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Rapid Network Level Survey with Automated Cracking Detection

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Rapid Network Level Survey with Automated Cracking Detection

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Rapid Network Level Survey with Automated Cracking Detection

Pavement data collection technologies have improved gradually in the last few decades. With the development of 3D laser imaging technology, the latest iteration of PaveVision3D Ultra can obtain true 1mm resolution 3D data at full-lane coverage in all three directions at highway speed up to 60MPH. This project provides rapid survey with automated cracking detection using PaveVision3D Ultra for a large portion of the National Highway System pavement network in Arkansas. In total about 1250 lane miles of pavements from 9 major roadways are covered. The collected 1mm 3D data provide AHTD with automated evaluation of pavement cracking, but also rutting, roughness, and pavement macro-texture Mean Profile Depth (MPD) data for safety analysis that are not included in the original project proposal. The 1mm 3D system allows highway agencies to access its options in using the new 3D technology for its design and management purposes, particularly to meet the data needs for Pavement ME Design and Highway Performance Monitoring System (HPMS).

To achieve a significant level of standardization for the production of consistent pavement condition data, this project applies the definitions in the two AASHTO protocols: *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* (Designation PP67-10) and *Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles* (Designation PP69-10) to evaluate their effectiveness as procedures to process and report cracking and deformation data. The AASHTO PP69-10 proposes procedures to derive new measures to characterize pavement surface deformation, including percent

deformation, water entrapment depth, rut depth etc. The transverse deformation attributes are calculated per PP69-10 requirements with 1mm 3D pavement surface data from more than 200km (125miles) of sampled pavement sections. The statistics of these new attributes are presented in the report. The relationships among the attributes and between traditional straightedge rut depth measurements are investigated.

Another objective of this project is to evaluate the quality of pavement surface cracking data derived based on AASHTO PP67-10 protocol using data collected from PaveVision3D Ultra system. Twenty 100-m segments are randomly selected from the network survey data sets. Per AASHTO 67-10 cracking data definitions and data requirements, manual cracking identification results are compared with the outputs from the automated system, and statistical analysis are performed. Precision and bias between results from manual survey and automated survey are analyzed.

The application of 3D 1mm laser imaging technology for network survey is unprecedented. Even though continuous improvements in software development are required to generate more robust results, this innovative technology opens opportunity to provide highway agencies with comprehensive pavement data that are consistent, accurate, and repeatable.

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AR100 East Bound

AR100 West Bound

I40E (To Conway)

I40W (To Ft. Smith)

US 65 N (To Pine Bluff)

US 65 S (From Pine Bluff)

US 65 S (To Conway)

US67N (From Little Rock)

US67N (To Benton)

US67S (To Little Rock)

US70E (To Benton)

US70E (To Memphis)

US412 East Bound

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CHAPTER 1 INTRODUCTION

1.1 Background

Accurate and timely information on pavement surface characteristics are critical for evaluating the performance, condition, and safety of pavement infrastructure. Both pavement design and pavement management rely on these and other information for comprehensive pavement evaluation. Data collection on pavement surfaces includes longitudinal profile for roughness, transverse profile for rutting (asphalt pavements), macro-texture for safety, and cracking and various surface defects for distresses. Pavement data collection technologies have improved gradually in the last few decades. Particularly after steady R&D investments in pavement profile measurements since the 1980's, roughness, rutting, and macro-texture data can be inexpensively obtained at acceptable accuracy levels. However, due to sensor and computing limitations, limited research funding, and inherent difficulties to meet stringent requirements of precision and bias, the hardware and software necessary to automatically obtain pavement cracking and other distress data have not been realized. In addition, roughness, rutting, and macro-texture data are traditionally obtained through separate instrumentation on a relatively small area within a pavement lane.

Pavement engineering as an area of study has suffered from inadequate and poor quality distress data. High quality pavement distress data for the next-generation pavement design system, Pavement ME Design (DARWin-ME), is critically needed to facilitate the calibration of prediction models, and further validation of relevant

mechanistic models. Further, many state highway agencies have been collecting pavement distress data, particularly cracking data, for years through manual, automated, or semi-automated means. However, it is believed that such data sets are of poor quality due to problems associated with consistency, repeatability, and accuracy of collected data and subsequent analyses. Despite the need to obtain pavement distress data for both management and design purposes, progress on delivering true automated survey technology for pavement distresses has been minimal.

In addition to being slow and unsafe when conducted in the field, manual survey results show wide variability (Morian et al., 2002). Therefore, automation technology for pavement survey has long been sought and tested for precision and bias (Wang 2000, 2005, and 2010; McGhee, 2004, Groeger et al., 2003; Huang, et al 2009). One product of the research team's 10-year effort is the Automated Distress Analyzer (ADA), which processes pavement images at 1-mm resolution for cracking information with full-lane coverage at highway speed and in real-time.

The current implementation of ADA is based on 1-mm 2D laser images of pavement surface, which poses challenges in terms of further improving its accuracy and consistency. Cracking, along with many other pavement surface defects, all have unique and distinctive characteristics in the 3rd dimension, which are lost in 2D images. Therefore, developing new technology that can capture realistic pavement surface characteristics in the digital domain at sufficiently high resolution, or actual surface models of pavements, is a necessary step. New algorithms and software can be subsequently developed on the surface models to produce consistent, repeatable, and accurate pavement survey data with adequate time and resources.

The research team at Oklahoma State University, previously with the University of Arkansas, is recognized internationally as a leader in the automated survey of pavement infrastructure. The team has conducted research and delivered solutions to the industry for over 15 years. Starting in the mid-1990's, the Arkansas State Highway and Transportation Department (AHTD), the US DOT University Transportation Centers (UTC) program, and the National Cooperative Highway Research Program (NCHRP) provided funding support to the research team on various technology developments on highway and pavement information systems and automated condition survey. In particular, the most significant development occurred in the last three years during which the team developed and implemented a 3D laser imaging sensor for pavement condition survey. With the latest PaveVision3D Ultra, the resolution of surface texture data in vertical direction is about 0.3 mm and in the longitudinal direction is approximately 1 mm at 60MPH data collection speed. With the high power line laser projection system and custom optic filters, DHDV can work at highway speed during daytime and nighttime and maintain image quality and consistency. Pavement surface data gathered at this speed and at 1mm resolution provide engineers advantages in both visualization and analysis, and this capability is not available anywhere else.

1.2 Proposal Tasks

In this project, pavements surface data are collected from both Interstate and National Highway Systems (NHS) within the State of Arkansas using the latest PaveVision3D Ultra system. In total, about 1250 lane miles of pavements from 9 major roadways are collected. Two-direction survey is performed for 4 roadways and one-

direction survey for the remaining 5 roadways. Major pavement distresses, surface roughness and textures are automatically analyzed and reported.

The objective of the research project is to apply an automated distress analysis technique for statewide surveys of pavement surface condition. In particular, as addressed in the project proposal, the following objectives are to be fulfilled in this project:

- Complete survey of Interstate and NHS in Arkansas has been conducted and results generated. Each distress and characteristic of the surveyed pavement section is provided with the detailed quantity, severity, and geographic coordinates.
- Two AASHTO protocols, the AASHTO Designation PP67-10 (2013a): *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* and the AASHTO Designation PP69-10 (2013b): *Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles* are evaluated using the collected data, respectively.
- Quality Assurance (QA) is performed for randomly selected sites of the surveyed pavement sections. Manual cracking identification results are compared with the output from the automated system.
- Evaluate the applicability of PaveVision3D data for other applications such as Pavement ME Design and Highway Performance Monitoring Systems (HPMS) data reporting.

- Provide software, training, and computing solution to AHTD for implementation.

1.3 Report Organization

Chapter 1 provides an introduction to automatic distress data collection systems and outlines the proposal tasks to be completed.

Chapter 2 overviews current 3D data collection techniques. In particular, the PaveVision3D Ultra system which is capable of collecting pavement surface data at 1mm resolution at highway speeds for various surface data analysis. PaveVision3D Ultra is used to collect and analyze data for this project.

Chapter 3 summaries the provisionally approved AASHTO Designation PP67-10 *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* (PP67-10 for short) for quantifying cracking distress at the network level and Designation PP69-10 *Standard Practice for Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles* (PP69-10 for short) for rutting characterization and cross slope measurements.

Chapter 4 performs a comprehensive evaluation of the rutting protocol PP69-10 using PaveVision3D Ultra data for pavement deformation characterization, and examines how to minimize the impact of missing or inaccurate of lane marking identification on deformation parameters.

Chapter 5 evaluates the cracking protocol PP67-10 using PaveVision3D Ultra data for automatic pavement cracking detection. Manual survey results from 20 sampled

pavement segments are compared to the automatic results from PaveVision3D Ultra, and comparison analyses conducted.

Chapter 6 presents the usage of PaveVision3D Ultra for in-production highway network survey in Arkansas. Pavement surface cracking are generated with automated distress analyzer (ADA) at an interval of 0.1 miles, one of the software tools equipped with PaveVision3D Ultra. Additional work on automated reporting of rutting, roughness, and pavement macro-texture in term of Mean Profile Depth (MPD) for each 0.1-mile section is also conducted, which is not included in the original proposal. The applicability of those data for other usages, such as Pavement ME Design and Highway Performance Monitoring Systems (HPMS) is also discussed.

Chapter 7 summarizes the work completed for this project.

CHAPTER 2 PAVEVISION3D ULTRA SYSTEM

2.1 3D Data Collection Techniques

3D surface features of pavements have been studied closely for years for various data analysis needs. However, true 3D surface measurements of pavements obtained for computer analysis at high resolution and at highway speed were difficult to obtain. Rather, 2D images have been used by pavement engineers to estimate pavement distress, with less than desirable results. Therefore it is critical to better understand the pavement surface in its original format, or a 3D representation.

There are several techniques to collect 3D surface data. A conventional method is based on the photogrammetric principle, widely used in highway engineering dating to the use of analog film. The NCHRP IDEA program funded the team to use photogrammetric principle to establish 3D pavement surfaces in the project "Automated Pavement Distress Survey through Stereovision" (Wang, 2004). The research produced good results. However, a limitation of this technique is the lighting requirement for the pavement surface. The illumination of a pavement surface to the required intensity level under direct sunlight is nearly impossible, which is required for photogrammetric image acquisition. Figure 2.1 illustrates the photogrammetric principle used in the NCHRP research and the resulting software to match a pair of 2D images with common points to generate a 3D surface model of pavement.

Another technique for 3D surface modeling is Light Detection And Ranging (LIDAR), which was initially used to geo-reference terrain features. In some literature LIDAR is referred to as laser altimetry. A LIDAR system shown in Figure 2.2(a) is

composed of a laser scanning system, global positioning system (GPS), and an inertial measuring unit (IMU) (NOAA, 2012). The laser scan data is collected using a scanning mirror that rotates transverse to the direction of flight or motion. LIDAR signal is not a point but rather is an area beam. The beam is very narrow, but it does get larger as it moves away from the source. Moreover, it also becomes distorted, taking on an ellipsoidal shape, as it travels along the scan (Burtch, 2002). Based on LIDAR principle, Figure 2.2(b) shows a rotating laser system for pavement survey developed in the 1990's by Phoenix Scientific (Herr, 2001 and 2009). Due to difficulties in making significant improvements to the resolution of the system, its usage has been limited.

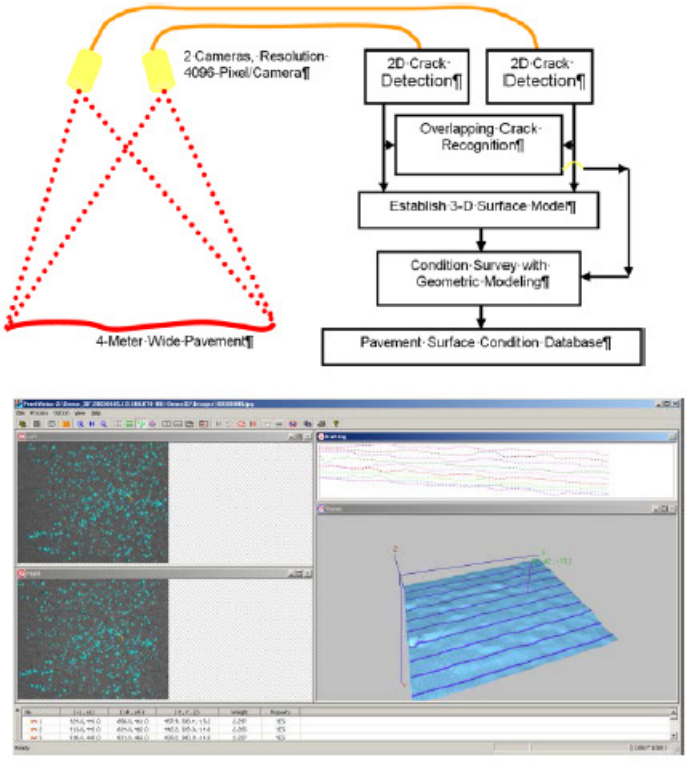
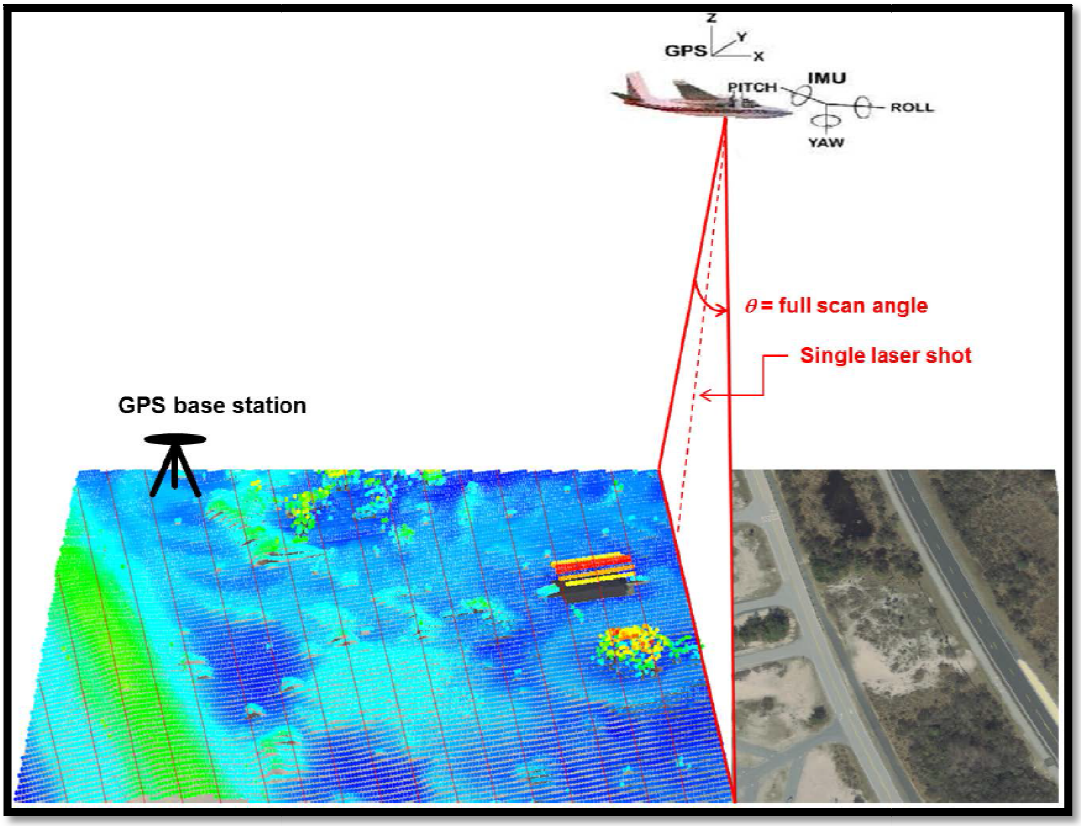


Figure 2.1 Stereovision for condition survey & 3-D reconstruction (Wang, 2004)



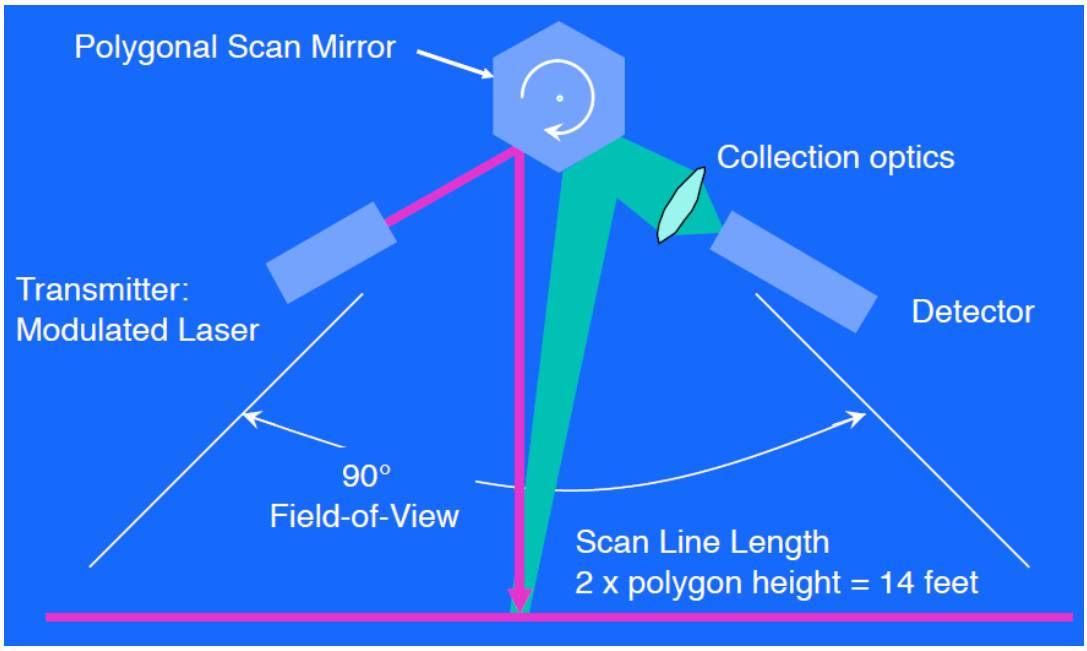


Figure 2.2 (a) LIDAR Principle (NOAA, 2012) (b) Rotating Laser System (Herr, 2001)

2.2 PaveVision3D Ultra System

2.2.1 Overview

Digital Highway Data Vehicle (DHDV), developed by the WayLink Systems Corporation with collaborations from the University of Arkansas and the Oklahoma State University, has evolved into the sophisticated system to conduct full lane data collection on roadways at highway speed up to 60mph (about 100 km/h). With the latest PaveVision3D Ultra (3D Ultra in short), the resolution of surface texture data in vertical direction is about 0.3 mm and in the longitudinal direction is approximately 1 mm at 60MPH data collection speed, which cannot be achieved with any other 3D systems in the market. The 3D line rate of the new PaveVision3D can be as high as 28,000 per second by using a highly proprietary design of using custom circuit boards and multiple high performance 3D cameras. Figure 2.3 shows the exterior appearance of the DHDV equipped with the 3D Ultra technology.



Figure 2.3 DHDV with PaveVision3D Ultra

2.2.2 *Hardware System*

With the high power line laser projection system and custom optic filters, DHDV can work at highway speed during daytime and nighttime and maintain image quality and consistency. 3D Ultra is the latest imaging sensor technology that is able to acquire both 2D and 3D laser imaging data from pavement surface through two separate left and right sensors. Each sensor in the rear of the vehicle consists of two lasers and five special-function cameras. For the two lasers, one is for providing 2D visual illumination and the other one is for providing the 3D data illumination. For the five cameras, four cameras are for capturing 3D laser illumination and the other one is for capturing 2D laser illumination. The camera and laser working principle is shown in Figure 2.4.

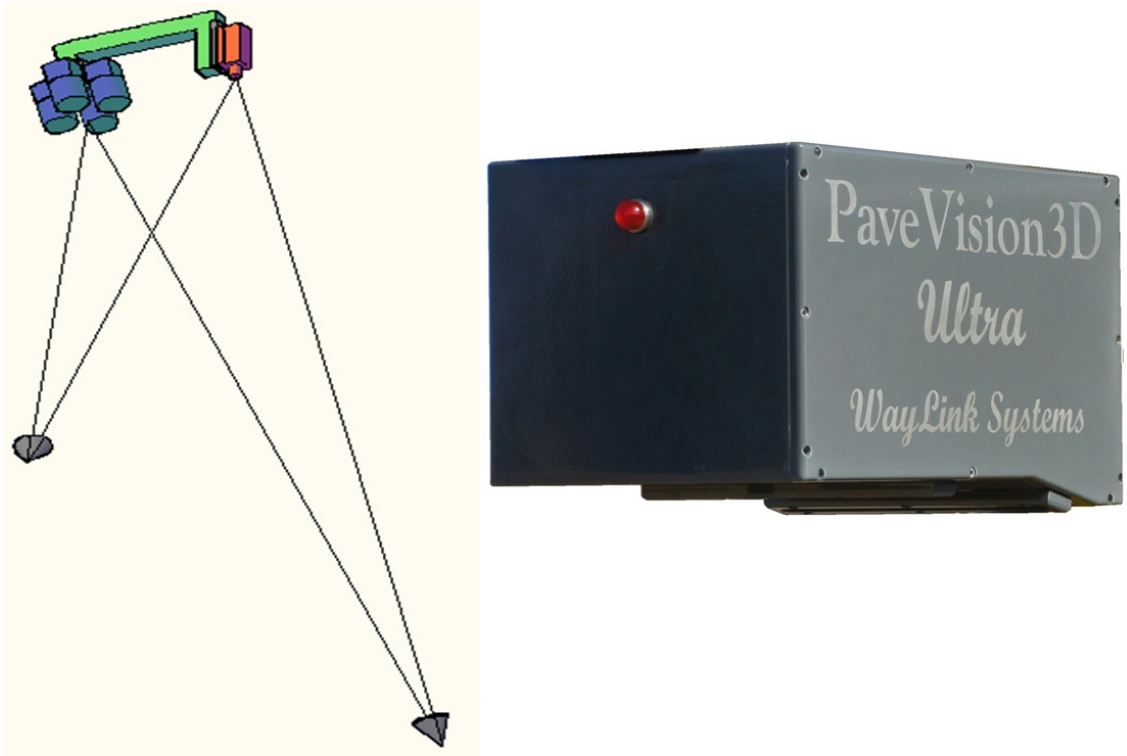


Figure 2.4 Laser Imaging Principle

In addition to the cameras, the positioning data collections (including precision gyro, high-frequency differential GPS receiver, Distance Measurement Instrument, and Inertial Measurement Unit (IMU)) are incorporated into the 3D Ultra to ensure high geographic accuracy.

2.2.3 Software System

The 3D Ultra system installs two key software applications, which are the 3D Automated Distress Analyzer (ADA3D) and the Multimedia based Highway Information System (MHIS).

ADA3D is the automatic cracking analyzing tool. By implanting the sophisticated algorithms, ADA3D is currently capable of conducting automated cracking, rutting, roughness, and texture analyses at 1 mm resolution at highway speed. ADA3D also allows users to perform semi-automated distress analysis. Different protocols are coded in ADA3D, whose operating interface is shown in Figure 2.5.

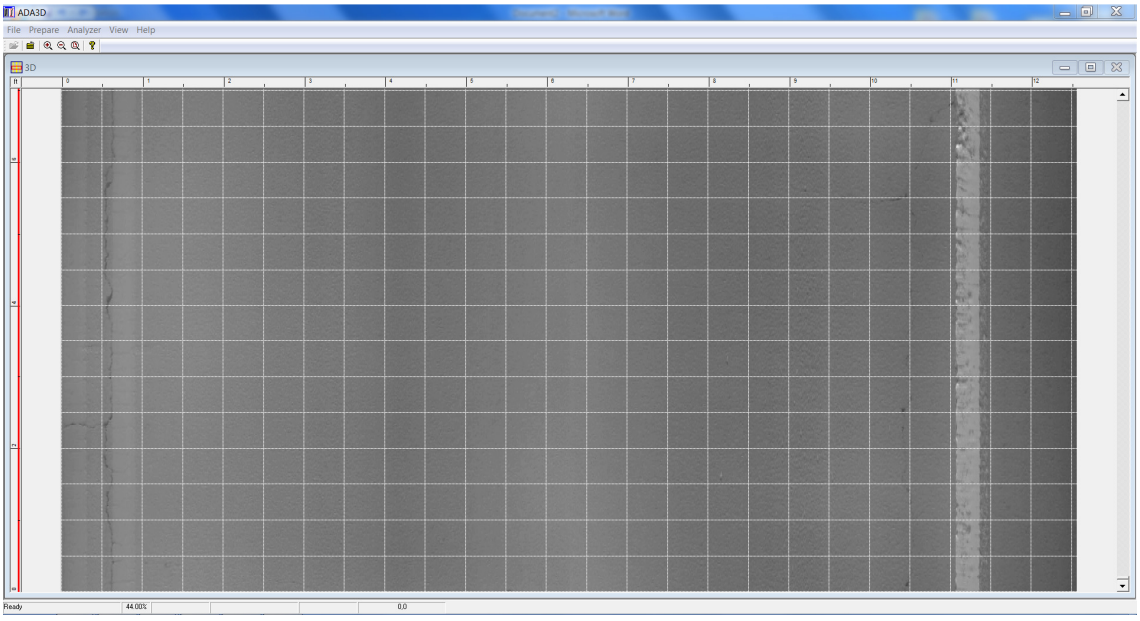


Figure 2.5 Operating Interface of ADA3D with 3D Range Data

MHIS-3D Deluxe is a comprehensive application interface to view the collected data sets collected and the automatic processed cracking data. It provides the user with a 2D and 3D graphical representation of all the data sets collected using 3D Ultra data collection vehicle. These data sets, which are accessed and organized by MHIS-3D Deluxe, include Pavement Vision 3D images (PaveVision3D subsystem), Right-of-Way images (PRIS-HD subsystem), DMI and GPS readings (PSA subsystem). MHIS-3D Deluxe provides a geo-referenced map to access multiple DHDV data collections for a certain region shown in Project Frame in Figure 2.6. The location of the data set displayed in the current window is visually shown in a Google Map. MHIS-3D Deluxe displays the distresses detected by ADA-2D and ADA-3D by default. The distress affected area can also be marked manually on the pavement images with provided manual rating tools. MHIS does not analyze the distress itself; instead, it is a tool to visualize and play the 3D, 2D, and Right of Way (ROW) images. The user's markings as input are processed and integrated into the DHDV database through MHIS-3D Deluxe. Distress indices, such as AASHTO protocol, World Bank's CI and UK SCANNER can also be produced in the MHIS.

Figure 2.6 shows the overall user interface of MHIS-3D Deluxe. Each sub-window in MHIS-3D Deluxe is an MHIS Frame. It is important to note that MHIS-3D Deluxe will only access databases collected using WayLink DHDV (V. 3.1 or above), and runs under Microsoft Windows 7.

An example of 3D pavement surface image from MHIS is illustrated in Figure 2.7.

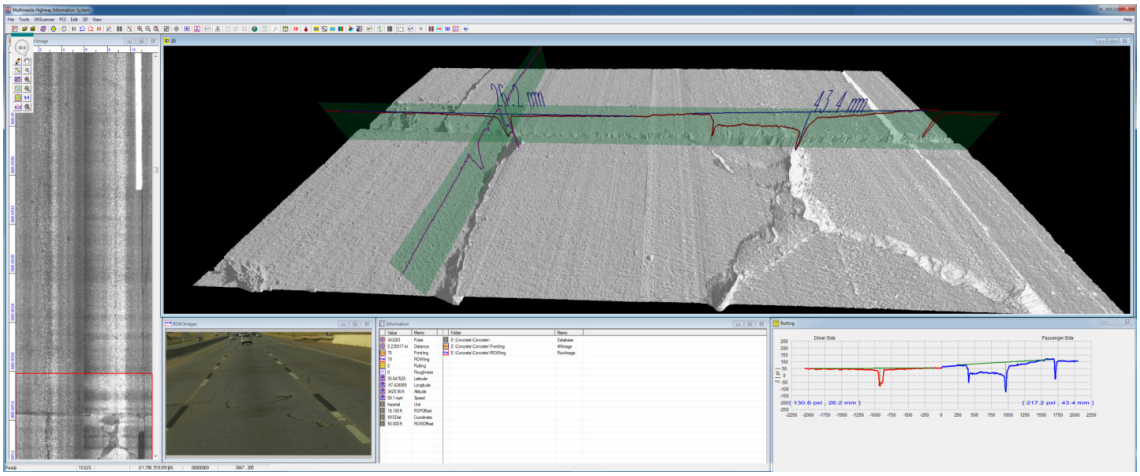


Figure 2.6 MHIS-3D Interface

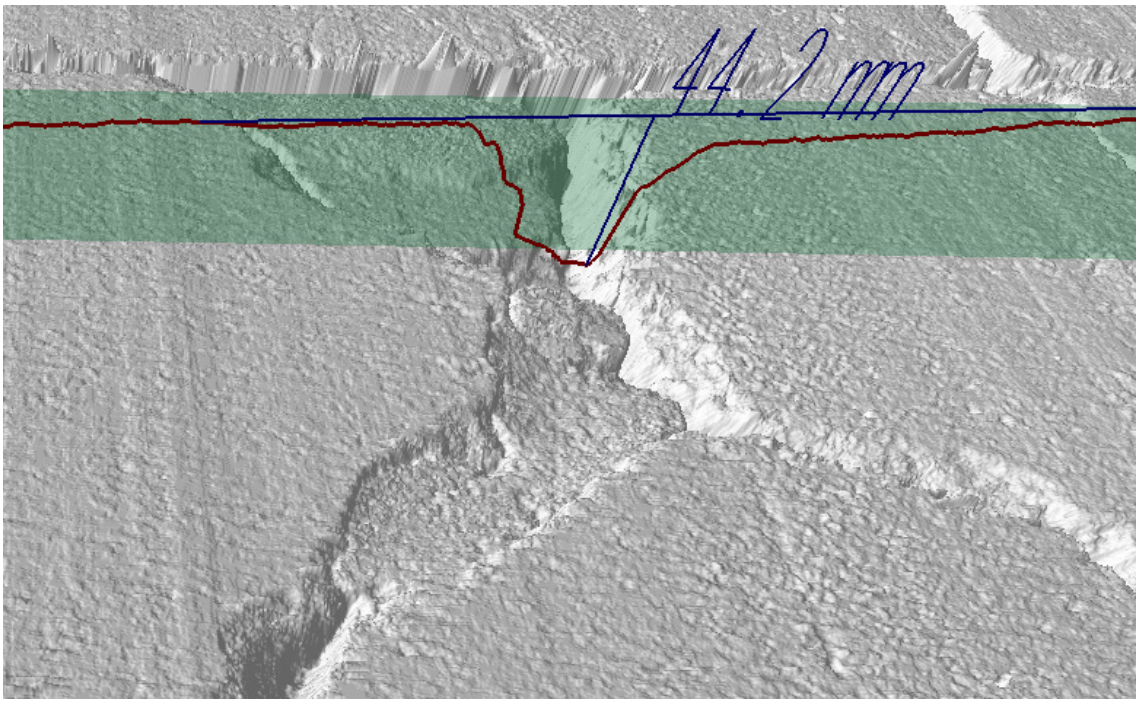


Figure 2.7 Example 3D Pavement Surface Image Collected at 60mph

2.2.4 3D Ultra System Calibration

To obtain high quality accurate data, the 3D Ultra system must be calibrated if it is running for the first time or the positions of one or more cameras are changed. 3D

height and flatness calibration, 3D sensor alignment, 2D and 3D offset adjustment should be performed in sequences before running the system.

The user's manual of the PaveVision3D Ultra system is attached in Appendix A.

2.3 PaveVision3D Ultra Data

3D Ultra system simultaneously takes 2D, 3D, and Right of Way (ROW) images. Both 2D and 3D images have 4,096 pixels transversely and 2,048 pixels longitudinally. Mathematically, each image is a matrix with 2,048 rows and 4,096 columns.

2.3.1 3D Data

For 3D images, the values of the elements in the matrix can be used to express two different types of information. The first type is the relative elevations or namely, heights of the pavement surface. Each value represents the height of a point on the surface. The values are pavement information in the vertical direction. Each pixel represents 0.3 mm. This information is used for roughness, texture, and rutting analysis.

Since the area of interest of the sensor is limited, when the DHDV travels on a rough surface, the vehicle bouncing may cause the reflected laser cannot reach the sensor ("out-of-range" issue). As a result, a blank point is recorded in the sensor and a “0” is produced accordingly in the output matrix as outliers. Therefore, outlier values are expected in the collected images and are eliminated in the preprocessing.

2.3.2 2D Data

2D images were the predominant approach to analyze cracking before the emerging of 3D technology. However, as the values of the elements in the 2D image

matrix only represent the intensity information of the pavement surface, it is not useful for pavement rutting and roughness analysis. However, it is useful for lane marking detection.

2.3.3 Right of Way Data

Right of Way (ROW) data are recorded by a video camera mounted at the front of the van, which may include the traveled lane, lane marking, and the shoulder, the guardrail, the median, the signage, the drainage systems, and landscapes within the right of way limit. The ROW data do not directly use for pavement distress analysis. However, it is an effective tool to rapidly and intuitively view the pavement section that is being inspected. An overall condition can be obtained from the ROW data. In addition, the configurations of the traveled lanes as well as other transportation assets such as signage can be obtained via the ROW data.

2.3.4 Data Structure

The PaveVision3D Ultra data for each pavement section are stored in one folder. Inside of each folder, the same data structures are used including the following files:

- Sub-file folder “3DData”: used for 3-D images storage;
- Sub-file folder “PvmtImg”: used for 2-D images storage;
- Sub-file folder “ROWImg”: used for 2-D Right-Of-Way images storage;
- Sub-file folder "Result": used for automated distress analyzing results;
- “Alignment.seq”: the alignment file used for camera alignment;
- “Calibration.cal": used for camera calibration; and

- "WisInfoIdx": the access database file which contains the data collection information. This database file will be used for the data viewing software MHIS.

2.4 PaveVision3D Ultra for AHTD Data Collection

According to the project proposal, the in-production network survey includes the entire Interstate Highways in Arkansas. However, because most of the interstates will be rehabilitated within two year, AHTD required the project team to collect equivalent mileage of roadway sections from the national highway system (NHS) in Arkansas. As a result, Arkansas State Highway 100 (both East and West Bounds), US Highway 412 East Bound from the border of Oklahoma to the junction of US Highway 65, US Highway 65, US Highway 67, US Highway 70, Interstate 40 (both directions from Oklahoma Border to Conway) are selected for the data collection with a total mileage of 1234.6 lane miles. If the roadway is divided, the data for both directions are collected. Otherwise if the roadway is undivided, only data in the increasing log mile direction are collected. US 65 North Bound from Louisiana Border to Pine Bluff and US 67 South Bound from Missouri Border to Little Rock are also collected in the log mile decreasing direction since divided medians are frequently observed.

Two data collection trips were made to acquire 1mm 3D data collected at highway speed using the PaveVision3D system, one at the beginning of March 2013 and the other one at the end of March 2013. As can be seen in Table 2.1, the section lengths calculated based on Google Map and PaveVision3D Ultra system are approximately identical, with only 4.1 miles difference out of 1234 miles of data collection.

Table 2.1 Summary of In-Production Network Survey

Route Name		From	To	Section Length (Miles)	
				Google	ADA3D
AR 100	AR100E	Junction with AR365	Junction with I430	6.9	6.8
	AR100W	Junction with I430	Junction with AR365	7.1	7
US412E		Oklahoma Border	Junction with US65	90	91.4
I40	I40W	Conway	Oklahoma Border	125	125.5
	I40E	Oklahoma Border	Conway	75	74.9
US65	US65S	Pine Bluff	Louisiana Border	104	103.6
	US65N *	Louisiana Border	Pine Bluff	77.9	77.9
	US65S	Missouri Border	Conway	78.8	78.6
US67	US67N	Little Rock	Missouri Border	181	180.9
	US67S *	Missouri Border	Little Rock	103	102.5
	US67N	Texas Border	Benton	125	124
US70	US70E	Little Rock	Tennessee Border	140	140.7
	US70E	Oklahoma Border	Little Rock	125	120.8
Total Mileage				1238.7	1234.6

The collected high resolution 3D data are utilized for various data analysis and evaluation, which are provided in the following Chapters.

CHAPTER 3 DRAFT AASHTO RUTTING AND CRACKING PROTOCOLS

3.1 Relevant Terminologies

Recently, AASHTO published the provisional approved AASHTO Designation PP67-10 (2013a) *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* (PP67-10 for short) for quantifying cracking distress at the network level and Designation PP69-10 (2013b) *Standard Practice for Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles* (PP69-10 for short) for rutting characterization and cross slope measurements. To develop cracking and deformation parameters from the collected pavement images and transverse profiles, basic and relevant terminologies are defined in the protocols.

- Lane: The pavement surface between inside edges of inside (left) and outside (right) lane markings. If the lane marking is absent, an equivalent portion of the surface is accounted.
- Centerline: The centerline is a fictive line located at the middle of the lane which is parallel to the lane markings.
- Wheel-path: There are two wheel-paths on each lane. A wheel-path is a longitudinal strip of the pavement 0.75 m (30 in.) wide. The inside (left) wheel-path is centered 0.875m (35 in.) from the centerline towards the adjacent lane (left) and outside wheel-path is centered 0.875m (35 in.) from the centerline towards the should (right).

Comprehensive definitions should directly refer to the AASHTO Protocol PP67-10 and PP69-10. The identification of the wheel-path is the foundation of data process using the protocols. The generation of many parameters is based on the location of wheel-path.

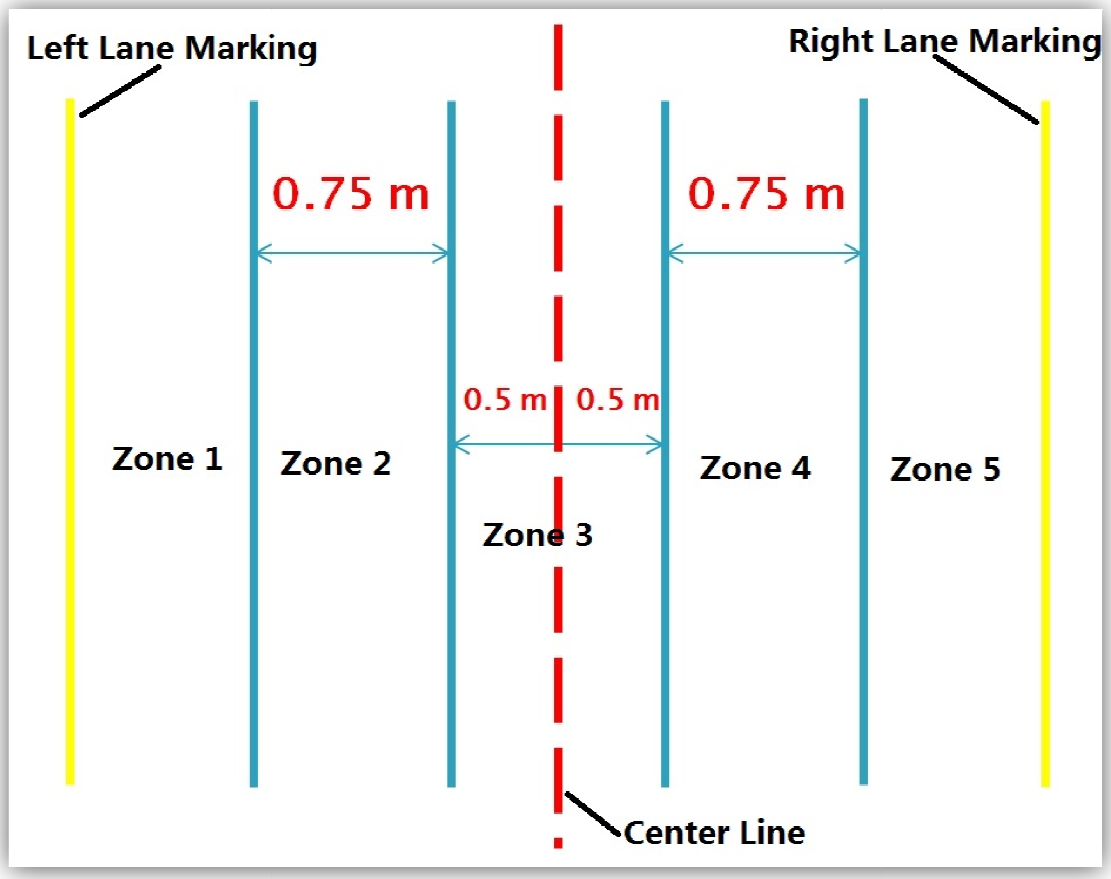


Figure 3.1 Wheelpath Definition in AASHTO PP67-10

3.2 Rutting Protocol PP69-10

To characterize pavement permanent deformation, three types of indicators are developed in PP69-10: surface deformation condition, rut related attributes and water entrapment condition.

These attributes are interconnected and mutually affected but with different emphases (Simpson, 2001a). The deformation percent can be treated as a preliminary indication of pavement deterioration (AASHTO, 2013b). Rut depth is one of the criteria determining pavement distress level and failure indicator of design in the next generation pavement design guide (ARA, Inc., 2004). Rut cross-sectional area is helpful in determining optimal techniques and estimating costs for maintenance (Bai et al., 2009). The pool of water in wheel-path may result in hydroplaning and spray and splash, which are latent safety hazards (Simpson, 2001b, Haas et al., 1994, Huang, 2001). In addition, staying water on the pavement surface would accelerate pavement damage.

Standardized procedures are specified in PP69-10 to derive the pavement deformation parameters. In brief, PP69-10 has the following important features:

- The transverse profile data must meet the requirement specified in the PP70-10.
- Multiple technical parameters can be extracted from a transverse profile.
- The quantification of all attributes is based on the predefined procedures. The entire process solely is feasible through computer programs. No human interventions are necessary.
- The position of the wheel-paths, which is determined by the lane location, is critical in this protocol as all rut related attributes are scanned based on the elevations of wheel-paths.
- Most of the issues and vague definitions exist in traditional rut measurement protocols such as wheel-path location, longitudinal reporting sample interval, and data consistency are explicitly addressed in PP69-10.

- Data collection protocol (PP70-10 *Collecting the Transverse Pavement Profile*) (AASHTO 2013c) and data analysis protocol (PP69-10) are developed separately. The 3D Ultra system specification exceeds the requirements in PP70-10 for transverse profile data collection.

  The draft AASHTO PP69-10 Protocol is attached in Appendix B.

3.3 Cracking Protocol PP67-10

The AASHTO Designation PP67-10 (AASHTO 2013a): *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* outlines the procedures for quantifying cracking distress at the network level. The image data for analysis should abide by the AASHTO Designation PP68-10 (AASHTO 2013d) *Collecting Images of Pavement Surfaces for Distress Detection*. PP67-10 protocol has the following features:

- The protocol is designed for fully automated survey. Minimal human intervention is needed in the data processing.
- Definition of cracking is addressed in detail.
- Two cracking properties are reported: the cracking length and the cracking width.
- Three cracking types are defined: the transverse cracking, the longitudinal cracking, and the pattern cracking. The classification of the cracking is based on the orientation of the cracking spanning.

- Five zones are generated for entire lane coverage. The total cracking length and average cracking width of each cracking type are reported for each zone.

PP67-10 is unique from other protocols in terms of its cracking types, measured quantities, and report format. Detailed discussions are given in the next section. Based on the lab and field test, the image data collected by 3D Ultra fully meet the data collection requirements in the PP68-10 (AASHTO 2013d): *Collecting Images of Pavement Surfaces for Distress Detection* and are suitable for conducting analysis according to PP67-10.

The draft AASHTO PP67-10 Protocol is attached in Appendix C.

CHAPTER 4 APPLICATION OF RUTTING PROTOCOL PP69-10

4.1 Implementation of Protocol PP69-10

4.1.1 The Five Spots

Five spots are used to determine rut related attributes. They are completely new concepts introduced in the new protocol. Each spot has two attributes, the elevation and the location. Spot 1 is located in the centerline of the pavements. Its elevation is the average elevation of data points in the center 75 mm (3 in.) of the pavement lane. Spot 2 and Spot 4 represent the elevations of inside (left) and outside (right) wheel-path, respectively. Their elevations are the average elevation of the lowest 10% data points in their respective wheel-paths. They locate at the midpoints of their respective selected points. Spot 3 and Spot 5 represent the inside (left) edge and outside (right) of the pavement lane. Their elevations are averaged from the data points within 100 mm (4 in.) from the pavement edges, respectively. They are located 50 mm (2 in.) from the edges of the lane, respectively. In the data collected by 3D Ultra at 1mm resolution, each mm corresponds to a data point, which makes the determination of the five spots straightforward. Within a pavement lane, the locations of Spot 1, Spot 3, and Spot 5 remain unchanged. By contrast, the locations Spot 2 and Spot 4 vary by the wheel-path elevations. Note that the elevations of the five spots are averaged from a series of points; they may not sit exactly on the transverse profile.

4.1.2 Data Preparation

Following the procedures specified in PP69-10 (AASHTO 2013b), the calculation algorithms of the deformation attributes are coded with C++ programming language and integrated into ADA3D. ADA3D is able to conduct transverse profiles analysis in semi-automated or fully automated manner.

4.1.2.1 Data Preprocess

To ensure accurate results can be produced with the given algorithms, all transverse profiles need to be preprocessed before analyzing. Since outlier values may pose significant impacts on the results, the first step is to remove the outliers in the collected transverse profiles. For example, outlier values can be the "0"s in the transverse profile array due to the loss of laser illumination. The positions of the "0"s are first detected and linear interpolation is applied to approximate the substituted values of these "0"s in the array. The linear interpolation for outlier removal is applied according to Equation 4.1. Figure 4.1a illustrates a profile with outliers and Figure 4.1b is the same profile after linear interpolation when the "0"s are substituted.

$$y(x) = y(x_0) + \frac{y(x_1) - y(x_0)}{x_1 - x_0}(x - x_0) \qquad (4.1)$$

Where x is the location or subscript of a "0",

$y(x)$ is the approximated value for a "0",

x_0 is the location of the predecessor of the first "0" in a series of "0"s,

x_1 is the location of the successor of the last "0" in a series of "0"s,

$y(x_0)$ and $y(x_1)$ are the elevation value of x_0 and x_1, respectively.

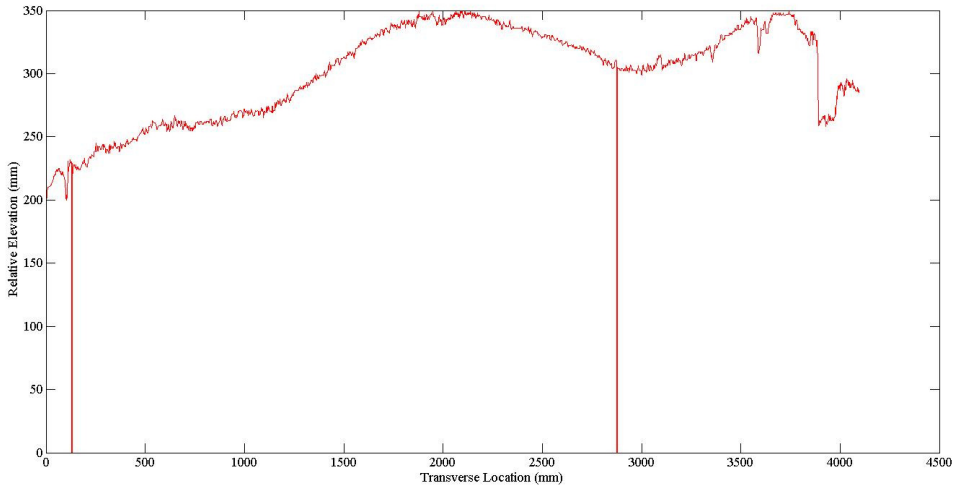
Due to the existing of pavement textures and other anomalies such as cracking and potholes, “noise points” under 1 mm resolution may be presented and should be filtered for rut characterization. As suggested by PP69-10 (AASHTO 2013b), the second step of data preprocess is to smooth the collected transverse profiles. By applying the symmetric Moving Average Filter (MAF) as shown in Equ 4.2, noise points can be suppressed. The greater size the filter is, the smoother profiles are obtained. For the calculation of rut and deformation related parameters, a 50 mm (2 in.) MAF is used; for water related analysis a 200 mm (8 in.) MAF is used. The same profile after applying 50 mm MAF and 200 mm MAF are shown in Figure 4.1c and Figure 4.1d, respectively. Note that the example profile as shown is wider than a lane; the data at both edges are not valid.

$$y'[i] = \frac{1}{m}\sum_{j=-(m-1)/2}^{(m-1)/2} y[i+j] \qquad (4.2)$$

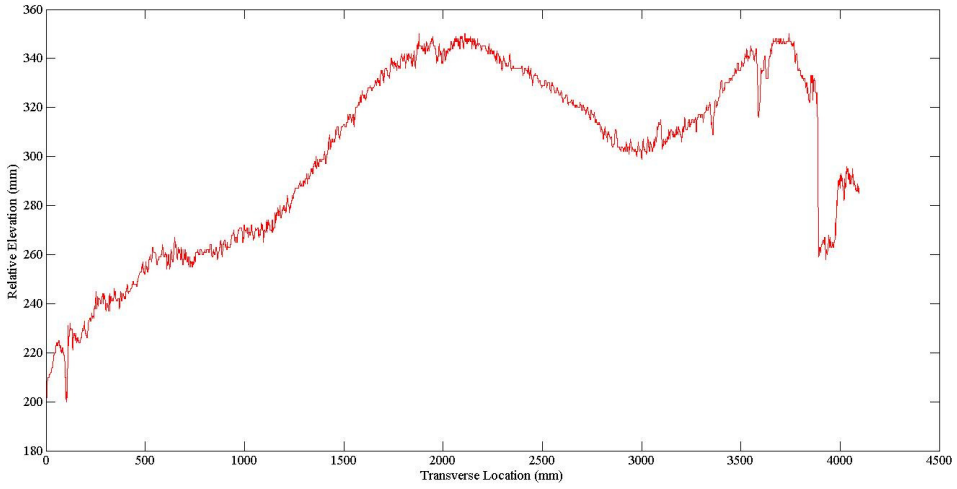
where $y[\,]$ is the input profile;

$y'[\,]$ is the output profile from the filter;

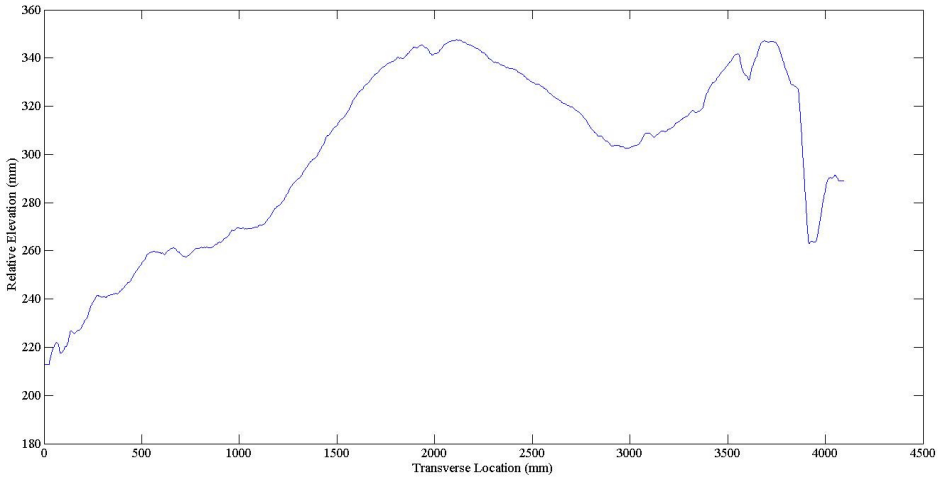
m is the size of the filter.



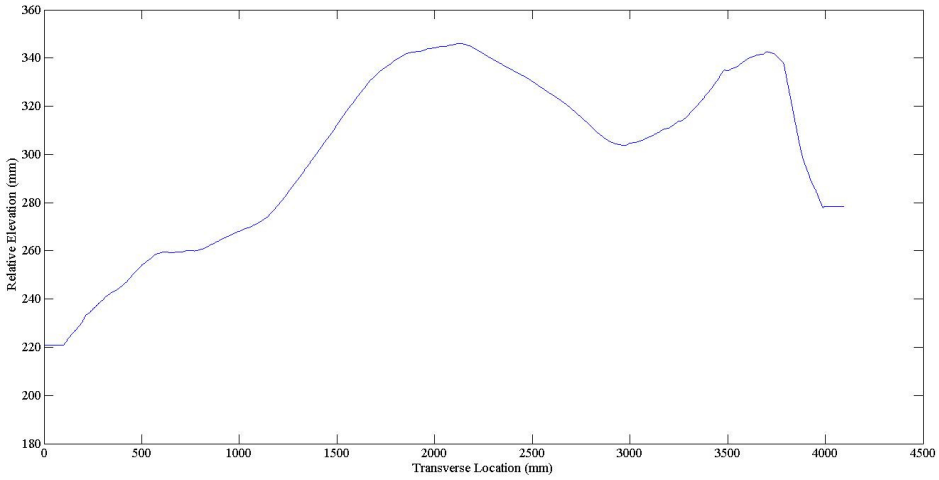
(a) An Example of Transverse Profile with Outlier Values



(b) An Example of Transverse Profile with Outlier Values Removed



(c) An Example of Transverse Profile with applying 50 mm MAF



(d) An Example of Transverse Profile with applying 200 mm MAF

Figure 4.1 Examples of the Preprocess of Transverse Profiles

4.1.2.2 Identification of Lane Marking Position

As required in the protocol, the collected transverse profile must have a wider transverse coverage than the actual traveled lane. Because of vehicle wandering, the proportion of lane in the collected profile may change from time to time. However, the

extraction of all rut attributes must be within the lane limit in PP69-10. Therefore, an indispensable step before performing data analysis is to extract the lane marking locations.

In real-time data processing, the 3D range data is first matched with the 2D intensity image and then utilized to locate the exact lane location for 3D height matrix. Lane location can be determined by two parameters: Left Margin (LM) and Right Margin (RM), which are the distances from left and right edge of the image to their nearest inner lane marking or actual pavement edges, respectively (Figure 4.2). These two parameters are essential inputs in ADA3D for the calculation of rutting related parameters. After identifying LM and RM, the subscripts of lane and wheel-path coordination are accordingly acquired for transverse profiles in the 3D height image (Figure 4.3). This lane identification can be conducted automated with embedded image recognition technique or semi-automated technique with intervention from engineers. This is the only procedure that may involve human intervention. In this research, if the extraction of LM and RM is performed with human intervention, the transverse profile analysis is defined as semi-automated. On the other hand, if the lane identification is automated conducted, the entire analysis is a fully automated process.

To assure sufficient accuracy, the LM and RM are semi-manually measured with the assistance of ADA3D for all collected images in this study. For those images without lane marking on the left side (gaps between broken markings), the lane width from adjacent images is used to approximate the LM. For those pavements without right lane markings, shoulder edge is taken as right limit.

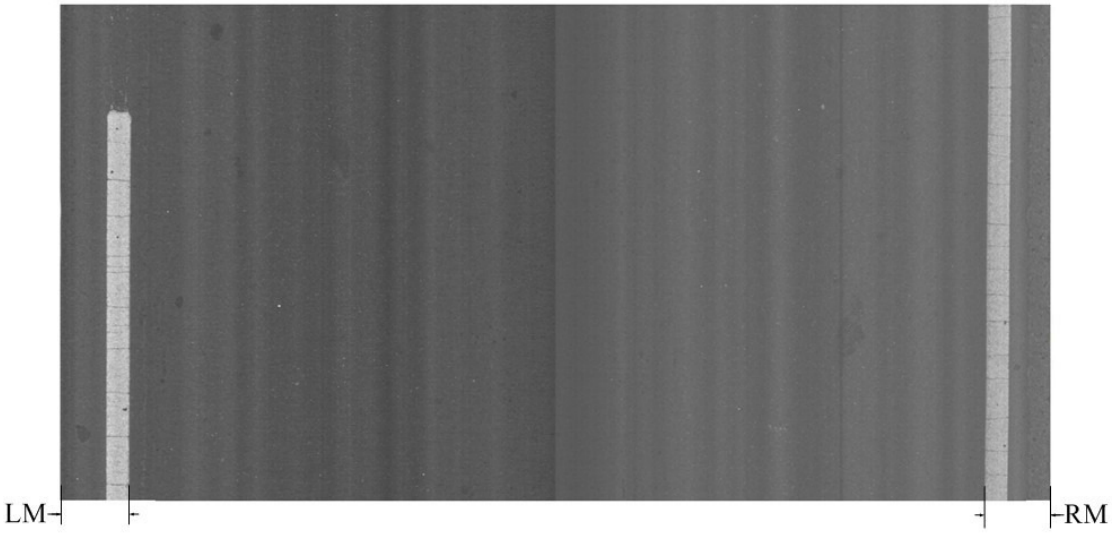


Figure 4.2 The acquisition of Left Margin (LM) and Right Margin (RM)

4.1.3 Rutting Parameters Calculation

In this section, the derivation of all technical parameters according to PP69-10 is outlined. The process is performed on an example transverse profile in which the locations of LM and RM are at 297 mm and 270 mm, respectively (Figure 4.2). The width of the lane is 3,529 mm. The aforementioned preprocessing procedures are enforced before the profile is used for rutting parameters calculation.

4.1.3.1 Cross Slope and Percent Deformation

The derivation of cross slope (CS) and percent deformation is illustrated in Figure 4.3 and Equation 4.3 to Equation 4.6.

The calculation of the percent cross slope (CS) involves two steps (Equation 4.3). First, the average elevation of each half lane which is separated by the centerline is calculated. The difference of these two values is divided by half of the lane width multiplied by 100. Note that PP69-10 does not specify which half lane average

elevation should be subtracted from the other. In this study, to be consistent with other protocols, subtracting the right side (profile CB) from the left side (profile AC) is assumed. In other words, if the cross slope is greater than zero (positive), the average elevation of the left half lane is higher than that of the right half lane, and vice versa. The CS of this example profile is -0.74.

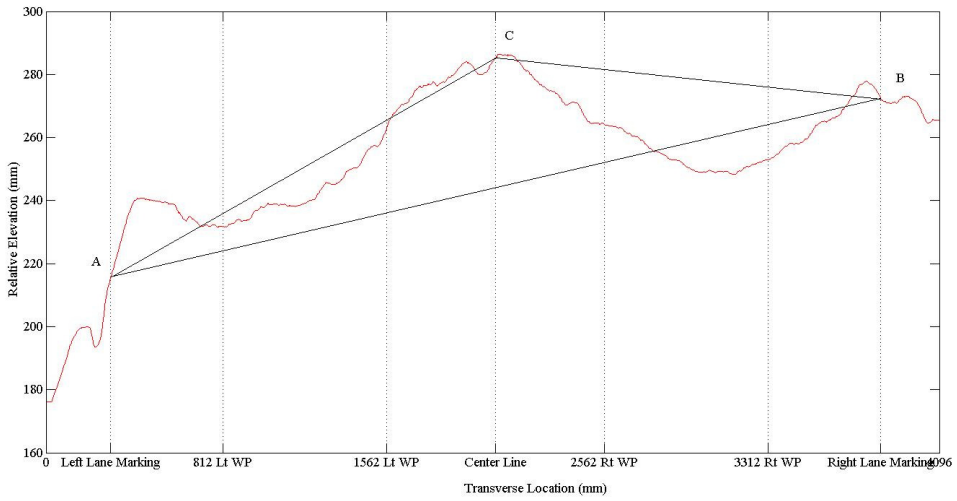


Figure 4.3 Illustration of Derivation of Cross Slope and Percent Deformation

$$Cross\ Slope\ (CS) = (Mean\ Elev.of\ Profile\ AC - Mean\ Elev.\ of\ Profile\ BC) * 100/(2 * Lane\ Width) \quad (4.3)$$

$$Total\ Percent\ Deformation\ (TDF) = (Profile\ Length\ of\ AB - Straightline\ Length\ of\ AB)/ Straightline\ Length\ of\ AB * 100 \quad (4.4)$$

$$Left\ Percent\ Deformation\ (LDF) = (Profile\ Length\ of\ AC - Straightline\ Length\ of\ AC)/ Straightline\ Length\ of\ AC * 100 \quad (4.5)$$

$$Right\ Percent\ Deformation\ (RDF) =$$

$$(Profile\ Length\ of\ BC - Straightline\ Length\ of\ BC)/$$

$$Straightline\ Length\ of\ BC * 100 \quad (4.6)$$

The calculation of the percent deformation defined in PP69-10 (Equation 4.4) consists of four steps. First, the pavement profile length between the two edge points is computed. The profile length is approximated by summing the section length between each two adjacent points. Second, the straight-line distance of the pavement is measured. Third, the straight-line length is subtracted from the profile length. After dividing the result by the straight-line length and multiplying by 100, the percent deformation is obtained. For this research, two more parameters: left percent deformation (LDF) and right percent deformation (RDF), which are used latter in the report, follow similar computational processes (Equation 4.5 and 4.6). The TDF, LDF, and RDF in this example profile are 0.358, 0.411, and 0.252, respectively.

As the values of deformation are too small to distinguish in percent unit, Total Deformation Per millage (TDP), Left Deformation Per millage (LDP), and Right Deformation Per millage (RDP) are proposed in the project to substitute TDF, LDF, and RDF, respectively. With the unit of deformation per millage, the deformation parameters are more distinguishable with two decimals. Thus, the TDP, LDP, and RDP in this example profile are 3.58, 4.11, and 2.52, respectively.

4.1.3.2 Rut Related Attributes

Being different from the traditional rut depth and width quantification methodology, a completely new approach is proposed in PP69-10 (AASHTO 2013b) to extract rut related parameters. Two types of rut based on their location of occurrence are

defined. The first one is the normal rut, which occurs in the wheel-path. The second one is center depression, which occurs between the two wheel-paths. In this study, the emphasis of the discussion is on normal rut attributes since the center depression is rarely observed based on a large numbers of data observations.

Two attributes of rut are introduced in PP69-10 (AASHTO 2013b), the rut depth and rut cross-sectional area. The calculation formula for rut depth, rut width, and rut area are given in Equation 4.7-4.12.

$$Left\ Rut\ Depth\ (LRD) = Absolute\ Value\ of\ Spot\ 2 \quad (4.7)$$

$$Right\ Rut\ Depth\ (LRD) = Absolute\ Value\ of\ Spot\ 4 \quad (4.8)$$

$$Left\ Rut\ Width\ (LRW) = Length\ of\ Straightline\ AB \quad (4.9)$$

$$Left\ Rut\ Width\ (LRW) = Length\ of\ Straightline\ CD \quad (4.10)$$

$$Left\ Rut\ Area\ (LRA) = Area\ between\ Straightline\ AB\ and\ Profile\ AB \quad (4.11)$$

$$Right\ Rut\ Area\ (RRA) = Area\ between\ Straightline\ CD\ and\ Profile\ CD \quad (4.12)$$

The Five Spots are used to determine the rut depth. First, the original profile (Figure 4.3) is counterclockwise rotated a cross slope to reach a leveled profile (Top/Blue profile in Figure 4.4). In this leveled profile, the Spot 1 is set to 0. Then, the profile is rotated about Spot 1 until Spot 3 reaches 0. The left half of this rotated profile (Black profile in Figure 4.4) is used to characterize left rut information. At this time, the absolute value of Spot 2 is the rut depth for the left wheel-path (LRD). Based on the profile where Spot 3 is 0, the profile is further rotated about Spot 3 until Spot 5 reaches 0. The right half of this new profile (Green profile in Figure 4.4) is used for right rut characterization. At this time, the absolute value of Spot 4 is the rut depth for the right wheel-path (RRD). In this example profile, the LRD and RRD are 11.92 mm and 30.94 mm, respectively.

The black and green profile is also used for left and right rut area calculation, respectively. Scanning from the location of Spot 2 and Spot 4, when three values equal to or greater than 0 are reached, the first encountered point of the three is identified as a rut edge. For each occurrence of rut depth, there are two rut edges (A and B for left rut and C and D for right rut in Figure 4.4). This scanning is applied to both sides of the Spot 2 and Spot 4. The area between the straight-line connecting two rut edges and the profile is defined as the rut cross-sectional area. In calculation, the area is approximated using basic integral calculus methods. In this example, the Left Rut Cross-Sectional Area (LRA) and Right Rut Cross-Sectional Area (RRA) are 11,317.44 mm^2 and 30,245.65 mm^2, respectively.

In addition to the specified rut depth and rut cross-sectional area, another attribute of practical significance, the rut width, is further obtained based on the definition of rut depth and rut cross-sectional area in this research. As shown in Figure 4.4, the rut width defined in this research is the length of straight-line that connects two rut edges. The rut width is calculated on the rotated profiles (Black and Green profile in Figure 4.4) which are used to determine the rut area. In this example, the Left Rut Width (LRW) and Right Rut Width (RRW) are 1045.96 mm and 1,552.47 mm, respectively.

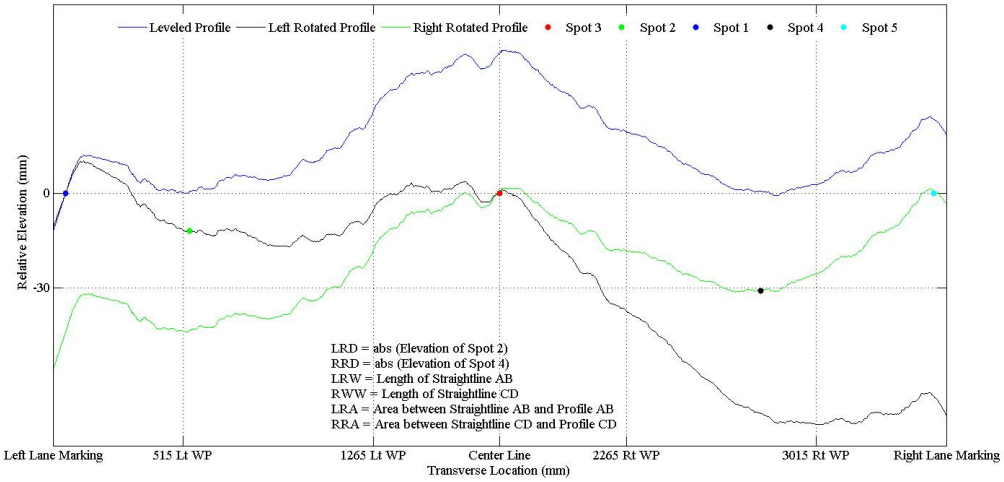


Figure 4.4 Illustration of Derivation of Rut Related Parameters

Theoretically, if there is rut on the pavement, Spot 2 and Spot 4 should be negative as they have the lowest average elevations. However, in practice, when there is no rut or the rut shape is abnormal, it is possible that the value of Spot 2 and Spot 4 are positive instead of negative. In that case, the rut depth is set to 0 when the Spot 2 or Spot 4 has positive values. In addition, when the rut depth is 0, the rut area and rut width are correspond set to 0.

4.1.3.3 Water Entrapment Attributes

Water entrapment attributes are identified by applying a scanning procedure defined in PP69-10. All profiles for water entrapment analysis should be smoothed by applying 200 mm (8 in.) moving average filter (MAF) unto the original denoised profiles. The basic mechanism is to scanning from one end of the filtered profile for a pair of points, a lowest point and a near lip point from this lowest point. According to PP69-10 (AASHTO 2013b), a lowest point in the scanning is a point with *filtered*

elevation not equal to or at lower elevation than any previous point plus 2 mm (0.08 in.). Based on this acquired lowest point, the scanning continues until meeting with three sequential points which are lower than their predecessors. The highest point of these three points is the lip point associated with the lowest point. Every time when such a pair of points is identified, a water entrapment point is identified and recorded. The scanning should be proceeded until the other side of the profile is reached. All water entrapment points and their properties are reported.

Per PP69-10 (AASHTO 2013b), the beginning point of the scanning is determined by the cross slope of the profile. The scanning starts from left to right (from Spot 3 toward Spot 5) when the cross slope is positive and zero. For negative slopes, the scanning is inversely conducted (from Spot 5 toward Spot 3). Note that the definition of the cross slope here is not congruent with the previously calculated cross slope according to PP69-10. The elevations of Spot 3 and Spot 5 are used to determine the properties of the cross slope. If the Spot 3 elevation is greater than Spot 5, the slope is defined a positive and vice versa. When the Spot 3 elevation equals to Spot 5, the slope is zero.

In practice, a profile may present none water entrapment point or multiple water entrapment points. PP69-10 (AASHTO 2013b) defines the water entrapment depth as the elevation difference between a lip and a lowest point. In this project, three water entrapment attributes are investigated: Total Water Entrapment Depth (TWD), Total Water Entrapment Width (TWW), and Total Number of Water Entrapment Points (TNW). TWD is the sum of the water entrapment depth of all found water entrapment points. A water entrapment width is the absolute value of the location difference

between a lowest point and its corresponding lip point. TWW is the sum of the water entrapment width of all found water entrapment. These attributes are illustrated in Figure 4.5. In this example, there are 2 water entrapment points. Their depths are 7.86 mm and 35.33 mm, from left to right, respectively. Their widths are 296.72 mm and 933.68 mm, from left to right, respectively. Therefore, the TWD, TWW, TNW of this profile are 43.19 mm, 1,230.41 mm, and 2, respectively.

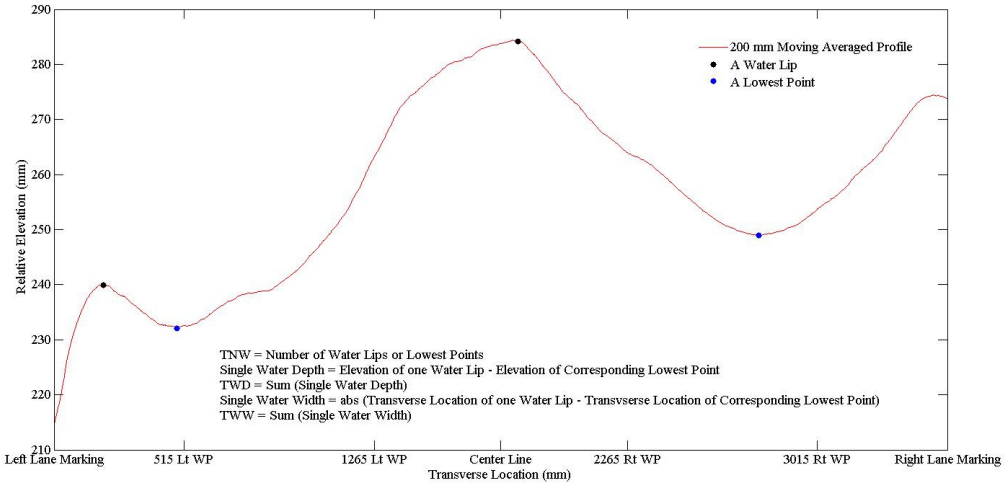


Figure 4.5 Illustration of Derivation of Water Related Parameters

4.1.4 Summary

The attributes proposed in PP69-10 are calculated on the data collected in Arkansas. The implementation of attributes extraction maximally abides by PP69-10. However, some attributes and procedures are slightly modified from PP69-10 for ease of automatic implementation. In addition to the 7 parameters defined in PP69-10, 6 extra attributes are proposed in this study based on the definition of attributes in PP69-

10. The total 13 attributes and their acronyms are listed in Table 4.1. The attributes with "*" are newly proposed in this research.

Table 4.1 List of Derived Parameters from PP69-10

No.	Attribute	Acronym
1	Total Deformation Permillage	TDP
2	Left Deformation Permillage*	LDP
3	Right Deformation Permillage*	RDP
4	Left Rut Depth (mm)	LRD
5	Right Rut Depth (mm)	RRD
6	Left Rut Width (mm)*	LRW
7	Right Rut Width (mm)*	RRW
8	Left Rut Cross-Sectional Area (square mm)	LRA
9	Right Rut Cross-Sectional Area (square mm)	RRA
10	Total Number of Water Entrapment Points*	TNW
11	Total Water Entrapment Depth (mm)	TWD
12	Total Water Entrapment Width (mm)*	TWW
13	Cross Slope	CS

4.2 Evaluation of PP69-10

4.2.1 General

PP69-10 (AASHTO 2013b) defines multiple technical parameters to characterize the permanent deformation, which is significant to practitioners and researchers. Procedures to derive these technical parameters are explicitly addressed in the standard, which make the computerized process consistent, feasible, and convenient. As is mentioned in PP69-10 (AASHTO 2013b), if these procedures are adopted by agencies with data collected from adequate devices, a uniform data report can be produced. In general, the objective "balance between extreme calculation complexity and resultant accuracy" is reached.

To further test the applicability, feasibility, and reliability of PP69-10, bulks of transverse profiles are analyzed both semi-automated and fully automated methods.

4.2.2 Preliminary Evaluation

Unusual values are observed for some measures. Practically, permanent deformation cannot grow infinitely and attributes such as rut depths and water entrapment depths should be within reasonable ranges. Unusually large values are observed in the deformation per millage attribute.

4.2.2.1 Identifying Abnormal Values

To identify the reasonable range, the calculation of deformation per millage is simply modeled as shown in Figure 4.6. It is recognized that only considering the pavement surface depression is not an ideal model. However, the regular heave and other impact due to permanent deformation should be small with compare to rut depth and width. This model is adequate to observe the range of the deformation per millage by adjusting the rut depth and rut width.

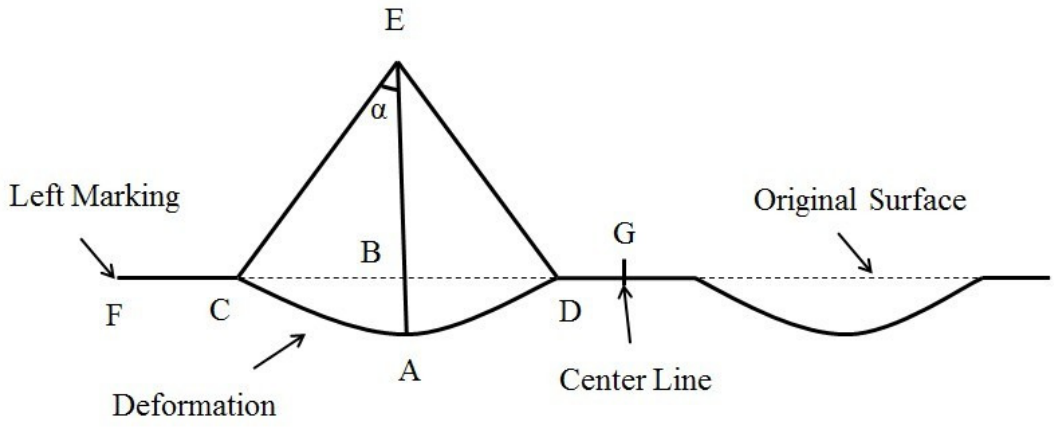


Figure 4.6 Model for Observing Deformation Outliers

In this model, the profile length is the sum of length of FC, arc length of CD, and length DG. The straight-line length of FG represents a half lane width. Length of AB is the rut depth and straight-line length of CD is the rut width. E is assumed the center of the circle to which arc CAD belongs and therefore CE, AE, and DE are assumed the radius of the circle and EBA is perpendicular to CBD. The depression is assumed symmetric on both wheel-paths so that the TDP, LDP, and RDP have the same value. Given the rut width and depth, the arc length of CD is obtained. Based on this model, the deformation can be expressed with a function of rut width, rut depth, and lane width, as shown in Equation 4.13:

$$DP = \left(\frac{\pi\alpha w}{90\,(\tan\alpha)} + \frac{\alpha\pi d}{45} - 2w\right)\frac{1000}{l} \qquad (4.13)$$

Where $\alpha = 180 - 2\tan^{-1}\frac{w}{2d}$;

DP is the deformation per millage;

w is the rut width on a wheel-path;

d is the rut depth on a wheel-path;

l is the full lane width ($l \geq 2w$).

Different combinations of one sided rut depth and rut width values are substituted into Equation 4.13 to test the range of the deformation per millage. To be conservative, all of the tested scenarios assume significant amount of rut depth. The results are shown in Table 4.2.

Table 4.2 Deformation Per millage Based on Rut Depth and Width

Lane width (l, mm)	Rut depth (d, mm)	Rut width (w, mm)	Deformation Permillage
3600	100	1500	9.86
3600	80	1500	6.47
3600	80	1300	7.28
3500	100	1500	10.14
3500	80	1500	6.65
3500	80	1300	7.49
3400	100	1500	10.44
3400	80	1500	6.84
3400	80	1300	7.71

The maximum deformation per millage is 10.44 when the rut depth is 100 mm with the associated 1,500 rut width on a 3,400 m wide lane, which is not common in actual pavement. More testing is performed in other scenarios with heavy rut and different combinations of rut width and pavement width; the deformation per millage ranges from 6.47 to 10.14. It is therefore assumed that any deformation per millage with a value greater than 10 is defined as an abnormal value. If an abnormal value is seen in the attributes, the profile is subject to further investigation.

4.2.2.2 Sources of Abnormal Values

Based on the observation from bulks of data processing, three possible situations are prone to produce abnormal attributes:

- Wrong measurement of lane position. When the lane positioning is semi-automated conducted, the range of the attribute values generally appears to be reasonable and realistic. These unusual values are always observed in the results

from fully automated data analysis. It is found that errors in lane positioning can contribute to generation of outliers. As can be seen in Figure 3.9, if the right side is included in the lane, the RDP and TDP can be unusually high. This is apparent in the narrow pavements where no shoulder exists.

- Fail to remove outlier values from raw transverse profiles. Take the Figure 3.9a as an example, the deformation per millage would be dramatically high with the existing of outlier values in the transverse profile. In very rare occasions, system errors could cause the undetected outlier values in the raw profile that affect the final results. As long as the outliers are correctly removed, the data ranges are reasonable.
- Dramatic deformation on pavement surface. It is also a possibility that the profile per se is significantly distorted so that a high deformation per millage is produced. In this case, human intervention is beneficial to examine the deterioration of the pavement.

In a network survey, generally, isolated abnormal deformation values are mostly triggered by the first and second causes. If consecutive abnormal values are observed, the possible reason may be due to the third source. Also, when center depression is shown, alert should be given for a further examination.

4.2.3 Advantages

The new protocol PP69-10 (AASHTO 2013b) is tested with bulks of data with semi-automated and automated process. In summary, the advantages of this provisional protocol are:

First, the physical significance of all attributes defined in the protocol is realistic and practical. Each parameter represents one aspect of pavement deformation characteristics. With these attributes, agencies and pavement engineers can analyze different characteristics of permanent deformation.

Second, the procedures defined in the protocol are explicitly outlined for computerized calculation. With minimum human intervention, the repeatability of parameter derivation is assured.

Third, based on a large-scale test of transverse profiles, attributes derived from PP69-10 are consistent and reasonable. The defined algorithms in the protocol are able to capture most of the characteristics of the attributes.

4.2.4 Potential Improvements

Meanwhile, several issues are found that may affect the rigorous application of this protocol (AASHTO 2013b):

First, there are two cross slope definitions involved in this standard. One is the cross slope of the profile, which is defined in Section 6.4 and is used to level the profile in Section 6.7. The other one is the cross slope for water entrapment depth calculation, which is defined in Section 6.9. These two definitions are inconsistent against each other. The former definition calculates cross slope from average elevations; however, the latter one is based on the elevation of two edge points (Spot 5 and Spot 3). Furthermore, the concept of positive and negative cross slope is defined in Section 6.9, but not for the former one. This inconsistency may result in confusions.

Second, in the definition of rut in Section 6.7, the absolute value of Spot 2 and Spot 4 are taken as left and right rut depth, respectively. However, several cases are encountered that the elevation of Spot 2 or Spot 4 is positive, which physically means there is no rut depth. In this case, taking the absolute value would overestimate the rut depth. It is suggested that taking the absolute value only if Spot 2 or Spot 4 have non-positive values . Otherwise the rut depth should set to zero. This recommendation also applies to center depression.

Third, by applying the scanning method in Section 6.8, a small positive value of the rut area may be obtained when the rut depth is zero. It is suggested that when there is no rut depth, the rut cross-sectional area directly goes to zero.

Fourth, it is noticed that PP69-10 may underestimate the rut depth. The reason is that the elevation Spot 2 and Spot 4 are obtained on the original profile before rotations are performed, as can be seen in Figure 4.4. Because of the cross slope, the lowest 10 percent points in the wheel-path of the original profile (Figure 4.3) might not correspond to the 10 percent deepest deformation points in the wheel-path of the analyzed profile (Black and Green profile in Figure 4.4). This underestimation can be avoided by acquiring Spot 2 and Spot 4 on the rotated profiles (Black and Green profile in Figure 4.4). However, it is found that underestimation of rut depth due to this definition may not be significant. The rut area and rut widths are not affected.

Last but not least, the specific quality assurance requirement or tolerance for errors for the attributes should be included in the protocol so that data quality and consistency can be checked.

4.3 Comparison of Rut Depth Measurements

4.3.1 General

Since the beginning of the rut measurement in AASHO road test, rut depth is the widely used and one of the most important indicators for pavement permanent deformation (1). The straightedge and stringline methods are the traditionally used approaches to derive rut depth from transverse profiles. In PP69-10 (AASHTO 2013b), the rut depth is the only indicator that is comparable to the traditional rut depth measure. However, the rut depth calculation in PP69-10 is fundamentally different from the traditional method. Facing the new measures, the following questions may be asked: what is the relation between the traditional rut depths and the PP69-10 rut depths? Are the values close to or distinct from each other? Is it feasible to covert the traditional rut depths to the new PP69-10 rut depths or vice versa?

Commonly used traditional methodologies for rut depth calculation include the 1.2 m (4 ft) straightedge, 1.8 m (6 ft) straightedge, and the 3.7 m (12 ft) stringline. Simpson compared the difference of the three measures based on a large sample of LTPP data. It was found that 1.2 m straightedge is inaccurate and is discarded in later analysis. Rut depths from 1.8 m straightedge and 3.7 m stringline are highly correlated with correlation coefficients 0.9639 and 0.9555 for left and right wheel-path, respectively. In this research the rut depths from 1.8 m straightedge method is compared with those derived according to PP69-10.

4.3.2 Rut Depths Using Straightedge Method

Computer programs are coded to automatically implement Simpson's rut depth calculation algorithms with straightedge method (28):

"The first end of the straightedge is placed at each point up to, but not including, the half-lane mark. This point will be referred to as (x_s, y_s)*. The slope is calculated between (xs, ys) and each subsequent point up to and including the point* (x_p, y_p)*, where* $x_p = x_s + 1800$*. The end point* (x_e, y_e) *of the straightedge is the point with the largest slope from* (x_s, y_s)*. The rut depth is the largest vertical distance between the line connecting* (x_s, y_s) *and* (x_e, y_e) *and each of the points between* (x_s, y_s) *and* (x_e, y_e)*."*

Before applying the above procedures, profiles are leveled by shifting two filtered end points to the same elevation. The transverse profiles collected by 3D Ultra are used to derive straightedge rut depths. The profiles are preprocessed with a 200 mm (8 in.) Moving Average Filter (MAF).

However, it is found the errors are frequently observed with the provided methodology. A typical example of problematic rut depth measurement is shown in Figure 4.7, with two problems. First, the straight-line connecting two points with largest slope from each other traverses the profile, which is impossible for real straightedge measures. Second, the fictive straightedge does not capture the actual deepest rut depth. These errors maybe caused by (1) irregular shapes of transverse profiles (2) high resolution of the data and (3) nature of the method.

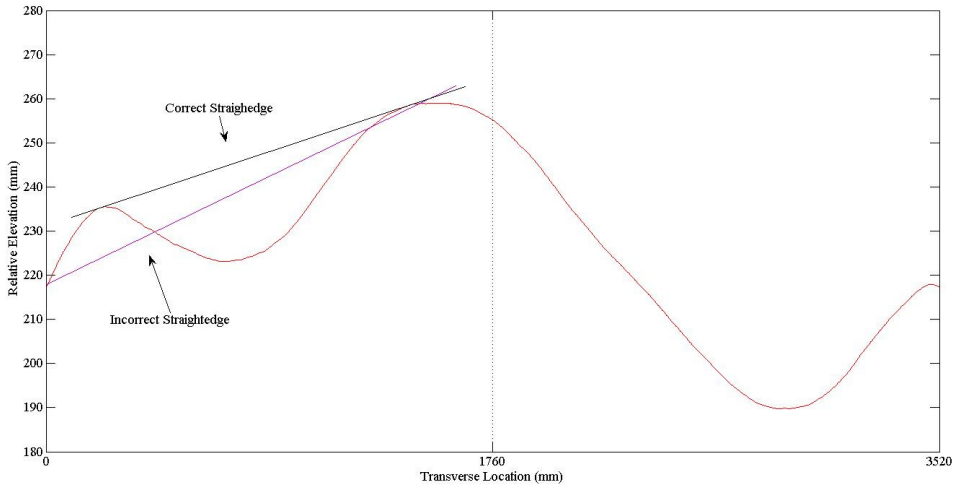


Figure 4.7 Example of Erroneous Straightedge Rut Depth Measurement

To improve the reliability and accuracy of the results, semi-automated rut depth measurement is applied. To be consistent with PP69-10 measures, the transverse profiles for analysis are filtered with 50 mm MAF.

4.3.3 Comparison of Rut Depths

2,240 transverse profiles are semi-automated analyzed per definition of Simpson's straightedge method. The derived rut depths are compared with PP69-10 rut depths from the same set of transverse profiles. The correlation matrix for left straightedge depth (SLRD), right straightedge depth (SRRD), left PP69-10 rut depth (LRD), right PP69-10 rut depth (RRD) is provided in Table 4.3.

Table 4.3 Correlation Matrix for Rut Depths

	LRD	**RRD**	**SLRD**	**SRRD**
LRD	1.00	0.67	0.97	0.67
RRD	0.67	1.00	0.68	0.98
SLRD	0.97	0.68	1.00	0.69
SRRD	0.67	0.98	0.69	1.00

In addition to the correlation matrix, paired t-tests are employed to check if the data sets are statistically significantly different. The p-values of the one tailed paired t-test are all 0.00 and are not shown in a table.

First, it can be seen that for both straightedge and PP69-10 measures, the correlation of left and right rut depths are moderate. The p-values indicate that the left and right rut depths are statistically different. These findings are in concert with Simpson's and Ali's conclusions (22, 28). In general, it is observed that the right rut depth is greater than left rut depth. The mean difference is 17 mm and 15 mm for straightedge and PP69-10 method, respectively.

With respect to the comparison of straightedge measures and PP69-10 measures, both left and right rut depths show strong correlation. The coefficients are 0.93 and 0.95 for left and right rut depth, respectively. In other words, the rut depths from PP69-10 can be converted to semi-automated straightedge measurements.

The plots of the measures for left and right rut depth are given in Figure 4.8. Linear regression models are developed as shown in Equation 4.14 and 4.15 are obtained and their R^2 is 0.94 and 0.96, respectively. The results indicate it is robust to use the straightedge rut depth measures to predict PP69-10 rut depth measures.

$$LRD = 1.01\,SLRD - 1.2,\ R^2 = 0.94 \qquad (4.14)$$

$$RRD = 1.05\,SRRD - 1.42,\ R^2 = 0.96 \qquad (4.15)$$

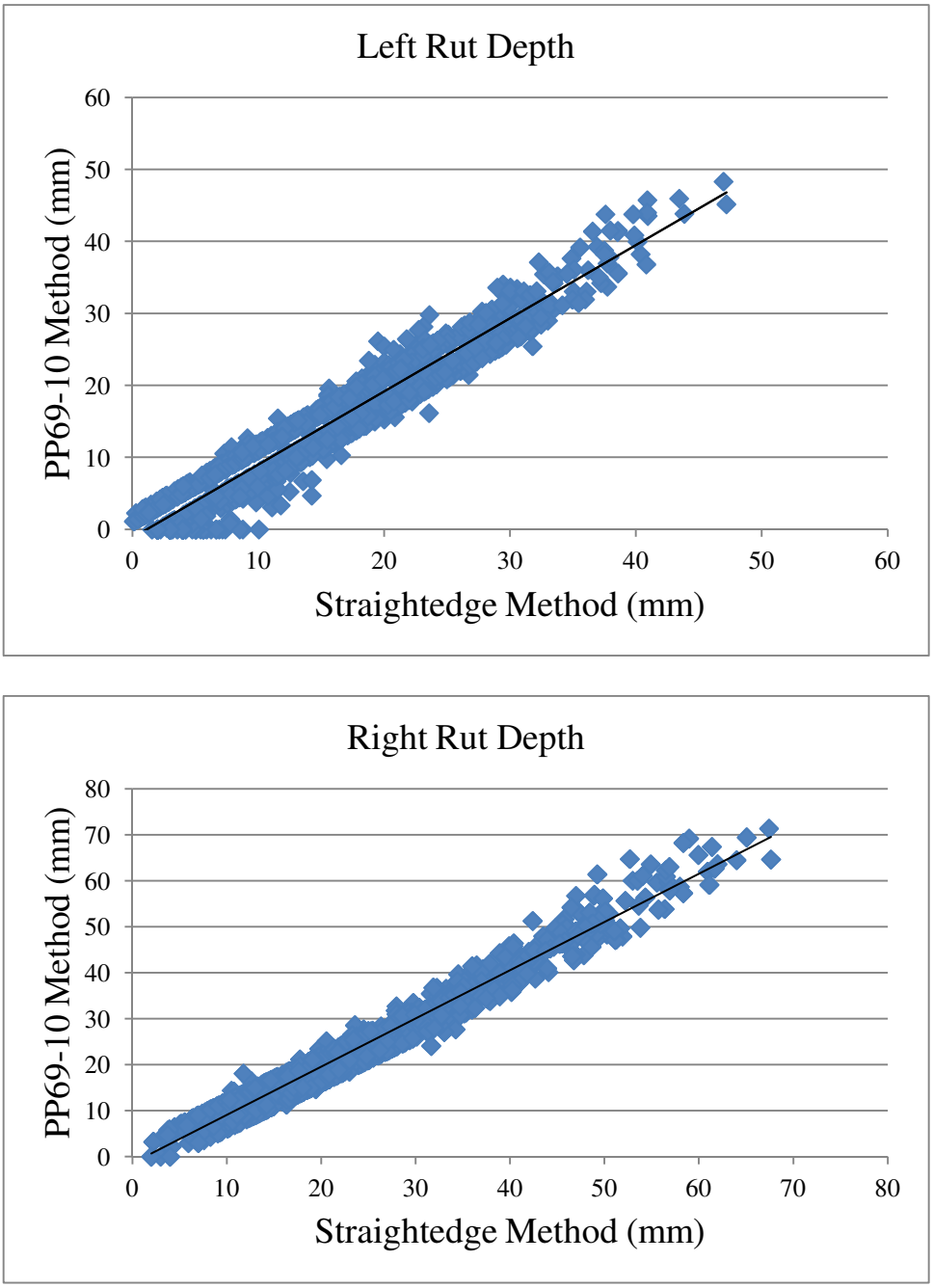


Figure 4.8 Plot of Rut Depths with Straightedge and PP69-10 Method

4.3.4 Summary

Strong correlation is observed between the rut depth measures from straightedge and PP69-10 methods. As the straightedge rut depths are derived from semi-automated method, the accuracy of automated PP69-10 rut depth measurement is validated. It is also demonstrated that scanning methodology proposed in PP69-10 is robust and reliable. With the established regression relationship, the agencies without the capability of conducting PP69-10 analysis are able to use the equations to convert traditional straightedge methods to PP69-10 rut depths.

4.4 Comparison of Cross Slope Measurements

Cross slope is an important characteristic of pavement. Two methodologies: regression line method and edge point method (Antunes et al. 2008) are widely used to calculate cross slope from pavement transverse profile. PP69-10 presents a different methodology for cross slope calculation. The relations among the three types of cross slope calculation methods are examined.

The computation process of PP69-10 method for cross slope is detailed in Section 3.4.4. To keep the data comparable, minor modifications are applied to the two traditional methods without changing their essences:

- Regression line method: First, a least square regression line that fits all the data points within the lane limit on the transverse profile. Second, the cross slope is the slope of regression line times -100.

- Edge points method: First, the two edge points of the lane on the transverse profile are identified. Second, use the elevation of the left point to minus the elevation of right point. Third, the cross slope is the difference divided by the lane width times 100.

The correlation matrix for the results from three types of methods is presented in Table 4.4. Strong correlations are obtained among these measures. The largest correlation coefficient is between regression line method and PP69-10 method, which suggests that cross slope measures from these two methods can be converted in a robust manner. A 0.88 correlation with PP69-10 cross slope implies for most of the cases the cross slope can be determined with the two edge points.

Table 4.4 Correlation Matrix for Three Types of Cross Slope Calculations

	PP 69-10	**Regression Line**	**Edge Points**
PP 69-10	1.00	0.97	0.88
Regression Line	0.97	1.00	0.93
Edge Points	0.88	0.93	1.00

4.5 Analysis of PP69-10 Attributes

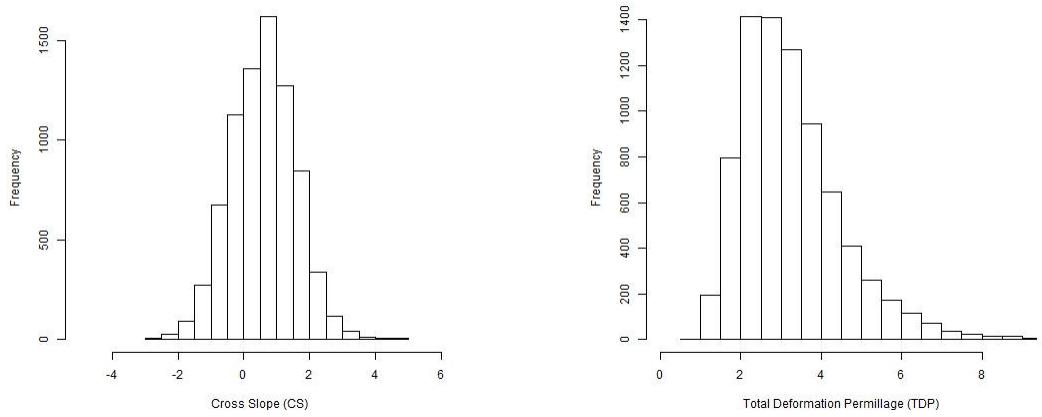
Examining the relations between different measures derived with PP69-10 is significant to pavement engineers. First, the distribution and statistical summary of the parameters can assist pavement engineers in getting accustomed to using the parameters. Second, the relations reveal the interconnection among the parameters. Inferences regarding pavement performance can be made based on these interrelations. Third, it is significant for Pavement Management Systems (PMS) to convert existing

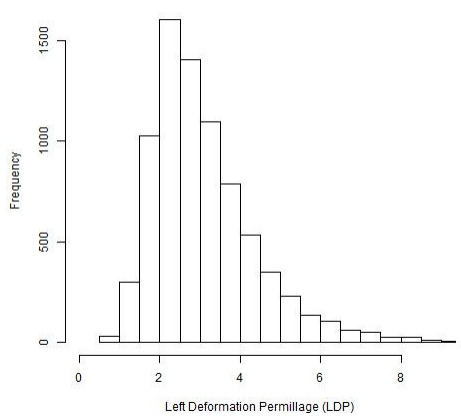
measures to new measures with PP69-10 for more consistent data sets in decision making.

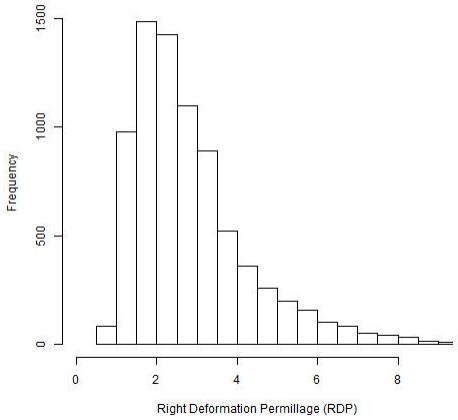
With the 8,960 transverse profiles selected from Arkansas project, the thirteen transverse deformation related attributes are calculated and summarized. Before conducting descriptive and quantitative analysis, the outlier profiles are removed. Based on the definition, a profile with any deformation per millage larger than 10 is deleted from the data set. In total 131 profiles (1.5%) are taken away from 8,960 profiles and 8,829 profiles remain for further investigation.

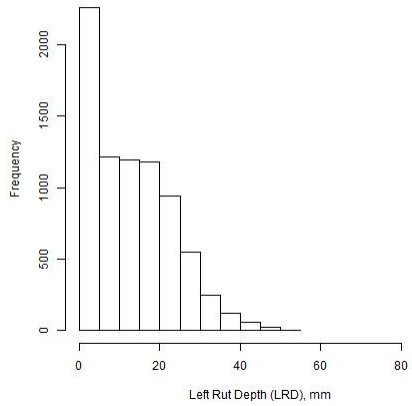
4.5.1 Statistical Summary

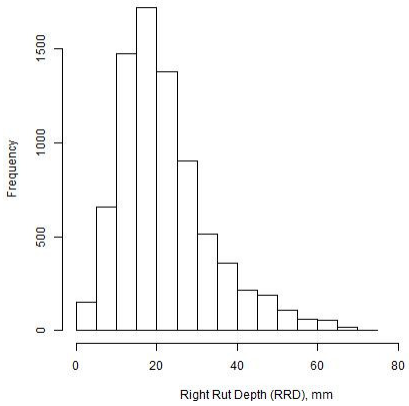
To observe the patterns and ranges of the data sets, histograms and fundamental statistics are presented in Figure 4.8 and Table 4.5.

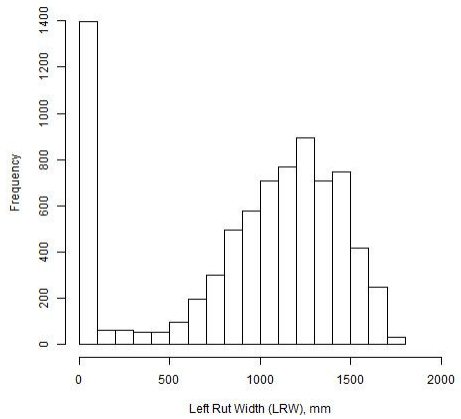


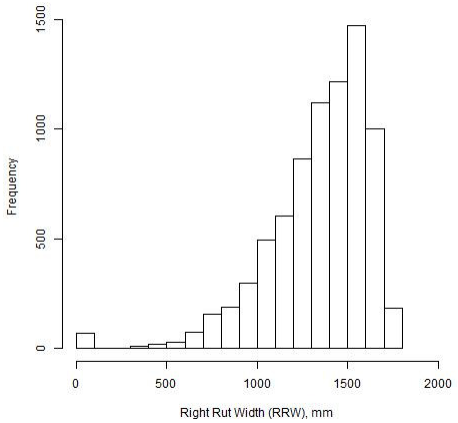

Frequency
0
500
1000
1500
0
2
4
6
8
Left Deformation Permillage (LDP)

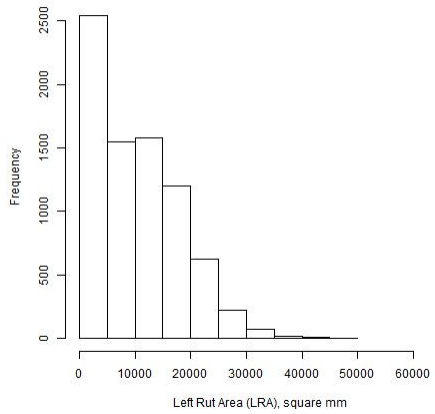

Frequency
0
500
1000
1500
0
2
4
6
8
Right Deformation Permillage (RDP)

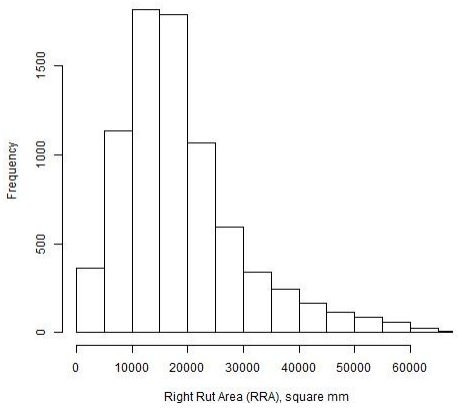

Frequency
0
500
1000
1500
2000
0
20
40
60
80
Left Rut Depth (LRD), mm

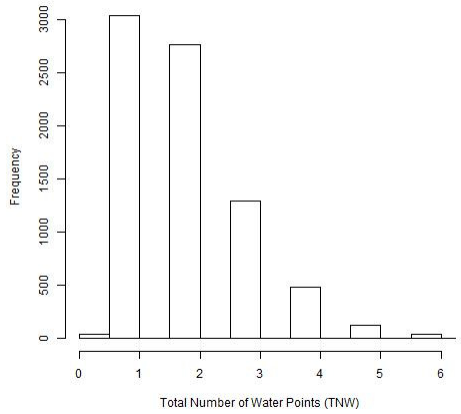

Frequency
0
500
1000
1500
0
20
40
60
80
Right Rut Depth (RRD), mm

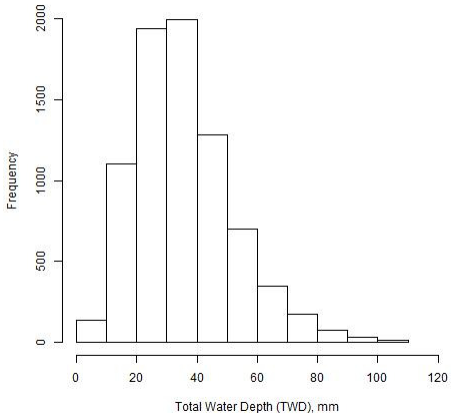

Frequency
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
Left Rut Width (LRW), mm


Frequency
0
500
1000
1500
0
500
1000
1500
2000
Right Rut Width (RRW), mm


Frequency
0
500
1000
1500
2000
2500
0
10000
20000
30000
40000
50000
60000
Left Rut Area (LRA), square mm


Frequency
0
500
1000
1500
0
10000
20000
30000
40000
50000
60000
Right Rut Area (RRA), square mm


Frequency
0
500
1000
1500
2000
2500
3000
0
1
2
3
4
5
6
Total Number of Water Points (TNW)


Frequency
0
500
1000
1500
2000
0
20
40
60
80
100
120
Total Water Depth (TWD), mm

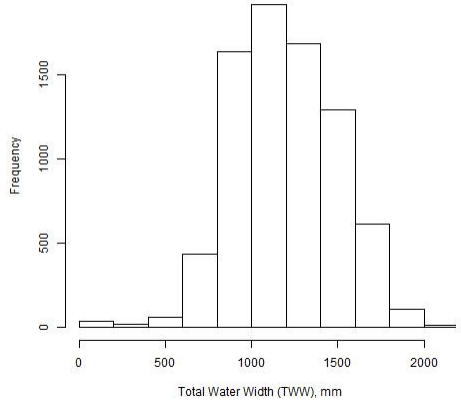

Frequency
0
500
1000
1500
0
500
1000
1500
2000
Total Water Width (TWW), mm

Figure 4.9 Histograms of the Attributes

Table 4.5 Statistics of the Attributes

	Mean	Max	Min	Median	Std. Dev.
CS	0.59	4.80	-2.88	0.61	0.98
TDP	3.26	9.81	0.98	3.03	1.24
LDP	3.11	9.98	0.77	2.82	1.31
RDP	2.85	9.98	0.66	2.48	1.45
LRD (mm)	12.79	52.52	0.00	11.80	10.32
RRD (mm)	21.99	71.37	0.00	19.64	11.56
LRA (sq mm)	10058.62	45210.79	0.00	9365.69	8076.05
RRA (sq mm)	18695.05	67967.50	0.00	16508.70	11019.85
LRW (mm)	940.44	1755.00	0.00	1087.00	519.43
RRW (mm)	1341.01	1767.00	0.00	1398.00	282.12
TNW	1.97	8.00	0.00	2.00	1.05
TWD (mm)	36.01	110.13	0.00	33.66	16.43
TWW (mm)	1194.39	2193.00	0.00	1177.00	296.64

Histograms and the statistics data show that all the attributes are slightly skewed. All deformation parameters, rut depths, rut area, total water width, and total water depth are right skewed whereas rut widths, total number of water entrapment points, and cross slope are left skewed. The ranges of three deformation parameters are close to each other. Total deformation per millage has higher mean and median values than those of the left and right deformation. The rut depths are generally congruent with the conclusion from Section 4.4 and Simpson's research (28), where right rut depth is much higher than the left rut depth in terms of mean and median values. However, it is found that their standard deviations are close to each other, 10.32 mm and 11.56 mm for left rut depth and right rut depth, respectively. The rut width and rut area show the same trend in terms of mean and median values. However, their standard deviations have a

larger difference. It is interesting to notice that both the average and median values of right deformation (RDP) is less than those of left deformation (LDP). This difference implies that the shape of right rut is more regular than that of the left wheel-path. In other words, the right deformation is caused mainly by normal pavement depression; however, the left wheel-path may contain irregular deformations. The average points of water entrapment is about 2 and the mean total water entrapment depth is about 36 mm, which is close to the sum of mean left rut depth and mean right rut depths, which is about 34 mm. This comparison could lead to an inference that the wheel-path depressions could be major contributors to water entrapment. The distribution of cross slope is of little practical significance in this research due to the lack of ground truth data.

4.5.2 Interrelationships

In addition to the statistics and distribution of ranges, pavement engineers are interested in knowing the relationships between the new parameters derived from PP69-10 and the traditionally measured parameter rut depths.

4.5.2.1 Correlation Analysis

The correlation analysis is used to examine the interrelationships. As shown in Table 4.6, only a handful of correlation coefficients are high (greater than 0.7) in the correlation matrix. The correlations between the following five pairs of parameters are high:

- Total Deformation Per millage (TDP) and Left Deformation Per millage (LDP)
- Total Deformation Per millage (TDP) and Right Deformation Per millage (RDP)

- Left Rut Depth (LRD) and Left Rut Area (LRA)
- Left Rut Width (LRW) and Left Rut Area (LRA)
- Right Rut Depth (RRD) and Right Rut Area (RRA)

Table 4.6 Correlation Matrix for All PP69-10 Attributes

	CS	TDP	LDP	RDP	LRD	RRD	LRA	RRA	LRW	RRW	TNW	TWD	TWW
CS	1.00	0.04	0.12	0.00	0.27	0.07	0.17	0.22	0.23	0.34	0.02	0.00	0.09
TDP	0.04	1.00	0.89	0.91	0.57	0.61	0.52	0.53	0.28	0.02	0.29	0.51	0.24
LDP	0.12	0.89	1.00	0.65	0.58	0.48	0.52	0.44	0.30	0.09	0.32	0.38	0.21
RDP	0.00	0.91	0.65	1.00	0.48	0.66	0.44	0.57	0.24	0.03	0.29	0.47	0.20
LRD	0.27	0.57	0.58	0.48	1.00	0.42	0.94	0.38	0.68	0.03	0.22	0.44	0.25
RRD	0.07	0.61	0.48	0.66	0.42	1.00	0.37	0.95	0.14	0.45	0.17	0.64	0.18
LRA	0.17	0.52	0.52	0.44	0.94	0.37	1.00	0.33	0.77	0.01	0.22	0.43	0.28
RRA	0.22	0.53	0.44	0.57	0.38	0.95	0.33	1.00	0.14	0.61	0.18	0.58	0.20
LRW	0.23	0.28	0.30	0.24	0.68	0.14	0.77	0.14	1.00	0.02	0.18	0.21	0.29
RRW	0.34	0.02	0.09	0.03	0.03	0.45	0.01	0.61	0.02	1.00	0.13	0.13	0.07
TNW	0.02	0.29	0.32	0.29	0.22	0.17	0.22	0.18	0.18	0.13	1.00	0.08	0.36
TWD	0.00	0.51	0.38	0.47	0.44	0.64	0.43	0.58	0.21	0.13	0.08	1.00	0.38
TWW	0.09	0.24	0.21	0.20	0.25	0.18	0.28	0.20	0.29	0.07	0.36	0.38	1.00

These high coefficients between total deformation and deformations of two wheel-paths demonstrate that the total deformation is affected by the left or right deformation. The rut depth has a very strong correlation with the rut area: left and right correlation coefficients are 0.94 and 0.95, respectively. This indicates that it is promising to use the rut depth to estimate the rut areas.

Three parameters only have weak correlations with any other parameters: cross slope (CS), total number of water entrapment points (TNW), and total water width (TWW). It is straightforward that the TNW is not correlated with any other parameters as it is a discrete measure and other measures are physical measures. It is surprising that cross slope has extremely weak correlation with any other parameters. Based on the definition, the water entrapment analysis is highly relied on the cross slope. With respect to the water entrapment depth (TWD), it has moderate correlation with TDP,

RDP, LRD, RRD, LRA and RRA, with the highest R value of 0.64 for RRD. This result is understandable because both rut depths contribute to TWD to some extent and so does the deformation of the pavements. Right rut depth has a greater impact on the cumulative water depth. Many local water entrapment points are not induced by major rut depression but the texture variation or other sources of deformations.

4.5.3 Prediction Models

Based upon literature review, rut depths are the only measures for most of the state agencies, which means they are the only retrievable technical parameters for analysis and comparison in current pavement management systems (PMS). The relationship between traditional straightedge method and new PP69-10 method for rut depths derivation is developed in Section 4.4. For the purpose of promoting PP69-10, it is necessary and meaningful to establish quantitative relationships between the rut depths and the other newly proposed attributes in PP69-10 such that the parameters like rut area and deformation per millage can be estimated by rut depths.

Based on the physical significance of the attributes, linear regression is employed to use rut depths to predict the new attributes. The regression analysis is based on the 8,829 transverse profiles. The following relationships among rut depths, rut widths, rut area, deformation, and water entrapment attributes are generated:

Rut Depth and Rut Width:

$$LRW = 34.24\,LRD + 502.67, \qquad R^2 = 0.46$$

$$RRW = 11.04\,RRD + 1098.1, \qquad R^2 = 0.204$$

Rut Depth and Deformation Per millage:

$$LDP = 0.074\,LRD + 2.172, \qquad R^2 = 0.338$$

$$RDP = .084\,LRD + 1.008, \qquad R^2 = 0.441$$

$$TDP = 0.045\,LRD + 0.049\,RRD + 1.602, \qquad R^2 = 0.491$$

Rut Depth and Rut Area:

$$LRA = 738.53\,LRD + 615.88, \qquad R^2 = 0.891$$

$$RRA = 901.81\,RRD - 1131.2, \qquad R^2 = 0.894$$

Rut Depth and Water Depth:

$$TWD = 0.787\,LRD + 0.337\,RRD + 14.396, \qquad R^2 = 0.449$$

The relations between rut depth and water width and number of water points are not established due to their weak physical connections. It can be seen that the rut area can be satisfactorily approximated by the rut depth. The R^2 are close to 0.9 for both wheel-paths. Therefore, it is promising for agencies to predict the rut area with collected rut depth. The R^2 for total water depth (TWD), total deformation (TDP), right deformation (RDP), and left rut width (LRW) are moderate, which demonstrates that it is feasible but not very robust to use rut depths to obtain those values. For those prediction with low R^2, it is not recommended to conduct the predictions.

4.5.4 Summary

It is found out that the characteristics of left and right rut are significantly different. The left rut depth is significantly less than the right rut depth. However, the average left deformation is more than that of the right side. Inferences are made regarding the shape of the rut. These conclusions could be conducive for decision makings.

Also, it is found that rut areas have high correlation with rut depths and can be satisfactorily approximated by rut depths. This finding is significant to pavement engineers in terms of estimating the rut volume with current rut depth measures.

CHAPTER 5 EVALUATION OF CRACKING PROTOCOL PP67-10

5.1 Preliminary Evaluation

PP67-10 is different from other current used protocols in many aspects. It is necessary to compare the new protocol with the typically used ones for two reasons: (1) no agencies has adopted the new protocol, and thus it is important to introduce the features of the new measures; (2) conversion from the currently used measures to the new measures or the reverse way is desired to provide consistent and comparable time-series data for a pavement management system.

5.1.1 Introduction

In PP67-10, cracking is defined as "a fissure of the pavement material at the surface with minimum dimensions of 1 mm (0.04 in.) width and 25 mm (1 in.) length".

Cracking is classified to three types: longitudinal, transverse, and pattern cracking. There are two important threshold values in the determination of cracking type. First, a minimum length of 0.3 m (12 in.) should be a criterion in categorizing a cracking into transverse or longitudinal cracking. Second, the transverse and longitudinal cracking should be oriented between positive and negative 10 degrees paralleling to the centerline and perpendicular to the centerline, respectively. Other cracking is classified as pattern cracking. All three types of cracking are subjected to report.

Two attributes of a cracking: cracking length and cracking width are recorded. For all three types of cracking, these two attributes are measured and reported on

section and zone basis. A summary section is 100 m long. The five zones are generated by both wheel-paths, as illustrated in Figure 3.1. For cracking length, the total length of all cracking within the section for each zone is summed and reported. For cracking width, the average width of all cracking within the section for each zone is calculated and reported. As stated in the protocol: “each summary section will have 30 values that characterize the cracking contained therein”. The 30 values are generated based on 2 attributes, 3 cracking types, and 5 zones.

5.1.2 Comparison of Cracking Protocols

Conventionally, the principal physical characteristics of cracking in distress survey are type, extent, severity, and relative location. These aspects are related to the mechanism of the cracking formation, prediction of propagation, and subsequent maintenance and repair actions (Paterson 1994, PIARC 2012). Cracking type characterizes the visual pattern or orientation of the cracks, such as alligator and longitudinal cracking. Extent reflects the quantity of the cracks. Example measures are total length, extended area, and percentage of the surface. Severity usually refers to the surface-width of the cracks, while in some occasions other information such as spalling and faulting at cracks are attributed to the classification of severity level. Relative location can be used to identify different zones of a lane, which is usually divided by the wheel-path.

A comparison of widely accepted cracking survey protocols are summarized in Table 5.1. Six protocols are investigated. It is observed that various combinations of these four aspects are developed in these standards, half of which, the AASHTO

cracking protocol PP67-10 and PP44-00 (AASHTO 2008, AASHTO 2011), and LTPP manual set up technical parameters for all four aspects. The cracking extent is the only characteristic that recorded by all these evaluation standards. Furthermore, few common points are identified for these protocols in terms of selection of technical parameters for different aspects.

Table 5.1 Cracking Survey Protocols

Protocol	**Reporting Items**	**Major Types**	**Extent**	**Severity**	**Relative Location**	**Survey Methods**
MEPDG (AASHTO 2008)	Criteria are set for distresses to determine failure. No overall evaluation.	Transverse, Longitudinal, and Alligator.	Transverse and Longitudinal: ft/mi, Alligator: %.	N/A	Wheel-path and non-wheel-path.	N/A
PP67-10 (AASHTO 2011)	Report individual attribute	Pattern, Transverse and Longitudinal.	Actual length.	Actual widths.	5 zones are divided by the two wheel-paths.	1,2,3
LTPP (FHWA 2003)	Report individual attribute.	Fatigue, Block, Longitudinal, Reflection, Transverse, and others.	Length or area according to crack type.	Low, Moderate, and High applied to different types of cracks.	Longitudinal cracks either in or out wheel-path. Fatigue only in wheel-path.	1
HPMS (FHWA 2010)	Report extent for three types of cracking	Fatigue, Transverse and Longitudinal	Percentage area for fatigue and actual length for transverse in AC.	N/A	Fatigue only in wheel-path.	1,2,3
PCI (ASTM 2009)	Type, extent, and severity are used to calculate PCI.	Alligator, Block, Joint reflection, Longitudinal and Transverse, and others.	Length or area (percentage) as per feature.	Low, Medium, and High. Considering other associated distresses.	N/A	1
PP44-00 (AASHTO 2008)	Report individual attribute	Transverse, Longitudinal, and Interconnected Cracking	Total length of cracking per unit area (m / m^2) for 5 strips.	Level 1, 2, and 3 (least severe to the severest).	5 strips are divided by the two wheel-paths.	1,2,3

Survey Methods: 1 is manual, 2 is semi- automated, and 3 is fully automated.

The AASHTO protocol PP44-00, ASTM standard, and the LTPP standard are prevailing protocols in the current practice. The Highway Performance Monitoring Systems (HPMS) collects cracking based on PP44-00 or the LTPP protocol. The

Mechanistic-Empirical Pavement Design Guide (MEPDG) develops its performance models using distress data collected following the LTPP protocol.

In PP44-00, there are also three types of cracking: longitudinal, transverse and interconnected cracking. Each cracking is classified with severity levels. Level 1 cracking has a width less than 3 mm; Level 2 cracking has a width between 3mm and 6 mm width; and cracking width greater than 6 mm is classified into Level 3. In addition, PP44-00 requires reporting the extent of cracking using Total Length of Cracking per unit area (m/m^2). Wheel-path is also defined in PP44-00, which is the same as PP67-10. Therefore, as the total length for each zone is recorded in PP67-10, it is also feasible to convert the data from PP67-10 into the format required by PP44-00.

Comparing to the three cracking types in PP 67-10, LTPP and ASTM protocols record at least five types. It is difficult to divide the three types of AASHTO cracking into more detailed cracks. However, transverse cracking and longitudinal cracking in PP 67-10 can be simply recognized as the corresponding cracking types in LTPP and ASTM.

With actual crack length and width recorded based on PP67-10, severity level can be determined following the LTPP protocol definitions. Cracking with the mean width less or equal to 6mm is classified as low severity level; cracking with mean width higher than 19 mm is defined high severity level cracking; all between are moderate level cracking. According to PP67-10, all the pattern cracks are recorded by length; however in LTPP fatigue and block cracks are recorded by extended area. Assumptions are needed to convert data between PP67-10 and LTPP.

In summary, the major challenge of data conversion among different cracking protocols is the lack of consistency in the definition of cracking types. The intensity and extent data in PP67-10 could be converted to other data formats with assumptions. For the purpose of HPMS data report, if the cracking data are historically abides by PP44-00, the conversion is straightforward. However, if the LTPP protocol is adopted for HPMS, assumptions are needed. PP44-00 is very similar to the ME Design. In order to use the data from PP67-10 for Pavement ME Design, there are two difficulties (a) how to link the pattern cracking in PP67-10 to the alligator cracking in the ME Design; (b) how to covert the length and width measured in PP67-10 to the percentage of lane area defined in ME Design for alligator cracking.

5.1.3 Discussions

During the data processing and analysis, it is found that there are some vague definitions and unreasonable requirements in PP67-10. Improvements of these points are desired for a better protocol.

First, the pattern cracking covers all cracking other than longitudinal and transverse cracking. Theoretically and literally, it is believed that pattern cracking should be equal to the conventionally defined alligator cracking or block cracking or both. However, this is not the case as the pattern cracking does not consider the interconnectivity of the cracking. In many scenarios, interconnected cracking are categorized into longitudinal or transverse cracking as they are oriented within ±10 degrees paralleling or perpendicular to the pavement centerline.

Second, it is defined that generically cracking should have a minimum length of 25 mm (1 in.). The transverse and longitudinal cracking should have lengths more than 0.3 m (12 in.) and the pattern cracking does not have a specific length threshold. However, if the cracking length is between 25 mm (1 in.) and 0.3 m (12 in.), and the orientation meets the criteria of transverse or longitudinal cracking, which type of cracking should be rated is not clear. Similar challenge is also present in the definition of cracking width.

Third, as required in PP67-10, the amount (length) of the cracking by zones should be reported. However, it is not clear in the protocol on how to determine the crack type if a crack crosses multiple zones. In other words, if a continuous cracking spans more than one zone, how to determine which zone it belongs to? In the current PP67-10 practice, the total cracking length is divided into several pieces by zones.

Fourth, the average width of the cracking is required in the protocol. However, how to average the cracking within a zone is not provided. As a surface fissure, the cracking spans to a certain length with different width at different positions. For one cracking, the average width is considered the mean of the width along the cracking spanning. However, as the protocol requires reporting average cracking width by each summary section, how to average the width for multiple cracking is not defined.

Last but not least, validating automated results is challenging. The protocol requires validating from actual field observations other than using automatically collected pavement image data. This is unrealistic for many reasons: (1) the resolution from the field measures may not be as accurate as those from digital images; (2) the line of sight measurement has limitations in determining the orientation and other properties

such as width of a cracking without the aid of computers; (3) it is time and resources consuming.

5.2 Pilot Study and Validation

5.2.1 Introduction

Automated cracking detection, classification, quantification, and summary are conducted according to the protocol PP67-10 for all pavement sections collected for this project. To assure the quality of the automated survey, sample sections are selected and manually surveyed by trained staff to validate the accuracy of automated results.

5.2.2 Design of Experiments

Twenty 100-m long pavement sections are randomly selected for detailed manual survey. The information of the selected pavement sections are listed in Table 5.2. Their locations are marked out in the Figure 5.1. Because AASHTO PP67-10 is developed for asphalt pavement, all the 20 sections are sampled from asphalt surfaced pavements.

For the manual survey, various cracking is manually labeling with ADA3D on the 3D image window. ADA3D can post-process the manually labeled cracks and generate report per requirements of PP67-10. To acquire high quality data, lane markings are semi-automatically identified. The measured left and right marking are input into ADA3D for post-processing as the basis to determine the five zones defined in PP67-10. Due to the complexity of average width calculation based on manual process, crack width is not reported for the manual survey.

Table 5.2 Selected Twenty 100-m Pavement Segments

No	Road Name	Length (meters)	Beginning Latitude	Beginning Longitude	Ending Latitude	Ending Longitude
1	US 67 NB	100	33.458918	-93.997677	33.459661	-93.996862
2	US 67 NB	100	33.790428	-93.395933	33.791128	-93.395056
3	US 67 NB	100	34.297717	-92.851636	34.299453	-92.849987
4	US 70 EB	100	34.693617	-92.346403	34.694612	-92.346226
5	US 70 EB	100	34.789756	-91.45554	34.790659	-91.454927
6	US 70 EB	100	35.011349	-90.778247	35.011715	-90.777133
7	US 70 EB	100	34.05945	-94.471779	34.059539	-94.470725
8	US 70 EB	100	34.234567	-93.750792	34.23465	-93.749553
9	US 70 EB	100	34.443155	-93.23798	34.443008	-93.236785
10	AR 100 WB	100	34.815366	-92.362855	34.816284	-92.363355
11	AR 100 EB	100	34.875054	-92.396692	34.874049	-92.396687
12	US 65 SB	100	35.95162	-92.730633	35.950835	-92.729783
13	US 65 SB	100	35.864102	-92.602628	35.863094	-92.602689
14	US 65 SB	100	35.326318	-92.411695	35.325311	-92.411713
15	US 412 EB	100	36.178897	-93.968463	36.178454	-93.967376
16	US 412 EB	100	36.134803	-93.553277	36.135716	-93.550832
17	US 412 EB	100	36.292317	-93.230109	36.291869	-93.228997
18	US 65 SB	100	34.08371	-91.69825	34.083278	-91.697178
19	US 65 SB	100	33.803082	-91.4683	33.802092	-91.468117
20	US 65 SB	100	33.082846	-91.237278	33.082022	-91.236591

5.2.3 Results Comparison

For each 100-m segment, the length of each of the three cracking types are summarized using ADA3D automated method and manually surveyed approach. Total length of crack within the entire lane in the section, length of crack within wheel-path (WP), length of crack outside of wheel-path (WP) are compared. The comparisons are presented in Figure 5.2. The comparisons are observed as follows:

- Variations and bias are observed between manual survey data and ADA3D automated results.

- Manual survey always reports more transverse cracking than the automated method.
- Few pattern cracking is identified through automated approach, while extensive cracking is observed during the manual process for some occasions.

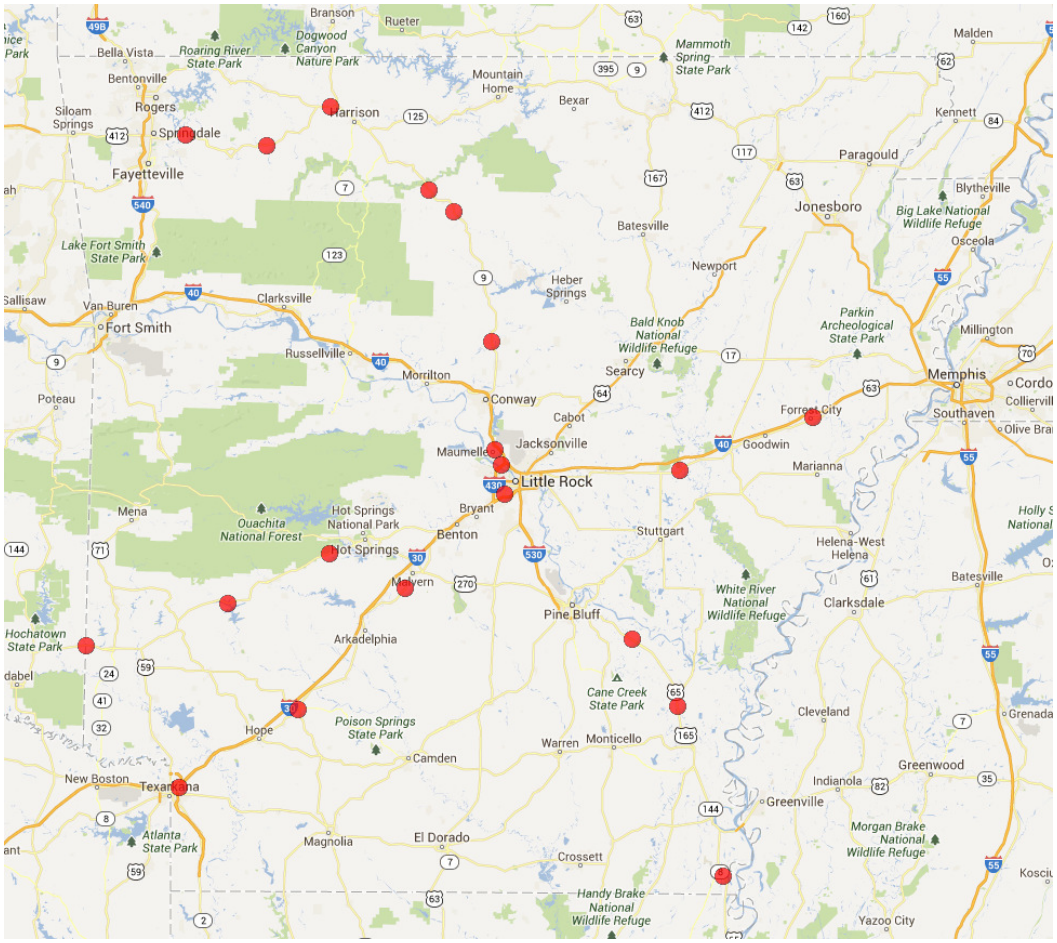
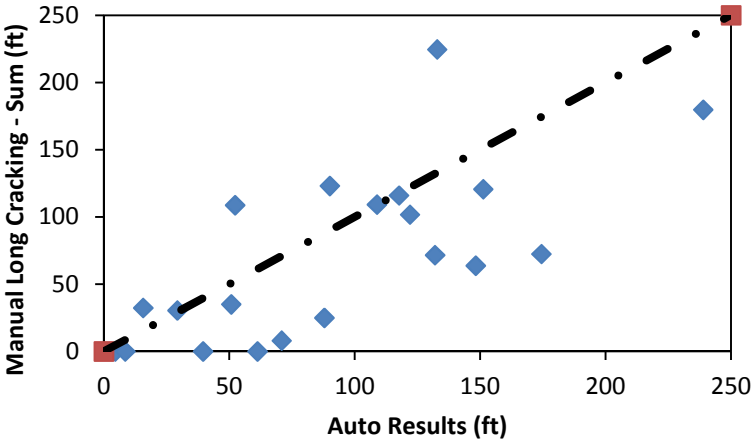
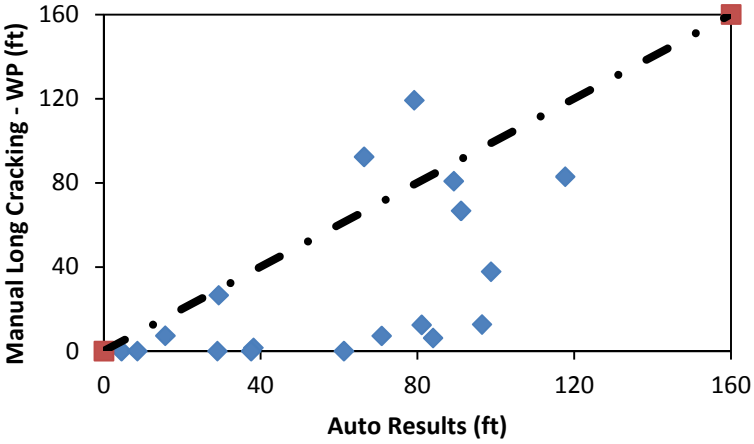
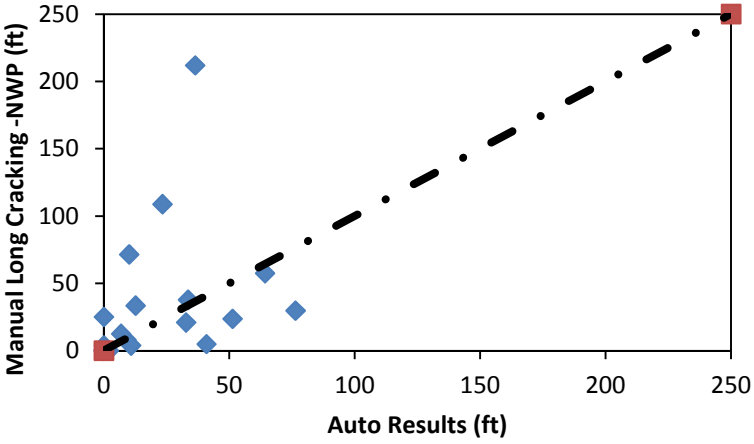


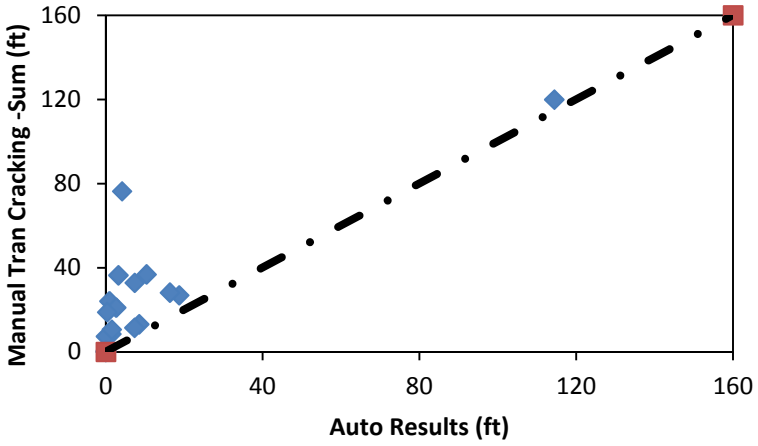
Figure 5.1 Geographical Distribution of the Sample Segments

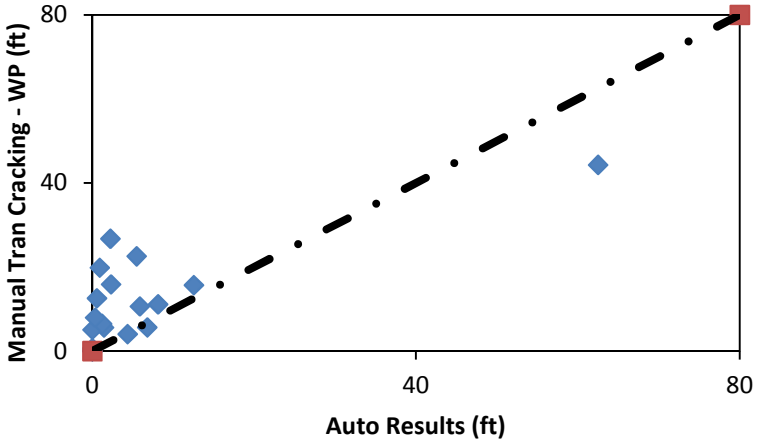


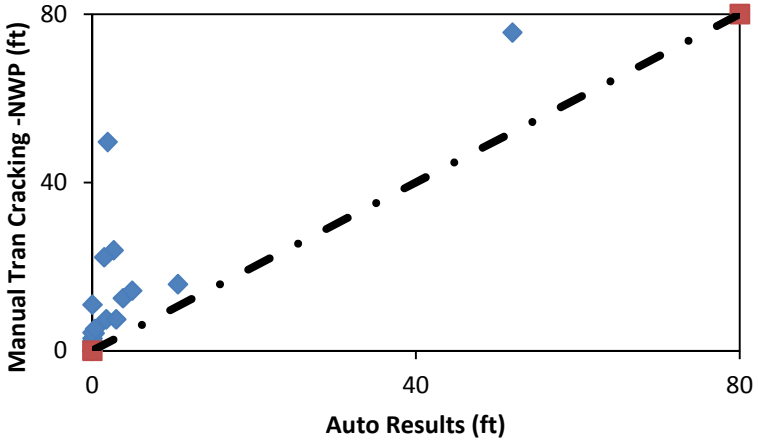




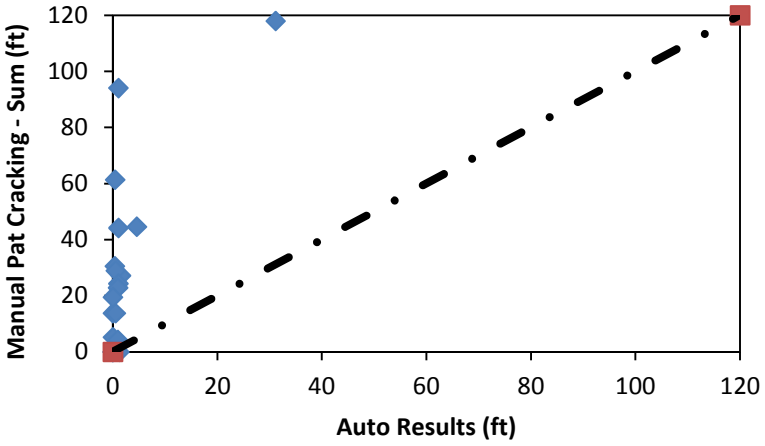
(a) Longitudinal Cracking

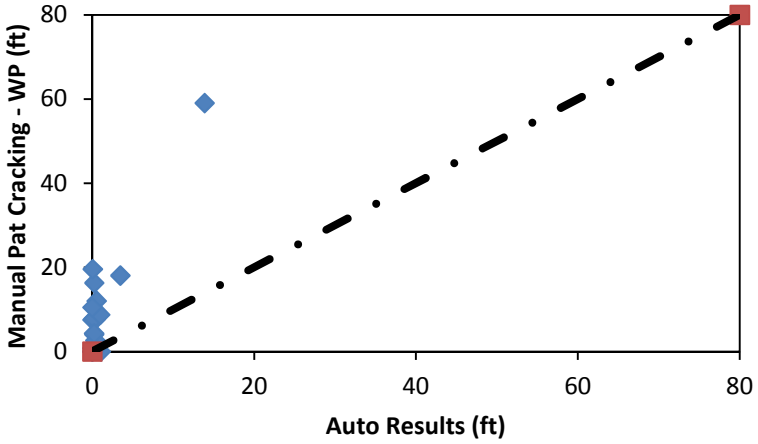


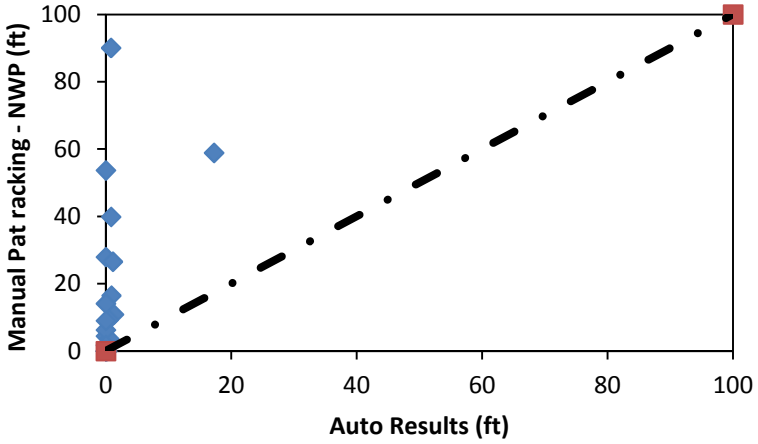




(b) Transverse Cracking







(c) Pattern Cracking

Figure 5.2 Comparisons of Cracking Data Based on Manual and Automated Methods

Per PP67-10 Protocol

To better understand the data comparisons, statistical summary is provided in Table 5.3. Bias is defined as average over or under manual survey results. P-value helps determine whether the comparisons are significantly different. A small p-value (typically ≤ 0.05) indicates strong evidence to reject the null hypothesis (assumes no significant difference), which indicates that bias should be eliminated through local calibration. The standard error of the estimate (SEE) is a measure of the accuracy of the two data sets. It is observed that:

- For longitudinal cracking, no significant differences are observed for the entire lane width and non-wheel-path, but not for those in the wheel path. In addition, the highest level of standard error is obtained among the three types of cracking.
- There is statistically no difference (bias) between manual and automated transverse cracking. The two methods generate moderate level of standard error, or precision.
- Significant difference is observed between manual and automated survey data sets since all the p-values are smaller than 0.05. However, the standard errors are the smallest among the three types of cracks. In other words, comparing to the manual survey, automated results are not close to the manual results in general, but can generate biased results with high repeatability. For this case, bias should be eliminated.

Table 5.3 Statistical Summary of Data Comparisons

Cracking Type	Location	Bias	P Value	SSE
Longitudinal Cracking (ft)	Sum	20.70	0.30	41.92
	WP	32.93	0.03	33.82
	NWP	-12.22	0.33	39.93
Transverse Cracking (ft)	Sum	-8.81	0.12	15.03
	WP	61.28	0.21	9.45
	NWP	-5.03	0.08	6.90
Pattern Cracking (ft)	Sum	-17.48	0.00	4.14
	WP	21.42	0.01	1.42
	NWP	-7.89	0.00	3.21

5.3 Summary

This Chapter provides an evaluation of using the AASHTO PP 70-10 to quantify pavement cracks based on 1mm 3D pavement surface data collected by PaveVision3D at highway speed. Manual surveys are conducted in-house with a subset of 20 segments from collected network pavement data sets. Precision and bias between results from manual survey and automated survey are presented analyzed. Results have shown that the 1mm PaveVision3D system and its software solution can provide highway agencies with comprehensive, reasonably consistent, accurate, and repeatable pavement data sets. Meanwhile, the research team continues improving the software development on data acquisition and automated cracking detection. It is anticipated that much more robust next generation ADA3D software program to be delivered in 2014.

CHAPTER 6 IN-PRODUCTION NETWORK SURVEY

6.1 In-Production Network Survey

Two data collection trips were made to acquire 1mm 3D data collected at highway speed using PaveVision3D system, one at the beginning of March 2013 and the other one at the end of March 2013. Arkansas State Highway 100 (both East and West Bounds), US Highway 412 East Bound from the border of Oklahoma to the junction of US Highway 65, US Highway 65, US Highway 67, US Highway 70, Interstate 40 (both directions from Oklahoma Border to Conway) are selected for the data collection with a total mileage of 1234.6 lane miles.

6.2 Data Deliverables

The PaveVision3D Ultra data for each pavement section are stored in one folder. Each folder may contain multiple sub-folders, mainly because the third party high speed profiling system - AMES Profiler frequently encounters "out of memory" crashes. In case of an AMES system crash, the data collection has to be stopped and a new data collection commenced. In order to assure that no data are missing between two consecutive data collections, the data collection crew intentionally drives the PaveVision3D data collection vehicle back for several miles and starts another data collection before where the AMES system crashes. As a result, two consecutive data collection will generally have an overlap in length. The collected pavement sections, the missing and overlap among the sections are provided in Table 6.1.

Table 6.1 Summary of Data Collection Sections

Route Name	No.	Folder Name	Starting Position		Ending Position		Length (mile)	Overlapped	Missed	3D ID #	
			Lat	Long	Lat	Long				Starting	Ending
US67 N (to Benton)	1	US67N-1	33.427813	-94.041741	33.527409	-93.917465	10.1	N/A	N/A	N/A	N/A
	2	US67N-2	33.527758	-93.917175	33.755781	-93.440186	33.4	N/A	154feet	N/A	N/A
	3	US67N-3	33.755971	-93.439666	34.120883	-93.05354	36.5	N/A	177feet	N/A	N/A
	4	US67N-4	34.120993	-93.053465	34.243026	-92.914379	15.1	N/A	30feet	N/A	N/A
	5	US67N-5	34.243036	-92.914368	34.337582	-92.833202	8.4	N/A	3feet	N/A	N/A
	6	US67N-6	34.338283	-92.833109	34.545558	-92.629639	21.1	N/A	256feet	N/A	N/A
US67N (From Little Rock)	1	US67N-1	34.78343	-92.229695	34.975439	-92.037661	17.8	N/A	N/A	0	11114
	2	US67N-2	34.952092	-92.059627	35.826352	-91.131887	84.8	2mile	N/A	0	66452
	3	US67N-3	35.800648	-91.14941	36.037465	-90.984323	18.8	2mile	N/A	N/A	N/A
	4	US67N-4	36.036707	-90.985076	36.500019	-90.539669	52.2	N/A	N/A	N/A	N/A
US65S (to Conway)	1	US65S-1	36.496927	-93.222341	36.028697	-92.799671	47.8	N/A	N/A	N/A	N/A
	2	US65S -2	36.024291	-92.795919	35.952512	-92.731635	6.7	N/A	0.4mile	N/A	N/A
	3	US65S -3	35.95162	-92.730633	35.11271	-92.428273	72.1	N/A	436feet	N/A	N/A
US412 E	1	US412E-1	36.176343	-94.566219	36.172956	-94.523634	2.4	N/A	N/A	N/A	N/A
	2	US412E -2	36.180842	-94.505366	36.172503	-94.387322	8.1	N/A	1.4mile	0	1138
	3	US412E -3	36.180724	-94.498224	36.175926	-94.220121	16.1	6.5mile	N/A	N/A	N/A
	4	US412E -4	36.175883	-94.217823	36.294805	-93.193957	69.6	N/A	0.1mile	N/A	N/A
I35S-I40E (to Conway)	1	I35S-I40E -1	35.451293	-94.441349	35.527542	-94.017017	25.7	N/A	3D data missing		
	2	I35S-I40E -2	35.491231	-93.601411	35.112938	-92.441267	74.8	N/A	N/A	N/A	N/A
US67S (to Little Rock)	0	US67S -0	35.7913	-91.026745	34.921	-92.082111	89	N/A	N/A	N/A	N/A
	1	US67S -1	34.975629	-92.037888	34.827954	-92.18769	13.8	N/A	4.7mile	N/A	N/A
	2	US67S -2	34.864568	-92.128875	34.802766	-92.213357	6.6	N/A	4.3mile	N/A	N/A
	3	US67S -3	34.863923	-92.12907	34.777602	-92.237242	8.8	N/A	6.5mile	N/A	N/A
US65S (from Pine Bluff)	0	US65S -0	34.199243	-91.963019	33.613241	-91.383075	57.4	N/A	N/A	0	40084

	1	US65S -1	33.622498	-91.38188	32.990803	-91.224525	46.8	0.6mile	N/A	N/A	N/A
US70E (to Memphis)	1	US70E -1	34.691397	-92.346785	34.871717	-91.198039	73.4	N/A	N/A	N/A	N/A
	2	US70E -2	34.871943	-91.197873	35.145958	-90.124724	67	N/A	92feet	N/A	N/A
US70E (To Benton)	1	US70E -1	34.059486	-94.474292			13	N/A	N/A	N/A	N/A
	2	US70E -2	34.046018	-94.253299	34.042117	-94.192257	3.7	N/A	N/A	N/A	N/A
	3	US70E -3	34.042512	-94.190529	34.133458	-94.017327	12.6	N/A	0.1mile	N/A	N/A
	4	US70E -4	34.135141	-94.016951	34.235703	-93.753759	18.7	N/A	0.1mile	N/A	N/A
	5	US70E -5	34.234567	-93.750794	34.250844	-93.64395	6.3	N/A	0.2mile	N/A	N/A
	6	US70E -6	34.25228	-93.641879	34.39508	-93.354549	21.3	N/A	0.3mile	N/A	N/A
	7	US70E -7	34.395969	-93.352025	34.442759	-93.240521	7.3	N/A	0.2mile	N/A	N/A
	8	US70E -8	34.443229	-93.238619	34.536441	-92.673322	37.3	N/A	0.1mile	N/A	N/A

6.3 Workstation Deliverables

The data collection for the highway sections in Arkansas are stored in two workstations, including two Dell desktop computers and four 32 inches monitors. The workstations were delivered to AHTD in October 2013. The inventory of the workstation components are documented in Appendix D.

6.4 Automated PaveVision3D Results

The collected data are analyzed using the automated distress analyzer 3D (ADA3D), and the following data items are reported in the Appendix E:

- IRI values in the left and right wheel path at every 0.1 miles;
- Rut depth in the left and right wheel path at every 0.1 miles. The rut depth is calculated based on the first profile of each 0.1-mile section;
- Detailed cracking data in the wheel-path and non-wheel-path zones at every 0.1 miles. Two values (total length in feet and average width in millimeters) are reported for each of the three distress types - longitudinal cracking, transverse cracking, and pattern (area) cracking. The definitions are based on the AASHTO draft cracking protocol PP67-10. In order to reduce the report values to a manageable size, the five zones defined in PP67-10 are summarized into two zones - wheel-path and non-wheel-path zones. As a result, for each 0.1 miles, 12 values are reported.
- MPD values in the left and right wheel path at every 0.1 miles;

It is noted that additional work are conducted. In the original proposal, only automated cracking detection is included. While in this project, rutting, IRI, and surface texture in term of MPD are provided.

For each indicator, the data are plotted at the interval of 0.1-mile and the histograms are provided. Example figures of MPD values for the AR100E pavement segment are demonstrated in Figure 6.1.

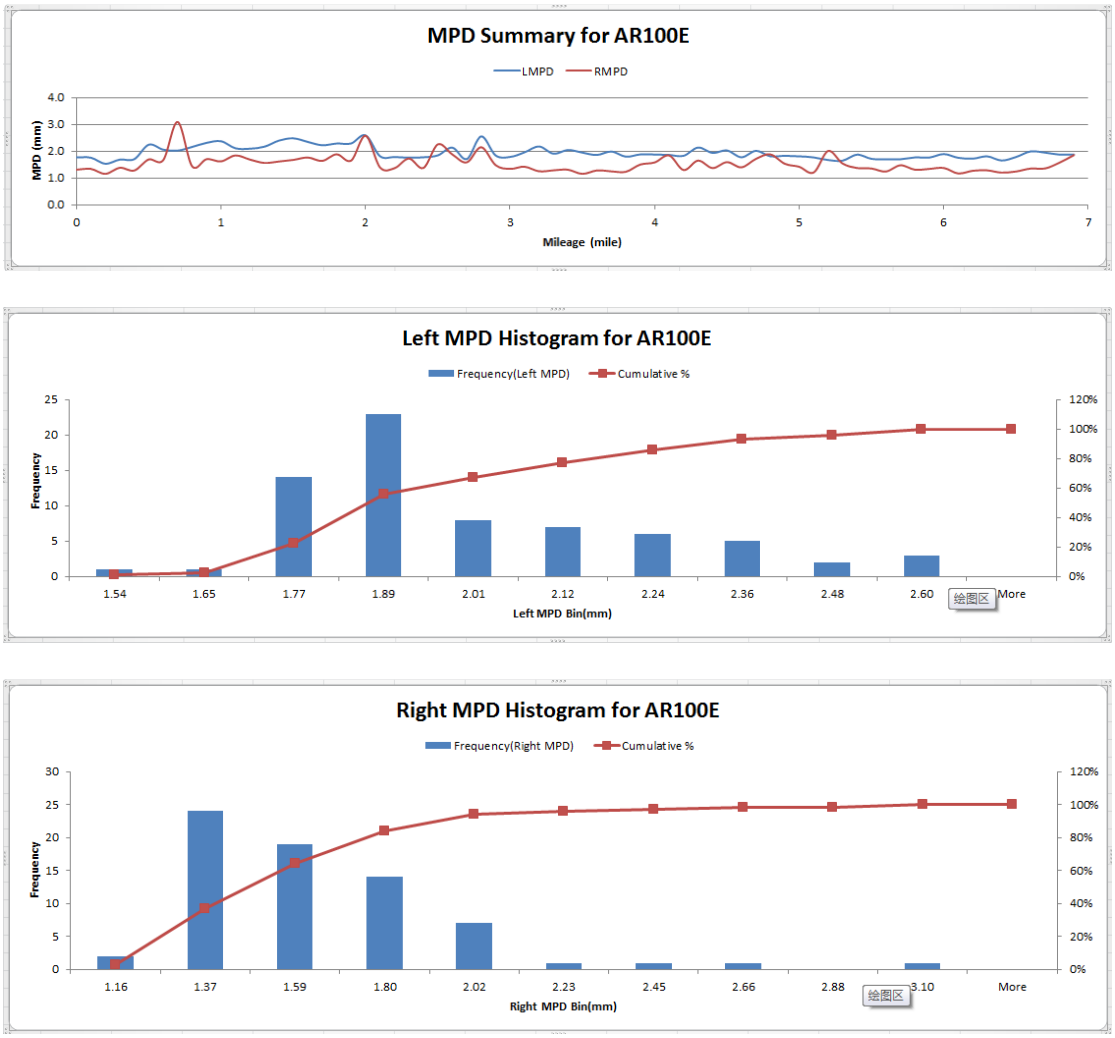


Figure 6.1 MPD values for the AR100E pavement segment

It is observed that some values may not be reasonable. The research team continues improving the software algorithms and the calculations of the indicators. Extensive comparison tests between PaveVision3D measurements and reference values have been conducted and will continue in the next year. It is anticipated that a robust automated analyzing software be delivered in 2014.

6.5 Other Applications of PaveVision3D Results

6.5.1 Pavement ME Design (DARWin-ME)

In Pavement ME Design (DARWin-ME), the following performance indicators for asphalt concrete pavement are predicted and monitored data are required for the local calibration process:

- **IRI**: IRI is derived from the simulation of a 'quarter-car" traveling along the longitudinal profile of the road and is calculated from the mean of the longitudinal profiles in each wheel path. In the Pavement ME Design, IRI is predicted empirically as a function of pavement distresses, site factors that represent the foundation's shrink/swell and frost heave capabilities, and an estimate of the IRI at the time of construction (the initial IRI). The pavement distress types that enter the IRI prediction are a function of the pavement or rehabilitation type under consideration. The unit of smoothness is inches per mile.
- **Alligator Cracking (Bottom-Up Cracking)**: Alligator cracks initially show up as multiple short, longitudinal or transverse cracks in the wheel path that become interconnected laterally with continued truck loadings. Alligator cracking is calculated as a percent of total lane area. The Pavement ME Design does not predict the severity of alligator cracking, but includes low, medium, and high in the definition.
- **Longitudinal Cracking (Top-Down Cracking)**: A form of fatigue or load related cracking that occurs within the wheel path and is defined as cracks parallel to the pavement centerline. The unit of longitudinal cracking

calculated by the Pavement ME Design is feet per mile. The Pavement ME Design does not predict severity of the longitudinal cracks, but includes low, medium, and high in the definition.

- **Reflective Cracking**: Fatigue cracks in HMA overlays of flexible pavements and of semi-rigid and composite pavements, plus transverse cracks that occur over transverse cracks and joints and cracks in jointed PCC pavements. The unit of reflective cracking is feet per mile. The MEPDG does not predict the severity of reflective cracks but includes low, medium, and high in the definition.
- **Rutting or Rut Depth**: A longitudinal surface depression in the wheel path resulting from plastic or permanent deformation in each pavement layer. The rut depth is representative of the maximum vertical difference in elevation between the transverse profile of the HMA surface and a wire-line across the lane width. The unit of rutting is inches (millimeters). The Pavement ME Design also computes the rut depths within the HMA, unbound aggregate layers, and foundation.
- **Transverse Cracking**: Non-wheel load related cracking that is predominately perpendicular to the pavement centerline and caused by low temperatures or thermal cycling. The unit of transverse cracking is feet per mile or spacing of transverse cracks in feet. The MEPDG does not predict the severity of transverse cracks but includes low, medium, and high in the definition.

It can be seen that PaveVision3D can provide the majority of the data that are required in the Pavement ME Design. IRI and rut depth in the wheel-path, longitudinal, transverse, and pattern cracking in both non-wheel-path and wheel-path are produced. During the process of local calibration of the Pavement ME Design, PaveVision3D data can be used as the major data collection sources with the following observations:

- IRI data from PaveVision3D Ultra system can be directly used for the local calibration of Pavement ME Design.
- Since PaveVision3D Ultra cannot differentiate where the cracks initiated, it is recommended that the local calibration refinement be confined to total cracking that combines alligator and longitudinal cracks in the wheel-path. As recommended in the AASHTO Local Calibration Guide (AASHTO 2012), to combine percent total lane area fatigue cracks with linear or longitudinal fatigue cracks, the total length of longitudinal cracks should be multiplied by 1-foot and that area divided by the total lane area. When combining alligator and longitudinal cracks, the alligator transfer function should be the one used in the local calibration process for determining the local calibration values.
- Because PaveVision3D Ultra data cannot confirm reflective cracks, it is recommended that the local calibration refinement be confined to total cracking of HMA overlays. In this case, all surface cracks in the wheel path (reflective, alligator, and longitudinal cracks) should be combined. If all cracks are combined, the alligator and reflection cracking transfer functions can be used in the local calibration process.

- Because PaveVision3D Ultra system only collects total rut depth on pavement surface, it is recommended that the calibration refinement be confined to the total rut depth predicted with the Pavement ME Design.

6.5.2 Highway Performance Monitoring Systems (HPMS)

The HPMS process is designed to be a cooperative effort between the States and FHWA. State Highway Agencies are primarily responsible for collecting the HPMS data and providing the following types of data to FHWA: Full Extent, Sample Panel, Summary, Estimates, and Metadata (FHWA 2010).

Within the context of the HPMS system, some data elements must be reported for their Full Extent (i.e. system-wide). The Full Extent network consists of the National Highway System (NHS) routes (including intermodal connectors) and all other roads, excluding those functionally classified as minor collectors in rural areas and local roads in any area. Within the extent of all Federal-aid eligible roads, a random selection of roadway sections is used to represent various attributes at a system-wide level for the purposes of assessing the performance and condition of the network. This process helps to reduce any burden that may be imposed on the States to perform data collection to meet their HPMS reporting requirements. These sections of the network are referred to as Sample Panel sections. Moreover, the Sample Panel sections are selected randomly and are intended to give a statistically valid representation of the State's road network. Due to the structure of the HPMS data model, the States are not required to extract the Sample Panel data items, as long as the data in their submittal covers the Sample Panel. States are encouraged to submit their entire dataset for each data item.

The data items listed in Table 1 are to be submitted by the States as part of the Sections dataset, which will be stored as a table in within FHWA's database:

- **Item Number** is the number assigned to each data item;
- **Data Item** identifies the type of attribute data to be reported;
- **Extent** indicates if the data item is required for the Full Extent (FE), Sample Panel (SP) sections, or the Full Extent and Ramp sections (FE+R).

Table 6.2 Data Items to be Reported for Pavement in HPMS (FHWA 2010)

Data Item Type	Item Number	Data Item	Extent	
Pavement	47	International Roughness Index (IRI)	FE*	SP*
	48	Present Serviceability Rating (PSR)		SP*
	49	Surface Type		SP
	50	Rutting		SP
	51	Faulting		SP
	52	Cracking Percent		SP
	53	Cracking Length		SP
	54	Year of Last Improvement		SP
	55	Year of Last Construction		SP
	56	Last Overlay Thickness		SP
	57	Thickness Rigid		SP
	58	Thickness Flexible		SP
	59	Base Type		SP
	60	Base Thickness		SP
	61	Climate Zone		SP
	62	Soil Type		SP
FE = Full Extent for all functional systems (including State and non-State roadways); FE* = Full Extent for some functional systems; SP = Sample Panel Sections; SP* = Some Sample Panel Sections.				

Based on the HPMS data requirements for pavement, PaveVision3D Ultra data collection can be used to prepare data items 47 (IRI), 50 (rutting), 51 (faulting), 52

(crack percentage), 53 (crack length) at full extent. Since PaveVision3D analyzing software, ADA3D, can generate indicator values for HPMS sample segments based on users input beginning and ending locations, the following observations are made when using PaveVision3D data to meet the HPMS reporting requirements:

- **Item 47**: IRI data from the PaveVision3D Ultra can be directly used for HPMS reporting.
- **Item 50**: Rut depth data rounded to the nearest 0.1 inch from the PaveVision3D Ultra can be directly used for HPMS reporting.
- **Item 51**: PaveVision3D Ultra can measure faulting for each joint between adjacent jointed concrete panels in the direction of travel. The average of faulting values can be used for HPMS reporting.
- **Item 52**: percent area with fatigue type cracking for all severity levels for AC pavements (in wheel path) and percent of slabs with cracking for PCC (jointed and continuous) pavements calculated from PaveVision3D Ultra data can be used to report Crack Percent for HPMS.
- **Item 53**: relative length in feet per mile (ft/mi) of transverse cracking for AC pavements and reflection transverse cracking for composite pavements calculated from PaveVision3D Ultra data can be used to report Crack Length for HPMS.

CHAPTER 7 CONCLUSIONS

This project provides rapid survey with automated cracking detection using PaveVision3D Ultra for approximately 1250 lane miles on nine major roadways of the National Highway System pavement network in Arkansas. The collected 1mm 3D data can provide highway agencies with automated evaluation of pavement surface including cracking, rutting, roughness, and pavement macro-texture for safety analysis.

Two AASHTO protocols, the AASHTO Designation PP67-10: *Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods* and the AASHTO Designation PP69-10: *Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles* are investigated to evaluate their effectiveness as procedures to process and report cracking and deformation data for pavement design and management purposes. The transverse deformation attributes are calculated per requirements of PP69-10 with 1mm 3D pavement surface data from sampled pavement sections. The statistics of these new attributes are presented and the relationships among the attributes and between traditional straightedge rut depth measurements are investigated.

Another important task completed for this project is to evaluate the quality of pavement surface cracking data derived based on AASHTO PP67-10 protocol using data collected from PaveVision3D Ultra system. Twenty 100-m segments are randomly selected from the network survey data sets. Per AASHTO 67-10 cracking data report requirements, manual cracking identification results are compared with the outputs from

the automated system, and statistical analysis are performed. Precision and bias between results from manual survey and automated survey are analyzed.

The application of 3D 1mm laser imaging technology for network survey is unprecedented. Even though continuous improvements in software development are required to generate more robust results, for the first time it opens opportunity to provide highway agencies with comprehensive pavement data that are consistent, accurate, and repeatable. It is anticipated that much more robust next generation ADA3D software program to be delivered in 2014 for AHTD applications.

REFERENCES

AASHTO (2010). *Guide for the Local Calibration of the Mechanistic-Empirical Pavement Design Guide*. American Association of State Highway and Transportation Officials, Washington, D.C.

AASTHO. (2013a). *Quantifying cracks in asphalt pavement surfaces from collected images utilizing automated methods*. AASHTO Designation PP67-10. Washington, D.C.

AASTHO. (2013b). *Standard practice for determining pavement deformation parameters and cross slope from collected transverse profiles*. AASHTO Designation: PP69-10. American Association of State Highway and Transportation Officials. Washington, D.C.

AASTHO. (2013c). *Standard practice for collecting the transverse pavement profile*. AASHTO Designation: PP70-10. American Association of State Highway and Transportation Officials. Washington, D.C.

AASHTO (2013d). *Collecting images of pavement surfaces for distress detection*. AASHTO Designation PP68-10. American Association of State Highway and Transportation Officials. Washington, D.C.

Antunes, M., Brittain, S., Kokot, D., La Torre, F., Leben, B., Litzka, J., Mladenovic, G., Viner, H., and Weninger-Vycudil, A. (2008). "COST Action 354: Performance indicators for road pavements." European Cooperation in the Field of Scientific and Technical Research, FSV-Austrian Transport Research Association, Vienna, Austria.

Bai, Y., Schrock, S., Mulinazzi, T., Hou, W., Liu, C., and Firman, U. (2009). "Estimating highway pavement damage costs attributed to truck traffic." Kansas University Transportation Research Institute, the University of Kansas, Lawrence, Kansas.

Breiman, L. (1984). "Classification and regression trees." Wadsworth International Group. 1984.

Breiman, L. (2001). Random forests. Machine Learning. 45 (1). pp. 5-32.

Conway, D., and White, J. (2012). "Machine learning for hackers." O'Reilly Media.

FHWA (2010). Highway Performance Monitoring System (HPMS). Federal Highway Administration, U.S. Department of Transportation, Washington, D.C.

Gary E. Elkins, Peter Schmalzer, Travis Thompson, and Amy Simpson (2003). *Information Management System Pavement Performance Database User Reference Guide* (FHWA-RD-03-088), MACTEC Engineering and Consulting, Inc. Beltsville, MD.

Haas, R., Hudson, W. R., and Zaniewski, J. P. (1994). "Modern pavement management." Krieger Publishing, Malabar, Fla.

Herr B., Calibration and Operation of Pavement Profile Scanners, RPUG, Lake Tahoe, 2001.

Herr B., PSI Current Technology Overview, white paper, July 11, 2009.

John S. Miller and William Y. Bellinger (2003). *Distress Identification Manual for the Long-Term Pavement Performance Project* (FHWA-RD-03-031), FHWA, Pavement Performance Division, McLean, VA.

Liaw, A. and Wiener, M. (2002). Classification and regression by randomForest." R News 2(3), pp. 18-22.

National Oceanic and Atmospheric Administration (NOAA). Lidar 101: An Introduction to Lidar Technology,. Data, and Applications. Coastal Services Center. Washington D.C., 2012

Rumelhart, D.E., McClelland, J.L., and the PDP Research Group. (1986). "Parallel distributed processing: explorations in the microstructure of cognition." Vol.1 and 2, MIT Press, Cambridge, Mass.

Simpson, A. (2001a). "Characterization of transverse profiles." FHWA-RD-01-024. Fugro-BRE, Inc. Austin, TX.

Simpson, A. (2001b). "Measurement of rut in asphalt pavements." Dissertation presented to University of Texas at Austin in partial fulfillment of the requirements for the degree of Doctor of Philosophy.

Simpson, A., and C.R. Copeland (2005). *Long-Term Pavement Performance Program Maintenance and Rehabilitation Data Collection Guide* (FHWA-HRT-06-068), FHWA, Pavement Performance Division, McLean, VA.

Venables, W. and Ripley, B. (2002). "Modern applied statistics with S." Fourth Edition. Springer, New York. 2002.

Wang K.C.P., Automated Pavement Distress Survey through Stereovision, NCHRP-IDEA Program Project Final Report, Washington, D.C., 2004.

APPDENDIX A PAVEVISION3D ULTRA AND DHDV USER GUIDE

3D Ultra

User Guide
PaveVision3D Ultra and DHDV



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Arkansas Highway and Transportation Department (AHTD)

WayLink Systems Corporation
USA
E-mail: kwang@waylink.com

2013

SOFTWARE INSTALLATION WARNING

No user or client is allowed to install any software that is not provided or installed by WayLink or WayLink agent/representative. Computer operational problems or damages due to user installed software or subsequent viruses are not responsibilities of WayLink or WayLink agent/representative. In case a software item has to be installed for the sole purpose of benefiting the operation of the DHDV and PaveVision3D related products, WayLink staff or WayLink agent/representative shall be contacted first in writing to approve such installation.

DISTRACTED DRIVER WARNING

It is strongly encouraged that the driver of the vehicle does not operate the system while driving using the front mounted monitor and keyboard. The front monitor and keyboard is intended to start the system prior to collection and stopping the system post collection. Any other use while driving the vehicle may cause the driver to become distracted and result in possible accident and/or injuries.

LASER WARNING

The two 2D/3D hybrid laser imaging sensors mounted at the back of the DHDV vehicle contain high power laser emitting devices. It is harmful to directly look into the laser windows when lasers are on. Extreme caution must be taken when the sensors are powered on, indicated by the red light on the sensor cases.

The materials in the manual are proprietary to WayLink and confidential.

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GLOSSARY

Term	*Full Name*	*System*	*Info*
AASHTO	American Association of State Highway and Transportation Officials	General Utility Software	Specialized U.S. based community offering transportation-related standards.
CI	Cracking Indicator	General Utility Software	World bank's Standard used to determine cracking severity in designated areas of road.
DMI	Distance Measuring Instrument	PSA	Component of PSA used to measure the distance traveled during a certain collection procedure.
DMICalibration	DMI Calibration Value	PSA	A constant used to determine the number of DMI pulses per unit length. This value can be calibrated as described in the ***DMI Testing and Calibration*** section.
GPS	Global Positioning Satellite receiver	PSA	Component of PSA used to give the longitude, latitude, and altitude of the vehicle.
MHIS-3D	Multimedia Highway Information System	General Utility software	Application designed to review collected databases.
PRIS-HD	Pavement Right-of-Way Imaging System		The subsystem responsible for acquiring pavement right-of-way images.
PSA	Positioning Systems Array		The subsystem responsible for providing positioning data sets to the rest of the subsystems
ROW	Right of Way	PRIS	A reference to the right of way imaging system, PRIS.
SI	International System of Units	General Utility Software	Global standard for quantifying measurements such as distances, weights, masses, etc… The system uses a deca-based scheme
SCANNER	Surface Condition Assessment of the National Network of Roads	General Utility Software	A pavement survey methodology developed in Europe.

INTRODUCTION

WayLink Systems Corporation (WayLink) is a U.S. based technology company specializing in automated roadway data collection and analysis for more than 20 years. The Digital Highway Data Vehicle (DHDV), developed by the WayLink Systems Corporation with collaborations from the University of Arkansas and the Oklahoma State University, is capable of conducting full lane data collection on roadways at highway speed up to 100 km/h (60mph) at 1mm resolution and process the data in real time. With high power line laser imaging system and customized optic filters, DHDV can work at highway speed during daytime and nighttime and maintain image quality and consistency. That means the images are shadow-free at any time of the day.

The subsystems of a DHDV vehicle includes one 8-core computer, a Waylink Power Chassis (WPC), a WayLink Control Chassis (WCC), a differential GPS receiver or Inertial Measuring Unit (IMU), a Distance Measuring Instrument (DMI), laser imaging sensors, AMES profiler. The exterior appearance of the DHDV is illustrated in **Figure 1-1**, and the DHDV subsystem overview shown in **Figure 1-2**. The user should note that this representation is not to scale and is used for illustration purposes only.

PaveVision3D is the latest imaging sensor technology that is able to acquire both 2D and 3D laser imaging data from pavement surface through two separate left and right sensors. Each sensor mounted at the back of the DHDV vehicle consists of four 3D high resolution cameras, one 2D high resolution camera, one high power 3D laser and one 2D laser. The camera and laser imaging principle is shown in **Figure 1-3**.

In addition, WayLink Systems Co. provides users with comprehensive software application interfaces for collecting and viewing pavement surface data sets at real-time. The data viewing application interface is named as Multimedia based Highway Information System (MHIS). MHIS provides user with the ability to review collected data sets to examine segments of road using an accessible user interface. MHIS is able to provide the user with detailed information for any section in the road. It has manual processing capability for distress survey.

The data analyzing software is called Automatic Data Analyzer (ADA). The ADA is able to detect the crack automatically for both asphalt and concrete pavement. It can provide detailed information for each crack in 3D and record it in DHDV database which can later be used to generate distress indices in MHIS interface.

This User's Manual describes in details the individual subsystems available in the DHDV, how to test and validate the operation of the subsystems, as well as how to use them to acquire real-time roadway data, analyzing and viewing collected data sets. The Manual is organized into four modules:

- Data Acquisition - Operating DHDV System;
- Analyzing Data - Automated Distress Analyzer (ADA);
- Viewing Data - Multimedia Highway Information System (MHIS);

- Appendices including cracking protocols, troubleshooting guide, and data collection pocket checklist.



Figure 1-1 DHDV Exterior Appearance



Figure 1-3 Imaging Sensor Principle



Figure 1-2 Generic DHDV Subsystem Overview

DATA ACQUISITION - OPERATING DHDV SYSTEM

Data Acquisition Subsystems

PaveVision3D

PaveVision3D is based on the WayLink's hybrid 2D/3D laser imaging system. The system is made up of ten high resolution cameras and four sets of lasers. PaveVision3D is capable of constructing 4096 x 2048 images of full-lane width pavement surface with complete and continuous coverage.

Figure 2-1 demonstrates the wiring of the cameras and lasers to the computer rack inside the vehicle. The drawing is not to scale. The cameras and lasers are powered by **WPC** and triggered by the **WCC**. The **WCC** connects to the **Control Computer**. The cameras are mounted on an aluminum alignment frame spaced equidistant from previous calibrated readings. The calibrated spacing of the cameras ensures four meter images. The height of the sensors has been specifically designed for cameras to accurate capture data within the laser illumination ranges.

The cameras and lasers reside inside two water-tight, aluminum containers, which are mounted on the external DHDV frame. **Figure 2-2** shows photo of a mounted laser and camera system on DHDV. The frame has been designed to withstand all dynamic and static loads incurred during normal driving conditions. Even though the instrument containers are dust-proof and water-tight, it is strongly recommended parking DHDV either indoors or under certain type of shelter in case of inclement weather.

The sensors should not be covered while the laser imaging system is in operation. The heat generated from the lasers will melt objects covering the laser and form a smoke film on the lens, which will degrade the performance of the imaging system, or even catch a fire.

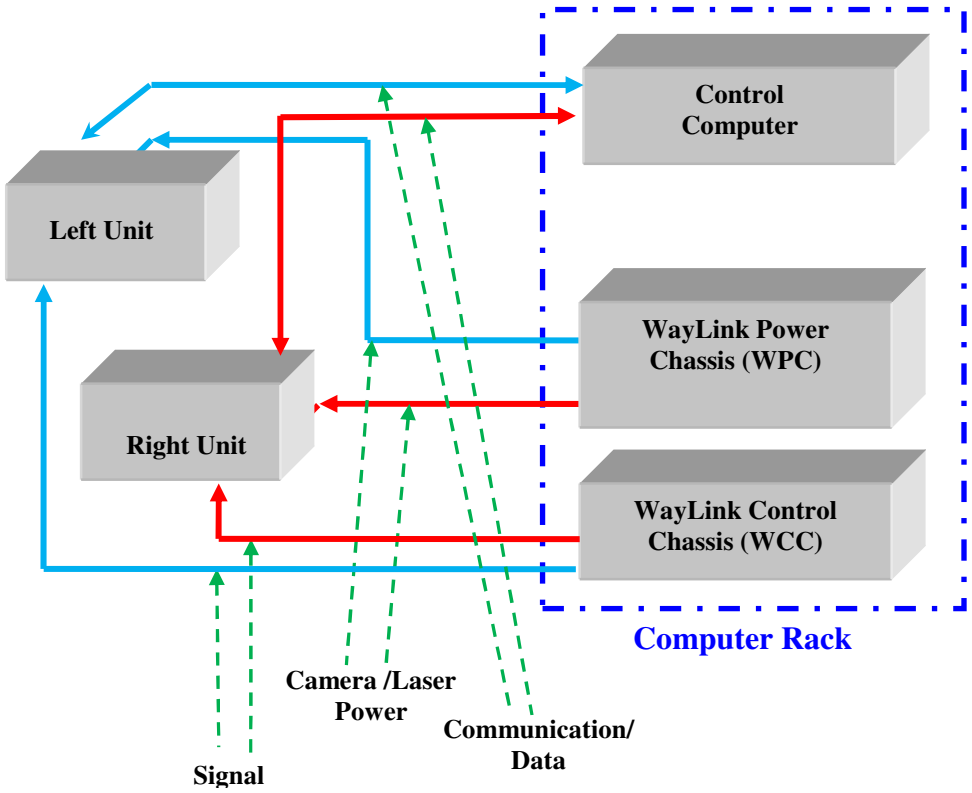


Figure 2-1 Line Scan Camera Wiring Diagram



Figure 2-2 Mounted Left and Right Sensor Cases

Positioning Systems Array (PSA)

WayLink installs an array of positioning systems in DHDV to accurately sense and record the vehicle's speed, bearing, location, and other general positioning data sets. This array consists of a dual-bearing, heavy duty, hollow-shafted Distance Measuring Instrument (DMI) and a differential GPS receiver/ antenna, or an Inertial Measuring Unit (IMU). These components make up the PSA subsystem.

Distance Measuring Instrument (DMI)

The DMI is mounted on the driver's side rear wheel's axis-of-rotation to measure distance and speed of the vehicle. **Figure 2-3** shows the DMI wiring to the interior of the vehicle. It is highly recommended that the user does not tamper with the DMI wiring unless under the direct supervision of an authorized WayLink representative. The pulse rate of the WayLink DMI speed encoder is 2048 pulses/revolution.

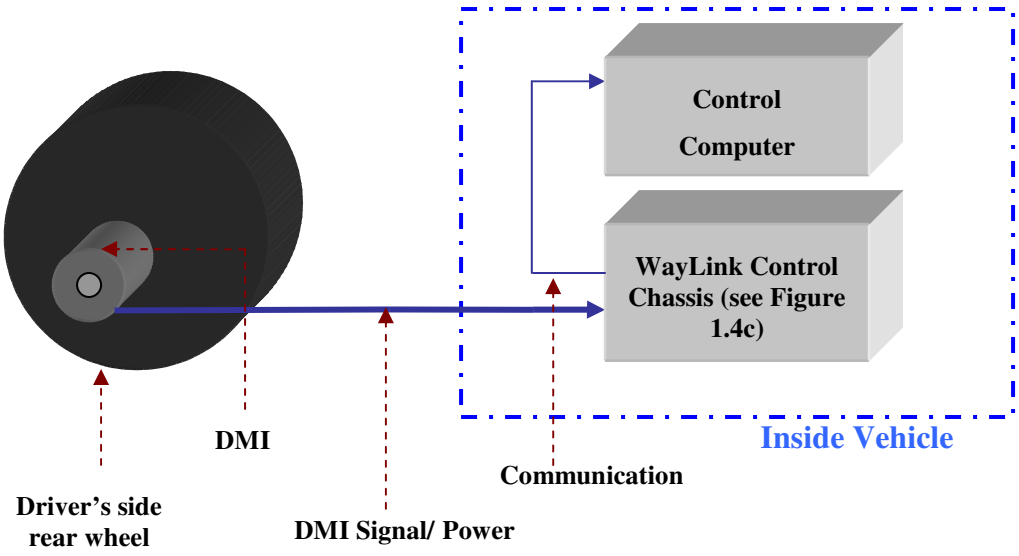


Figure 2-3 DMI Wiring Diagram

The DMI is mounted on a shaft that is directly mounted to the axle of the diver side-rear wheel of the vehicle. The support arm is mounted in the vertical position and is connected to the vehicle using an arm parallel to the ground. There is a pin connecting the two arms that is free to rotate with the vehicle suspension movement. This arm removes any clockwise or counter-clockwise rotation that may result in inaccurate readings. A photo of the DMI and its mounting harness is shown in **Figure 2-4.**



Figure2-4 Mounted DMI (Driver Side-Rear)

Before data collection, make sure the DMI is physically connected to the wheel, and to the back of the **WCC**. Drive the vehicle for a short, pre-measured distance, and note the change of the **Pulse**, **Speed**, and **Distance** on the **ControlPanel (Figure 2-17)**.

Calibrating of the DMI is highly recommended before data collection and thereafter every six months, or whenever if necessary.

- Mark a pre-known distance, such as 500 meters of straight, flat drive terrain.
- Position the vehicle at the beginning of the test strip.
- Right click on the grid left to DMI Calibration in **ControlPanel** (see **Figure 2-17**), select **Calibrate**, fill in the pre-known distance in the popped out DMI Calibration window (see **Figure 2-18**).
- Driver should inform the operator to **Reset** the pulse to 0 on the DMI calibration window before driving.
- Hit **Start** button when beginning to drive the vehicle.
- When the end of the test strip has been reached, hit **Stop**. Hit the **Go** button in the window to obtain the calibration value.
- The calibration value can also be changed manually by right clicking the grid left to DMI Calibration and select **Edit.**

For security and longevity purpose, the DMI is made to be easily removed. The procedure of removing the DMI is given as follows:

- First, disconnect the cable where the arm meets the van. On the van side of the connection, pull back the ring that locks the connector together and pull them apart.
- Next, remove the cotter pin that holds the arm to the van and slide the rod out of the hole.
- Using a hex wrench, place it into the hole in the middle of the DMI where a hex bolt is located. Loosen the bolt all the way and the DMI should slide off of the shaft. It is now ready to be stored inside the van until the next time.

GPS System Components

The GPS unit combines high-performance GPS reception with a DGPS-capable receiver in a single, lightweight, durable, waterproof housing. The GPS uses differential corrections to achieve sub-meter accuracy. The antenna is mounted on top of the vehicle. The receiver provides a refresh rate of 10Hz. **Figure 2-5** shows the GPS receiver wiring to the interior of the vehicle.

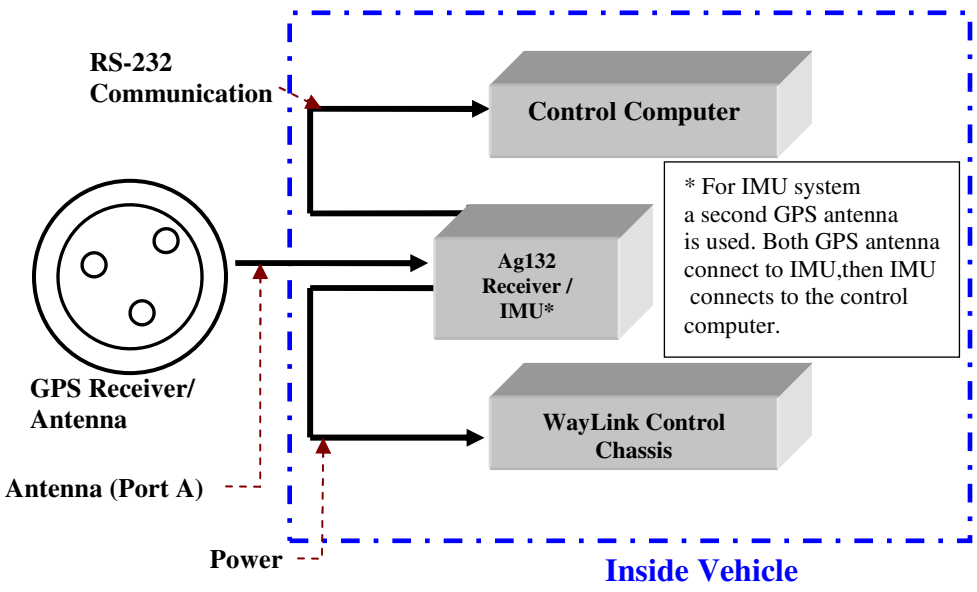


Figure 2-5 GPS Receiver/Antenna Wiring Diagram

Table 2-1 lists the settings for the AgGPS 132 receiver and the Trimble antennas in order to be compatible with WayLink capturing software. AgGPS 132 manual contains the procedures to navigate the following items using the corresponding menu.

Table 2-1 GPS Settings

Item	Description	Menu
Baud rate	115200	Home/Configuration/GPS configuration
Parity	8-Odd-1	Home/Configuration/GPS configuration
Port Input	TSIP	Home/Configuration/GPS configuration
Port Output	NMEA	Home/Configuration/GPS configuration
Port Position Rate	10 Hz	Home/Configuration/GPS configuration
NMEA1	GGA	Home/Configuration/Port A configuration
NMEA2	VTG	Home/Configuration/Port A configuration
NMEA out	ASAP	Home/Configuration/Port A configuration

Inertial Measuring Unit (IMU)

An inertial measurement unit, or IMU, is an electronic device that measures and reports on velocity, orientation, and gravitational forces, using a combination of accelerometers and gyroscopes, sometimes also magnetometers. IMUs are typically used to maneuver aircraft, including unmanned aerial vehicles (UAVs), among many others, and spacecraft, including satellites and landers. Recent developments allow for the production of IMU-enabled GPS devices. An IMU allows a GPS to work when GPS-signals are unavailable, such as in tunnels, inside buildings, or when electronic interference is present. IMUs are used in vehicle-installed

inertial guidance systems. IMUs work, in part, by detecting changes in pitch, roll, and yaw, as shown in **Figure 2-6**. The IMU can provide a refresh rate of 100Hz.

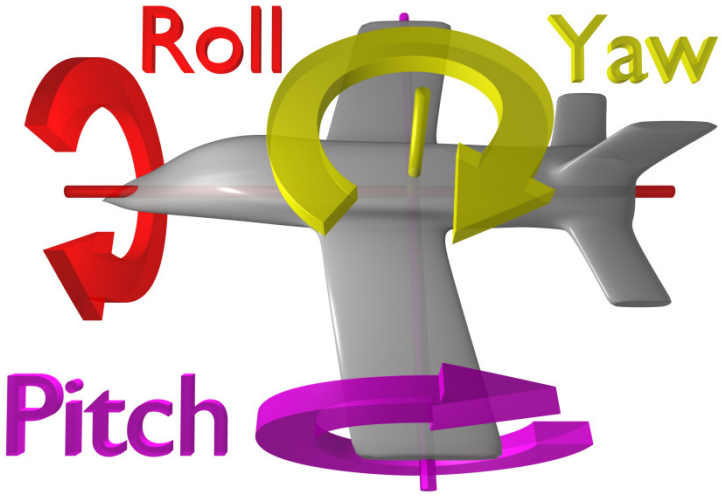


Figure 2-6 IMU Working Principle

The IMU PCS has two switches: Power and Logging (as shown in **Figure 2-7**). The Power switch controls the application of operating power to the PCS and illuminates the power button light when enabled. The Logging switch is used to start and stop removable media logging. To turn on IMU, press the **Power Button** for five seconds. The **Status Light** will flash yellow in the beginning. Wait until the light turns steady green for *navigate mode - normal system operation*. Steady green indicates that system meets accuracy limits set by user for position, velocity, attitude and heading. **Please make sure WPC is on before IMU is turned on because IMU requires DMI pulse signal.**

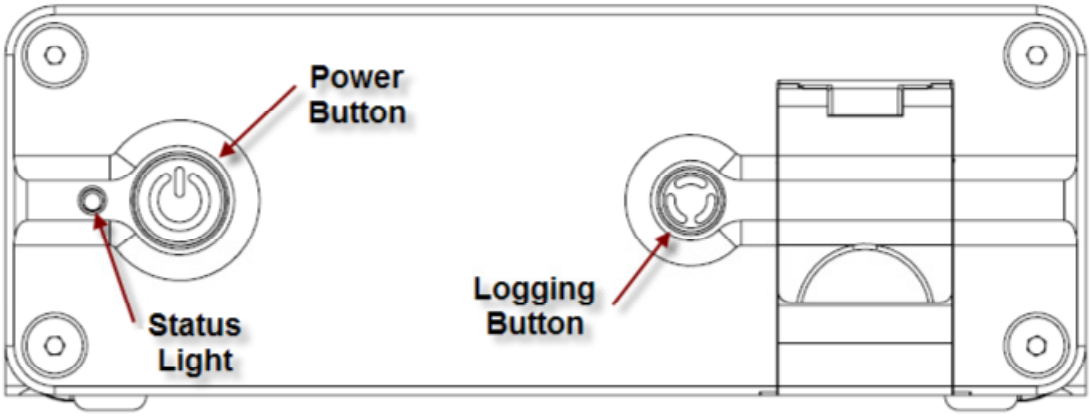


Figure 2-7 IMU PCS Switches and Indicators

When IMU is in navigation mode, open the IMU application software **LV-POSView**, as shown in **Figure 2-8**. Users can monitor or control the POS LV activities from the LV-POSView main screen. Users should refer to *IMU Users Guide* for more detailed information.

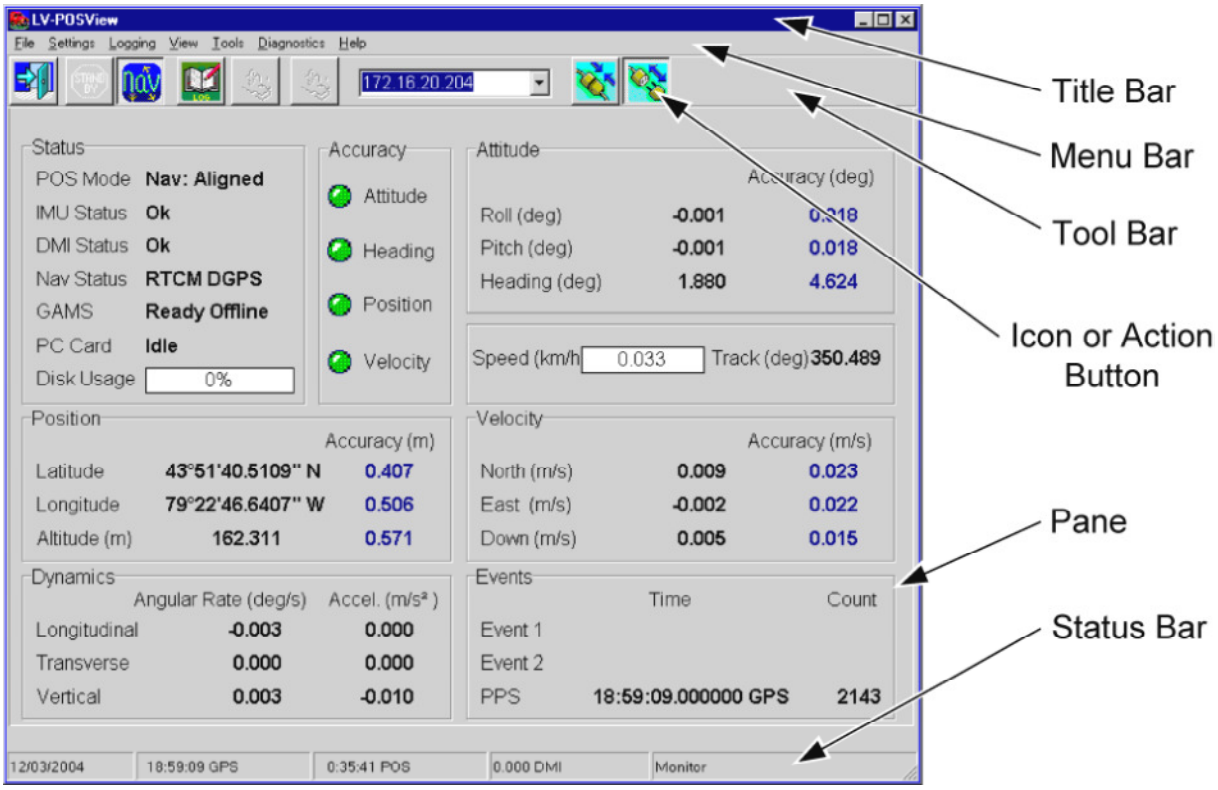


Figure 2-8 LV-POSView IMU Software Main Screen

Pavement Right of Way Imaging System HD (PRIS-HD)

Mounted inside the vehicle is a Panasonic HPX 170 camcorder used to capture high definition forward pavement right of way images. The collection of these images is incorporated into the operation of the collection software.

Figure 2-9 shows the mounted ROW camera(s). **Figure 2-10** shows the overall wiring of the camera to the interior of the vehicle. For multiple-camera ROW system, the cameras are mounted to a roof rack of the DHDV. For one-camera ROW system, the camera is installed inside the vehicle and behind the windshield. If more than one camera, all cables are running through a water tight seal in the roof of the vehicle.



Figure 2-9 Mounted Right of Way Camera

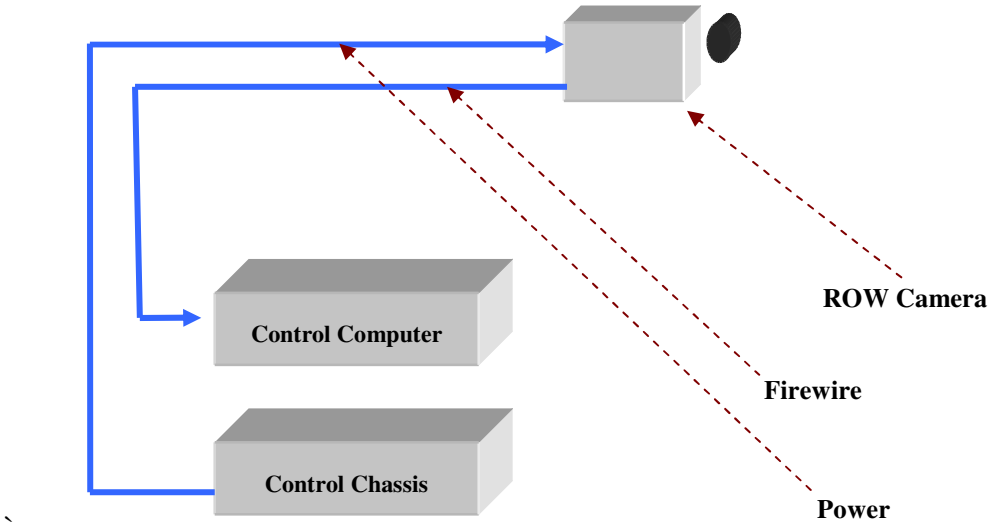


Figure 2-10 ROW Overall Wiring Diagram

The Panasonic HPX 170 camcorder should use the following default settings or otherwise factory setting as shown in **Table 2-2**, however the user may adjust the shutter speed for better image quality.

Table 2-2 The default setting for ROW camcorder

LCD Screen	Camera	
Camera Menu -> Recording Setup -> Rec Format -> 1080i/30p	Shutter Speed	1/1000
Camera Menu -> TCC -> Free Run	Filter	1/9
	Focus	A-Automatic
	Camera	P2

The ROW subsystem is controlled by the **ROWCapture** software. For information on how to test the ROW Camera, refer to the **ROWCapture** software section in **Data Acquisition Control Software** of this user's guide.

The HDTV based camcorders use automated focus for PRIS-HD. The vast majority of the time, the only manual adjustment that needs to be made for high quality images are the Natural Density (ND) Filter switch, located near the front of the camcorder, to accommodate various weather conditions.

To clean the camera, simply use a soft cloth and alcohol. Do not apply alcohol directly on the camera, instead apply a small amount to a soft cloth. This should be done with care, as disturbing the cameras could cause them to go out of focus or position.

AMES Engineering High Speed Profiler

DHDV system can be equipped with a dual-point high speed longitudinal profiler from Ames Engineering (**Figure 2-11**). The system is setup to operate simultaneously with the PaveVision3D system. The data collection between the two systems is synchronized.



Figure 2-11 AMES Longitudinal Profiler

During data collection, users should turn on the profiler laser first using provided remote key, then turn on the AMES Engineering firmware as shown in **Figure 2-12**. Wait for few seconds until the **Status** of lasers (ODS1 and ODS2 in **Figure 2-12**) turn green to establish communication between lasers and firmware. With established communication,

users can perform various activities, such as **Start** data collection, **Analyze** and **View** data sets, **Calibrate** and **Setup** the profiler.

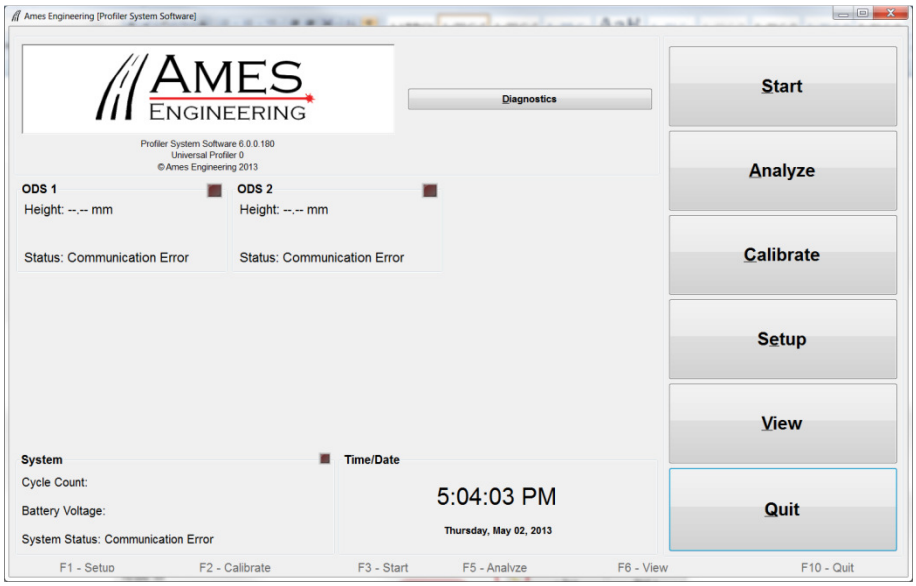


Figure 2-12 AMES Longitudinal Profiler

Click Start button in **Figure 2-12** to begin setting up data collection, users will need to input general information of the data collection, such as output file name, start and stop stations, header format etc, as shown in **Figure 16**. AMES firmware allows two types of data collection: **PENDANT** and **DISTANCE**. For **PENDANT** mode, users can collect data continuously; while for **DISTANCE** mode, the system will collect data only for specified distance and automatically stop data collection when it reaches the distance. Users can also opt to collect profile only, texture data only, or both by selecting/unselecting the check marks as shown in **Figure 2-13**.

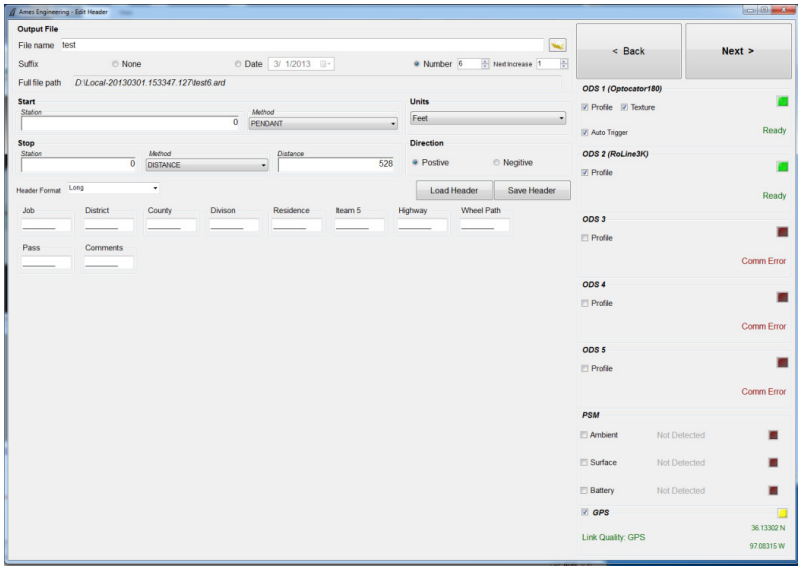


Figure 2-13 AMES Longitudinal Profiler

After the data collection is set up, click **Next** in **Figure 2-13** and it will be directed to **Figure 2-14**. AMES system provides users with various options, such as **AutoTrigger (F5)** or manually **Start** (F3), to start data collection. If **ControlPanel**, **PaveVision3D**, **ROW** software applications are set properly, starting collection data using AMES firmware can automatically start DHDV 3D, 2D, ROW data collection since the two systems are synchronized and can work together simultaneously. More details will be provided in the **Data Acquisition Control Software** section.



Figure 2-14 AMES Longitudinal Profiler

Control Computer and Chassis

The WayLink DHDV control computer is equipped with Intel Core i7 3930K CPU, running @ 3.20 GHz, 16GB Memory. The software to control data acquisition, to view collected data and to analyze data is preinstalled on the computer system. In addition, two chassis, one WayLink Power Chassis (WPC) and one WayLink Control Chassis (WCC) are included. The flowchart and physical appearance of the control computer and WayLink chassis are shown in **Figure 2-15** and **Figure 2-16** respectively.

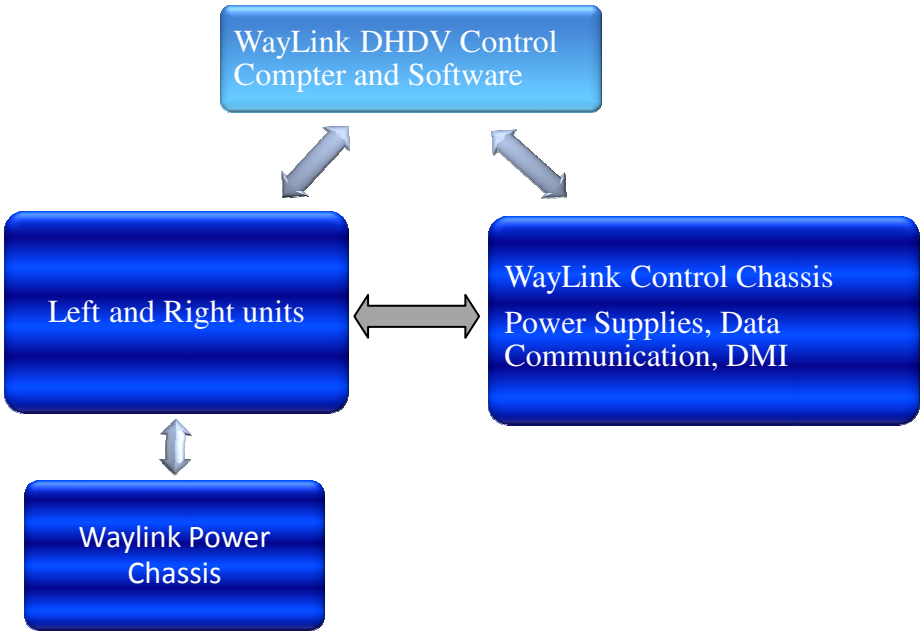
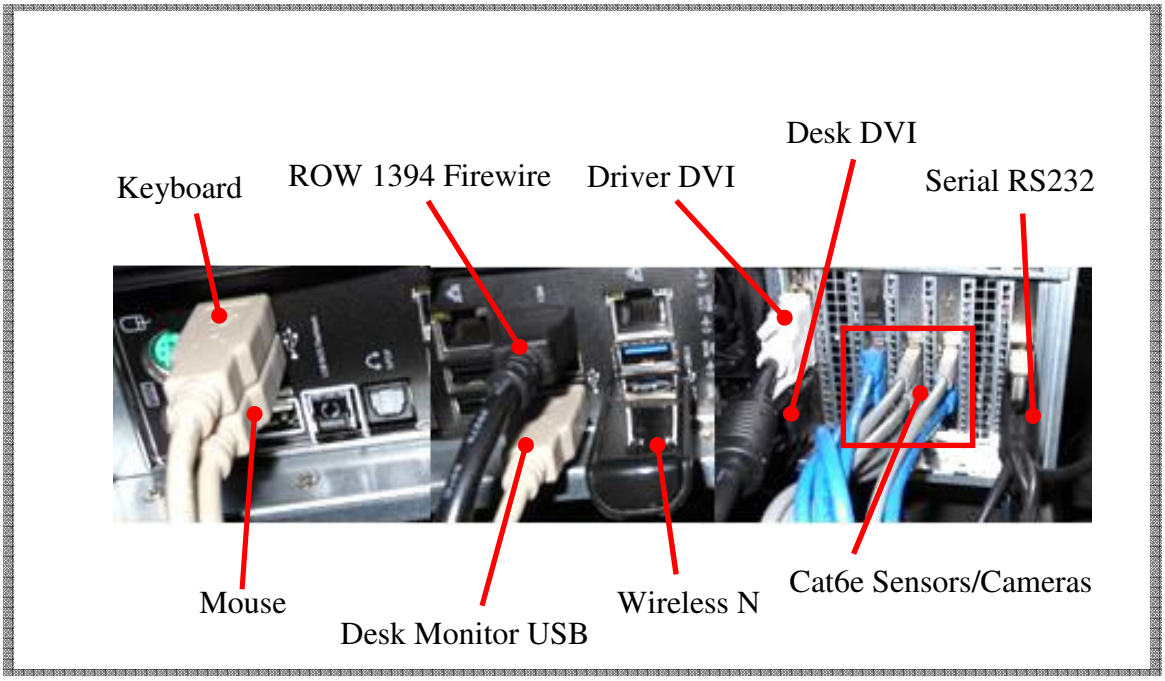


Figure 2-15 Computer Organization and Communication



(a) WayLink Control Computer



(b) Control Computer Back Panel Connections



(c) WayLink Control Chassis



(d) WayLink Power Chassis

Figure 2-16 Control Computer and Chassis

Data Acquisition Control Software

The data acquisition control software includes "**ControlPanel**", "**Pavement2DCapture**", "**Pavement3DCapture**" and ″**ROWCapture**". **ControlPanel** is a WayLink software suite that coordinates the actions of hardware-dependent software applications. It is responsible for sending PSA information (DMI and GPS) to software applications, as needed. It provides the user with an interface to monitor and operate the data collection. **Pvmt2DCapture** is part of the independent 2D Laser Imaging Sub-System, and it is a software tool for 2D data acquisition. **Pvmt3DCapture** is part of the independent 3D Laser Imaging Sub-System, and it is a software tool for 3D data acquisition. **ROWCapture** provides the user with an interface to monitor the Right-of-Way images capturing from the **PRIS-HD** system.

ControlPanel

ControlPanel is the primary data acquisition application, it controls and coordinates all software applications and hardware. It also coordinates the power supply, the communication, information flows, as well as database creation and population among computers. **Figure 2-17** is a screenshot of **ControlPanel** and **Figure 2-18** the DMI calibration window.

ControlPanel contains the **Hardware Information Frame**, **General Information Frame**, **Communication Frame**, **Hotkey Frame**, and **ADA Manager**.

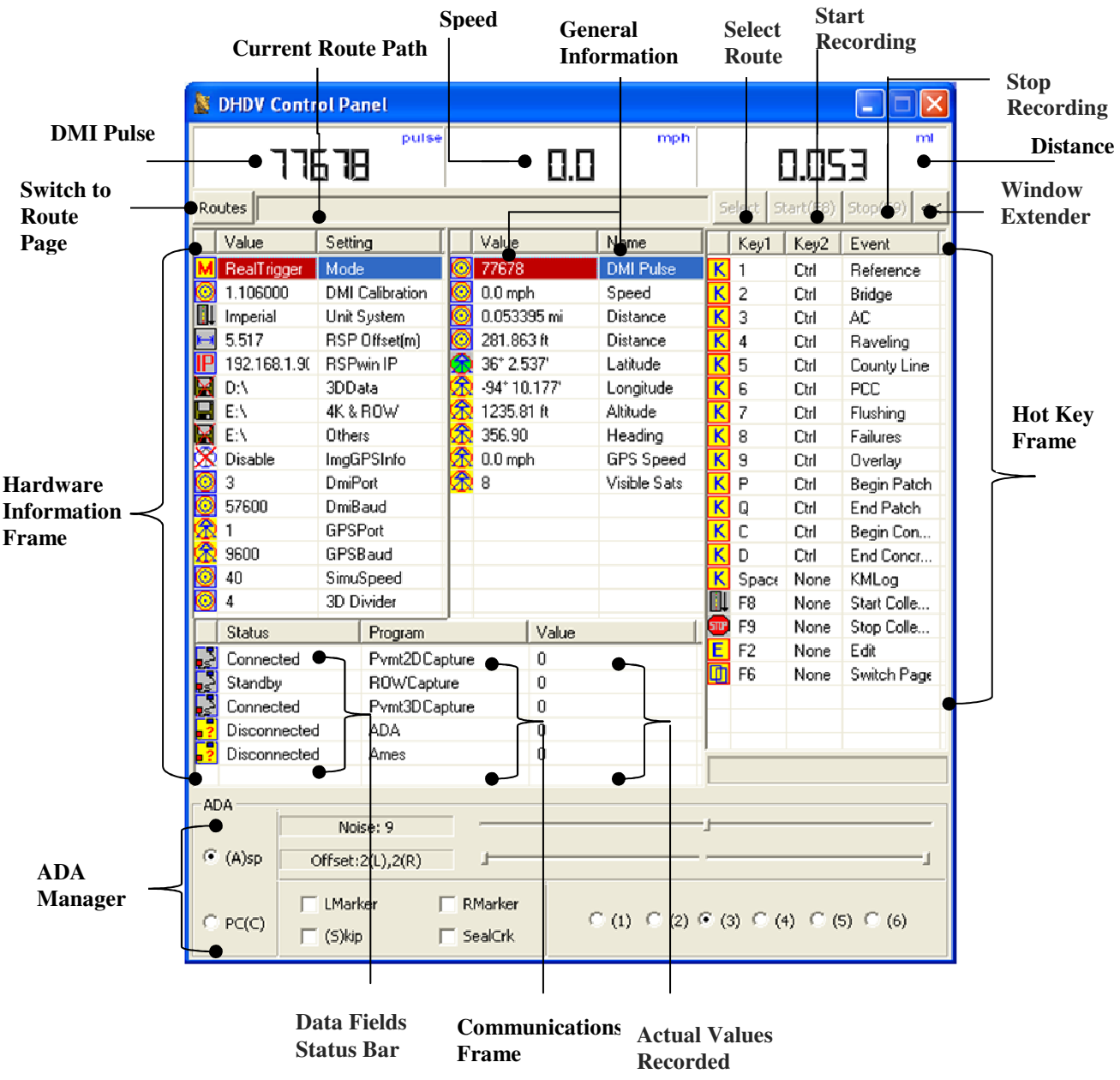


Figure 2-17 ControlPanel Data Page



Figure 2-18 DMI Calibration

Hardware Information Frame

DMI Calibration: Displays current DMI calibration value. Right-clicking on this field and selecting **Calibrate** allows the user to calibrate the DMI ratio (**Figure 2-18**). Right-clicking on this field and selecting **Edit** allows the user to manually edit the DMI calibration value (see **Calibrating the DMI**).

RealTrigger: Receives DMI pulse while the vehicle is driving. This mode can be used for data collection as well as testing.

SimuTrigger: Simulate the DMI pulse while the vehicle is still. This mode is for testing purpose only.

.

Unit System: Shows the current display unit system. Choices are imperial or metric unit systems. Right clicking on the value cell gives the user an option for **Imperial** or **Metric**. This option only changes the display for the **General Information Frame**. All recorded data will be in **Metric**.

RSP Offset: Shows the offset between the WayLink coordinate starting point Dynatest RSP coordinate starting point.

RSPwin IP: Shows the IP address where the RSPwin is installed. Right clicking to edit the cell.

Backup Disk: To keep the data safe, the collection data can be saved to three disks simultaneously. Right clicking on the left grid to select the backup disk. Right clicking on the right grid to enable or disable this feature. The work disk is C:\ by default.

3D Data: Location where 3D images are stored.

4Kimg: Location where 2D images are stored.

ROWimg: Location where ROW images are stored

ImgGPSInfo: Specially provides image-GPS tables for special users who need it. Right click on the grid to enable/disable the feature.

DmiPort: Sets the serial port for DMI.

DmiBaud: Sets the frequency for DMI port.

GPSPort: Sets the serial port for GPS

GPSBaud: Sets the frequency for DMI port.

SimuSpeed: Simulation speed.

3D Divider: Allows for faster data collection. Resolution quality is dependent upon this value. Value = 1, best resolution with a maximum data acquisition speed of less than 10 MPH. Value = 4, good resolution with a maximum data acquisition speed of less than 60 mph.

General Information Frame

DMI Pulse: Shows the current number of DMI pulses. Right click this field to reset the DMI counter to zero.

Speed: Shows the current speed calculated from DMI pulse.

Distance: Shows the current distance in kilometers or miles.

Distance: Shows the current distance in meter or ft.

Latitude: Shows the current latitude reading from the GPS subsystem in degrees/minutes.

Longitude: Shows the current longitude reading from the GPS subsystem in degrees/minutes.

Altitude: Shows the current altitude reading from the GPS subsystem in meters or feet.

Heading: Shows the current direction of travel from the GPS subsystem in degrees.

GPS Speed: Shows the current vehicle velocity as calculated by the GPS subsystem.

Visible Sats: Shows the number of current visible satellites from the GPS subsystem.

Communication Frame

Status: Shows current status of other applications.

- **Capturing:** The data capturing is in progress.
- **Standby:** The communication between **ControlPanel** and the program is built up. Further preparation work (such as selecting a route) might be needed before starting capturing.
- **Ready:** The program is ready to start capturing.
- **Connected:** The communication between the **ControlPanel** and the program is connected.
- **Disconnected:** The communication between the **ControlPanel** and the program is disconnected.

Program: Displays programs currently integrated.

Value: Actual values taken by the Communications Frame.

Hot-Key Frame

The hot keys are used to add an event marker during data acquisition. The markers will be recorded in the database. Some hot keys are used to assist the automated distress detection. Adding event markers should be a collaborative process between the driver and the operator. Typically, the driver alerts the operator when heading towards the indicated markers. Therefore, both the driver and the operator need to know the possible events.

Note: In order to save an event marker, the **ControlPanel** must be the focused application. This is done by simply clicking somewhere inside the **ControlPanel** Data Page, and then hitting the hot key.

Reference: This marker is used to add a manual reference to the Events table for the user. Hotkey: **CTRL+1**

Bridge: This marker is used to note a bridge on the current route. Hotkey: **CTRL+2**

AC: This marker is used to note AC (Asphalt Concrete) on the current route. Hotkey: **CTRL+3**

Raveling: This marker is used to note Raveling on the current route. Hotkey: **CTRL+4**

CountyLine: This marker should be used when crossing a county line. It is for reference only. Hotkey: **CTRL+5**

PCC: This marker is used to note PCC (Portland Cement Concrete) on the current route. Hotkey: **CTRL+6**

Flushing: This marker is used to note Flushing on the current route. Hotkey: **CTRL+7**

Failures: This marker is used to note Failures on the current route. Hotkey: **CTRL+8**

Overlay: This marker is used to mark Overlays on the current around. Hotkey: **CTRL+9**

BeginPatch: This marker should be used when entering a patched section of pavement. Hotkey: **CTRL+P**

EndPatch: This marker should be used when leaving the patched section. Hotkey: **CTRL+Q**

BeginConcrete: This marker should be used when pavement changes from asphalt to concrete. Hotkey: **CTRL+C**

EndConcrete: This marker should be used when pavement changes from concrete to asphalt. Hotkey: **CTRL+D**

KMLog: Needed to mark for the KMinfo.

Select: Select the current route.

Start: To start data collection, press **F8**

Stop: To stop data collection, press **F9.**

Edit: To edit fields on the route page, press **F2.**

SwitchPage: To switch between the Route and Data page, press **F6.**

Window Extender: To extend the window for PCI survey routing.

ADA Manager

ADA manager is embedded at the bottom of **ControlPanel** to assist the running of **ADA** in realtime. The usage of the **ADA Manager** can be referred to *Analyzing Data - Automated Distress Analyzer (ADA).*

Creating or Opening A Route

Upon clicking the **Routes** button on the Data Page (**Figure -17**), the Route page will appear (**Figure 2-19**). The user can also switch between these views by pressing **F6. Figure 2-19** is a screenshot of the **Route Information** frame. This frame displays available information about the selected route. To edit any of the text fields, the user should highlight the desired field, and press **F2.**

WayLink Systems allows the user to organize groups of routes into a single project file called **Route Information File**. This file carries the extension **.rls**. Use the **CreatePrj** button (**Figure 2-19**) to create a new project file. This will create a project file with empty route list,

to which the user can add new routes (see **Adding Routes**). To open an existing project file, use the **OpenPrj** button. After selecting a **.rls** file, the route list is populated with all the routes found in the project.

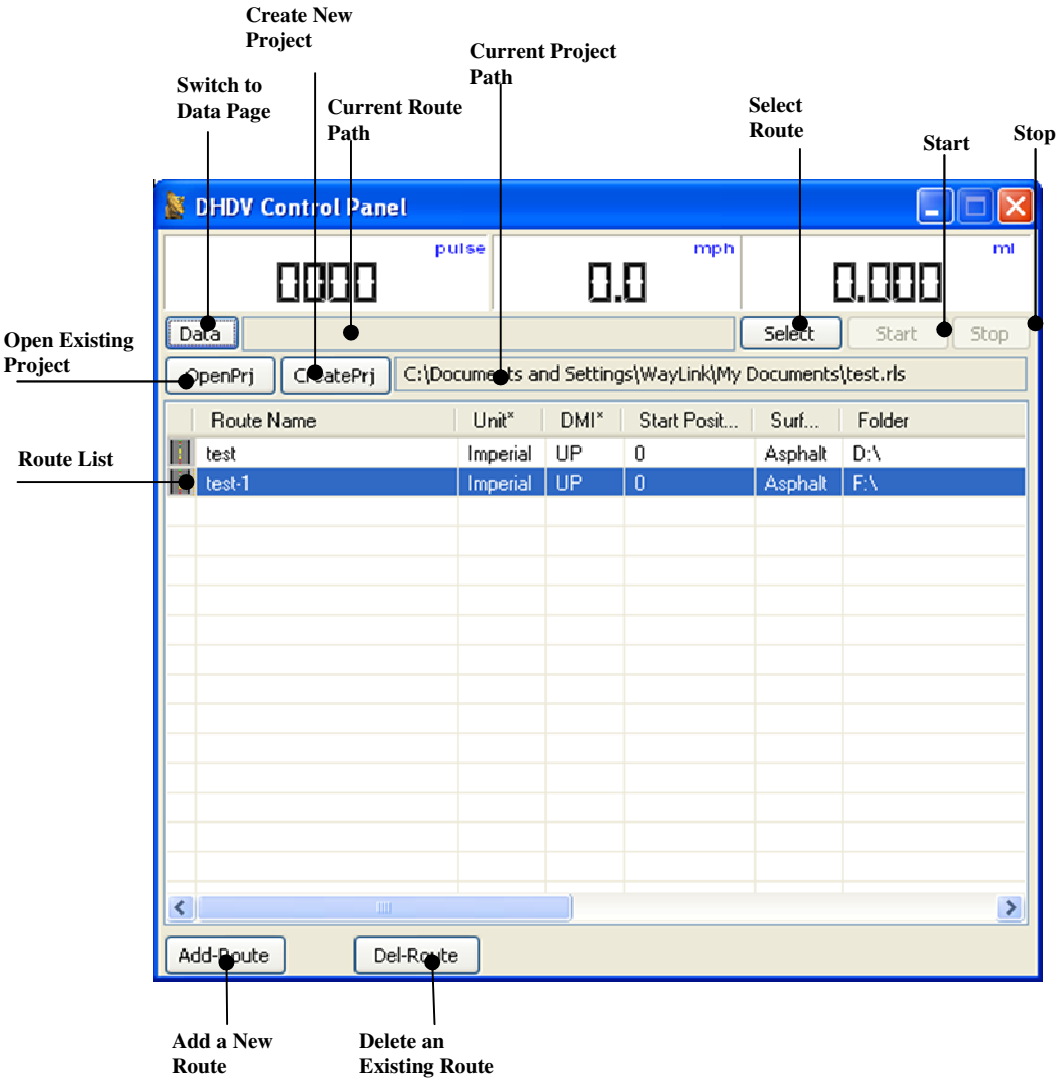


Figure 2-19 ControlPanel Route Page

Upon creating or opening a **Route Information File** (**.rls**), this list displays all the routes housed in that project. To arrange the route list in alphabetic order, the user can click on the tab at the top border of the **Route List** frame (**Figure 2-20**). To select a single route, the user must highlight it and click **Select**. Click **Add-Route** or **Del-Route** to add or delete a route. To perform a **Del_Route** operation on multiple routes, the user can hold the **Ctrl** key and select multiple routes.

It should be noted that highlighting multiple routes, and pressing **Select**, only sets the last selected route as the active route.

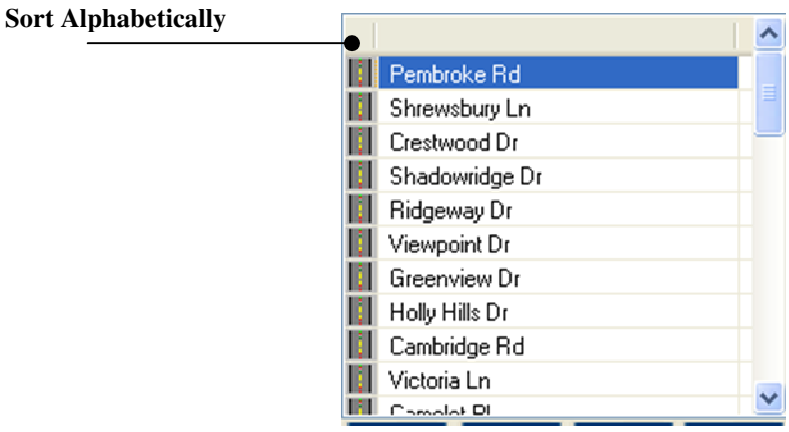


Figure 2-20 Route List Frame

Below is a description of the fields, the field with a * can be right clicked and show a pull-up list:

Route Name: Name of the road being surveyed. To edit the field, hit **F2**

Unit: Unit for start and end position.

DMI: Determines whether the DMI Counter moves up or down. Default setting is Up. To edit the field, hit **F2** or **right click**.

Start Position: Determines the initial value for the DMI Distance. Default setting is zero. To edit the field, hit **F2**.

Surface: Type of pavement being surveyed. To edit the field, hit **F2** or **right click** to select from the list.

Folder: The base directory in which the route will be saved. This directory must exist or you will not be able to select the route. Once the route is selected, a subfolder with the timestamp and route name will be created in this directory. To edit the field, hit **F2.**

City: Name of the city being surveyed. To edit the field, hit **F2.**

County: Name of county being surveyed. To edit the field, hit **F2**.

State: Name of state being surveyed. To edit the field, hit **F2**.

Operator: Name of the employee surveying. To edit the field, hit **F2**

Weather: Current weather conditions. Used for reference only. To edit the field, hit **F2**.

Comment: Optional field for any additional comments about the route.

Routes: Returns to the Data Page.

Select: Sets the highlighted route as the active route.

Start: Begins data collection for the selected route.

Stop: Ends data collection for the selected route.

OpenPrj: Opens an existing Route Information File.

CreatePrj: Creates a new Route Information File.

Del-Route: Deletes the selected route from the list. Hotkey: **CTRL+DELETE**

Add-Route: Adds a new route to the list. Default values for this route will be taken from the last route in the existing list. Hotkey: **CTRL+INSERT**

Current Project Path: This field shows the full path where the **Route Information File** is being stored.

Data Acquisition

After a user selects a route, the user must ensure that the WayLink Control Chassis is set to **RealTrigger** mode, and the title bar on all the remote programs displays the **[Ready]** message. This **Ready Status** must be achieved before pressing the **Start** button on the **ControlPanel**.

The operator should instruct the driver to position the vehicle at the beginning of the route. Hitting the **Start** button initiates the data collection process. This is indicated by a **[Recording]** message on the **ControlPanel** application title bar. A **[Capturing]** message is displayed on the individual system title bars. Once the driver notifies the operator about the end of the road, the operator should hit the **Stop** button. The **Stop** button removes the **[Recording]** message from the **ControlPanel** application title bar and the **[Capturing]** message from the other title bars.

Pavement2DCapture

Pvmt2DCapture is part of the independent 2D Laser Imaging Sub-System, and it is a software tool for 2D data acquisition. **Pvmt2DCapture** is capable of monitoring pavement images in real time during day time and night time. **Figure 2-21** for a screenshot of **Pvmt2DCapture.**

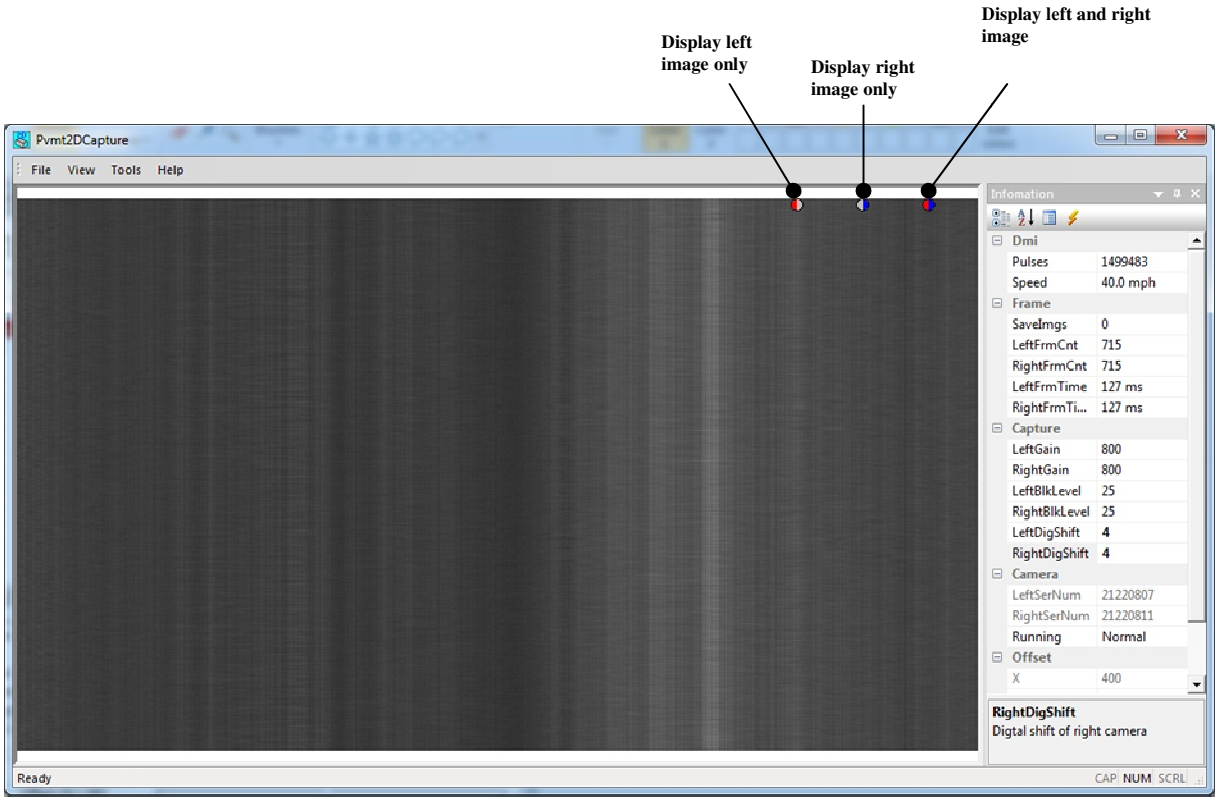


Figure 2-21 Pavement 2D Capture

Menus

File Menu

- **Exit:** Closes the application

View Menu:

- **Toolbar and Docking Windows:** Enables or disables Information Tab.
- **Status Bar**: Enables or disables the status bar.
- **Application Look:** Allows viewing information in different formats.
- **Update View:** Updates image. Press **F10** for shortcut

Tools Menu:

- **Edit Serial:** Allows serial information editing.
- **Adjust Offset:** Allows offset editing.
- **Load Sharing File:** Uploads the setting parameters for the camera (Saved parameters during software calibration).
- **Calibrate:** Generates the setting parameters used for the Load Sharing File

Help Menu

- **About:** Display software information.

Information Tab

DMI:

- **Pulses:** Amount of pulses.
- **Speed:** Vehicle speed measured by the DMI**.**

Frame:

- **SaveImgs:** Amount of images saved**.**
- **LeftFrmCnt:** Left frame count**.**
- **RightFrmCnt:** Right frame count**.**
- **LeftFrmTime:** Left frame time**.**
- **RightFrmTime:** Right frame time**.**

Capture:

- **LeftGain:** Left adjustable gain to meet optimum gray value.
- **RightGain:** Right adjustable gain to meet optimum gray value.
- **LeftBlkLevel:** Left black level.
- **RightBlkLevel:** Rigth black level.
- **LeftDigShift:** Left digital shift.
- **RightDig Shift:** Right digital shift.

Camera:

- **LeftSerNum:** Displays serial number for left camera**.**
- **RightSerNum:** Displays serial number for right camera**.**
- **Running:** Displays current tasks for the cameras**.**

Offset:

- **X:** Aligns left and right images in the X direction.
- **Y:** Aligns left and right images in the Y direction.

Software Usage

The following section describes the general operation and testing of the **Pvmt2DCapture** software only. For complete description on how to collect data, refer to *Data Collection Procedure*.

To power the **PaveVision2D** the user must follow the steps listed below:

- Turn on the main power for DHDV.
- Turn on **Control Computer**.
- Launch the **ControlPanel.**
- Turn on the **WCC** and **WPC.**
- Launch the **Pvmt2DCapture** program.

After turning on the **WPC**, please wait 5-10 seconds before turning on **Pvmt2DCapture** and **Pvmt3DCapture** program. If you start **Pvmt2DCapture** and **Pvmt3DCapture** too early, you may receive an error. The user will notice the **[initializing]** message in the center of the **Pvmt2DCapture** and **Pvmt3DCapture** display. During this time, **PaveVision3D** is being initialized, and should be operational within a few seconds. After the **[initializing]** message has disappeared, the user has either the option to test the **PaveVision3D** subsystem independently, or to collect data.

Simulate Mode

To test the PaveVision3D without driving the vehicle, the user should change the trigger Mode on **ControlPanel** from **RealTrigger** to **SimuTrigger** (**Figure 2-17**). This will allow the PaveVision3D program to capture images while the vehicle is stationary. These images will not be an accurate representation of the pavement surface since the cameras are scanning the same line repeatedly.

Camera Calibration

To calibrate **Pvmt2DCapture**, click on **Calibration** under the **Information Window** (**Figure 2-21**)**.** This will generate setting parameters to input into the **Calibration Window** (**Figure 2-22**). To display the **Calibration Window** go to the **Tools Menu** and select **Calibrate.** Select the **Left** or **Right** camera. Enter the generated setting parameter into the value area of the **Calibration Window.** Click the **check** button to verify the values. The software will **Calibrate** if the values pass.

Note: Anyway button is for testing purposes only and should not be used when taking actual data.

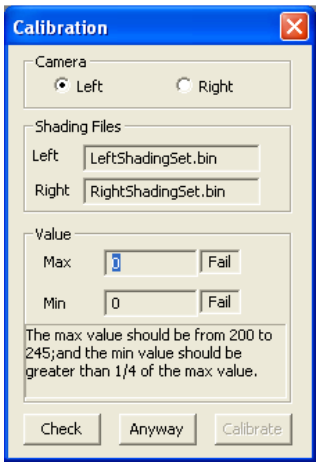


Figure 2-22 Calibration Window

To calibrate the image offset the user will have to go to **Tools Menu** then **Adjust Offset.** This will allow the user to change the offset values on the **Information Window** (**Figure 2-21**)**.** Before you make any adjustments the user will need to find an object that is displayed right through the middle of both left and right images. For example, a manhole split by the left and right images through the middle will allow the user to see if the image is aligned. If the image is not aligned then enter values on the offset window until the manhole is aligned on both images.

Pavement3DCapture

Pvmt3DCapture is part of the independent 3D Laser Imaging Sub-System, and it is a software tool for 3D data acquisition. **Pvmt3DCapture** provides the user with an interface to monitor pavement images in real time in day time and night time. **Figure 2-22** for a screenshot of **Pvmt3DCapture.**

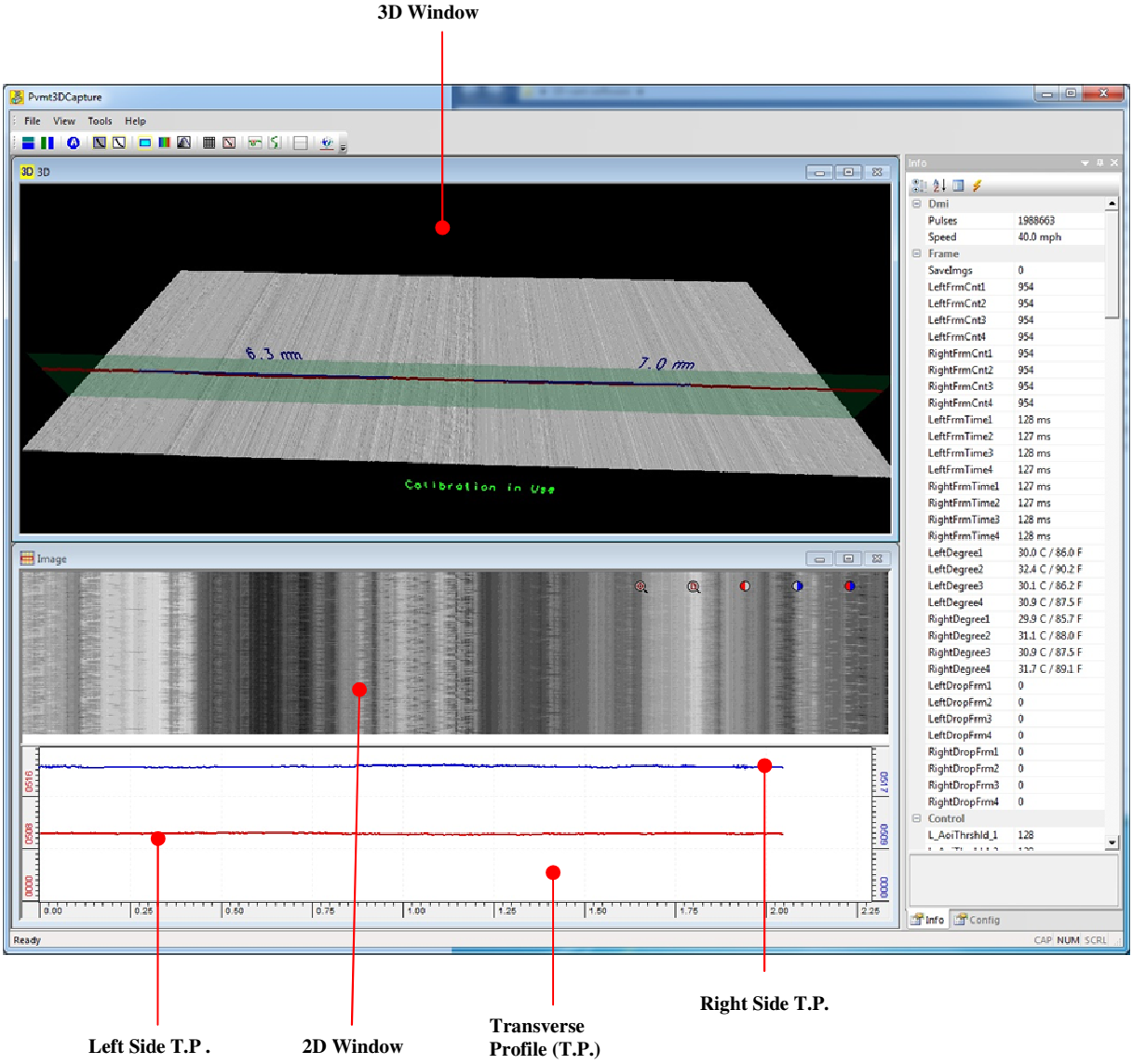


Figure 2-22 Pavement 3D Capture

Menus

File Menu

- **Exit:** Closes the application

View Menu:

- **Toolbar and Docking Windows:** Enables or disables Information Tab and toolbar options.
- **Status Bar**: Enables or disables the status bar.
- **Application Look:** Allows viewing information in different formats.

Tools Menu:

- **EditConfigParas:** Enables/Disables editing on the configuration tab. Press **F10** for shortcut.
- **Switch Cameras:** Switches camera side.
- **EditDeviceID:** Allows device ID editing
- **Adjust Offset:** Allows offset editing.

Help Menu

- **About:** Display software information.

Icon Toolbar (**Figure 2-23**)

Gray Display: Shows a solid gray display.

Tile Rotation1: Rotates the windows horizontally.

Tile Rotation2: Rotates the windows vertically.

Config Tab: Activates parameter configuration tab.

Crack Map: Shows a solid white display.

Green Display 1: Shows a bright green display.

Rainbow Display: Shows a Colorful, rainbow like display.

Gray Textured Display: Shows a gray textured display.

Grid: Enables/Disables a grid on 3D image.

Crack Display: Enables/Disables red highlight on cracks.

Vertical Rutting: Enables/Disables rutting in the vertical direction.

Horizontal Rutting: Enables/Disables rutting in the Horizontal direction.

Help Menu/About: Displays the **About** dialog box which contains version and copyright information.

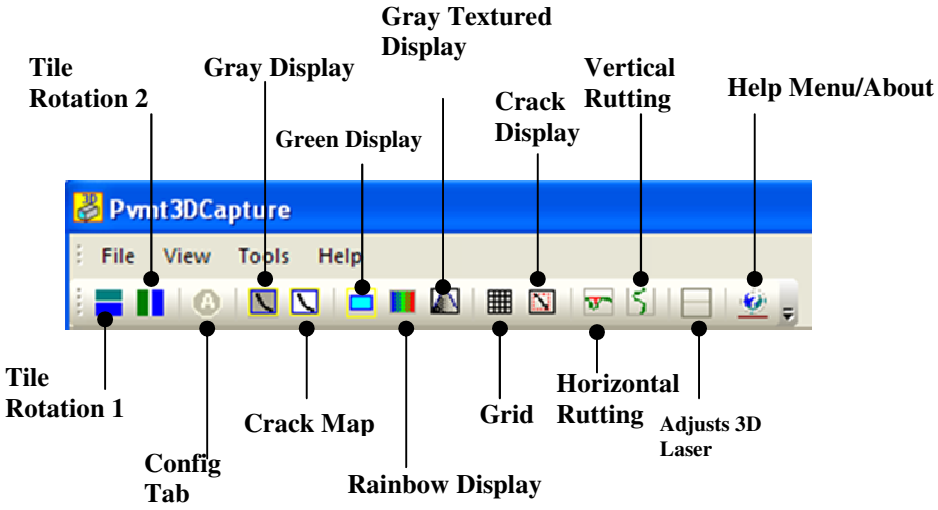


Figure 2-23 Icon Toolbar

Information Tab

DMI:

- **Pulses:** Amount of pulses.
- **Speed:** Vehicle speed measured by the DMI**.**

Frame:

- **SaveImgs:** Amount of images saved**.**
- **LeftFrmCnt:** Left frame count.
- **RightFrmCnt:** Right frame count**.**
- **LeftFrmTime:** Left frame time**.**
- **RightFrmTime:** Right frame time**.**
- **LeftDegree:** Monitors left camera Temperature**.**
- **RightDegree:** Monitors right camera temperature**.**
- **LeftDropFrm:** Left drop frame**.**
- **RightDropFrm:** Right drop frame**.**

There are four 3D cameras on the left side and four on the right side.

Control:

- **L_AoiThrshold:** Left area of interest threshold**.**
- **R_AoiThrshold:** Right area of interest threshold**.**

Merge:

- **OffsetX:** Aligns left and right images in the X direction.
- **OffsetY:** Aligns left and right images in the Y direction.

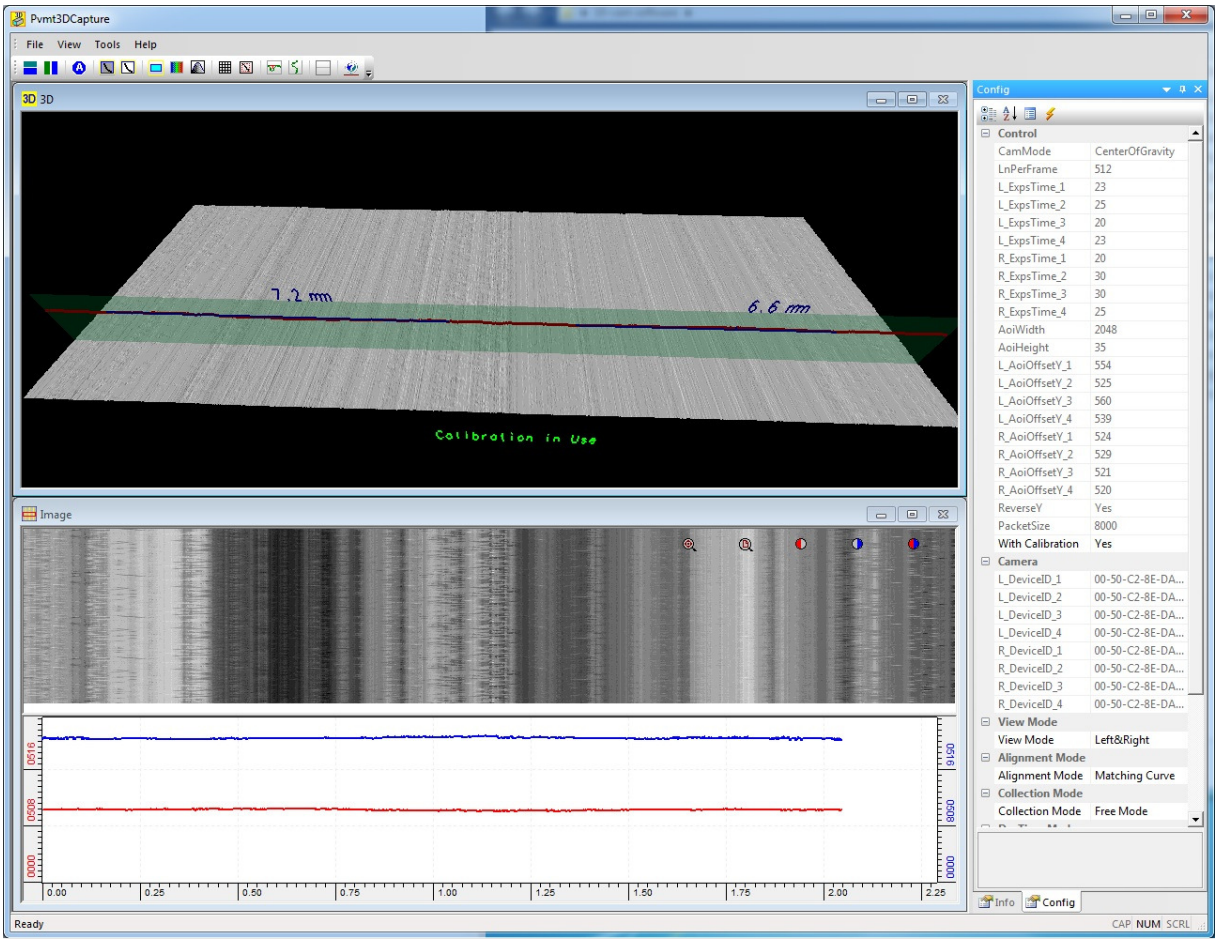


Figure 2-24 Configuration Tab

Configuration Tab

Controls:

- **CamMode:** Changes 3D image to different views.
  ***CenterOfGravity:** 3D image as shown in **Figure 2-24.**
  ***WholeImage:** 3D image as shown in **Figure 2-25.**
- **LnPerFrame:** Line per frame or transverse profile line**.**
- **L_ExpsTime:** Exposure time of left side camera**.**
- **R_ExpsTime:** Exposure time of right side camera**.**
- **AoiWidth:** Width of the area of interest (Rectangle). 2048 is recommended at all times.
- **AoiHeight:** Height of the Area of interest (Rectangle) (Refer to **Figure 29**).
- **L_AoiOffsetY:** Adjusts left image offset in the Y direction.
- **R_AoiOffsetY:** Adjusts right image offset in the Y direction.
- **ReverseY**: Reverses the cameras.

Note: "Yes" is recommended at all times.

- **Packet Size**: Size of stream packet to send on this channel.

Camera:

- **L_DeviceID:** Left camera identification number/Serial number.
- **R_DeviceID:** Right camera identification number/Serial number.

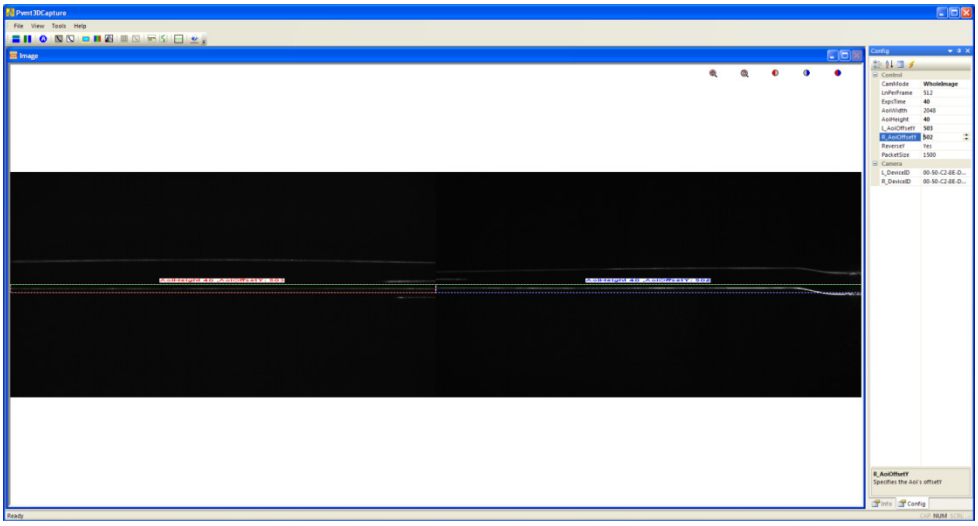


Figure 2-25 Whole Image

ROWCapture

The **ROWCapture** software suite can either be used independently, or in tandem with the rest of the data collection applications. **Figure 2-26** is a screenshot of the application. The **ROWCapture** is also a monitor tool for the ROW image capturing.

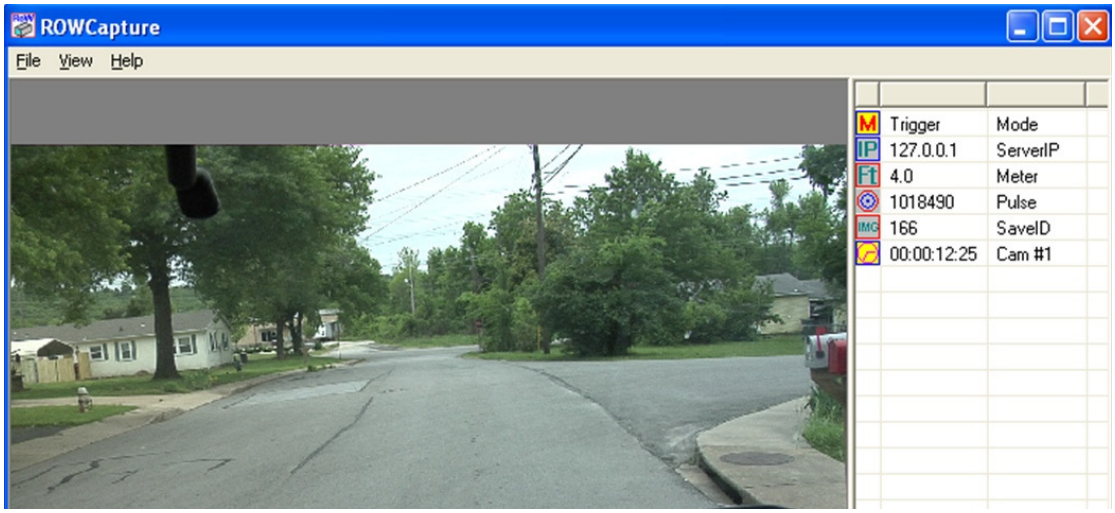


Figure 2-26 ROWCapture Software Suite

Information Grid

Mode: Shows operation mode of ROW camera.

- **Trigger:** Image capturing is based on the real DMI signal. In this mode, images can only be captured continuously when the vehicle is moving.
- **Simulate:** Image capturing is based on the simulated DMI signal. In this mode, image can be captured continuously even when the vehicle is still.

Sever IP: The IP address of the computer where **ControlPanel** is installed. If **ROWCapture** is running in the same computer with **ControlPanel,** keep the default internal IP address 127.0.0.1, if not, fill the IP of the computer where **ControlPanel** is.

Interval (Ft): Shows the interval between successive images captured.

Pulse: Shows DMI pulse number provided by **ControlPanel**.

SaveID: Shows the number of the frames saved.

Cam #1: Shows the time of current camera.

Software Usage

ROWCapture can be used to test the **PRIS-HD** subsystem, and is also used to collect Right of Way information. For testing, the user must make sure that the ROW camera is properly connected to Control Computer through the IEEE 1394 cables.

To power the **PRIS-HD** subsystem the user should follow the steps listed below:

- Turn on the main power in DHDV.
- Turn on **Control Computer**.
- Launch the **ControlPanel** program to power on the Control Chassis.
- Launch the **ROWCapture** program. The **ROWCapture** program should then display the images from the ROW cameras.

Data Collection Procedure

Startup Procedure

Before data collection, the following startup procedure should be conducted in sequence while the vehicle is stationary

1. Start van engine.
2. Make sure Inverter,located on front of desk, is switched on(**Figure 2-27**).On the ProSine2.0 panel (**Figure 2-27**) at the top of the computer rack, flip the display switch to the “ON” position and the inverter switch to the “ENABLE” position.

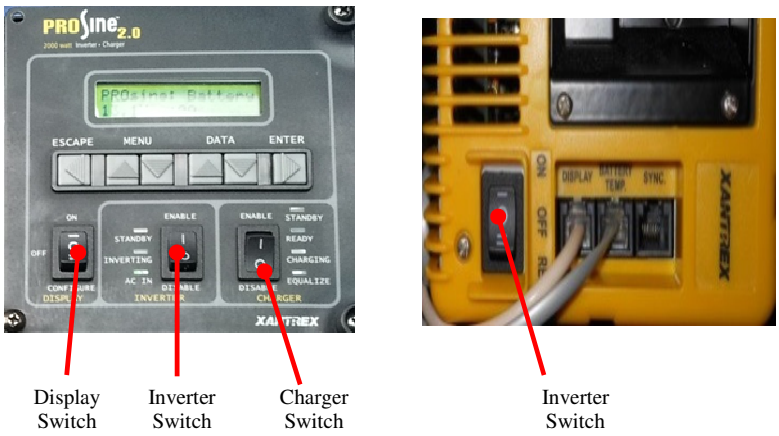


Figure 2-27 PROSine 2.0 Panel

Note: If the outdoor temperature is too high/low turn the AC/Heater on 3-5 minutes before powering on the system.

3. Make sure that the external 110v power supply is disconnected from the rear of the van.
4. Turn on Control Computer and monitors.
5. Turn on the **WCC**.
6. Turn on the **WPC**.
7. Turn on the Ames Profiler using the key fob attached to the keyboard.
8. Ensure that the firewall has been disabled.
9. Wait for the camera networks to be recognized by the control computer.
10. Launch **ControlPanel** on Control Computer.
11. Launch Ames Profiler System 6.0 from the Start menu.
12. Wait for **Control Panel** to be ready.
13. Make sure GPS is working, and check disk space availability.
14. Launch **Pvmt2DCapture, Pvmt3DCapture,** and **ROWCapture** on Control Computer.
15. Add all the roads that need to be surveyed to **ControlPanel** at this time for convenience. This will save time during actual data collection. See the **ControlPanel** subsection of this user guide.
16. Set the trigger **Mode** to **SimuTrigger** on the WayLink **ControlPanel** to test **PaveVision3D** and the **PRIS-HD** sub-systems.

Collection Procedure

After completing the startup procedure discussed above, the vehicle is now ready to collect data.

1. Change the trigger **Mode** to **RealTrigger** in **ControlPanel** (**Figure 2-17**). This mode should not be changed during data collection.
2. Make sure that all programs display the **[Ready]** message on the title bar. The status can also be viewed in the **ControlPanel.**
3. Select a destination folder for the collected data. Select a user's **Route File** and confirm the selection. (See **ControlPanel** subsection).
4. In the Ames Profiler software main screen, click **START.** This will bring up the profiler collection setup page. Enter any relevant information into the appropriate fields.
5. Click the **Change file path** button at the bottom of the Ames Profiler firmware page. Select the same folder , for example: E:\15thStreet-20111213.120226.171.
6. When the vehicle has reached the starting point of the desired road or highway, the driver should notify the operator to **Mark** the section from the list (See **ControlPanel** subsection). After that, the vehicle is ready to collect data following the predefined route.
7. Hit the **Start** button (see **Figure 2-17**) to start data collection. Each sub-system should be updated by showing **[Recording].** All **Data Fields Status Bar** information fields (**Figure 2-17**) should also be updated as the vehicle moves. **ROWCapture, Pvmt2DCapture,** and **Pvmt3DCapture** should show the **[Recording]** message in the title bar.
8. Hit the **Stop** button to finish the collection process at the end of the test.
9. All applications should display the **[Ready]** message. The status will update to **[Ready].**

Shutdown Procedure

1. Close **Pvmt2DCapture, Pvmt3DCapture, ROWCapture,** and **ControlPanel** in sequence.
2. Turn off WPC.
3. Turn off WCC.
4. Shut down the Control Computer.
5. Turn off the inverter.
6. Turn off the vehicle. For extended use of the system while stationary, a port is provided to connect the vehicle to external 110v ac power.

PaveVision3D Parameter Configuration Procedures

When the **Pavement3DCapture** is running for the first time or the positions of one or more cameras are changed, conducting calibration, adjusting the alignment of cameras and adjusting the offset are needed. It should be noted that the following procedures should be performed in sequences before running the **Pvmt3DCapture** Software.

3D Height and Flatness Calibration

There are two reasons for the height and flatness calibration. First, due to the distortion of the camera lens, the captured 3D pavement data illuminated by this laser beam will have a bowed curve shape even when the laser beam is projected on a flat pavement surface. The flatness calibration is designed to remove the influence of the lens distortion. The height calibration is to generate the ratio between the pixel value in 3D data and the real height value.

If the **Pvmt3DCapture** runs for the first time and the calibration file has not been generated, or the calibration file is found to be incorrect, the height and flatness calibration procedure is needed before data collection.

If there is an existing calibration file in the same directory with **Pvmt3DCapture** software before the calibration process, the original calibration file will be overwritten with the new calibrated information after the process.

The steps of height and flatness calibration are described as below:

1. Open the **ControlPanel** software. Set the value of **Mode** to be **RealTrigger** and the value of **SimuSpeed** to be 10mph.

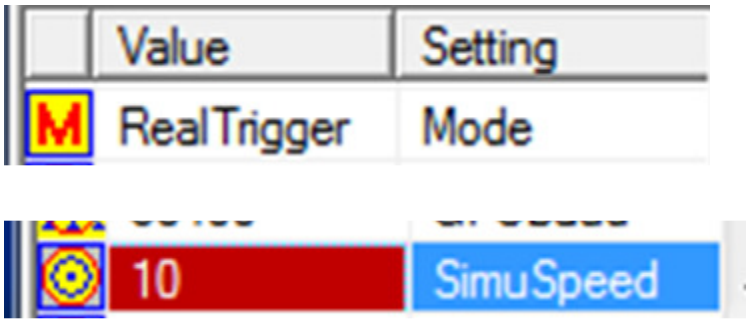


Figure 2-28 Height and Flatness Calibration - Step 1

2. Open the **Pvmt3DCapture** software. If no calibration file is found in the same directory as the Pvmt3DCapture software, a warning message box will be displayed. Click **OK** to close the pop-up window.



Figure 2-29 Height and Flatness Calibration - Step 2

3. Click the **Tools** menu in the **Pvmt3DCapture** interface and select **Calibration**.

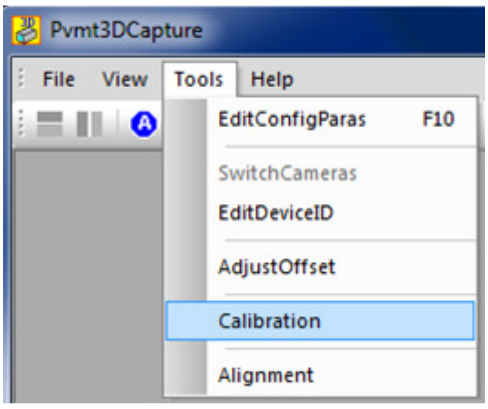


Figure 2-30 Height and Flatness Calibration - Step 3

4. Set the value of **Mode** to be **Simu Trigger** on the **ControlPanel**.



Figure 2-31 Height and Flatness Calibration - Step 4

5. After setting the value of **Mode** to be **Simu Trigger** in the **ControlPanel**. The **Pvmt3DCapture** will enter the calibration interface. There are two windows in the client area. The window with 16 red buttons (such as L1, L2, ..., R1, R2, ...) is used to perform the calibrated process. The original date is shown below that window. The four red lines represent the data collected from the left 4 cameras. The four blue lines are the data collected from right 4 cameras.

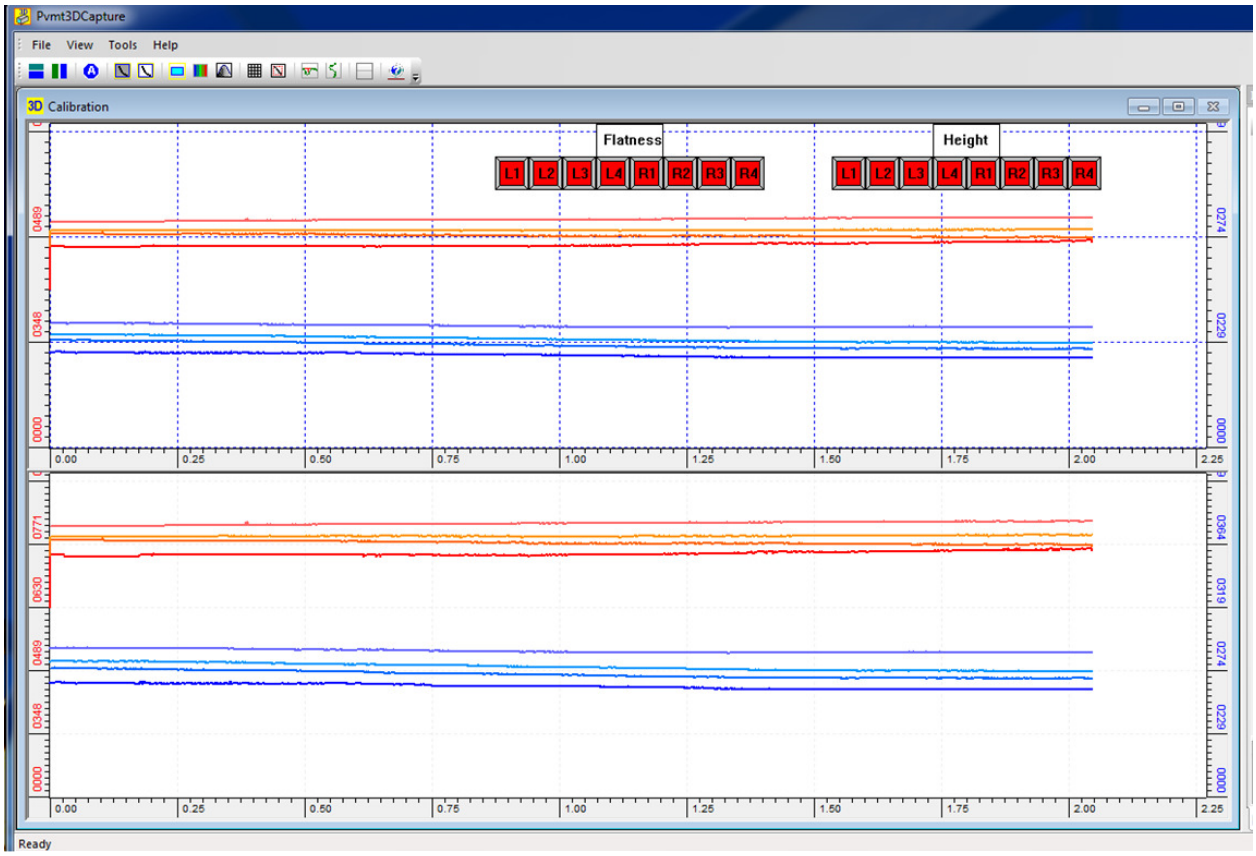


Figure 2-32 Height and Flatness Calibration - Step 5

6. Simply click the red button and the system will do the calibration for each 3D camera automatically. The red icons will turn into green after the calibration is completed. Perform the flatness calibration first, and then do the height calibration. Make sure the laser beam is projected on a flat surface when performing the flatness calibration. Click each button from L1 to L4 under **Flatness** to finish the left side flatness calibration. Then click each button from R1 to R4 to finish the right side flatness calibration.

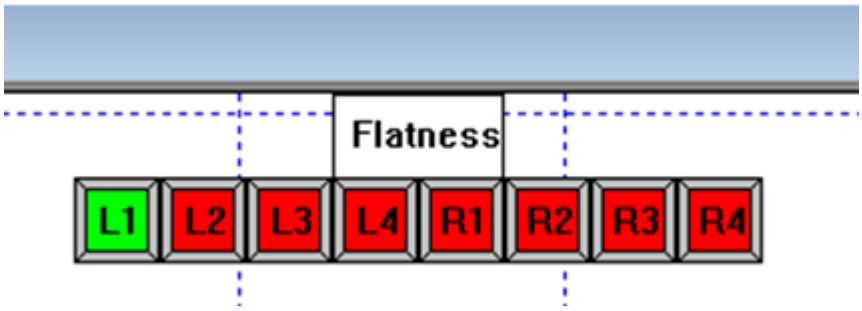


Figure 2-33 Height and Flatness Calibration - Step 6

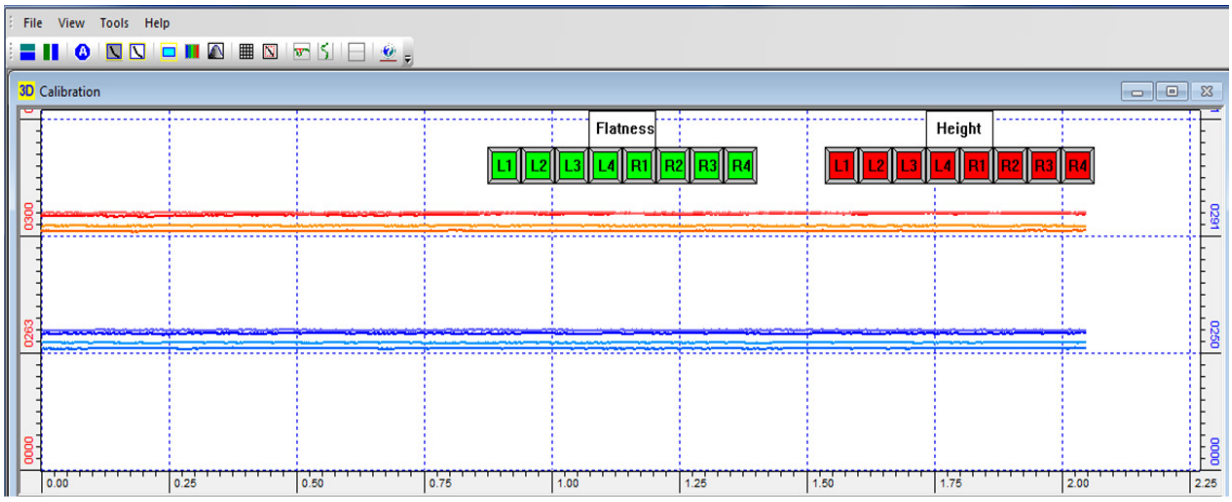


Figure 2-34 Height and Flatness Calibration - Step 6

7. After the flatness calibration is completed, the next step is height calibration. For height calibration, it can start from either left side or right side. For example, if it starts from the right side, a 2 inch high black block is put on the laser beam under the right sensor case.

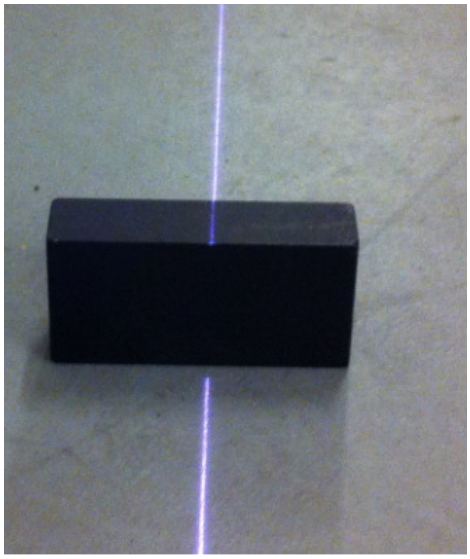


Figure 2-35 Height and Flatness Calibration - Step 7

8. After the block is placed under the right laser beam, the block can be seen on the calibration interface.

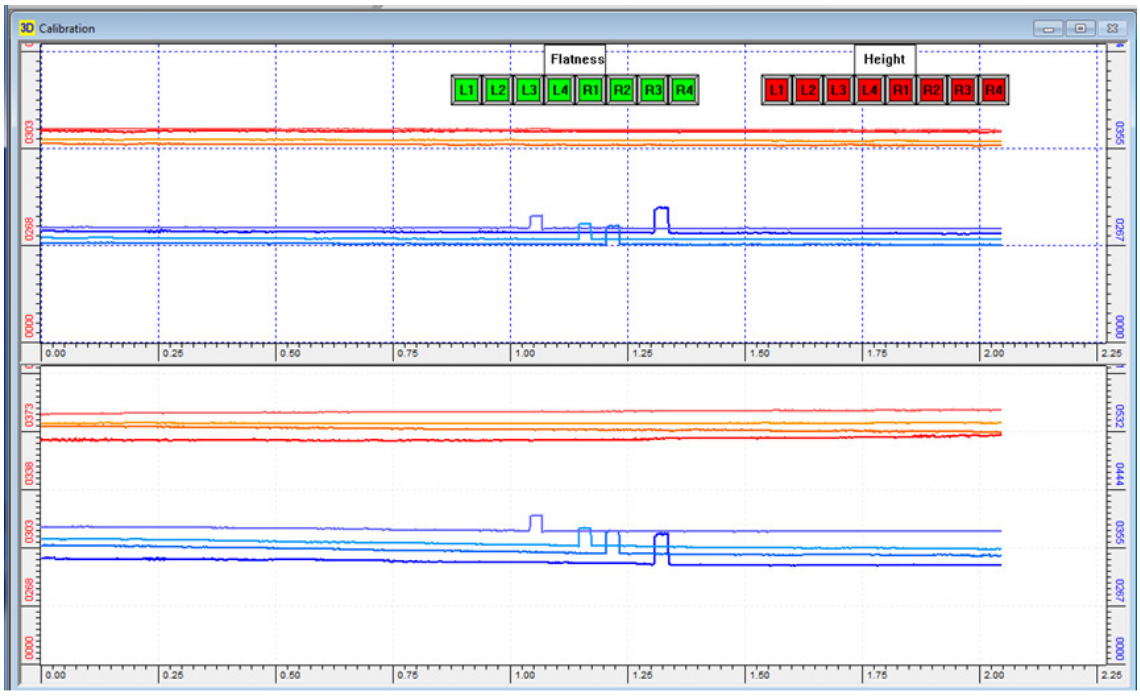


Figure 2-36 Height and Flatness Calibration - Step 8

9. Since it is calibrating the right sensors, click each button from R1 to R4 under **Height** to finish the right side height calibration.

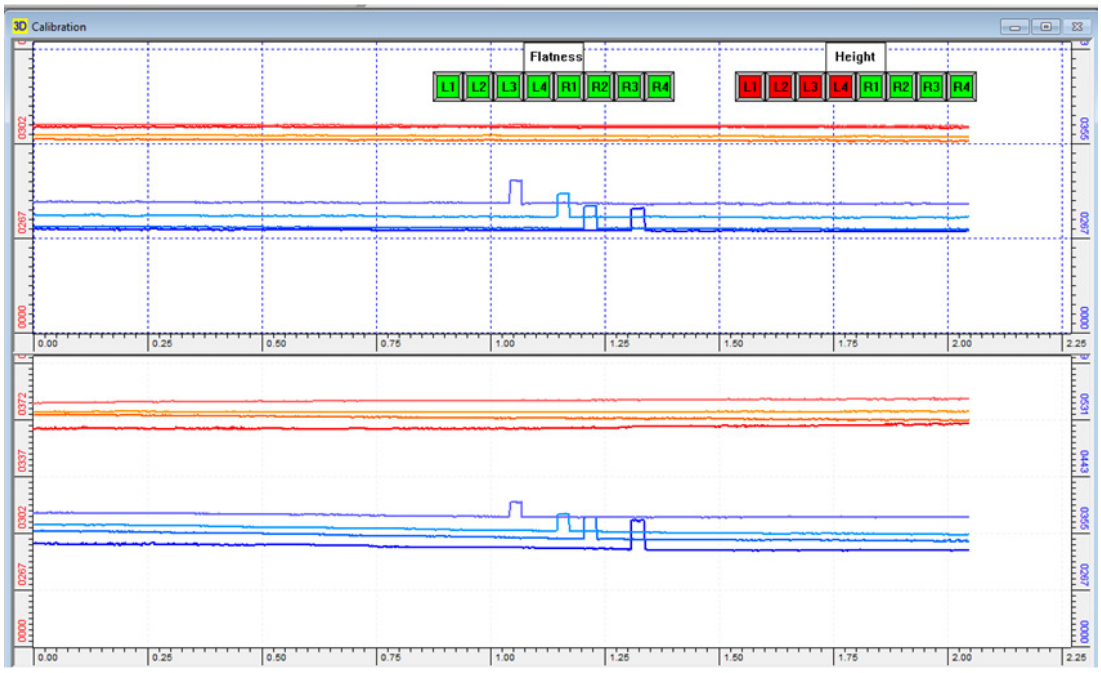


Figure 2-37 Height and Flatness Calibration - Step 9

10. Then put the 2 inch high black block on the laser beam under the left sensor case.

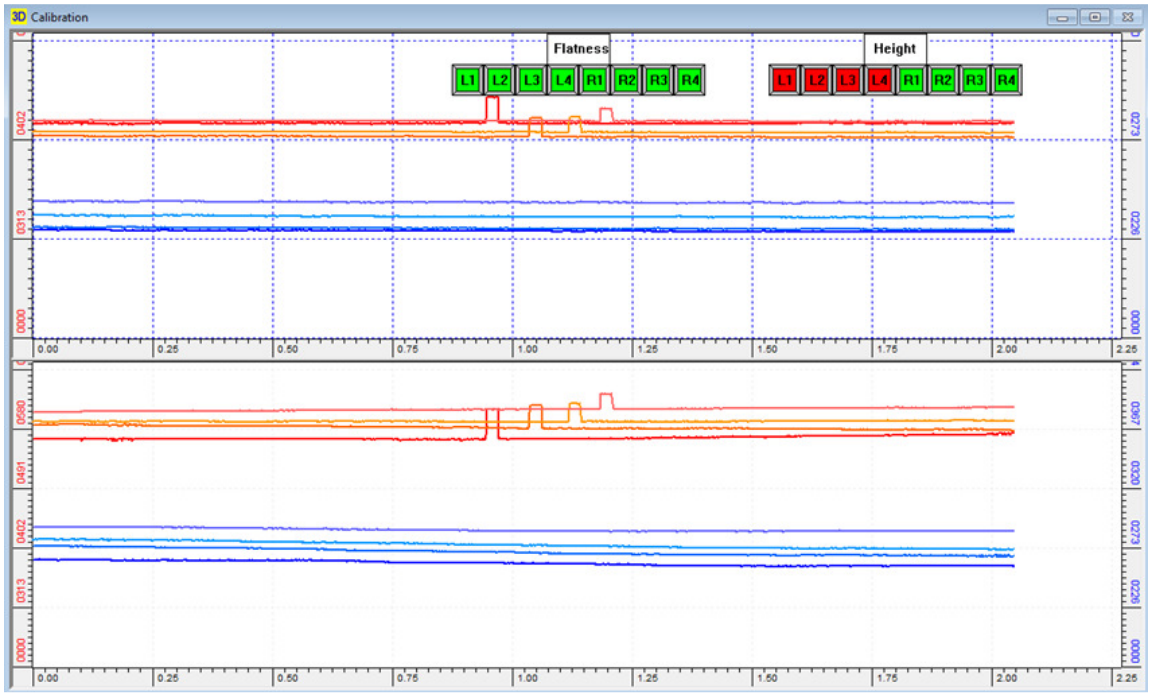


Figure 2-38 Height and Flatness Calibration - Step 10

11. Click each button from L1 to L4 under **Height** to finish the left side height calibration.

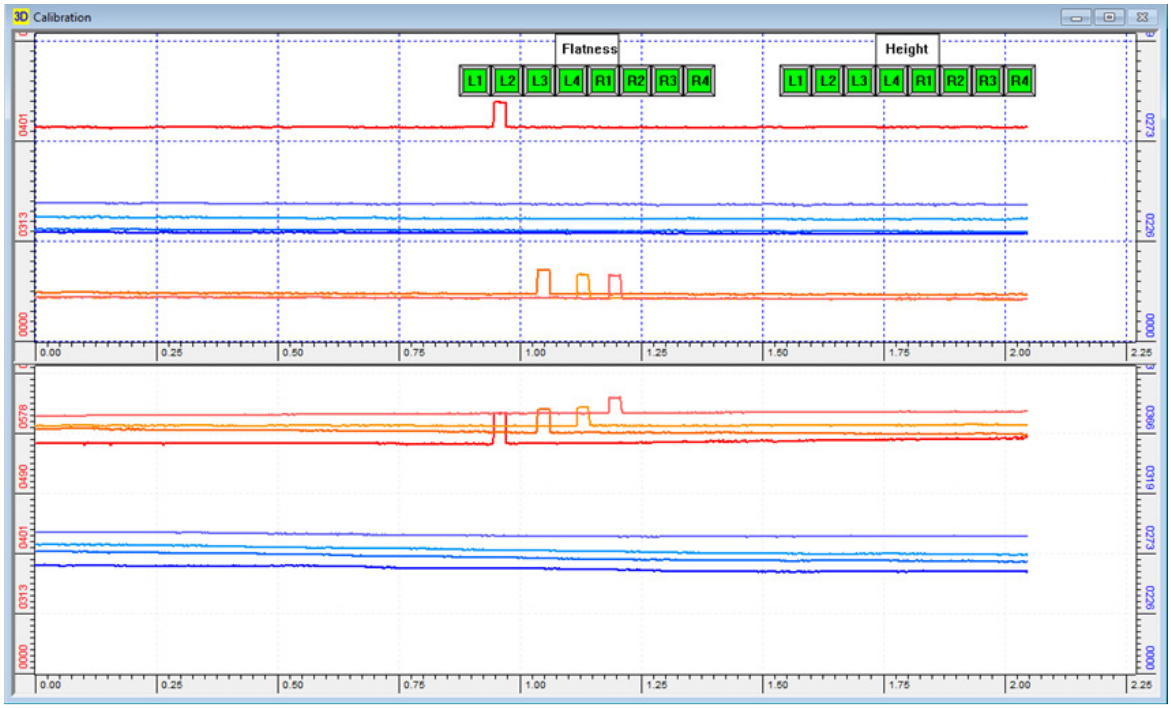


Figure 2-39 Height and Flatness Calibration - Step 11

12. After the height and flatness calibration is completed, the color of the 16 buttons will turn red into green, which indicates that the calibration is successful. Restart the **Pvmt3DCapture** software for other adjustment or alignment operations.

3D Sensor Alignment

Since the four 3D cameras in each sensor case are mounted at different positions in one sensor case, they are looking at the illumination laser beam from different perspectives. In other words, the same object is viewed differently along the horizontal direction in 3D data. Therefore, alignment of the cameras is required before data collection.

The steps of adjusting alignment are described as below:

1. Open the **ControlPanel** software. Set the value of **Mode** to be **RealTrigger** and the value of **SimuSpeed** to be 10mph.

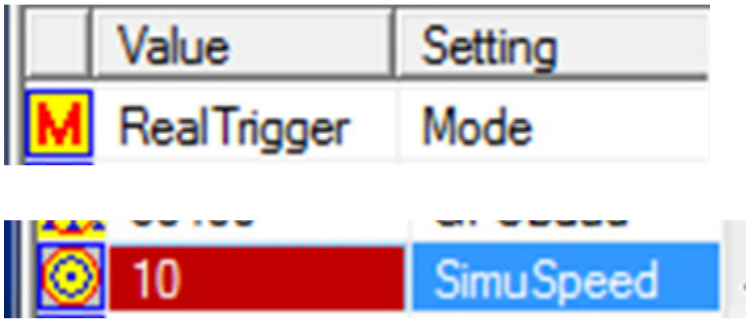


Figure 2-40 Adjusting Alignment - Step 1

2. Open the **Pvmt3DCapture** Software. Check the value of **OffsetX** and the value of **OffsetY** in the **Info** Panel.

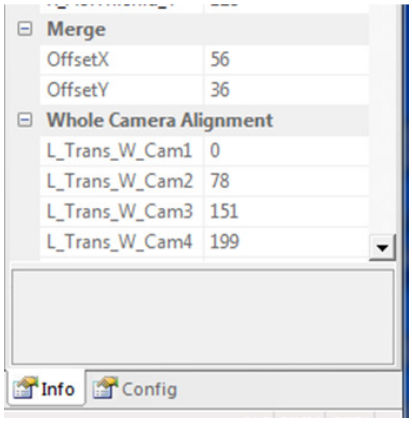


Figure 2-41 Adjusting Alignment - Step 2

3. If these values are not zero, click **Tools** menu in the **Pvmt3DCapture** and select **AdjustOffset**. Reset the values of **OffsetX** and **OffsetY** to zero.

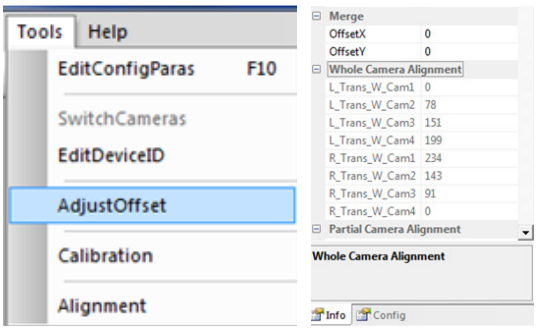


Figure 2-42 Adjusting Alignment - Step 3

4. After resetting the offset values to be zero, restart the **Pvmt3DCapture** software. If the offset values are zero at the beginning. Skip step 3 and step 4.

5. Click the **Config** panel and change the **View Mode** value to be either **Left** or **Right**. If **Right** side is selected, adjusting alignment will start from the right side, otherwise it will start from the left side. Change the value of **Noise Removal** to **False**.

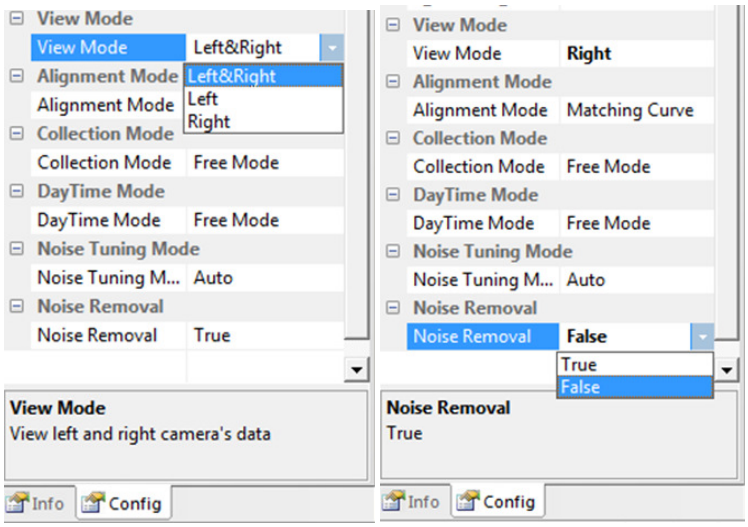


Figure 2-43 Adjusting Alignment - Step 5

6. Click **Tools** menu and select **Alignment**. The password for alignment is 00000.

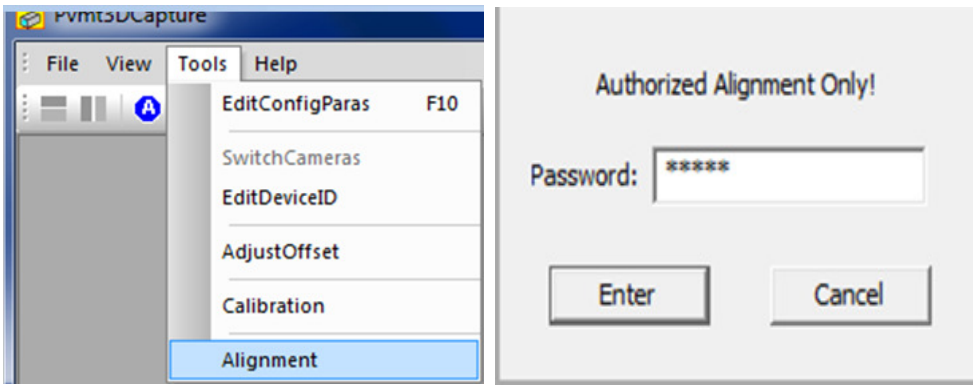


Figure 2-44 Adjusting Alignment - Step 6

7. Click **Info** panel and reset the values in the columns below the **Whole Camera Alignment** to be zeros. Also reset the values of the columns below **Partial Camera Alignment** to be zeros. In the documentation, adjusting alignment starts from the right side.

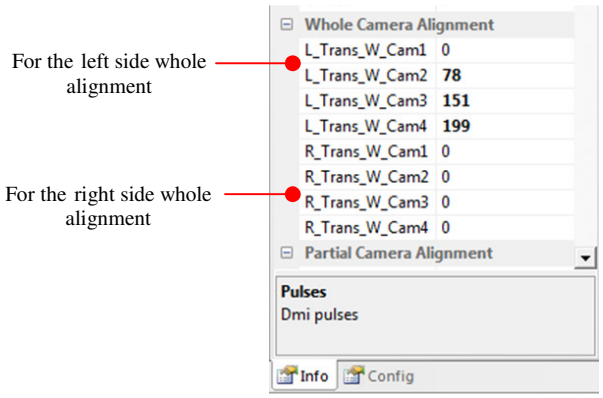


Figure 2-45 Adjusting Alignment - Step 7

8. Set the value of **Mode** to be **Simu Trigger** in the **ControlPanel**.



Figure 2-46 Adjusting Alignment - Step 8

9. After setting the value of **Mode** to be **Simu Trigger** in the **ControlPanel**. The **Pvmt3DCapture** will enter the normal data collection interface. There are two windows in the client area. The window on the bottom, which is labeled with image,

will be used for adjusting alignment. Click the maximize button of that window then click the half red circle button to enter the interface for the alignment.

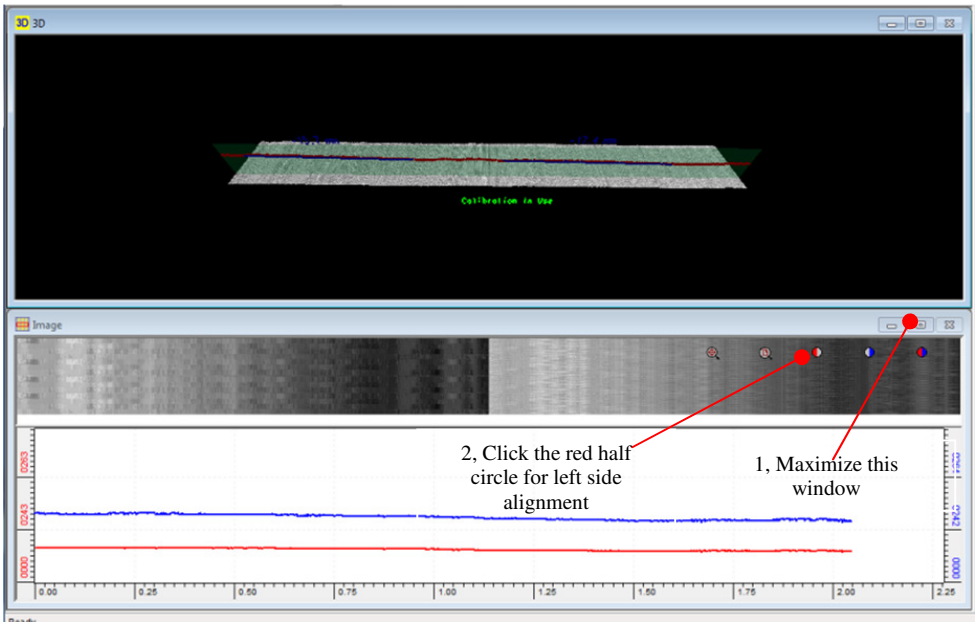


Figure 2-47 Adjusting Alignment - Step 9

10. For both left side alignment and right side alignment, it is first to adjust the **Whole Camera Alignment** parameters, then adjust the **Partial Camera Alignment** parameters. To adjust the **Whole Camera Alignment**, this process only needs to be done once for either the left side or right side. To adjust the **Partial Camera Alignment**, it requires adjusting twenty parameters for twenty small areas on each side.

    In this documentation, alignment is adjusted starting from the right side. To adjust the **Whole Camera Alignment**, place a unpainted wood or aluminum (0.25” x 1.0”) stick at the right edge of the right side laser beam, as rightmost as possible. Make sure all the 4 segments from different cameras can be seen from the window view.

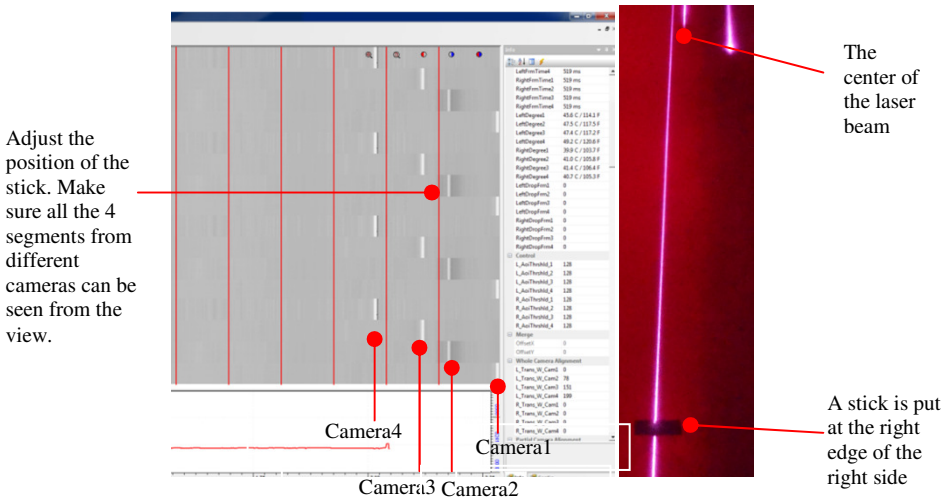


Figure 2-48 Adjusting Alignment - Step 10

11. After putting a stick on the laser beam of the right side, 4 different horizontal positions of the same stick demonstrate in the view of the **Alignment** window. From top to bottom, the data segments at the four positions are captured from camera 4, camera 3, camera 2, and camera 1.

    To adjust the parameters for both **Whole Camera Alignment** and **Partial Camera Alignment**, identify the camera whose segments are located on the furthest left side, and set the alignment parameter of that camera to be zero. Then adjust the values for the other cameras until the segments all line up.

    For all the alignment parameter, only positive numbers and zero are allowed.

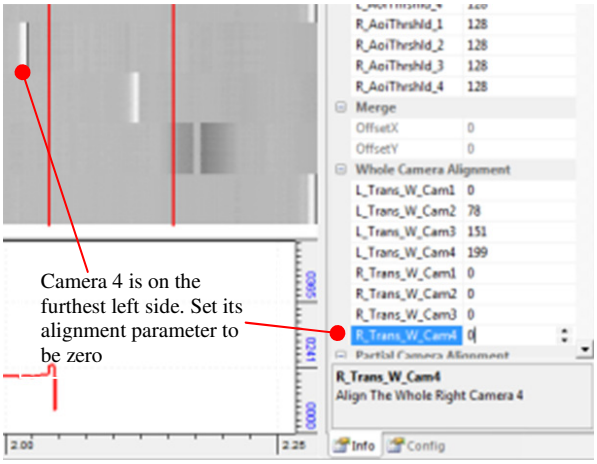


Figure 2-49 Adjusting Alignment - Step 11

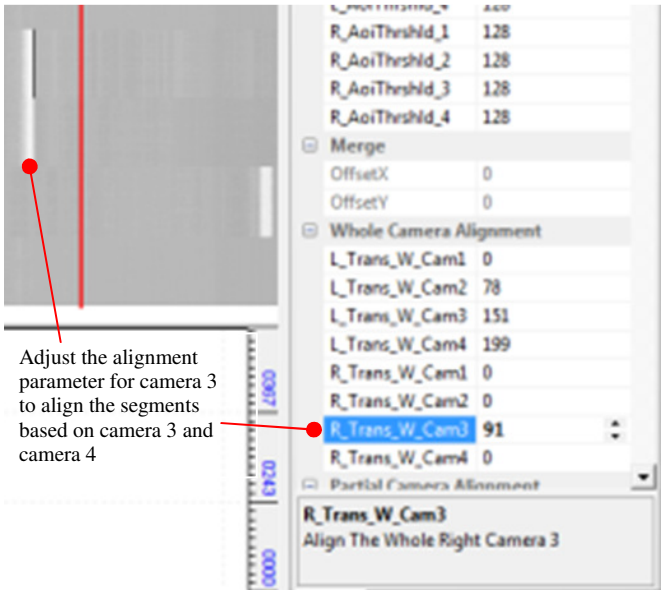


Figure 2-50 Adjusting Alignment - Step 11

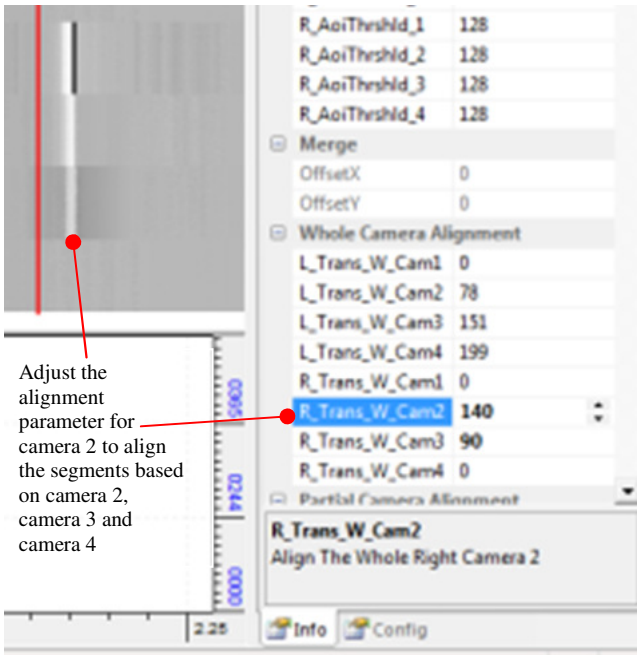


Figure 2-51 Adjusting Alignment - Step 11

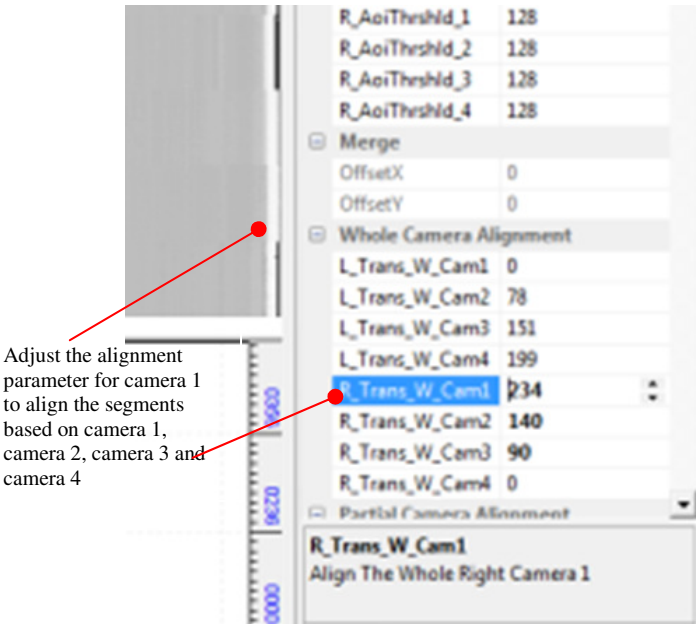


Figure 2-52 Adjusting Alignment - Step 11

12. After finishing the **Whole Camera Alignment**, twenty **Partial Camera Alignment** operations should be performed next.

    For partial alignment, it starts from the left edge to the right edge for each side of the sensor. The index for the partial alignment starts from P1 to P20 on each side. The index maps the position of the stick from the left edge to the right edge. Adjusting partial alignment starts from putting a stick on the furthest left edge of the laser beam. Make sure all the 4 segments from different cameras can be seen from the window view. Adjusting the alignment for this stick by using the same principle with the **Whole Camera Alignment**. Subsequently, put another stick under the laser beam approximately 4 inches right to the previous stick. Using the same principle to perform the alignment. Continue aligning the sticks until all the twenty partial alignment parameters are adjusted.

    It should be noted that the distance from the next stick on the right to the previous stick is not constant. The distance between two adjacent sticks in the middle of the view is usually narrower than that at the edge. During the repetitive partial alignment process for some positions in the middle of that side, no obvious changes can be seen from segments data when the alignment parameters are adjusted. In that scenario, keep the corresponding alignment parameters to be zero for such positions.

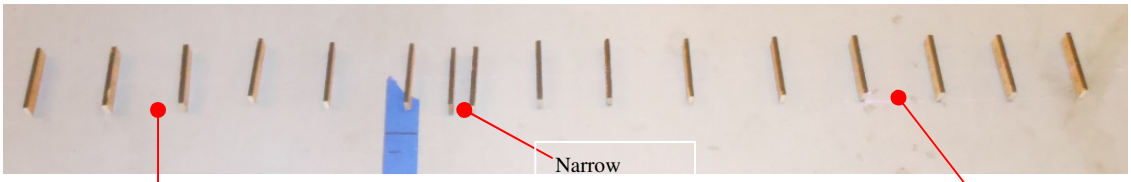
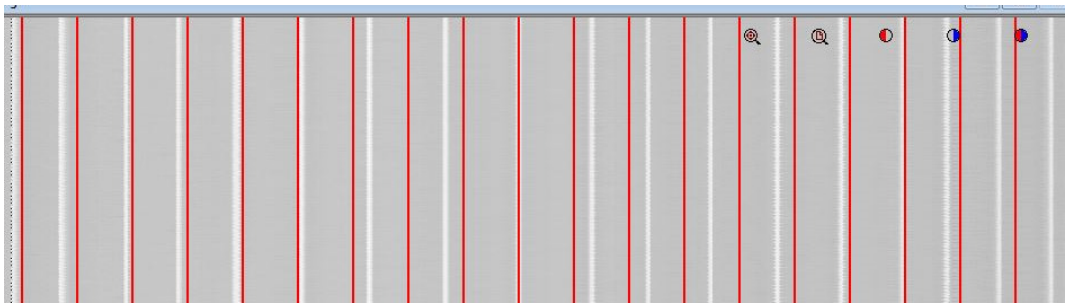


Figure 2-53 Adjusting Alignment - Step 12



Partial of the final aligned data

Figure 2-54 Adjusting Alignment - Step 12

13. After finishing the **Whole Camera Alignment** and **Partial Camera Alignment** for the 20 zones on one side, follow the same procedure to align on the other side. When the alignment process on both sides is completed, close the **Pvmt3DCapture** to save the parameters.

Offset Adjustment

The 2D and 3D offset calibrations are similar to each other. In this Manual, 2D calibration is selected as the example.

1. Turn on the main power in DHDV.
2. Prepare system for data collection as described earlier in the collection procedure.
3. Collect a few frames making sure calibration pattern is centered in view (**Figure 2-55**).

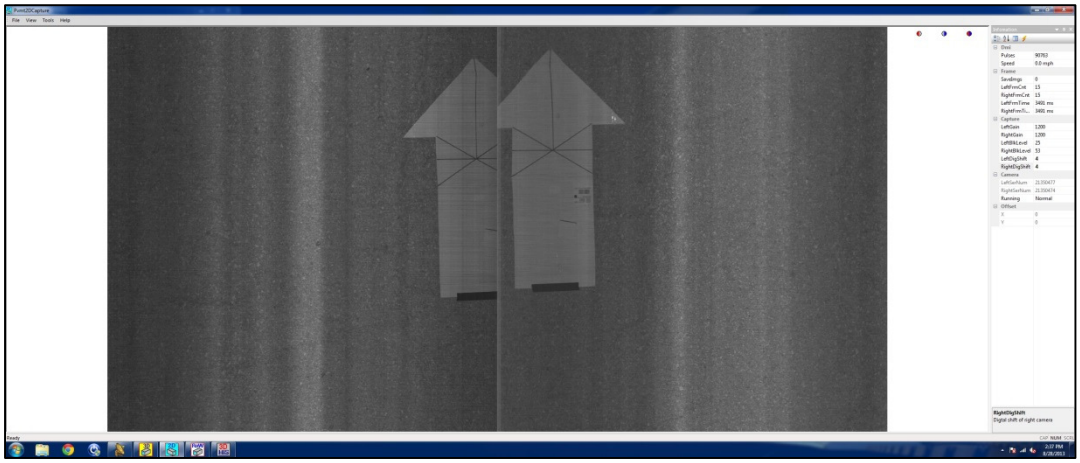


Figure 2-55 Images Before Offset Adjustment

4. Start Pvmt2DCapture or Pvmt3DCapture depending on which offset to be adjusted (**Figure 2-56**).

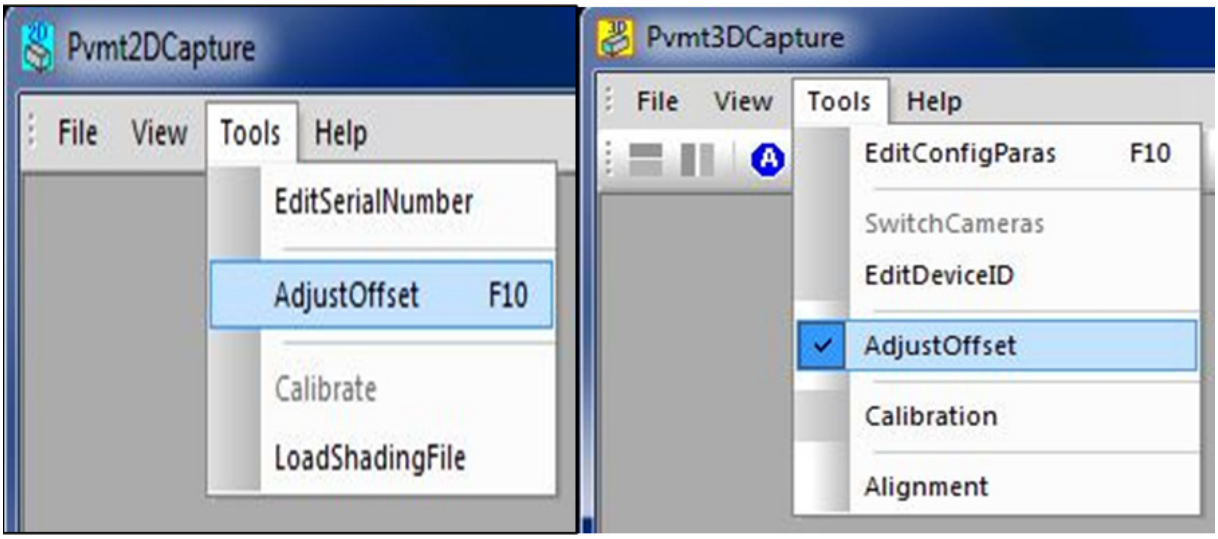


Figure 2-56 Tool menu options 2D and 3D

5. After Collecting a few frames (can be collected using simulation mode), set the offset values to zero (**Figure 2-57**).



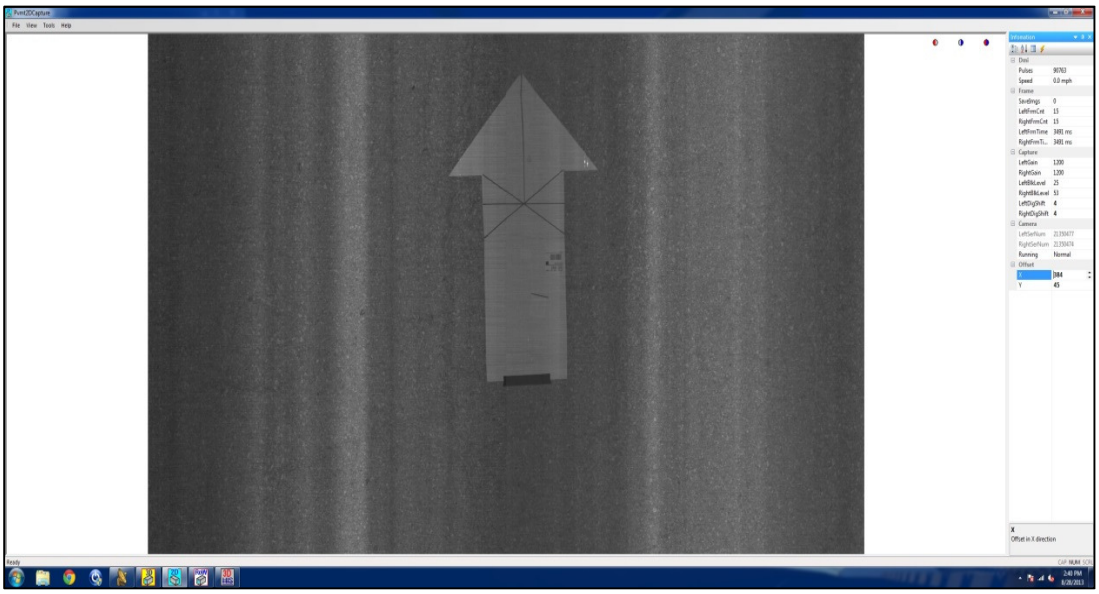
Figure 2-57 Offset Adjustment - Step 5

6. Next close software to save the values.
7. Restart the software and again, select the appropriate **Tools** menu as shown in Figure **2-56**.
8. Slowly drive over pattern, stop when pattern is in view, centered if possible.
9. Adjust the offset values to align the images in both X, and Y directions. The goal is to align the patterns placed on the pavement surface according to its original shape.



Figure 2-58 Offset Adjustment - Step 9

10. The 2D and 3D offset calibration procedures are independent of each other. They cannot be done at the same time. 2D offset adjustment requires minimal thickness in the pattern. 3D offset adjustment requires a maximum of ½ inch and a minimum of ¼ inches of height in the pattern to capture the depth information in 3D data.



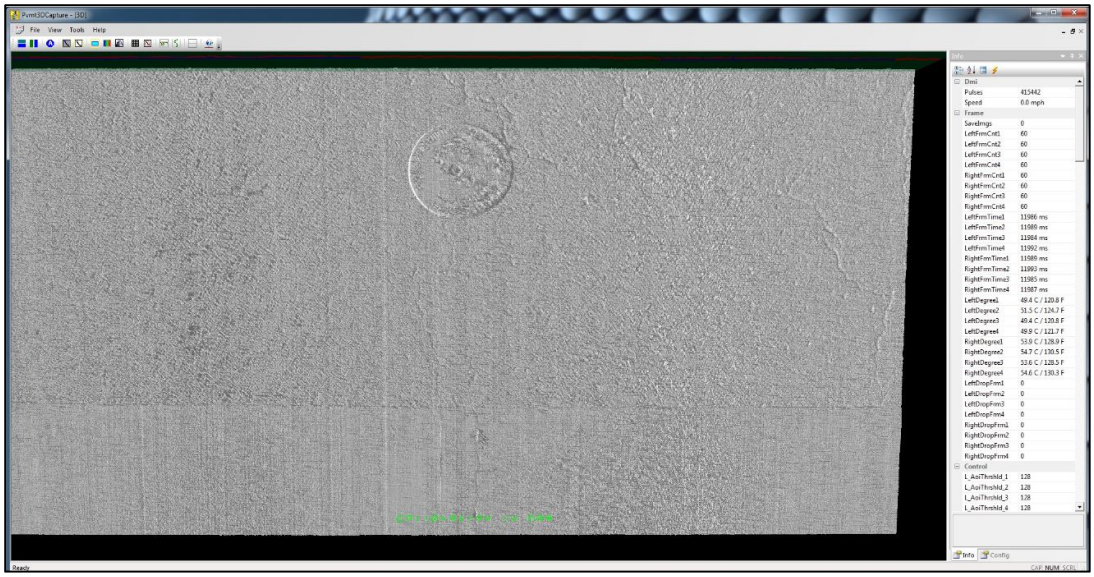


Figure 2-59 Images After Offset Adjustment

Data Storage and Database

DHDV database is generated by **ControlPanel**. The database is stored in a Microsoft Access Database file with an mdb extension. While WayLink-derived programs can directly access the access files, Microsoft Office must be installed in order to view the database directly. The current version is 3.1.

There are 12 basic tables in the database as described below. Other tables might be generated if third-party data are imported.

- **CollectionInfo:** All configuration and route information.
- **Distresses:** Cracking and other distresses detected by **Automated Distress Analyzer (ADA).**
- **DistressManual:** Information for mark marked manually via the Manual Distress module of **MHIS-3D.**
- **EventMarkers:** Event markers recorded during data collection by the user.
- **GPSInfo:** GPS readings taken during the data collection
- **GyroInfo:** Gyro readings taken during the data collection
- **PvmtImg:** Extra information for each pavement image recorded during data collection
- **ROWImg:** Extra information for each pair of ROW images taken during data collection
- **RuttingProfile:** Results from the Rutting subsystem
- **PaverFrame**: Frames marked by the user in **MHIS-3D**.

- **Version:** Version footprint used to determine database format for WayLink programs.

ANALYZING DATA - AUTOMATED DISTRESS ANALYZER 3D (ADA-3D)

WayLink provides the user with a dedicated crack identification and categorization software called ***Automated Distress Analyzer 3D (ADA-3D)***. As an addition to the **PaveVision3D** subsystem, ***ADA-3D*** is designed to detect longitudinal, transverse, block, and alligator cracks, calculate their lengths, widths, and other general information sets. ***ADA-3D*** is designed for crack detection in asphalt pavement, and also works for detection of rigid pavement cracks. Additionally, powerful post-processing features are also provided. The crack information from ***ADA-3D*** can be read by ***MHIS-3D*** which generates crack maps and statistics using multiple crack survey protocols. In addition, ***ADA-3D*** is capable of conducting surveys of rutting and IRI.

ADA-3D Interface

It is important to note that ***ADA-3D*** can only open databases generated by **ControlPanel**. To launch ***ADA-3D***, open the database you wish to analyze. This should display the **Road Image** window. The **ADA-3D** interface is shown in **Figure 3-1**.

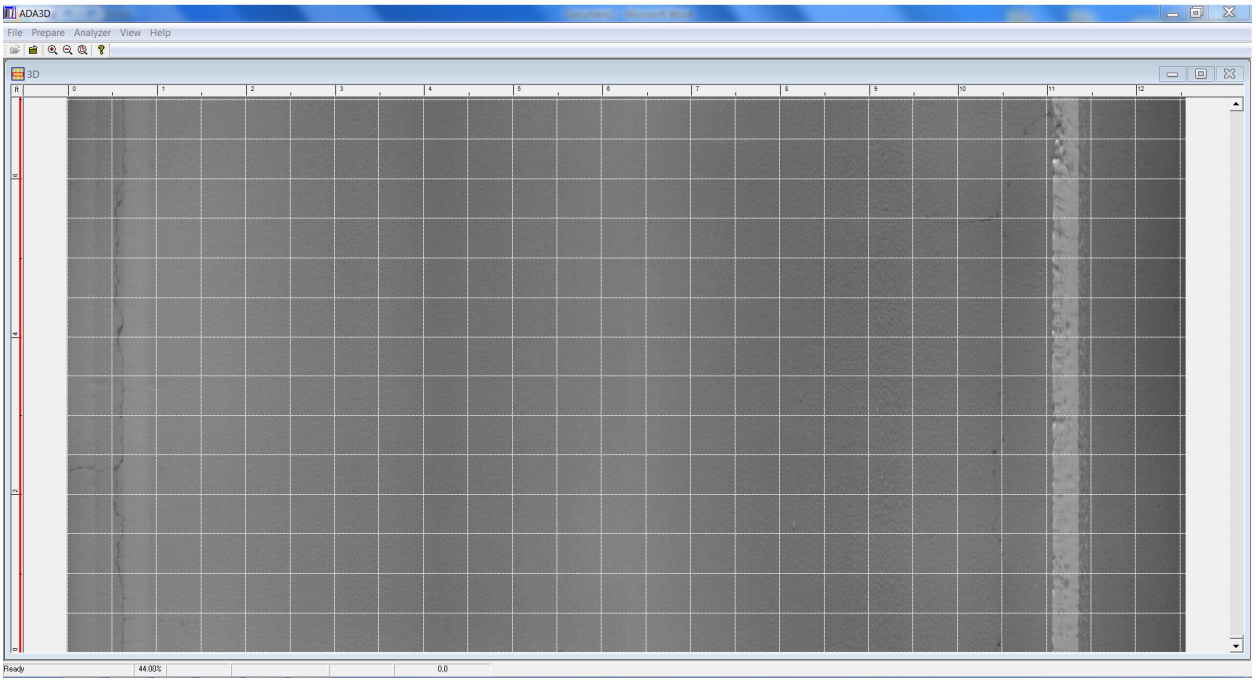


Figure 3-1 Automated Distress Analyzer 3D (ADA-3D) Interface

Menu

File

- **Open:** Opens the **DHDV** database (*.mdb).
- **Close:** Closes current project.
- **Recent File:** Allows users to view and open files opened recently.
- **Exit:** Exits the **ADA-3D** environment.

Prepare

- **AdjustParameter:** Adjust **ADA-3D** analysis parameters.
- **FrameInformation:** Create frames for analysis and demonstrate frame information.

Analyzer

- **Rutting:** Analyze rutting and save the results.
- **IRIRN:** Analyze IRI and Ride Number and save the results.
- **Auto3DDistress:** Automatically analyze 3D distresses and save the results.
- **Manual3DDistress:** Manually analyze 3D distresses and save the results.
- **UKScanner:** Analyze distress using UK Scanner protocol and save the results.
- **AASHTOStandards:** Analyze distress using AASHTO standard protocol and save the results.

View

- **Rutting:** turn on or turn off rutting values.
- **IRI/RN:** turn on or turn off IRI/RN values.
- **Cracking:** turn on or turn off identified cracking.
- **UKScanner:** turn on or turn off UKScanner grids.
- **Frame:** turn on or turn off the generated frames.
- **CrackMap:** turn on or turn off crack map.

Help

- **About *ADA3D...*:** Displays Version and Copyright information dialog box.

Toolbar

This section describes the actions of the **ADA-3D** toolbar. **Figure 3-2** is a screenshot of the toolbar.

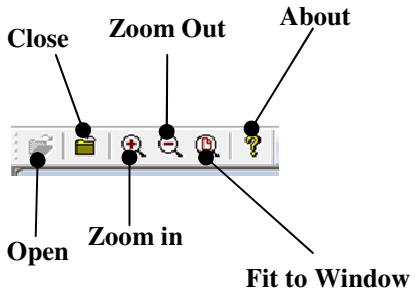


Figure 3-2: Automated Distress Analyzer 3D (ADA-3D) Toolbar

Open: Allows the user to open a database. The database file must be generated by ***ControlPanel***.

Close: Closes the current database, and leaves **ADA-3D** environment open.

Zoom In: Applies a 10% zoom increase to the current zoom factor.

Zoom Out: Applies a 10% zoom decrease to the current zoom factor.

Fit to Window: Fits the image to frame size.

About: Displays the **About** dialog box which contains version and copyright information.

Prepare Data

There are two steps to prepare the data for cracking detection: **AdjustParameter** to adjust **ADA-3D** analysis parameters, and **FrameInformation** to create frames for analysis and demonstrate frame information.

Click **AdjustParameter** under the **Parameter** menu**,** the interface is shown in **Figure 3-3**. Users can change the parameter settings by hitting **Edit** button. After parameter change, hit **Apply** to save. There are eight types of parameters that can be changed:

Interval: Set the data report interval for rutting, IRI/RN, and cracking frames.

ADA: Set parameters for ADA, including noise level (**NoiseLevel**), left and right offsets.

3D: Adjust the offsets in X, and Y directions for 2D data, and the XRatio.

Depth: Adjust the depth ratio in the vertical direction for the left and right sides.

2D: Adjust the offsets in X, and Y directions for 2D data, and the XRatio.

3D-2D: Adjust the offsets in X, and Y directions between 2D and 3D data.

Run: Modify the beginning and ending positions so that only data within that range are analyzed. Users can also change the unit from Imperial to Metric and vice versa, and the DMI ratio.

UKScan: Adjust UKScanner report interval and the grid size.

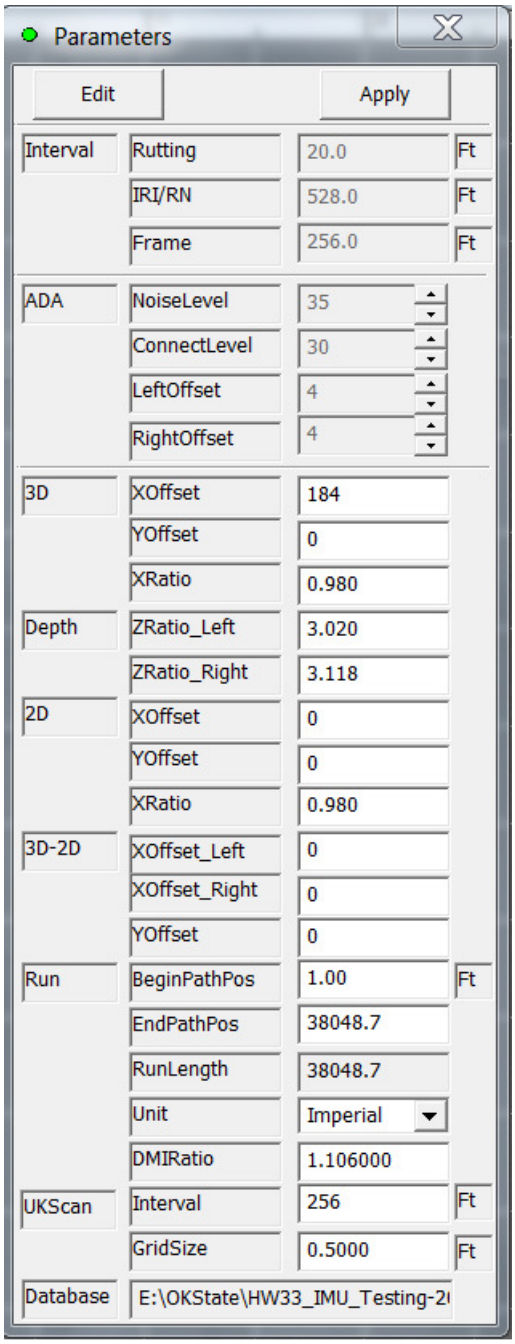


Figure 3-3: ADA3D AdjustParameter Interface

After setting the **ADA-3D** adjustment parameters, users can create frame objects by hit **Create** icon on the **FrameInformation** interface, as shown in **Figure 3-4**. The frames are generated based on the frame interval input by users in the **AdjustParameter** interface**.** In this window, it provides the frame number, beginning and ending positions of each frame, the locations of left marking, left wheel path, right wheelpath, and right marking. Currently, the definition of the wheelpath is based on the draft AASHTO PP 69-10 Protocol.

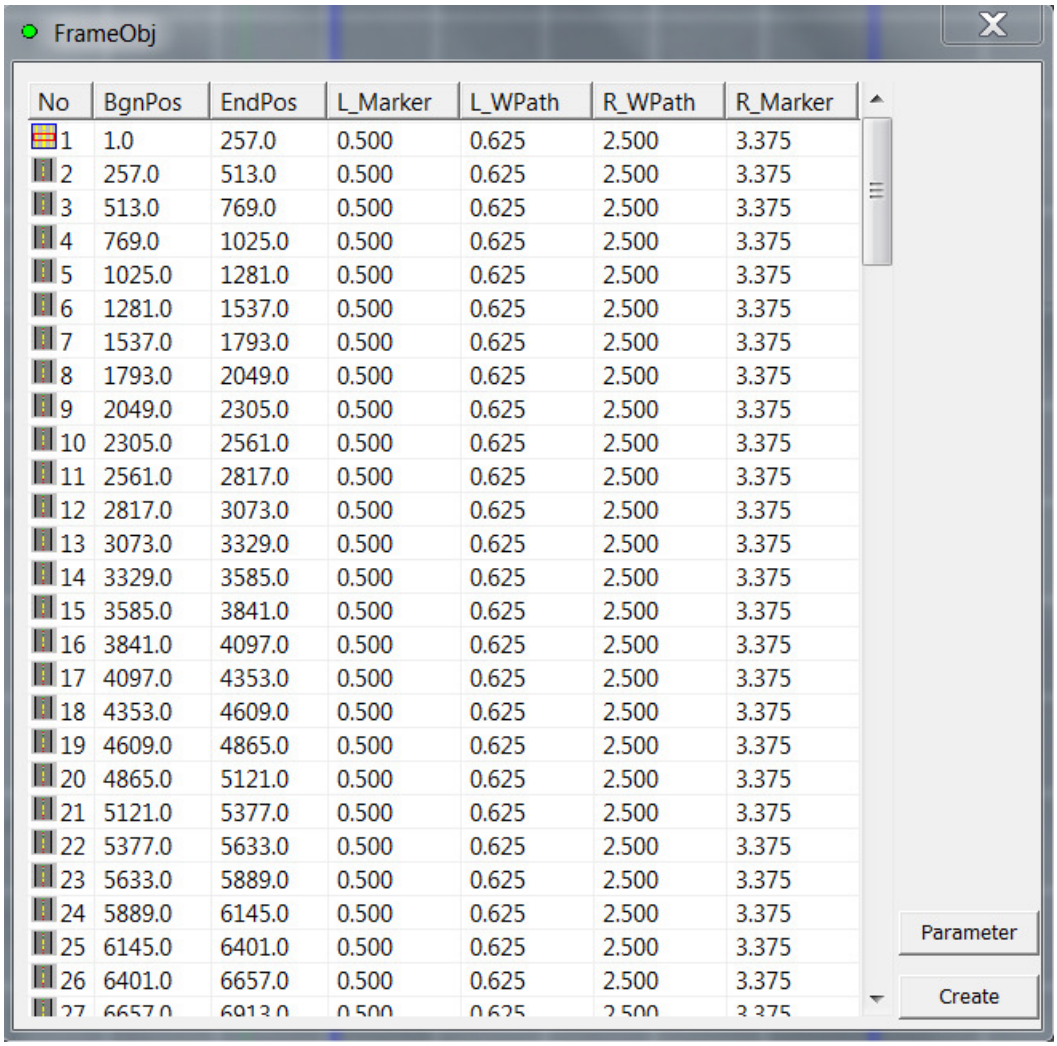


Figure 3-4: ADA3D FrameInformation Interface

Data Analysis

ADA-3D provides the functionalities to perform data analysis for Rutting, IRI/RN, and cracking. The data can be processed automatically or manually. The protocols used include UKScanner, and AASHTO Standards.

Click **Rutting** under the **Analyzer** menu**,** the rutting interface is shown in **Figure 3-5**. Hit **Process** and **ADA-3D** starts calculating rutting values in the left and right wheelpaths for each frame at predefined report interval. The progress bar demonstrates the percentage of the data that have been processed.

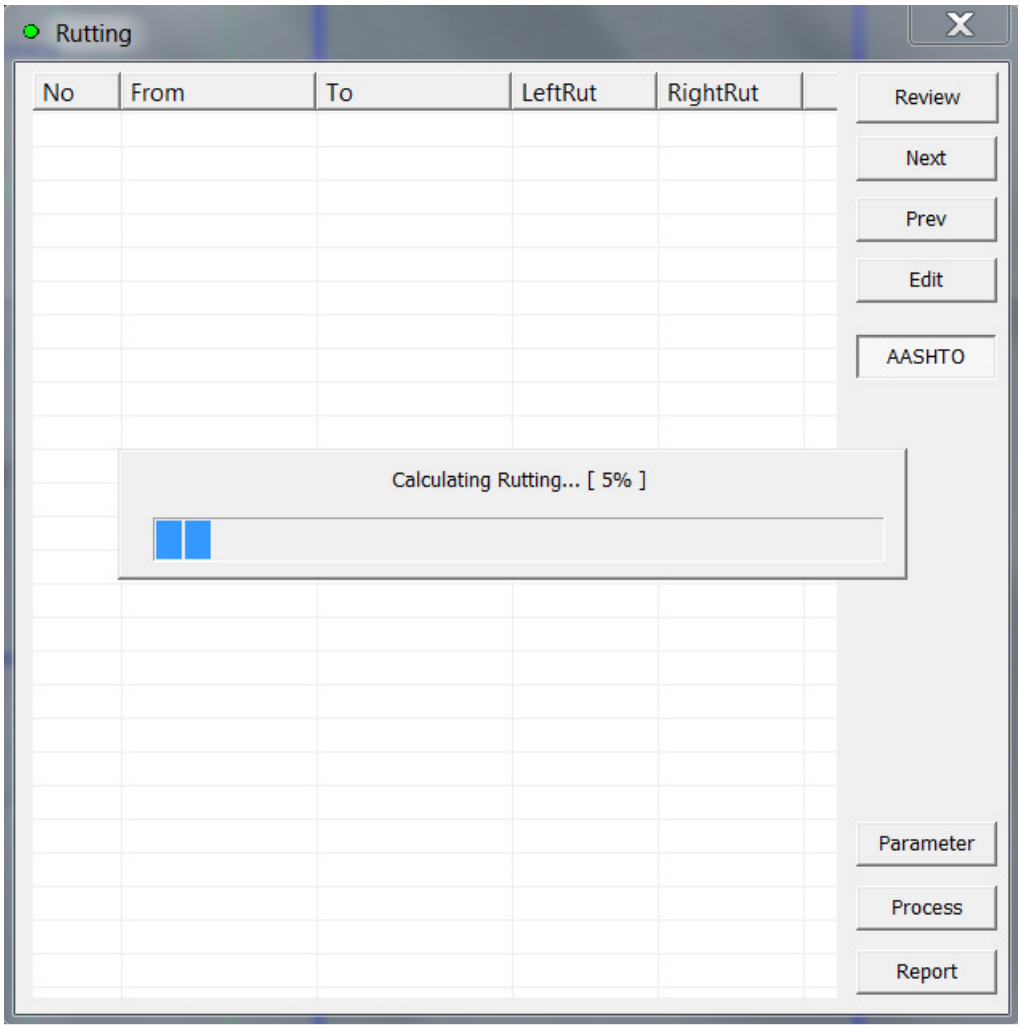
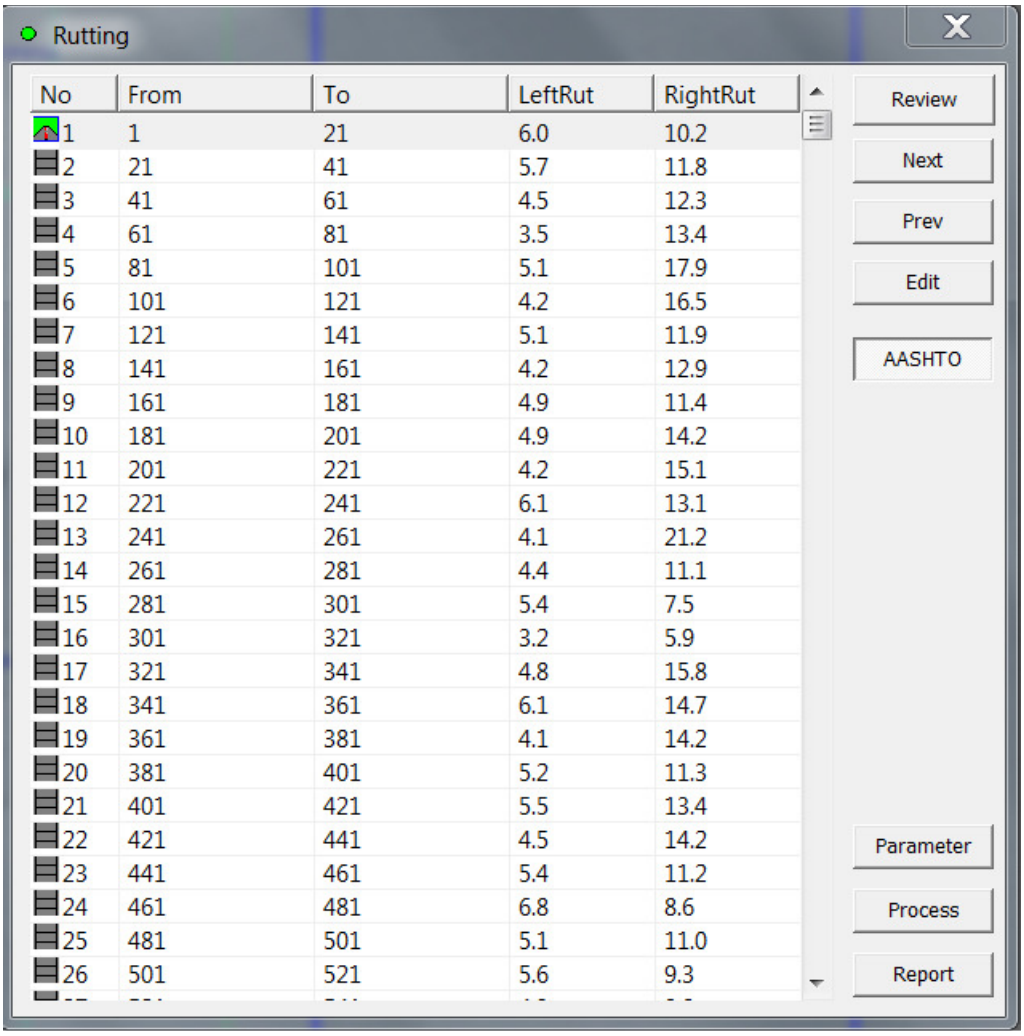


Figure 3-5: ADA3D Rutting Analyzer Interface

When the calculation process is completed, the results of rutting are shown in **Figure 3-6**. After selecting one fame, users can **Review** and **Edit** the results, but also view the **Next** and previous (**Prev**) frame. Users can hit **Report** button to save the results into database file.



No	From	To	LeftRut	RightRut
1	1	21	6.0	10.2
2	21	41	5.7	11.8
3	41	61	4.5	12.3
4	61	81	3.5	13.4
5	81	101	5.1	17.9
6	101	121	4.2	16.5
7	121	141	5.1	11.9
8	141	161	4.2	12.9
9	161	181	4.9	11.4
10	181	201	4.9	14.2
11	201	221	4.2	15.1
12	221	241	6.1	13.1
13	241	261	4.1	21.2
14	261	281	4.4	11.1
15	281	301	5.4	7.5
16	301	321	3.2	5.9
17	321	341	4.8	15.8
18	341	361	6.1	14.7
19	361	381	4.1	14.2
20	381	401	5.2	11.3
21	401	421	5.5	13.4
22	421	441	4.5	14.2
23	441	461	5.4	11.2
24	461	481	6.8	8.6
25	481	501	5.1	11.0
26	501	521	5.6	9.3

Figure 3-6: ADA3D Rutting Results

Similarly, **ADA-3D** can calculate IRI/RN, and distresses automatically (**Figure 3-7** and **Figure 3-8**). IRI and RN values in the left and right wheelpaths are calculated.

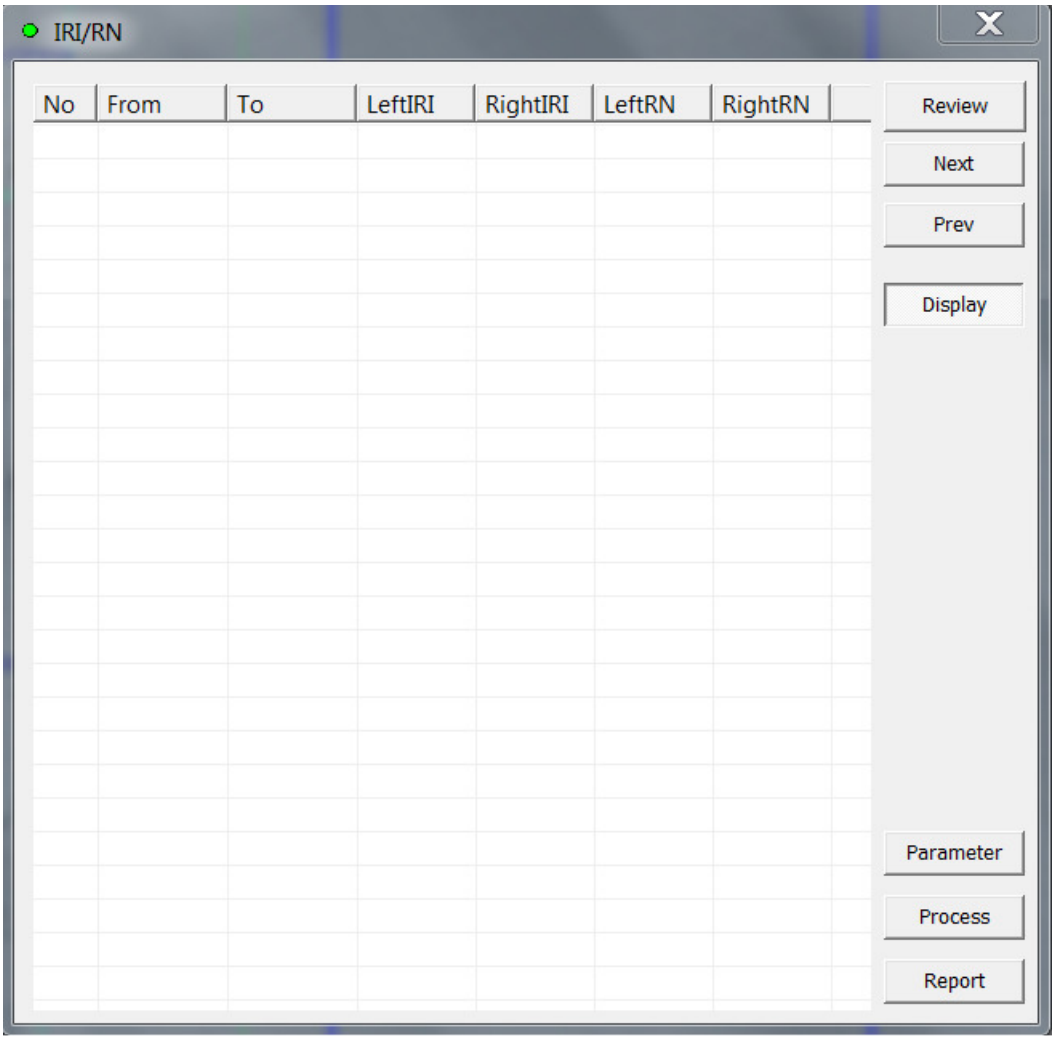


Figure 3-7: ADA3D IRI/RN Interface

ADA-3D is designed to detect longitudinal, transverse, block, and alligator cracks, calculate their lengths, widths, and other general information sets. The following data for each crack are recorded:

No: Frame number.

ID: Crack ID.

DMI: The location of the crack in terms of DMI pulse.

Type: Type of crack, including Alligator Cracking, Longitudinal Cracking, Transverse Cracking, Block Cracking.

AvgWid: Average Crack Width.

RunLen: Crack length.

Dir: Direction of the crack.

Size: Size of the crack.

During the data process, the status of processed iamges is represented as dots. Each dot stands for one image. Users can put mouse on it to show the detailed information, right click the dot to go to process the corresponding image (**Figure 3-8**). Different color represents different status: ○ - Pending ● - Review ● - Current image

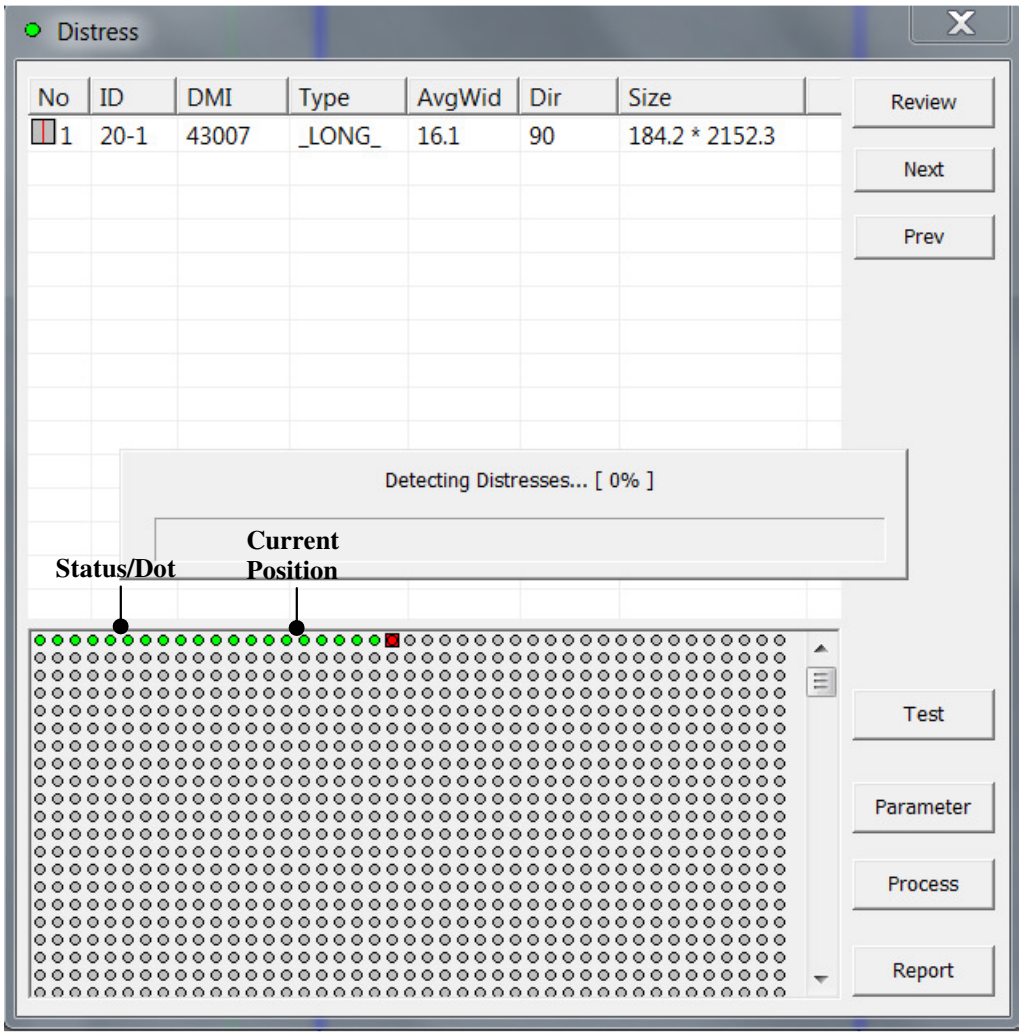


Figure 3-8: ADA3D Automated Distress Interface

ADA-3D also allows user to manually survey the data and identify cracking. Hit **Manual3DDistress** and the manual distress survey interface is shown in **Figure 3-9**. To manually mark a crack, users need to select the crack type from the toolbox (**Figure 3-10**), draw a rectangular box that is able to include the crack on the **ADA-3D** image (**Figure 3-1**), and then hit **ENTER** key on computer keyboard to save the manually marked crack. To delete, user can select the **Delete** icon from the toolbox (**Figure 3-10**), draw a rectangular box

to select the crack on the **ADA-3D** image (**Figure 3-1**), and then hit **DELETE** key on computer keyboard to delete the manually marked crack.

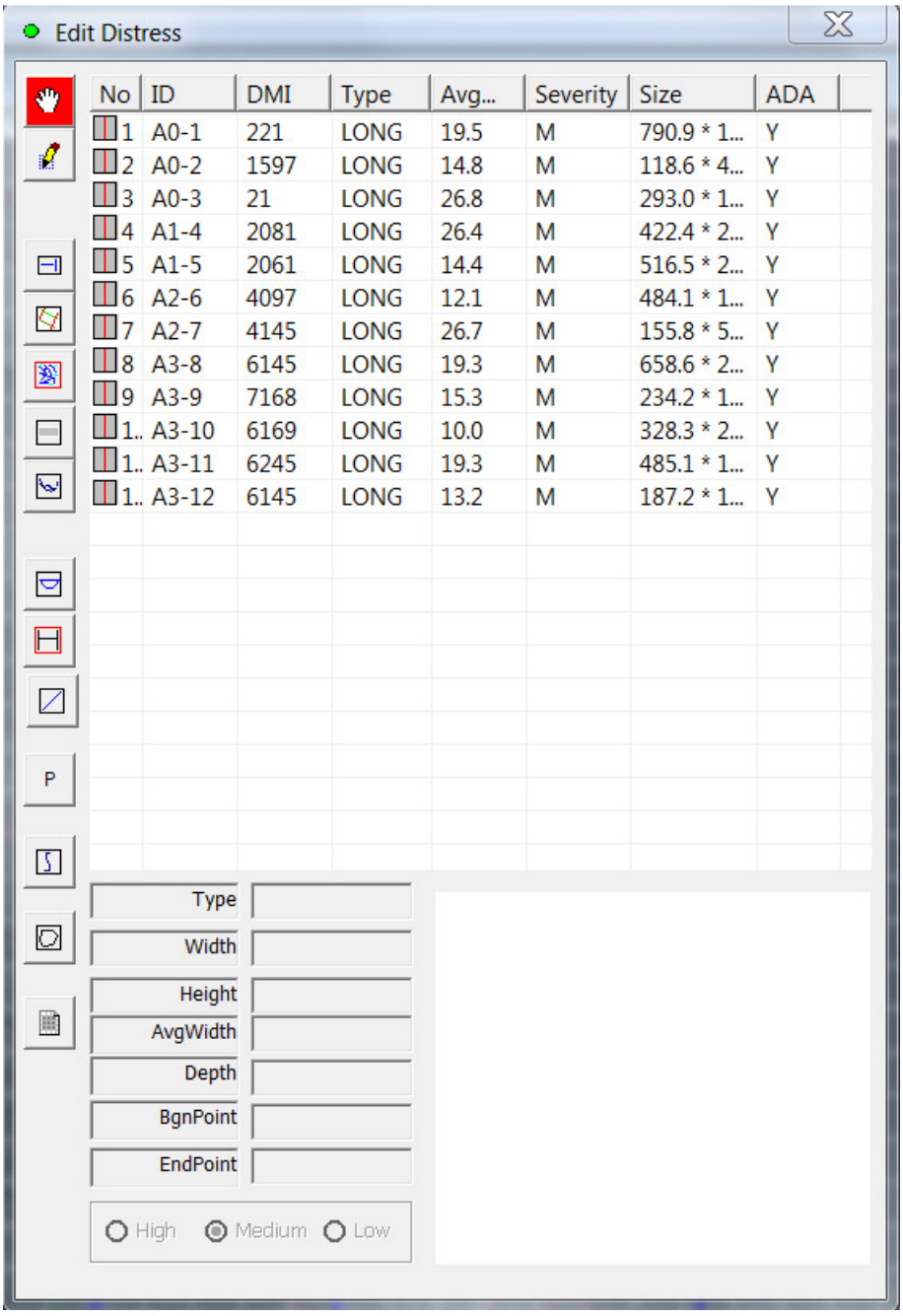


Figure 3-9: ADA3D Manual Distress Survey Interface

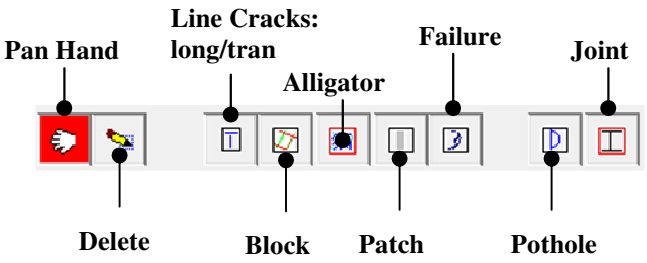


Figure 3-10: ADA3D Manual Distress Survey Toolbox

The current version of **ADA-3D** software can summarize crack data based on two cracking protocols: UK Scanner (**Figure 3-11**) and AASHTO draft cracking protocol (**Figure 3-12**), whose interfaces can be opened by clicking **UKScanner** and **AASHTOStandards** under **Analyzer** menu.

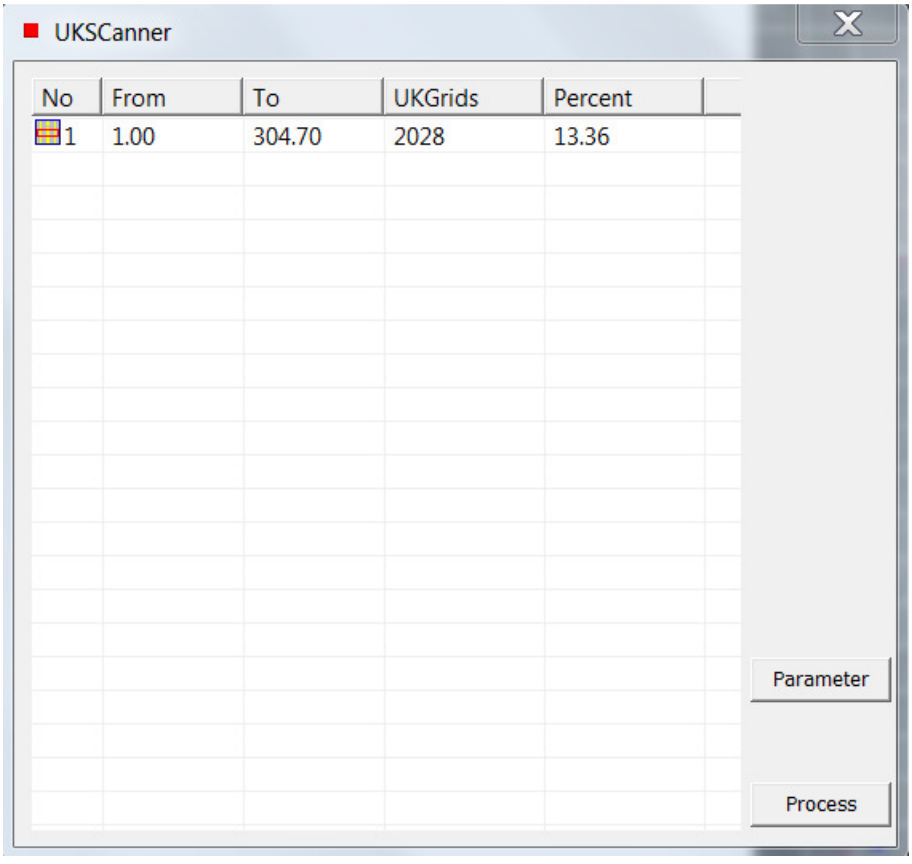


Figure 3-11: ADA3D UKScanner Interface

The draft AASHTO PP 67-10 protocol reports three types of distress (longitudinal cracking, transverse cracking, and pattern cracking) in five zones within a pavement lane. For each distress type, length and width are calculated.

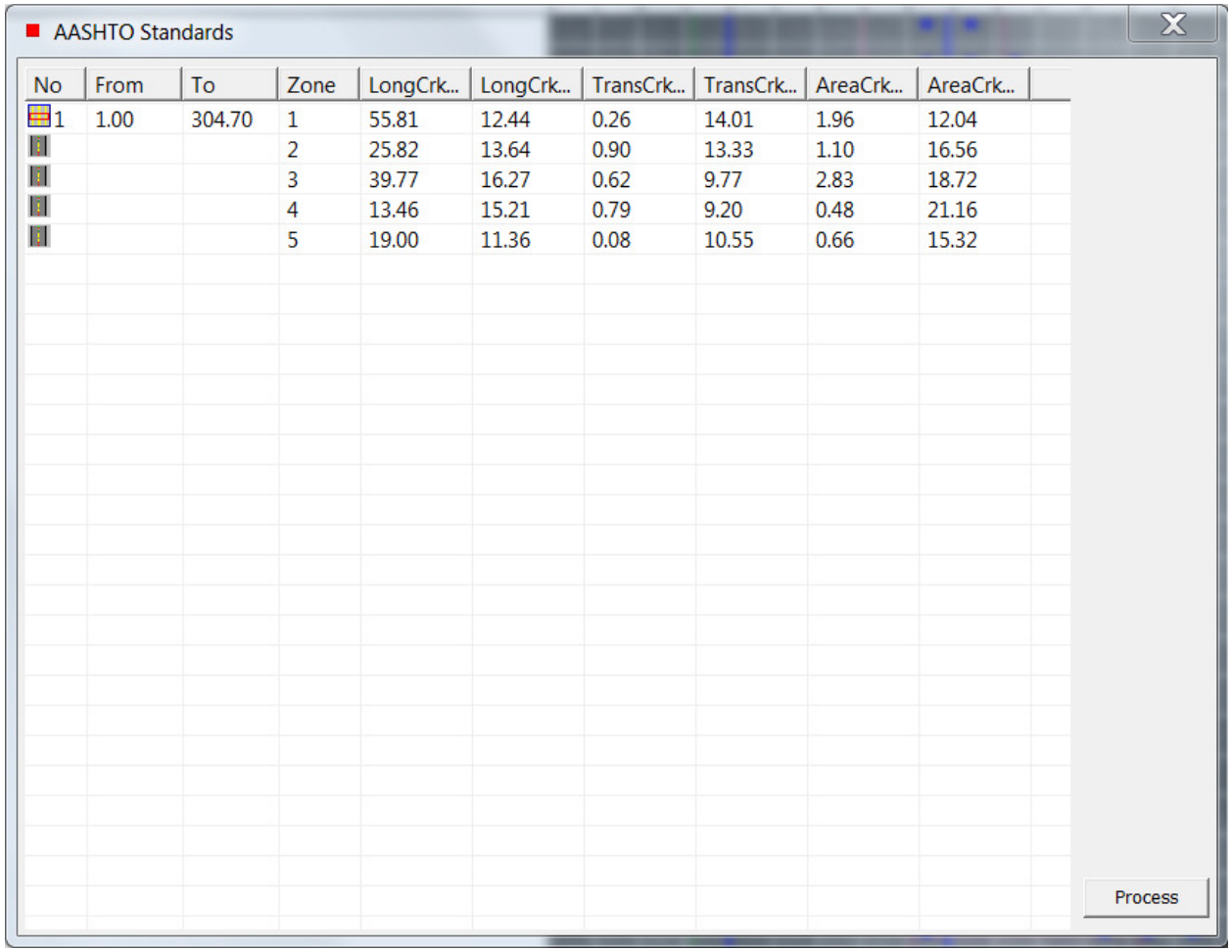


Figure 3-12: ADA3D AASHTOStandards Interface

Automated Distress Analysis Procedure

In summary, the automated distress analysis procedure includes the following nine steps. Even though some of the Figures may have already shown before this section, this user manual includes one screenshot for each step in order to maintain the integrity of the analysis procedure. It will also help users follow the procedure easily without flipping throughout the user manual to reference the figures.

Step 1: Launch **ADA-3D** and hit **File->open** to open a database (**Figure 3-13**)

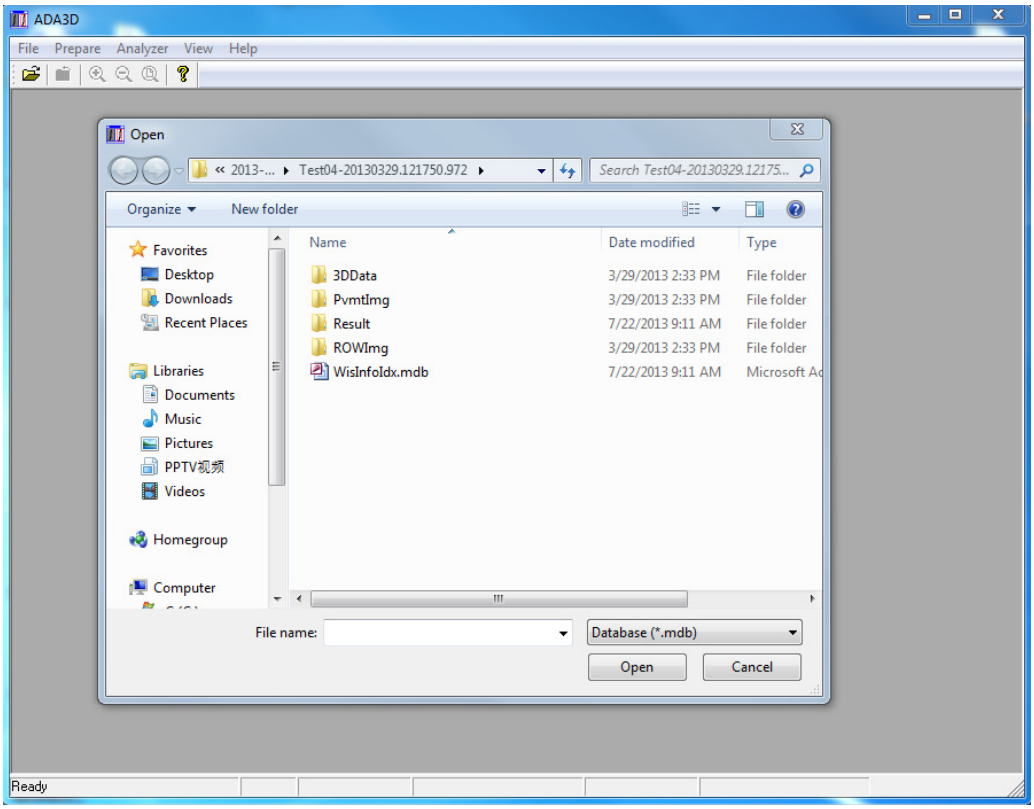


Figure 3-13 Automated Distress Analysis Procedure - Step 1

Step 2: Hit **Prepare->AdjustParameter**" to pop up a dialog and use **Edit** button to adjust parameters. Afterwards, hit the **Apply** button to save the changes. (**Figure 3-14**)

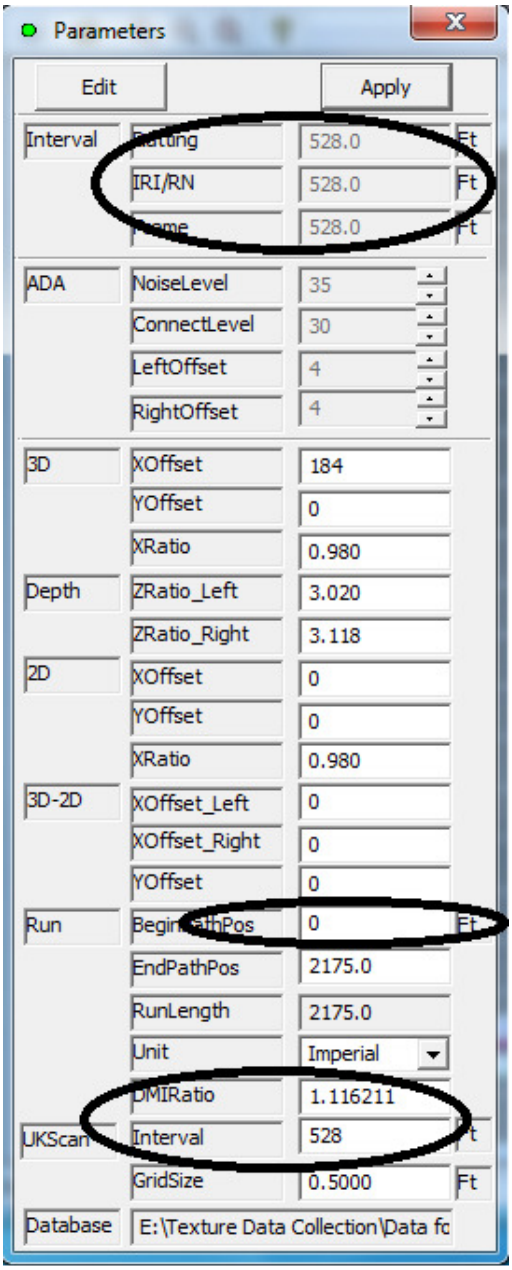


Figure 3-14 Automated Distress Analysis Procedure - Step 2

Step 3: Hit "**Prepare->FrameInformation**" to pop up a dialog and then hit "**Create**" button to create frame objects. (**Figure 3-15**)

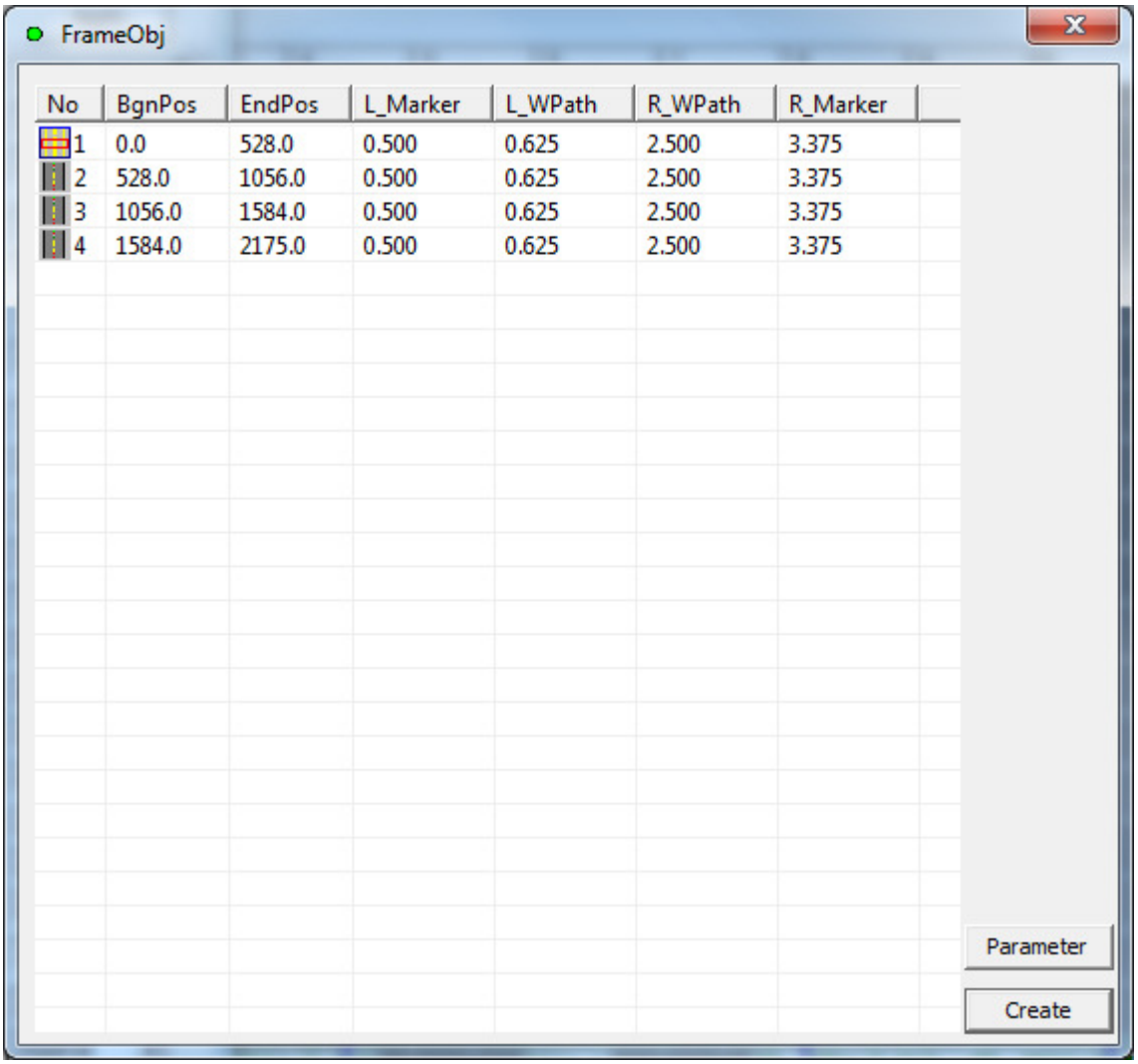


Figure 3-15 Automated Distress Analysis Procedure - Step 3

Step 4: a) Hit "**Analyzer->Rutting**" to pop up a dialog and click "**Process**" button to perform rutting calculations;

b) Upon completing calculation, hit the "**Report**" button to save the results into database file;

c) **Close** this dialogue. (**Figure 3-16**)

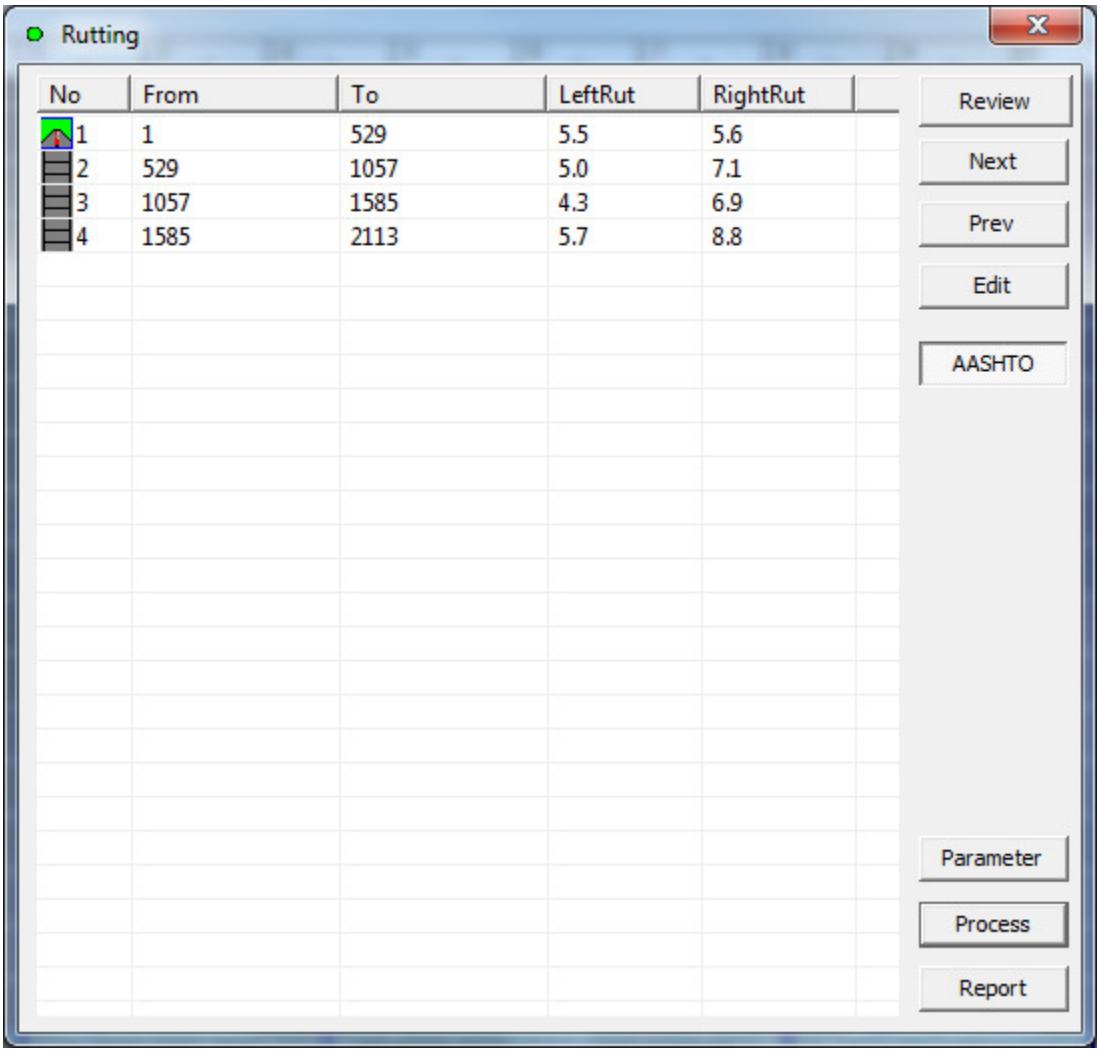


Figure 3-16 Automated Distress Analysis Procedure - Step 4

Step 5: a) Hit "**Analyzer->IRI/RN**" to pop up a dialog and click "**Process**" button to perform IRI/RN calculations;

b) Upon completing calculation, hit the "**Report**" button to save the results into database file;

c) **Close** this dialogue. (**Figure 3-17**)

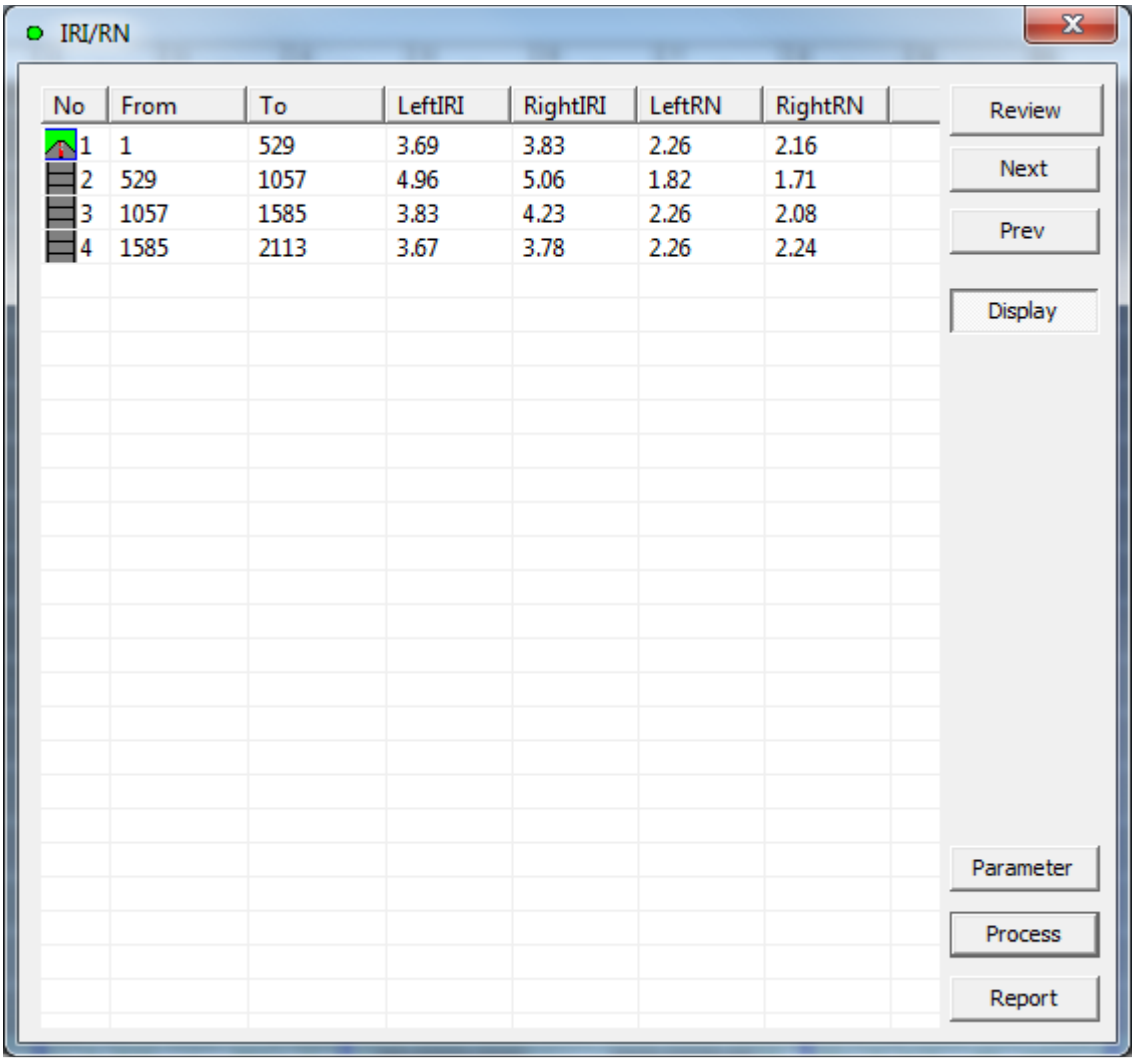


Figure 3-17 Automated Distress Analysis Procedure - Step 5

Step 6: a) Hit "**Analyzer->Auto3DDistress**" to pop up a dialog and click "**Process**" button to detect distresses;

b) Upon completing calculation, hit the "**Report**" button to save the results into database file;

c) **Close** this dialogue. (**Figure 3-18**)

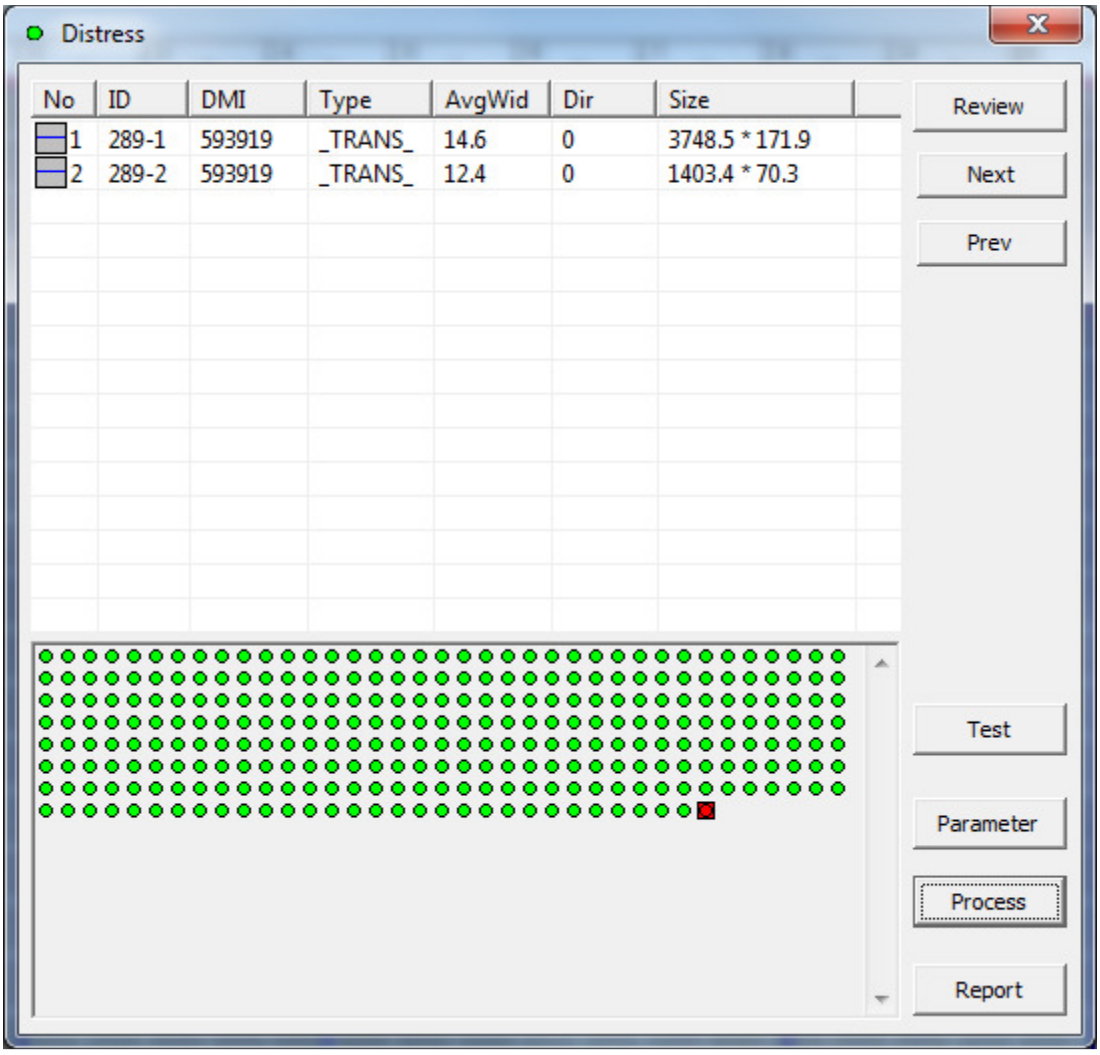


Figure 3-18 Automated Distress Analysis Procedure - Step 6

Step 7: Hit "**Analyzer->UKSCanner**" to pop up a dialog and click "**Process**" button to perform UKScanning statistic reporting. (**Figure 3-19**)

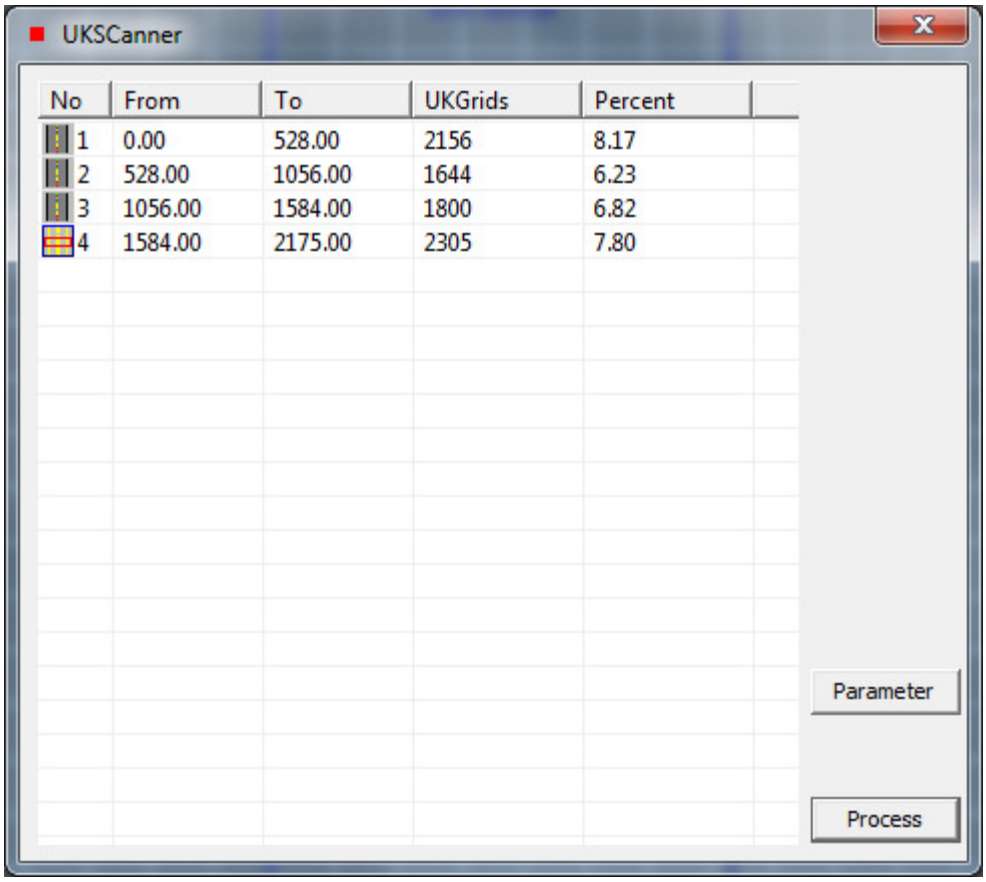
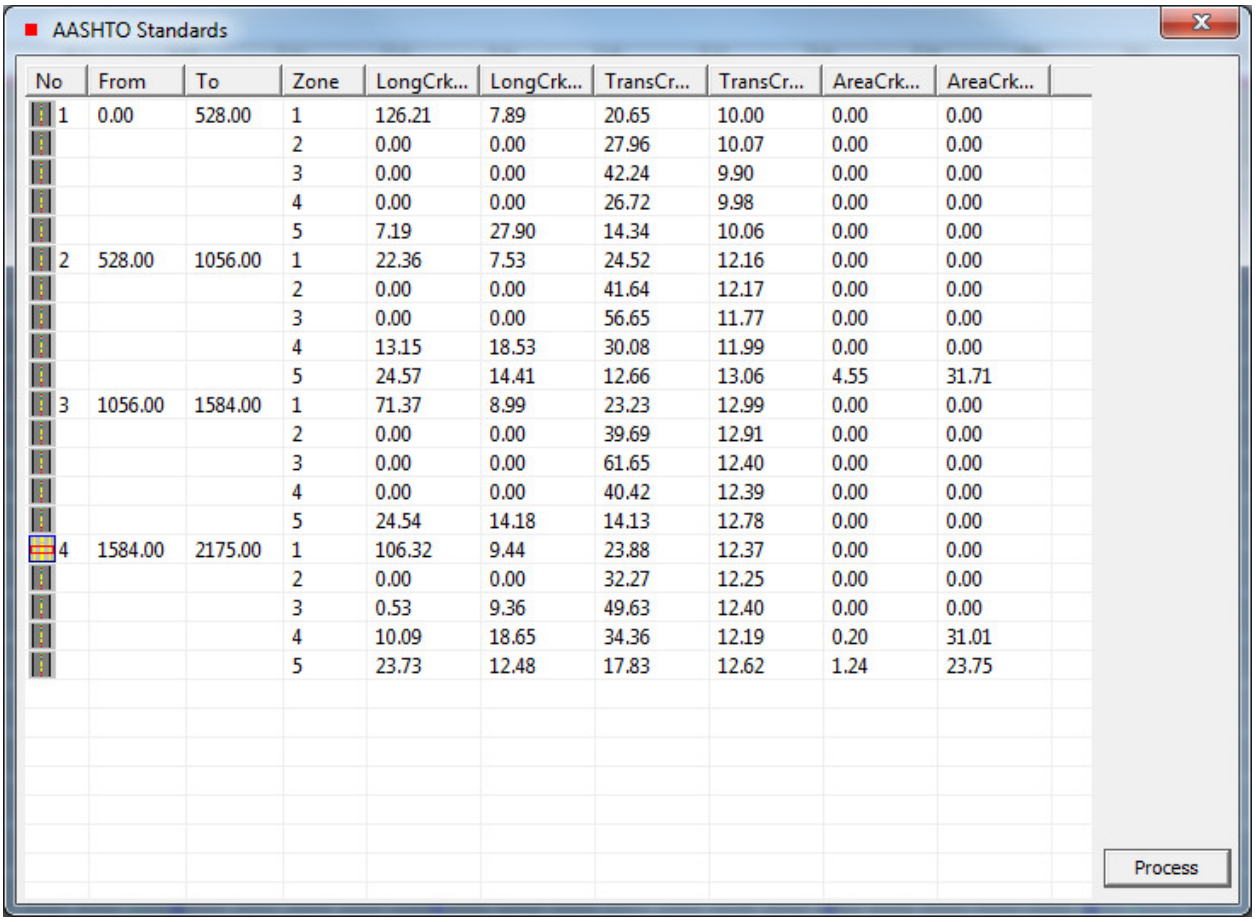


Figure 3-19 Automated Distress Analysis Procedure - Step 7

Step 8: Hit "**Analyzer->AASHTOStandard**" to pop up a dialog and click "**Process**" button to perform statistic reporting based on new draft AASHTO standard Protocol PP 69-10. (**Figure 3-20**)



No	From	To	Zone	LongCrk...	LongCrk...	TransCr...	TransCr...	AreaCrk...	AreaCrk...
1	0.00	528.00	1	126.21	7.89	20.65	10.00	0.00	0.00
			2	0.00	0.00	27.96	10.07	0.00	0.00
			3	0.00	0.00	42.24	9.90	0.00	0.00
			4	0.00	0.00	26.72	9.98	0.00	0.00
			5	7.19	27.90	14.34	10.06	0.00	0.00
2	528.00	1056.00	1	22.36	7.53	24.52	12.16	0.00	0.00
			2	0.00	0.00	41.64	12.17	0.00	0.00
			3	0.00	0.00	56.65	11.77	0.00	0.00
			4	13.15	18.53	30.08	11.99	0.00	0.00
			5	24.57	14.41	12.66	13.06	4.55	31.71
3	1056.00	1584.00	1	71.37	8.99	23.23	12.99	0.00	0.00
			2	0.00	0.00	39.69	12.91	0.00	0.00
			3	0.00	0.00	61.65	12.40	0.00	0.00
			4	0.00	0.00	40.42	12.39	0.00	0.00
			5	24.54	14.18	14.13	12.78	0.00	0.00
4	1584.00	2175.00	1	106.32	9.44	23.88	12.37	0.00	0.00
			2	0.00	0.00	32.27	12.25	0.00	0.00
			3	0.53	9.36	49.63	12.40	0.00	0.00
			4	10.09	18.65	34.36	12.19	0.20	31.01
			5	23.73	12.48	17.83	12.62	1.24	23.75

Figure 3-20 Automated Distress Analysis Procedure - Step 8

Step 9: Launch **MHIS-3D** and open the same database to view the data processing results. (**Figure 3-21**)

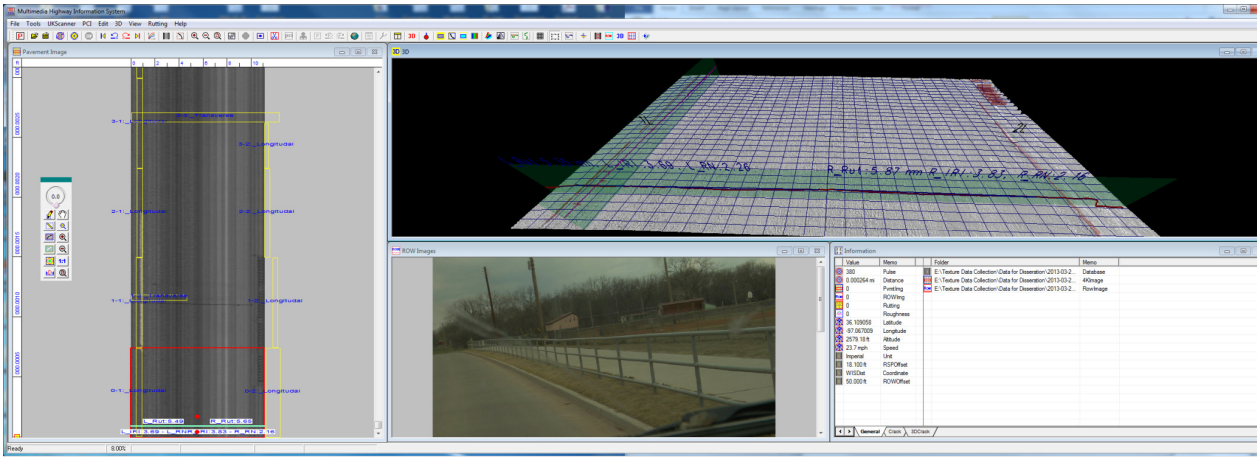


Figure 3-21 Automated Distress Analysis Procedure - Step 9

Manual Distress Analysis Procedure

ADA-3D also allows user to manually process cracks. This section streamlines the manual distress analysis procedure to assist users easily following the procedure. In order to maintain the integrity of the procedure, previously appeared figures are provided along with the procedure as well.

Step 1: Launch **ADA-3D** and hit **File->open** to open a database (**Figure 3-22**)

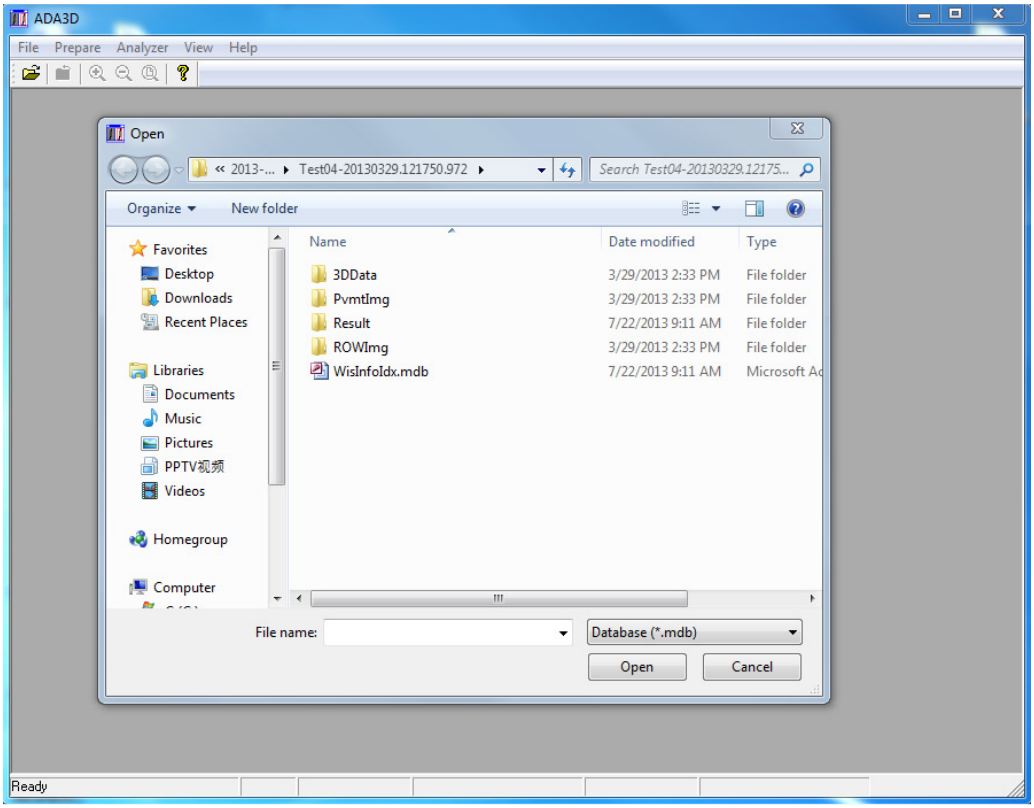


Figure 3-22 Manual Distress Analysis Procedure - Step 1

Step 2: Hit **Prepare->AdjustParameter**" to pop up a dialog and use **Edit** button to adjust parameters. Afterwards, hit the **Apply** button to save the changes. (**Figure 3-23**)

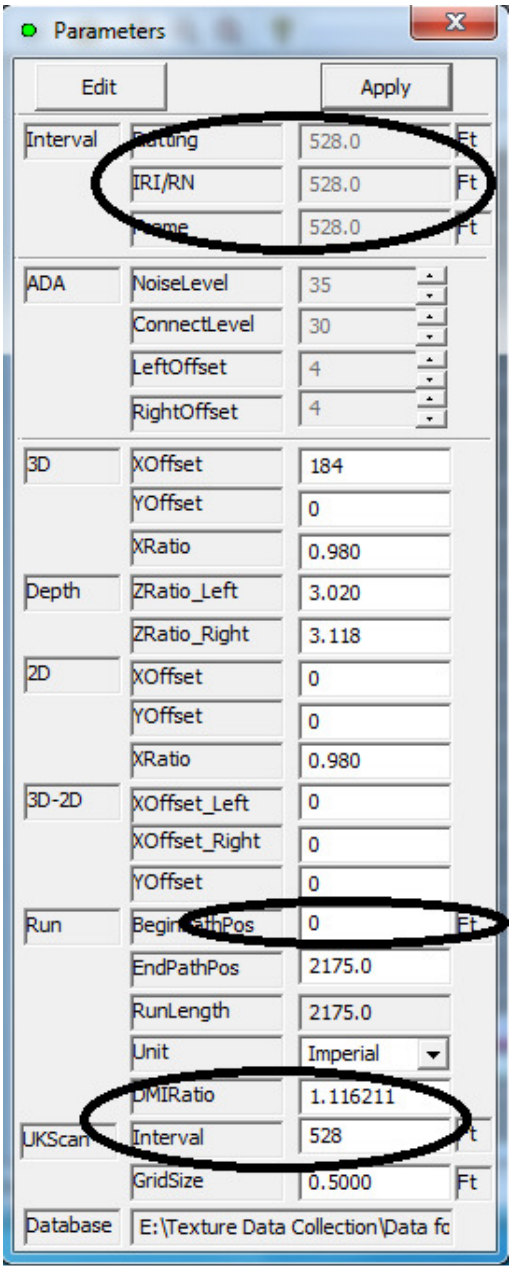


Figure 3-23 Manual Distress Analysis Procedure - Step 2

Step 3: Hit "**Prepare->FrameInformation**" to pop up a dialog and then hit "**Create**" button to create frame objects. (**Figure 3-24**)

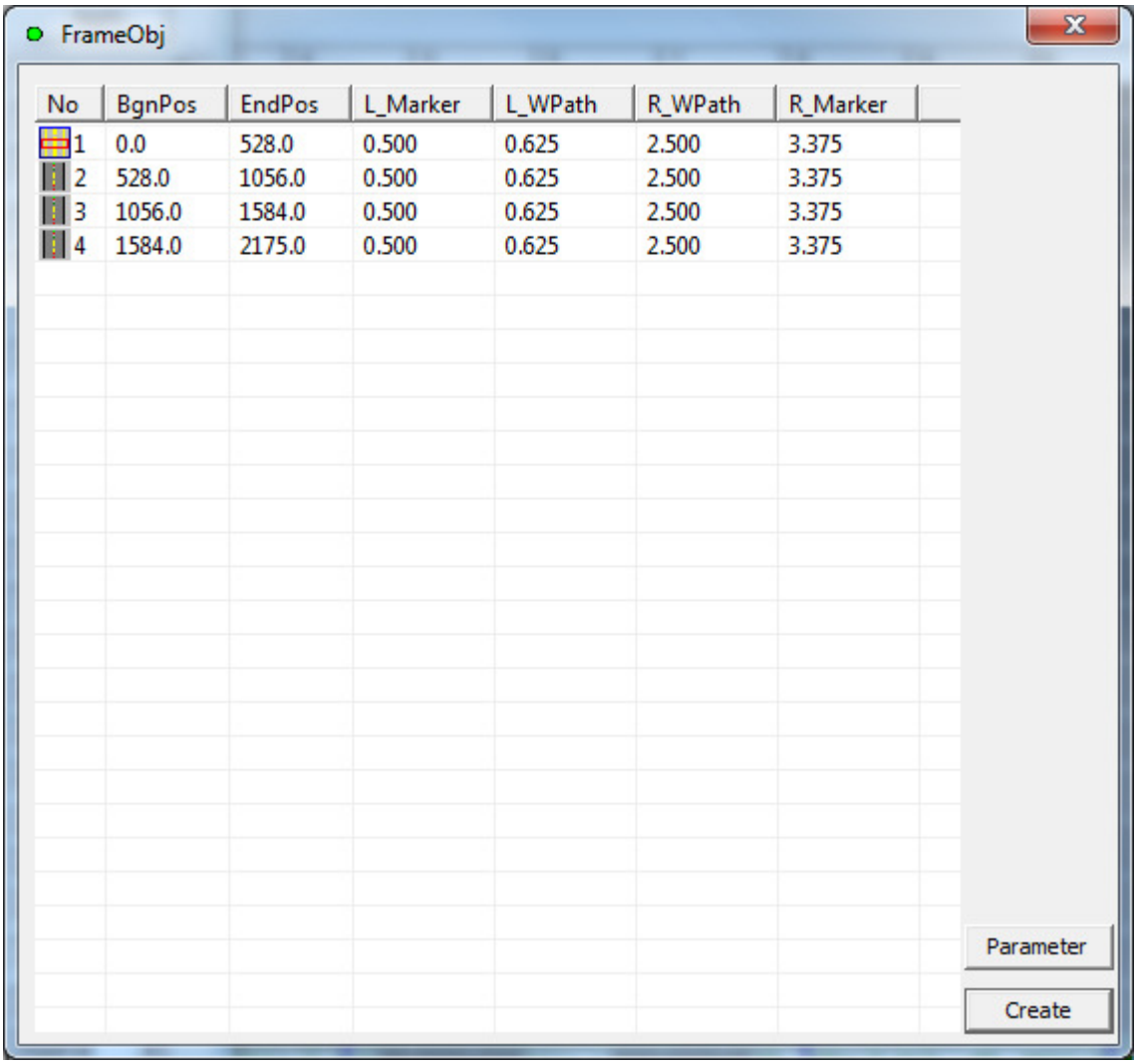


Figure 3-24 Manual Distress Analysis Procedure - Step 1

Step 4: a) Hit "**Analyzer->Manual3DDistress**" to pop up a manual survey dialog;

b) To manually mark a crack, users need to select the crack type from the toolbox, draw a rectangular box that is able to include the crack on the **ADA-3D** image, and then hit **ENTER** key on computer keyboard to save the manually marked crack;

c) To delete, user can select the **Delete** icon from the toolbox, draw a rectangular box to select the crack on the **ADA-3D** image, and then hit **DELETE** key on computer keyboard to delete the manually marked crack. (**Figure 3-25**)

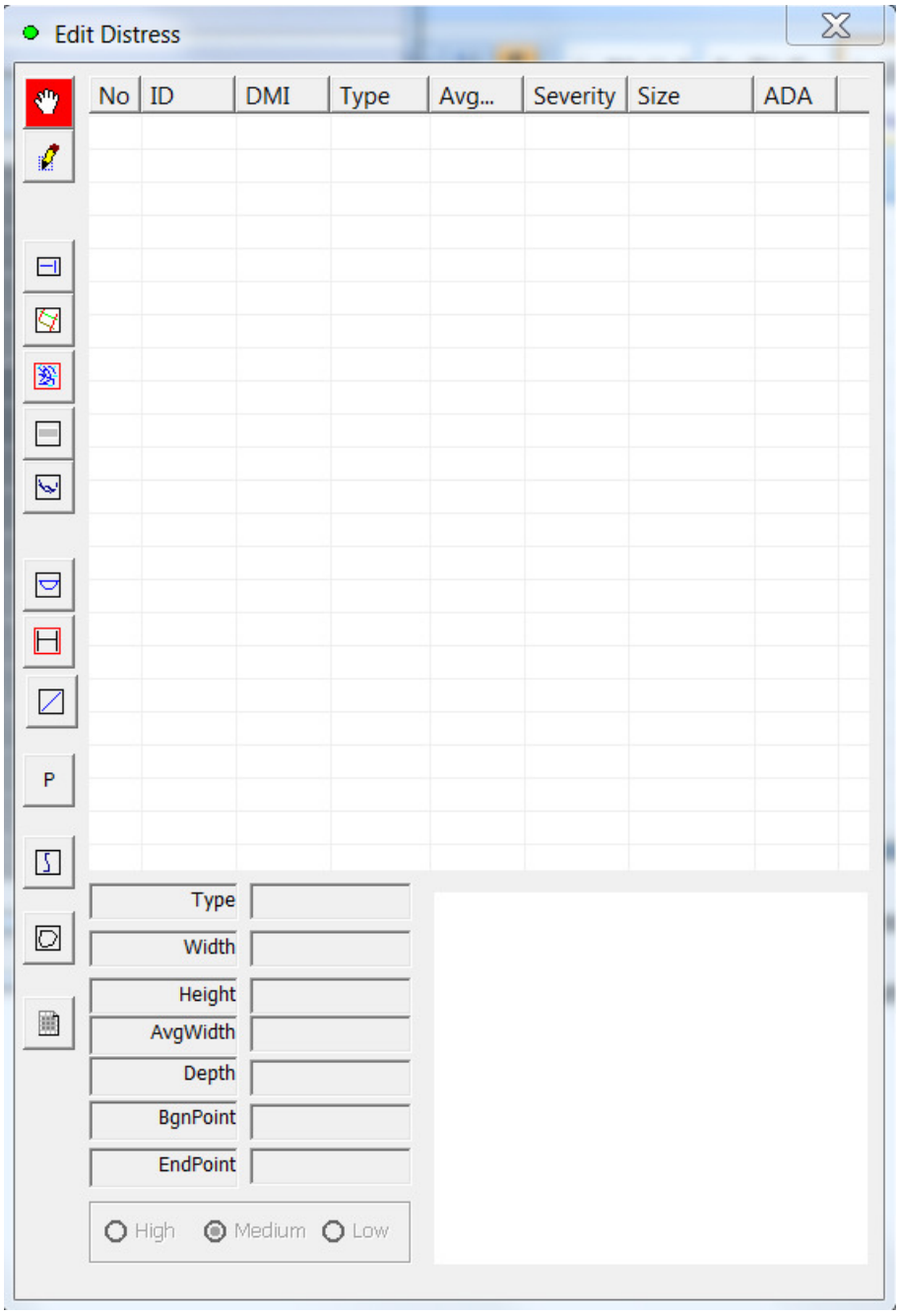


Figure 3-25 Manual Distress Analysis Procedure - Step 4

VIEWING DATA - MULTIMEDIA HIGHWAY INFORMATION SYSTEM 3D (MHIS-3D)

MHIS-3D Deluxe provides the user with a 2D and 3D graphical representation of all the data sets collected using WayLink **DHDV** vehicle. These data sets, which are accessed and organized by **MHIS-3D Deluxe**, include Pavement Vision 3D images (**PaveVision3D subsystem**), Right-of-Way images (**PRIS-HD subsystem**), DMI and GPS readings (**PSA subsystem**).

MHIS-3D Deluxe provides a geo-referenced map to access multiple DHDV data collections for a certain region shown in **Project Frame** in **Figure 4-1**. The location of the data set displayed in the current window is visually shown in a Google Map. **MHIS-3D Deluxe** displays the distresses detected by **ADA-2D** and **ADA-3D** by default. The distress affected area can also be marked manually on the pavement images with provided manual rating tools. The current distress definitions and measurement criterion used in **MHIS-3D Deluxe** are based on ASTM standard D6433-03: *Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys*. LTPP definition is also implemented as the second option. The user's markings as input are processed and integrated into the DHDV database through **MHIS-3D Deluxe**. Particularly, frames can be marked on the pavement images in MHIS Deluxe for MicroPaver user. A MicroPaver compatible database in MDB or XML format can be produced with the MHIS. Other distress indices, such as AASHTO protocol, World Bank's CI and UK SCANNER can also be produced in the MHIS.

Figure 4-1 shows the overall user interface of **MHIS-3D Deluxe**. Each sub-window in **MHIS-3D Deluxe** of **Figure 4-1** is an MHIS Frame. The details of operation and options of all controls will be discussed. It is important to note that **MHIS-3D Deluxe** will only access databases collected using WayLink DHDV (V. 3.1 or above), and runs under Microsoft Windows 7.

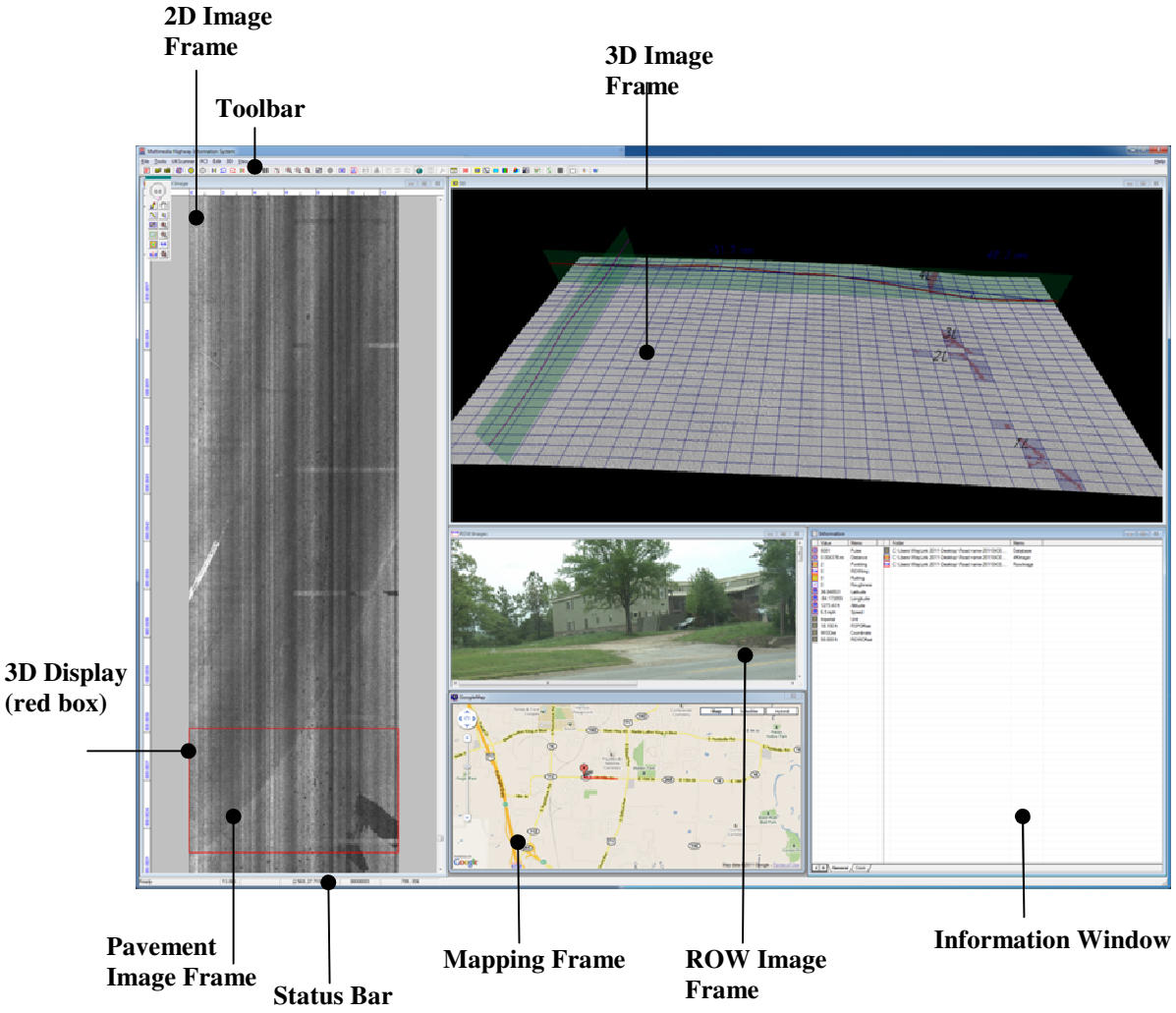


Figure 4-1 MHIS-3D Deluxe Overall Interface

MHIS-3D Deluxe Description

Menu

File Menu

- **Project**: This is a tool for database management for a certain region. Multiple route databases can be imported into MHIS Deluxe and the locations of the data collections are shown in a single window. Double clicking each of the routes goes to the specific route data collection.
- **Open:** Allows the user to open a database for review or manual distress survey. The database must have been created using WayLink Systems DHDV.
- **Close:** Closes the current database.
- **Recently Opened Files:** Allows the user to open a database which has been recently viewed.

- **Exit:** Exits the program.

Tools

- **Import RSP:** Import Dynatest RSP data. RSP file will be imported to WayLink database automatically if it is present in the same folder. A reminder window will pop up if RSP data has already been imported
- **AdjustImgColor:** Adjust the color imbalance between the left side and right side of the pavement image.
- **AdjustOffset:** Adjust the alignment between the left side and the right side of the pavement image.
- **AASHTO/CI:** Calculate crack indices based on AASHTO protocol and/or CI protocol.
- **Log Information:** Enables/Disables the display of the Log Information recorded during data collection.
- **Evt Marker Info:** Enables/Disables the display of the Event Marker recorded during data collection.

UKScanner

- **Active**: Activate the UKScanner Tool.
- **SectionDlg**: Enables/Disables the display of the UKScanner sections.
- **Calculate Index**: Mark the cracked grid based on ADA detection.
- **OutputData**: Report UK SCANNER index for every user-defined road segment.

PCI

- **ShowPCIInfoDlg:** Show PCI frame information. Right click the grid to delete frames
- **AutoAddFrames:** Add frames in the entire database based on the MicroPaver definition.
- **ConfirmFrame:** Confirm the manual distress rating on a frame. **Ctrl+S** is the short key.
- **NextFrame:** Jump to next frame. "]" is the hot key.
- **PrevFrame:** Jump to previous frame. "[" is the hot key.
- **OutputPCIData:** Convert the distress data to MicroPaver compatible data in format of xml. The files can be found in the working direction after the conversion.
- **BatchReportPCIData:** A batch command of **OutputPCIData**. It will process all the WayLink database under a certain folder.

Edit

- **Undo:** Undo the previous step during the manual survey. **Ctrl + Z** is the short key.
- **DelFrameADACrks:** Delete the ADA cracks in a frame. **Ctrl + A** is the short key
- **DelADACrks:** Delete all the ADA cracks in all the frames.

3D

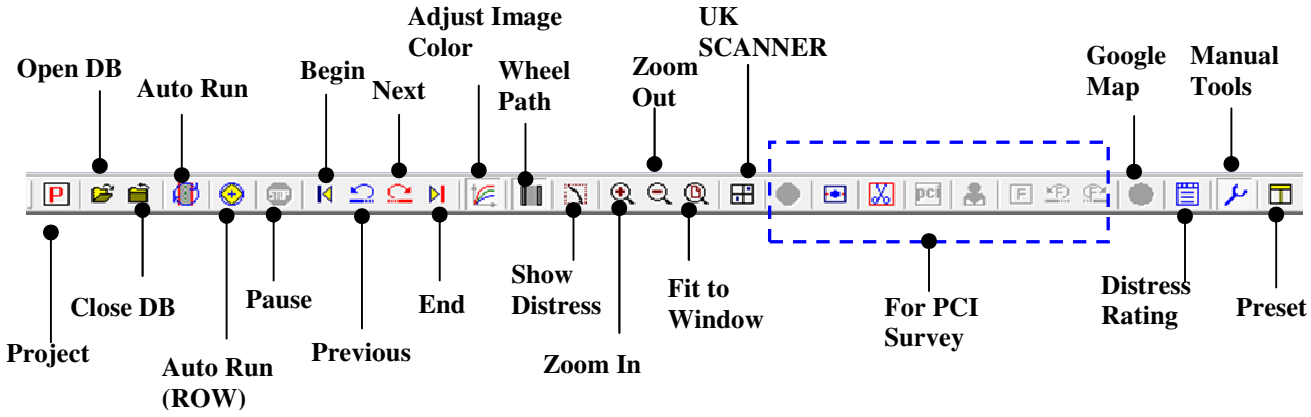
- **VerticalFilter:** Used to filter noises in the vertical direction.
- **Copy3DData:** Used to copy the 3D data.

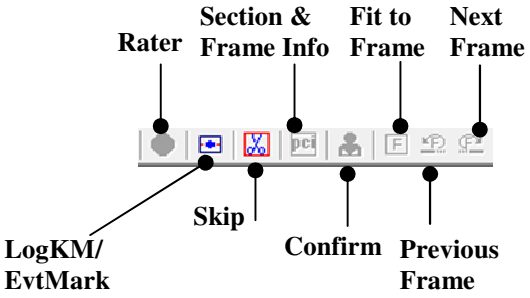
View Menu

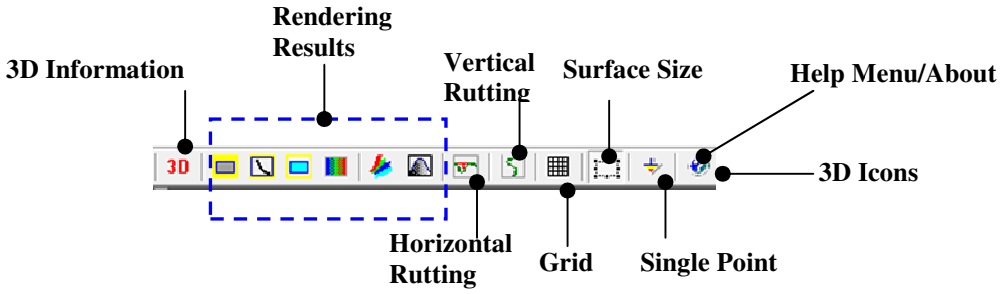
- **Normal:** Displays **Pavement Image Frame**, **ROW Image Frame**, and **Information Frame**.
- **Distress Track:** Displays or hides The **ROW Image Frame**. The setting enables the user to focus on distress survey.
- **Crack Map:** toggles crack map generated from ADA.
- **Status Bar:** Toggles the **Status Bar** on/off**.**
- **Toolbar:** Toggles the **Toolbar** on/off.
- **WheelPath:** Displays, or hides the wheelpath on the 2D images.
- **Crack Info:** Displays, or hides ADA or Manual results on the 2D Images.

Help Menu

- **About MHIS Deluxe:** Displays the **About** dialog box, which contains contact information. For the **MHIS Deluxe** Demo version, it also shows the available usage information.







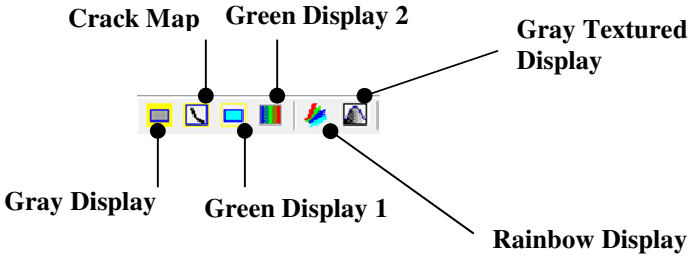


Figure 4-2 Toolbar

General Toolbar

Figure 4-2 shows the MHIS Deluxe toolbar. The toolbar is used for accessing and closing databases, implementing zoom functionality, and arranging frames according to user selection.

Project: This is a tool for database management for a certain region. Multiple route databases can be imported into MHIS Deluxe and the locations of the data collections are shown in a single window. Double clicking each of the routes goes to the specific route data collection.

Open DB: Allows the user to open a database for review or manual distress survey. The database must have been produced by WayLink Systems DHDV.

Close DB: Closes the current database.

Auto Run: Displays the data set continuously based on the pace of pavement image.

Auto Run (ROW): Displays the data set continuously based on the pace of ROW image.

Pause: Pauses/Resumes the data reviewing.

Begin: Goes to the beginning of the database.

Previous: Goes to the previous data set.

Next: Goes to the next data set.

End: Goes to the end of the database.

Adjust Image Color: Adjusts the color imbalance between the left side and right side of the pavement image.

WheelPath: Displays the wheelpath area.

Show Distress: Enables/Disables the display of distress code and text.

Zoom In: Zooms in the selected frame.

Zoom Out: Zooms out the selected frame.

Fit to Window: Fits the image to frame size.

UK SCANNER: Enables/Disables the display of UK SCANNER grid.

Google Map: Shows the location of the survey site on a Google map.

Distress Rating: Shows the manual distress rating sheet.

Manual Tools: Shows the floating tool bar menu for manual survey.

Preset: Fits all frames to main window.

The following buttons are for PCI survey.
Rater: Records the rater's work statistics.

LogKM/EvtMark: Enables/Disables the display of the Log Information and Event markers.

Skip: Allows the user to cut a road segment from the database and mark slabs for concrete pavement.

Section & Frame Info: Shows the section and frame information. The user is allowed to edit the frame length and frame ratio.

Confirm: Confirms the manual rating for a frame or frames.

Fit to Frame: Zoom the images to fit selected frame.

Previous Frame: Goes to the previous frame.

Next Frame: Goes to the next frame.

The following buttons are for the 3D Icons.
3D Information: Enables/Disables the display parameters.

Horizontal Rutting: Enables/Disables rutting in the Horizontal direction.

Vertical Rutting: Enables/Disables rutting in the vertical direction.

Grid: Enables/Disables a grid on 3D image.

Surface Size: Measure of a specified rectangular area (Values displayed on **Status Bar**).

Single Point: Shows the value of a single point on the 3D image. Shortcut key is the left mouse button (Values displayed on **Status Bar**).

Help Menu/About: Displays the **about** dialog**.**

The following buttons are for Rendering Results. These options are for a more natural look or just for different display modes.

Gray Display: Shows a solid gray display.

Crack Map: Shows a solid white display.

Green Display 1: Shows a bright green display.

Green Display 2: Shows a green display.

Rainbow Display: Shows a Colorful, rainbow like display.

Gray Textured Display: Shows a gray textured display.

Manual Survey Tools

When the  icon in the main window tool bar (**Figure 4-2**) is hit, the floating manual survey tools menu is shown in **Figure 4-3**. The buttons in this menu are specially used for manual distress survey in the 2D pavement images. A red background will be shown if the button is currently selected. For example, the draw tool  will be displayed as  if it is currently selected.

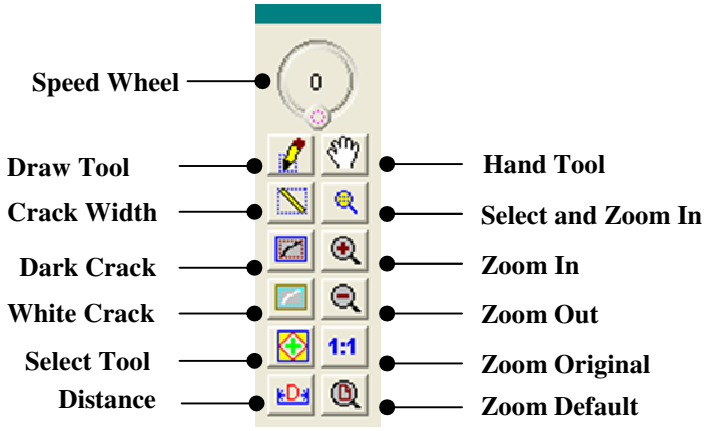


Figure 4-3 Manual Survey Tools

Speed Wheel: Changes the simulated speed by rotating the small bar on the speed wheel. The number in the center shows the current speed. Positive speed indicates downward moving direction while negative speed indicates upward moving direction. Positive speed simulates the onsite collection circumstance. Hitting **Space Bar** will pause/resume the simulation.

Draw Tool: Draws a rectangle over the distress affected area.

Crack Width: Draws a small rectangle sample area over the crack to automatically calculate the crack width.

Dark Crack: Detects the dark crack automatically by dragging the mouse over the area where the user observes a dark crack.

White Crack: Detects the white dark crack automatically by dragging the mouse over the area where the user observes a white crack.

Select Tool: Selects the distress bounding box and hit **Delete** to delete a record or multiple ones. Press Ctrl+Z to undo the deletion.

Distance: Draws a line on the image to measure the distance of interested place on the pavement. The length is shown in the third grid of the status bar (**Figure 4-1**).

Select and Zoom In: Selects an area of interest and displays it in its original size which is about 1mm/pixel. This is for detailed examination for a specific area.

Zoom In: Hits this button to zoom in the displayed pavement image.

Hand Tool: Moves the image around by left clicking and holding the mouse.

Zoom Out: Zooms out the displayed pavement image.

Zoom Original: Displays the image in its original size which is about 1mm/pixel.

Zoom Default: Fits the image to the frame size.

Manual Distress Survey Sheet

When  icon in the main window **Toolbar** is hit, a manual distress sheet which displays the distress categories as shown in **Figure 4-4**. The distress definition follows two separate distress standards. One is PCI standard. Another is called General and follows LTPP standard. The standard can be selected from the bottom of the window. For PCI standard, distresses are listed in two tab dialog: Asphalt and Concrete. For General standard, distresses are listed in three tab dialogs: ASP, JCP and CRCP. ASP stands for Asphalt Surfaced Pavement. JCP stands for Joint Concrete Pavement. CRCP stands for Continuous Reinforced Concrete Pavement.

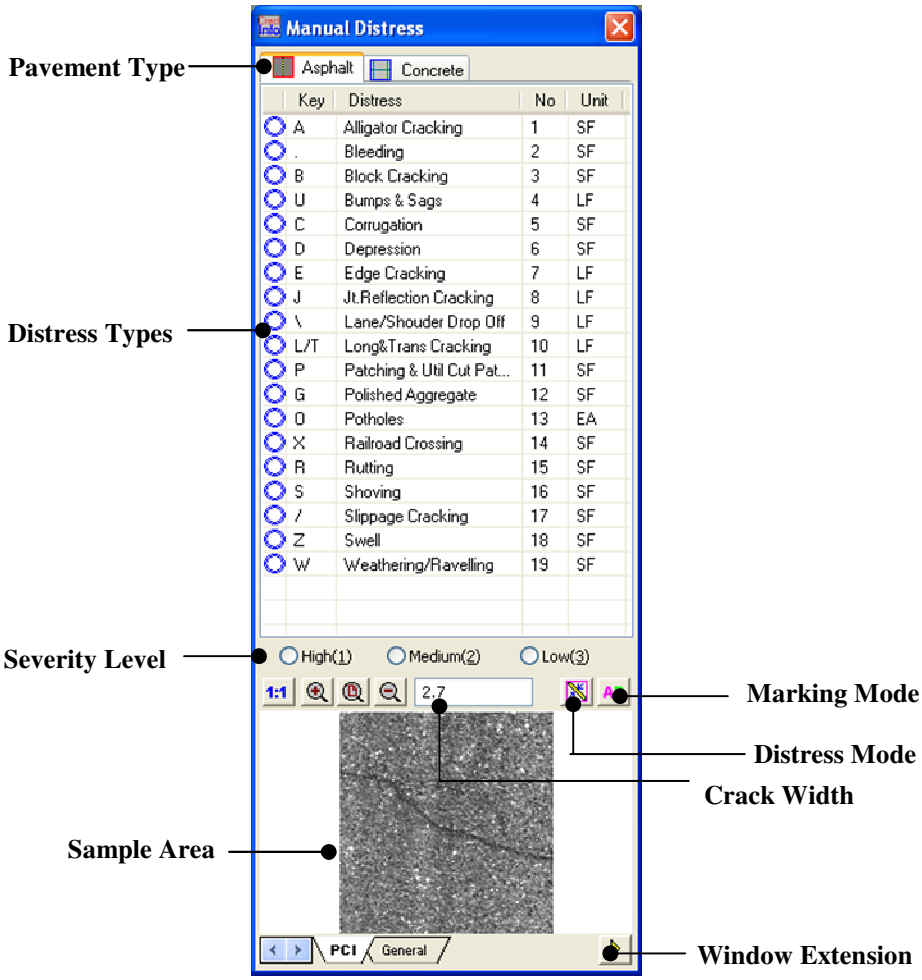


Figure 4-4 Manual Distress Survey Sheet

Asphalt: Tab for Asphalt Surfaced Road or Parking lot.

Concrete: Tab for Concrete Road or Parking lot.

Key: Hot Keys for choosing the distress types. For example, hit A for Alligator Cracking and hit B for Block Cracking. It is not case sensitive.

Distress: Distress types.

No: Serial number of distress types in each pavement type tab.

Crack Width: Displays the crack width. The value can be obtained automatically by clicking  button in the manual distress survey tools and select a sample area over the crack. The value can be edited by the user for correction.

Marking Mode: Allows the user to mark big distress area (eg. Big patching across several pavement images). Method: Hit , then double click on pavement image to locate top right point of the area; hit , then double click on pavement image to locate bottom right point of the area. Select the distress type and severity level, then hit Enter to confirm it.

Distress Mode: Displays crack width measurement.

Window Extension: Displays the window which shows the detailed description of each distress type.

Sample Area: Shows the area picked from the current distress from which the crack width is calculated.

PCI/General: Switches to the PCI based distress definitions or LTPP based distress definition.

Database Management Tool

DHDV collects data by routes. Each DHDV database file only contains the data for a route. The database management tool allows the user to import all the data collections for a certain region in **MHIS-3D Deluxe** and get access to view/analyze the data.

When  button in the main window tool bar **(Figure 4-1)** is hit or menu **File-Project** is selected, the **Project** window will pop up. It includes two tab dialogs: **Route** Dialog (**Figure 4-5**) and **GeoMap** Dialog (**Figure 4-6**). **Route** Dialog displays the routes which have been imported to a .tsk file. **GeoMap** Dialog displays the Geo-reference map for all the routes in the .tsk file.

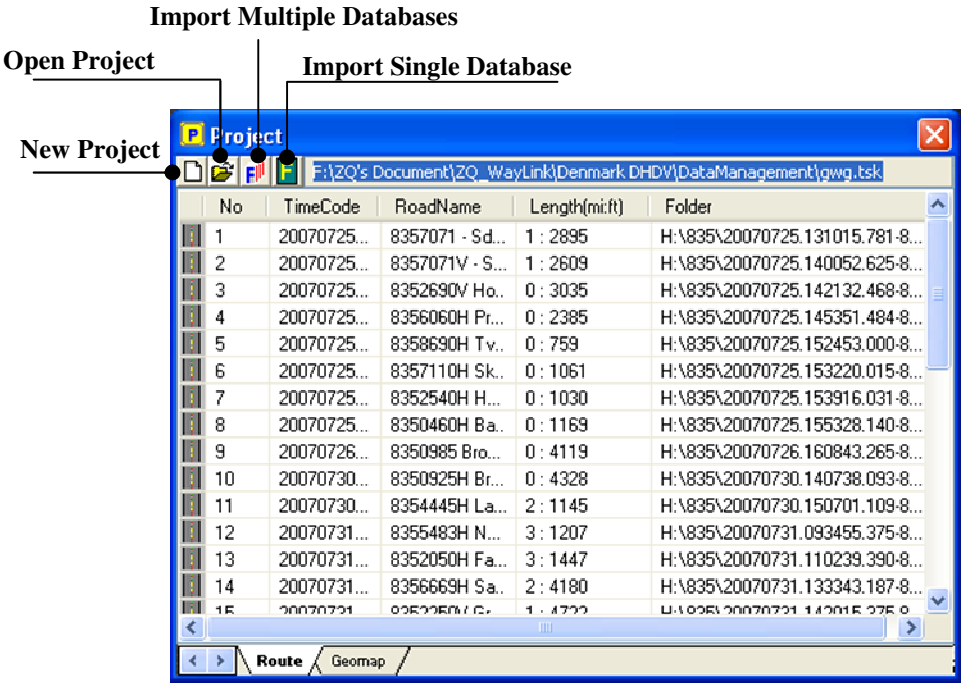


Figure 4-5 Project –Route Tab Dialog

New Project: Creates a .tsk file which contains the file information for each of the database imported in it.

Open Project: Opens an existing .tsk file to get access to all the route databases in it.

Import Multiple Databases: Selects a destination folder and import all the WayLink databases (.mdb) under this folder to a new or an existing .tsk file.

Import Single Database: Adds a single WayLink route database (.mdb) to the new or existing .tsk file each time.

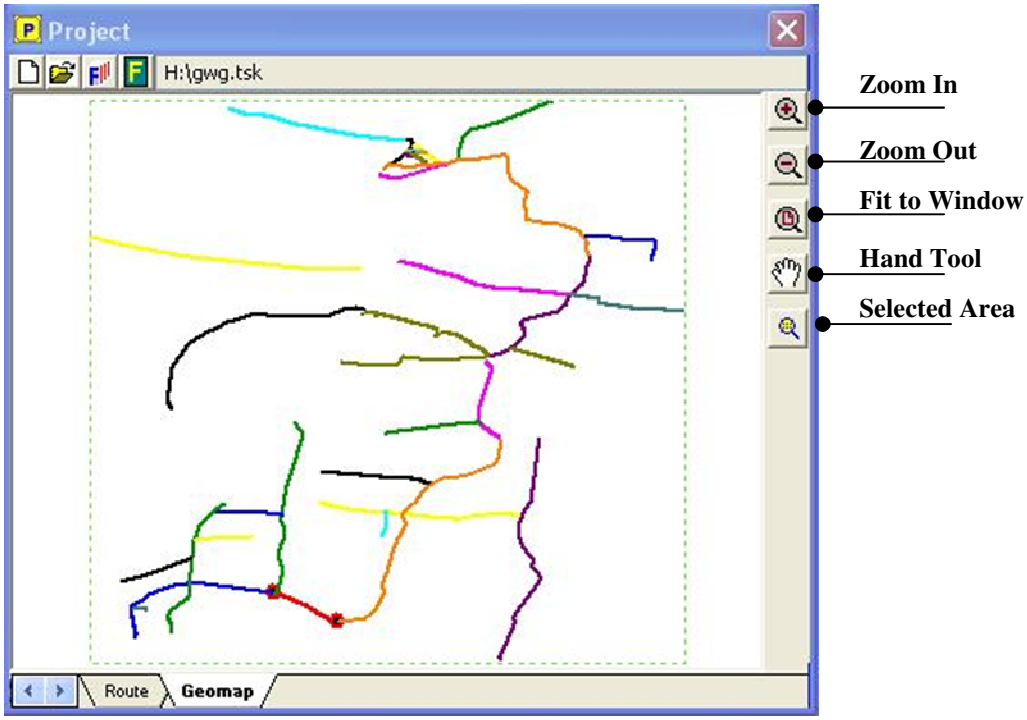


Figure 4-6 Project –GeoMap Tab Dialog

Zoom In: Zooms in the Geo-Map.

Zoom Out: Zooms out the Geo-Map.

Fit to Window: Fits the Geo-Map to the frame size.

Hand Tool: Allows the user to move the Geo-Map around and look for a specific location.

Selected Area: Selects an area and zoom in by drawing a rectangle on it.

UK SCANNER Tools

UK SCANNER stands for Surface Condition Assessment of the National Network of Roads. It is a distress protocol used by European countries to evaluate the deterioration level of roads. In the original definition, road is divided into 200mm× 200mm grids, with those grids affected by cracking highlighted. Percentage of the cracking grids out of the total number of the grids is calculated for each 50m subsection of road as the UK SCANNER index.

The parameters used in **MHIS-3D Deluxe** are more flexible. **MHIS-3D Deluxe** provides tools to display the grids, mark the cracking grids and automatically calculate the indices. The grid size can be made from 10cm to100 cm. The subsection length can be made from 10m -1000 m. The cracking grids will be marked automatically for distresses detected by **ADA-2D** and **ADA-3D**. The users are allowed to add/delete cracking grids based on their own observation.

The following steps should be followed to conduct the UK SCANNER survey in **MHIS-3D Deluxe.**

1. Process the pavement images using **ADA-2D** and **ADA-3D**. Crack Map will be generated (Using **View-Crack Map** in the main menu to check).
2. Activate the UK SCANNER mode in **MHIS-3D Deluxe**: Select from menu **UK SCANNER-Active**. Or hit button  in the main tool bar (**Figure 4-2**) to activate the UK SCANNER tools. The display of ADA distress results can be enabled/disabled by hitting the  button in the main tool bar. There are two floating windows in this mode: UK SCANNER Tools and UK SCANNER Parameters (**Figure 4-7**). The parameters are used to generate the grid and the tools are used to edit the cracking grid.

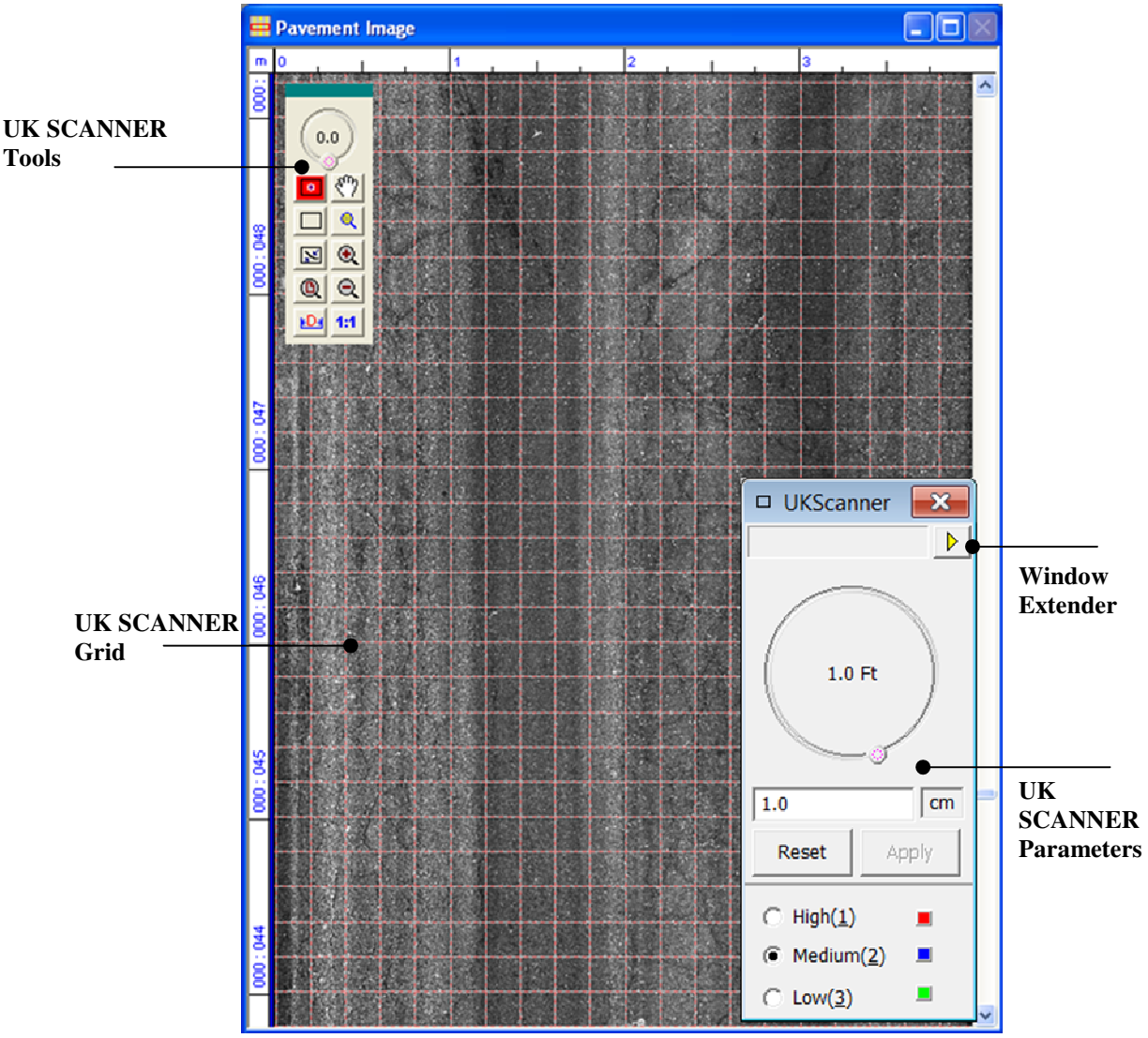


Figure 4-7 Grid over Pavement Image

3. Display the cracking grid for ADA distress: Select menu **UK SCANNER-Calculate Index** to display the cracking grid**.** After choosing the desirable grid

size in the wheel, hit **Apply** button to mark the ADA cracking grid (**Figure 4-8).** The cracking grids are indicated by colored squares (**Figure 4-9**):

- - High severity crack (crackwidth >6mm)
- - Medium severity crack (3mm<crackwidth<6mm)
- - Low severity crack (crackwidth<3mm)

*Tip: Hitting **View-Crack Map** in the main menu at this time will display grid over Crack Map (**Figure 4-10**).*

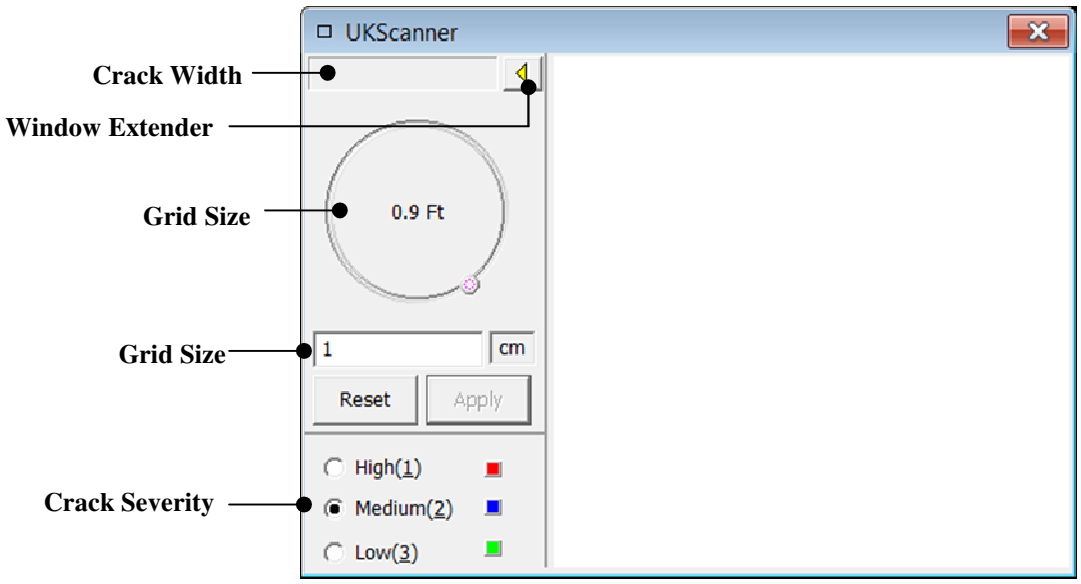


Figure 4-8 Grid Parameters

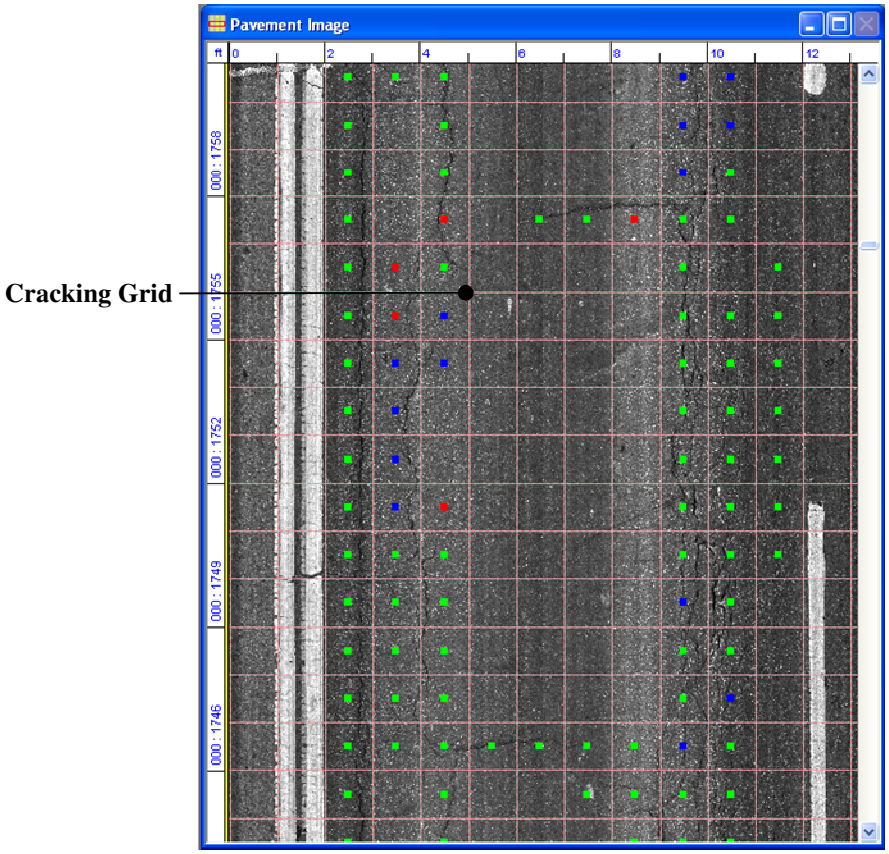


Figure 4-9 Cracking Grid over Pavement Images

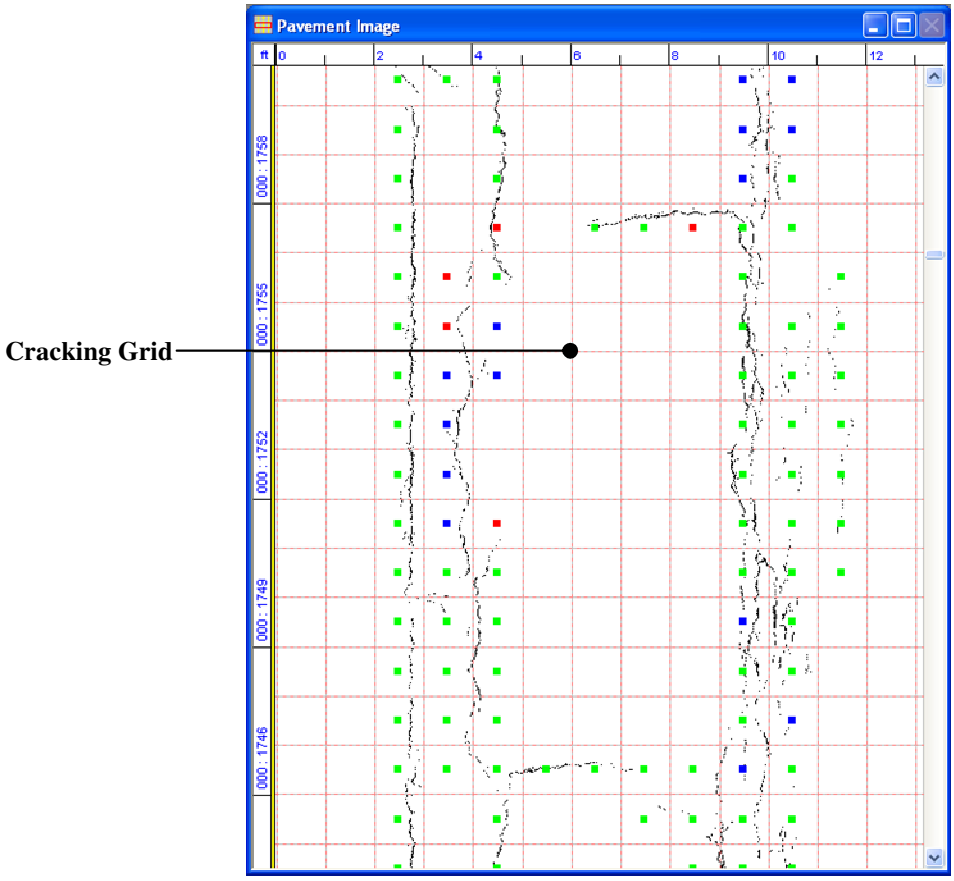


Figure 4-10 Cracking Grid over Crackmap

4. Edit the cracking grid: The users are allowed to mark or unmark the cracking grid on their own. To add cracking grid(s), keep the **Mark Grid** button highlighted in the US SCANNER Tool Box (**Figure 4-11**), drag the mouse in one grid or drag a bigger rectangle over multiple grids. The severity of the cracking grids marked in this way will be the current severity showing in the Parameter window (**Figure 4-8**). To delete cracking grid(s), keep the **Unmark Grid** button highlighted in the toolbox (**Figure 4-11**), drag the mouse in one grid or drag a bigger rectangle over multiple grids.

   *Tip: In both modes (marking or unmarking), moving the curser around the image while holding the **Ctrl** key will do marking/unmarking as well.*

   - **Mark Grid:** Mark a cracking grid.
   - **Unmark Grid:** Unmark a cracking grid.
   - **Severity Measure:** Measure the severity level for each grid automatically by clicking on the grid while this button is highlighted.

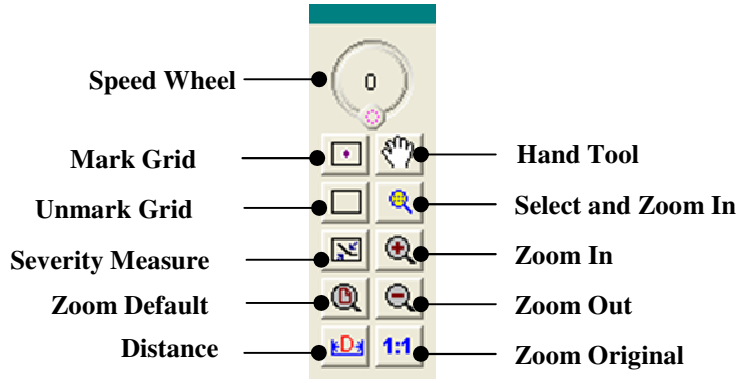


Figure 4-11 UK SCANNER Tool Box

5. Output the UK index: Select **UKScanner-OutputData** from main menu after the cracking grids are edited properly. Choosing a desirable **Subsection Length** in the **Output Window** (**Figure 4-12**) and hit **Report** button to calculate the result. The output data can also be found in the XXXXXXX_UKScan.mdb file saved in the working directory.

   There are two types of index calculated in MHIS Deluxe: the original UK SCANNER index and a modified UK SCANNER index. The modified version intends to reflect the influence from different crack severity levels.

   - Original Definition

   $$Index = \frac{n_c}{N} \times 100\%$$

   n_c - **TotalCrkGrids** in one subsection

   N - **TotalGrids** in one subsection

   - Modified Definition

   $$Index = \frac{n_l \times 1 + n_m \times 2 + n_h \times 3}{N \times 6} \times 100\%$$

   n_l - **LowGrids** in one subsection

   n_m - **MediumGrids** in one subsection

   n_h - **HighGrids** in one subsection

   N - **TotalGrids** in one subsection

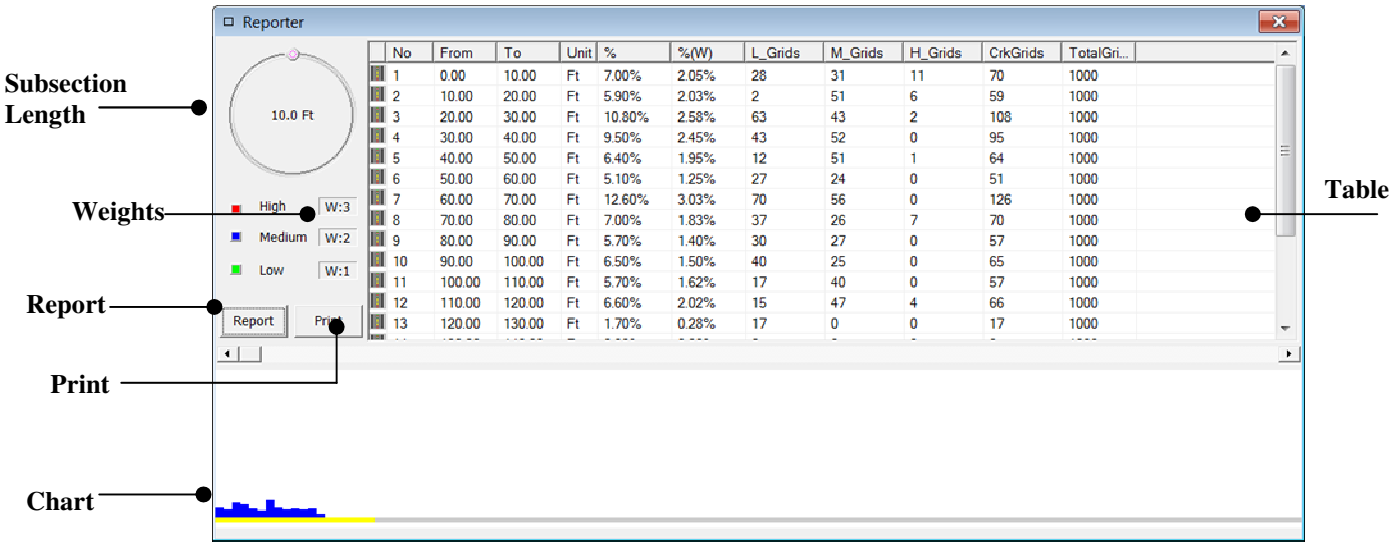


Figure 4-12 UK SCANNER Output Window

Subsection Length: The subsection length can be set as 10m – 1000m.

Weights: The weight for High severity crack is 3, Medium is 2, Low is 1.

Report: Hit **Report** button to start the calculation.

Print: Hit **Print** button to print report.

Chart: Shows the UK SCANNER index in chart format. The X-axis is the subsection numbers, the Y-axis is the indices.

Table: Results are shown in a table with the following columns:

- **No**: Subsection number starting from 1.
- **From**: The start position of each subsection.
- **To**: The end position of each subsection.
- **Unit**: The unit used for the **From** and **To** columns.
- **%**: The percentage of the cracking grids out of the total number of grids in each subsection, i.e. the UK SCANNER index.
- **% (W)**: The modified UK SCANNER index which counts in the influence from the severity level of the crack by applying weights on the grid.
- **L_Grids**: The number of grids in low severity level.
- **M_Grids**: The number of grids in medium severity level.
- **H_Grids**: The number of grids in high severity level.
- **CrkGrids**: The number of all cracking grids (**=LowGrids+ MediumGrids+ HighGrids**).
- **TotalGrids**: The total number of grids (cracking and non-cracking) on the road images.

Pavement Image Frame

MHIS-3D Deluxe displays images collected from the **PaveVision3D** subsystem in **Pavement Image Frame** (**Figure 4-13**). The pavement images are originally collected and saved in a size of 4096×2048 pixels. **MHIS-3D Deluxe** displays the images in a continuous manner. The size of the displayed images can be adjusted by the zooming tools in the tool bar.

There is a ruler attached on the top and left side of the frame. By default, the unit of the ruler is Imperial. Right clicking the left ruler area gives options of the display mode, the unit system and the coordinate system (**Figure 4-14**).

The distance on the ruler is shown in two parts separated by a dot. The first part is in mile or kilometer, the second part is in ft or meter. For example, 001.0015 ft is one mile and 15ft. 001,023 meter is one kilometer and 23 meter.

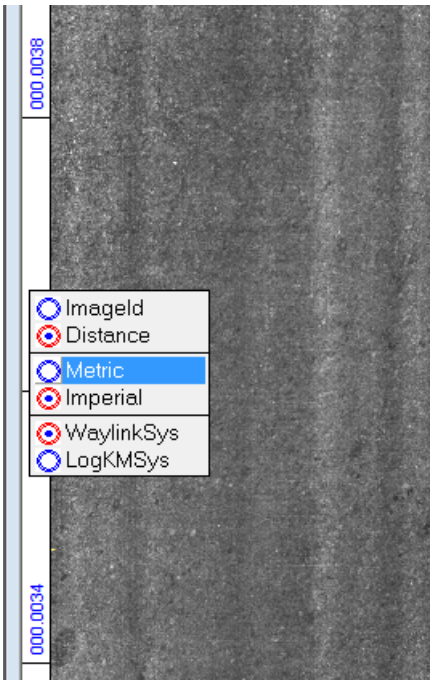


Figure 4-14 Ruler Display Options

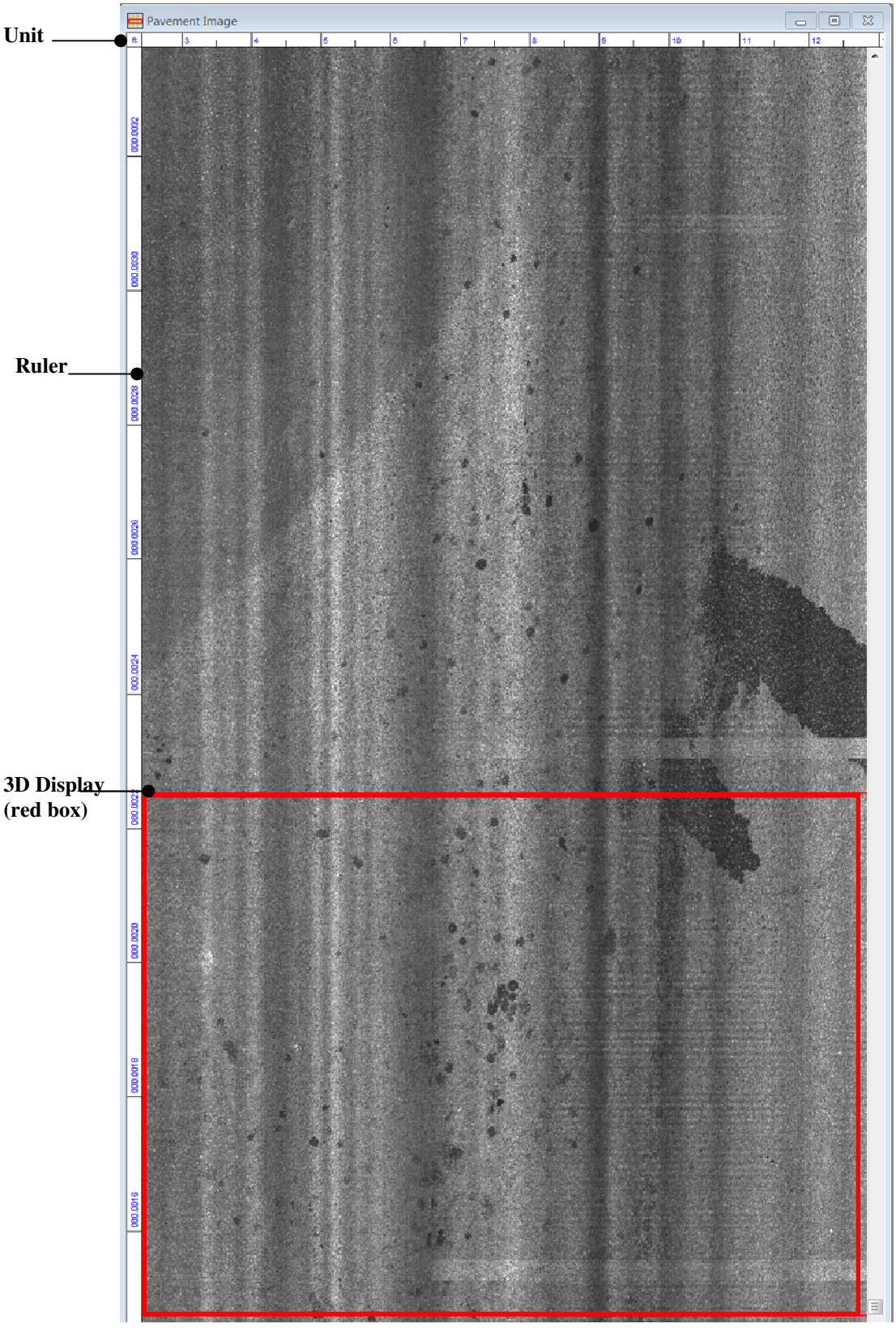


Figure 4-13 Pavement Image Frame

ROW Image Frame

MHIS-3D Deluxe displays images collected from the **PRIS-HD** subsystem in a separate frame (**Figure 4-15).** Depending on camera configuration, the **ROW Image Frame** display one, two or more images at a time. This frame also supports resizing and zoom capabilities.

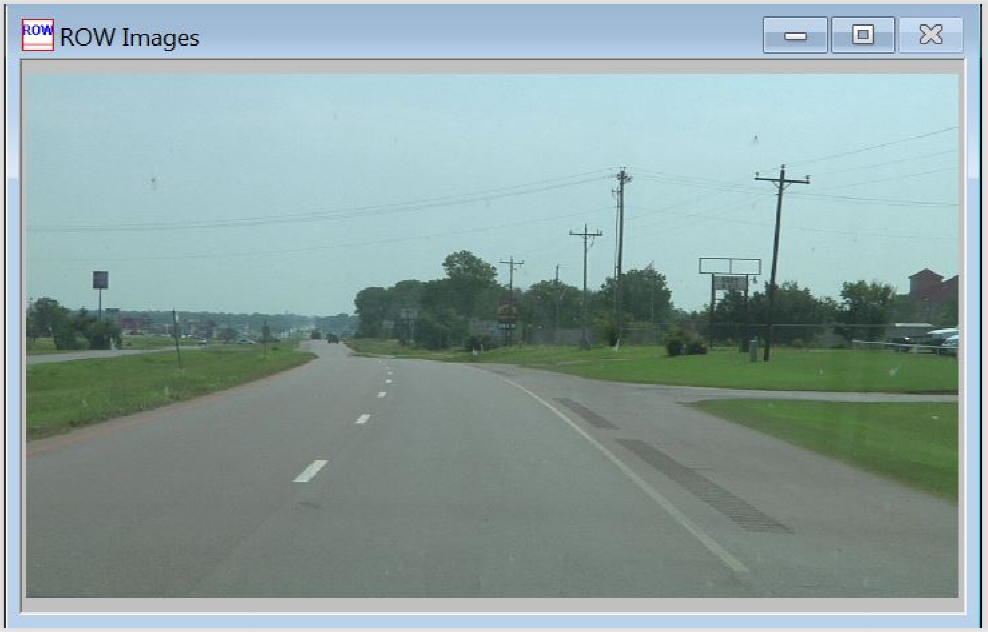


Figure 4-15 ROW Image Frame

Information Frame

MHIS-3D Deluxe is also capable of providing distress on information in code and text. See **Figure 4-16** for the **General Information Window** and the **Crack Information Window** will be displayed on the **Figure 4-17**.

General Information Window

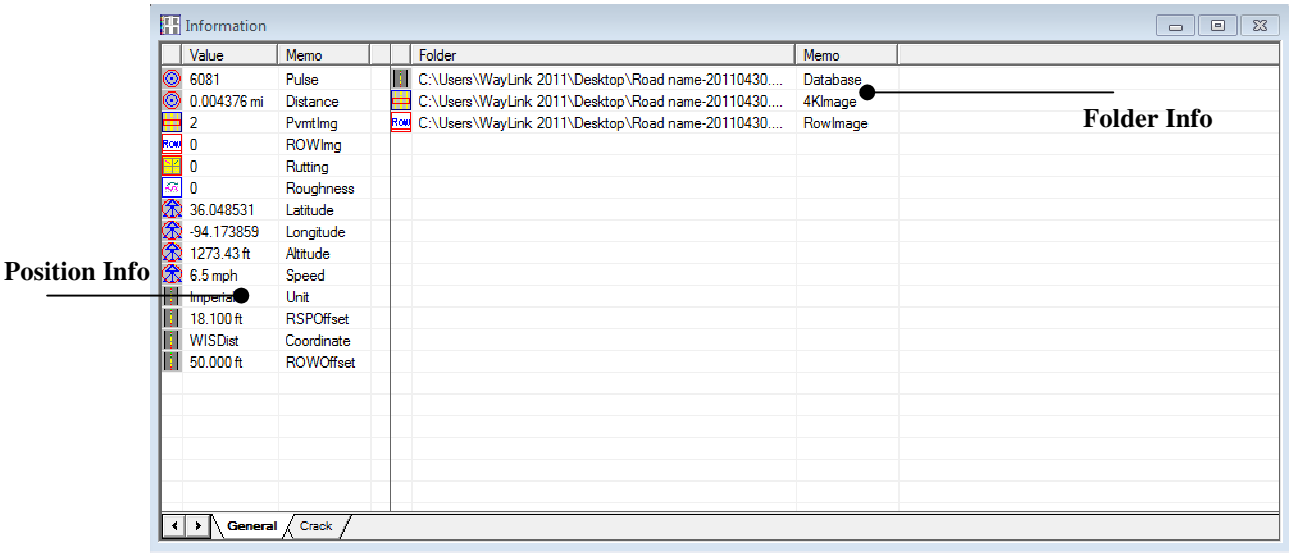


Figure 4-16 General Information Window

Position Info:

Pulse: Shows the current DMI Pulse number.

Distance: Indicates the current distance from the starting point with selected Unit system (Metric/Imperial) and in selected coordinate (RSP system/WayLink System).

PvmtImg: Shows the current pavement image ID. Highlight this grid and hit F2 key can edit the pavement image ID. The corresponding location will be displayed in the **Pavement Image Frame** (**Figure 4-13**).

ROWImg: Shows the current ROW image ID. The corresponding image is displayed in the **ROW Image Frame** (**Figure 4-15**).

Rutting: Shows the current Rutting data set number.

Roughness: Shows the current Roughness data set number.

Latitude: Displays the current GPS Latitude in degrees.

Longitude: Displays the current GPS Longitude in degrees.

Altitude: Displays the current GPS Altitude in either Feet (Imperial) or Meters (Metric).

Speed: Displays the driving speed calculated from GPS data.

Unit: Displays the unit used in the general tab and the ruler in the **Pavement Image Frame**. Right click to switch it between Imperial and Metric unit system.

RSP offset: Displays the offset between the WayLink starting point (The beginning of the data collection) and RSP starting point (Normally indicated by a reflective tape). Read the offset from the left ruler and input the number into the RSP offset grid. The grid becomes editable when it is highlighted and F2 key is hit.

Coordinate: Displays the current coordinate. Right click to switch between WayLinkDist and RSPDist.

ROWOffset: Displays the current offset between the ROW image and the pavement image. The number is editable to let the user obtain best synchronization between the pavement view and ROW view. While the grid is highlighted, hit F2 to edit the number, hit Enter to confirm the editing.

Folder Info

- **Folder:** Indicates the path where the data has been saved.
- **Memo:** Indicates the content saved in this folder.

Crack Information Window

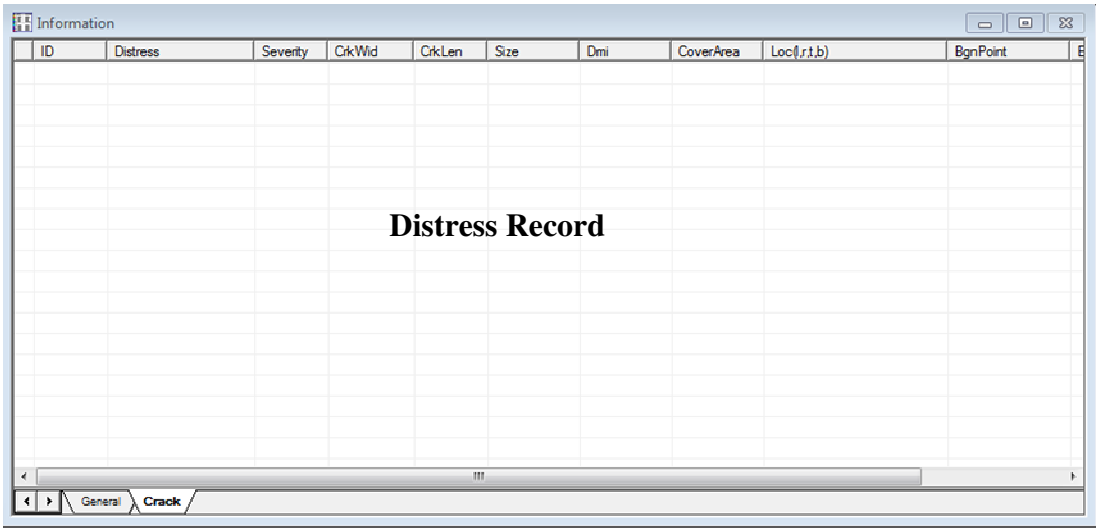


Figure 4-17 Crack Information Window

ID: Displays the ID of a certain distress (ADA Distress or Manual Distress) in the survey. Each marked distress has a unique ID to differentiate it from others. **Right click** the numeric part to delete the current distress record. The records can by sorted by clicking the row name.

Distress: Displays the type of a certain distress. **Right click** the field to edit the distress type.

Severity: Displays the severity of a certain distress. The severity levels are low, medium, and high**. Right click** the field to switch to other severity level.

CrkWid: Displays the average width of the current crack in millimeters.

CrkLen: Displays the length of the distress in millimeters.

Size: Displays the length and width of the distress bounding box in millimeters.

Dmi: Displays the DMI reading of the distress location.

CoverArea: Displays the area of the bounding box in Square feet.

Loc(l,r,t,b): Displays the coordinates of the distress in each image.

BgnPoint: Displays the coordinates of the left-top corner of the distress bounding box in pixels.

EndPoint: Displays the coordinates of the right-bottom corner of the distress bounding box in pixels.

Source: Displays the source of the data. It can be either ADA or Manual.

3D Crack Information Window

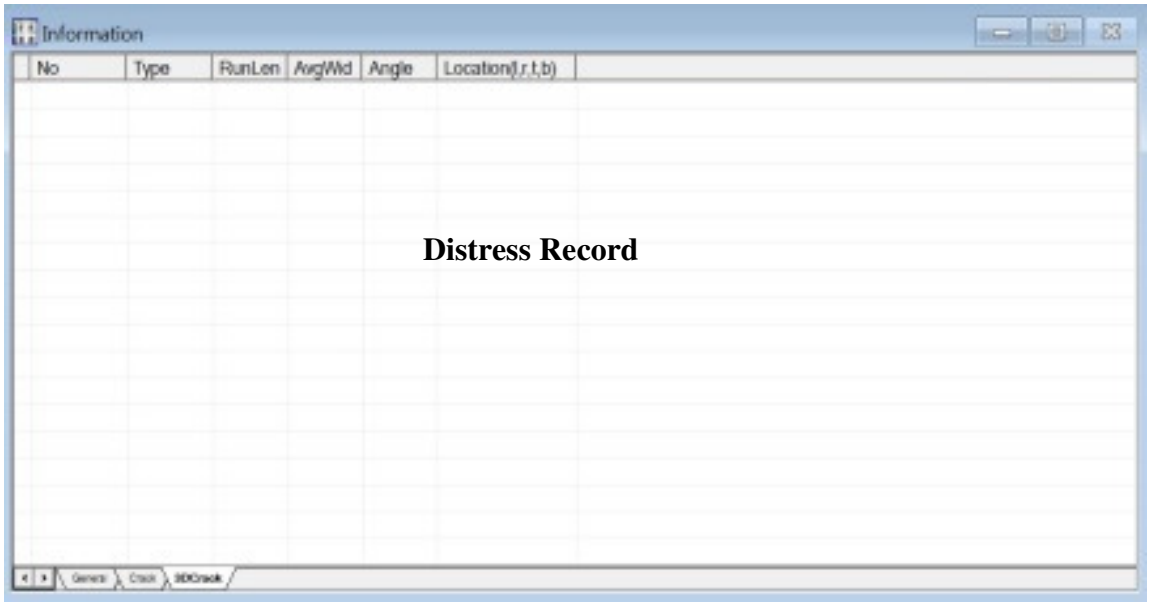


Figure 4-18 Crack Information Window

NO: Displays the ID of a certain distress (ADA Distress or Manual Distress) in the survey. Each marked distress has a unique ID to differentiate it from others. **Right click** the numeric part to delete the current distress record. The records can by sorted by clicking the row name.

Type: Displays the type of a certain distress. **Right click** the field to edit the distress type.

RunLen: Displays the severity of a certain distress. The severity levels are low, medium, and high**. Right click** the field to switch to other severity level.

AvgWid: Displays the average width of the current crack in millimeters.

Angle: Displays the length of the distress in millimeters.

Loc(l,r,t,b): Displays the coordinates of the distress in each image.

Mapping Frame

Internet access must be present when the mapping utility is launched. The source map database is provided by Google. The **Mapping Frame** (**Figure 4-19**) will display if the mapping button  in the main window toolbar is hit.

The Google Map Tab displays the map in three modes: Map, Satellite or Hybrid mode. Map mode shows the street map view. Satellite mode shows satellite and high-resolution aerial photographs. Hybrid mode shows street maps overlaid on satellite and high-resolution aerial photographs. In Google Map Tab, the location of the DHDV is indicated with a balloon. As the DHDV moves, the corresponding location is shown in the maps.

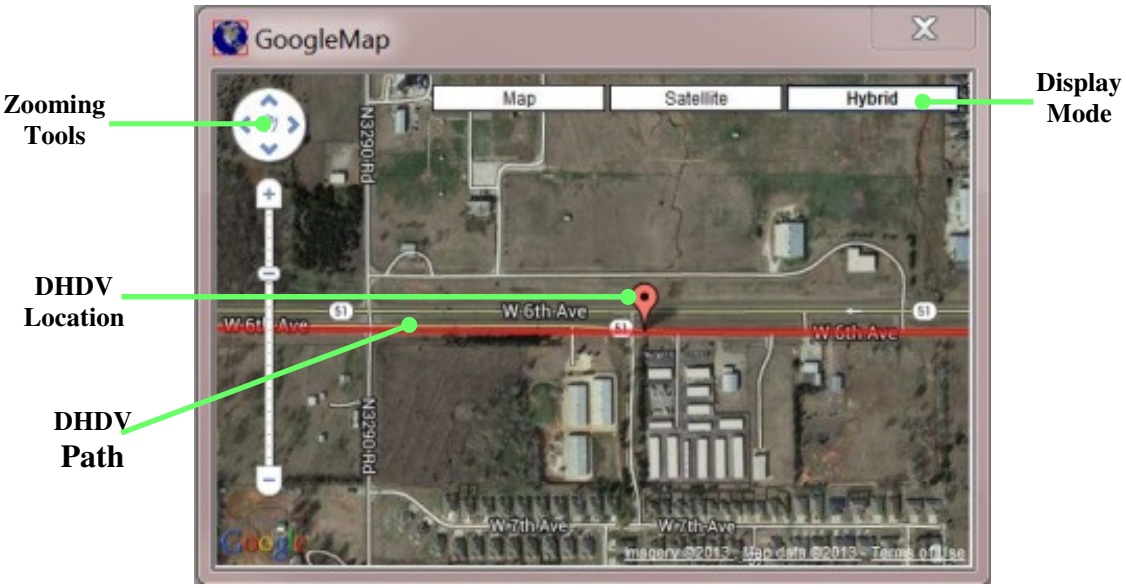


Figure 4-19 Google Map Tab Dialog

Zooming Tools: It has the functions of zoom in and out, move up, down, left and right.

Display Mode: The map can be shown in three modes: map, satellite and hybrid.

DHDV Location: The red balloon indicates the current location of the DHDV.

DHDV Path: The red line indicates the path taken by the DHDV

3D Information Frame

MHIS-3D Deluxe as mentioned before has the ability of 3D images, in order to change some parameters the user can click the 3D icon on the Toolbar. The 3D icon will display the **3D Information Window** (see **Figure 4-20**). It should be noted that Figure 68 doesn't shown all the components for **3D Information Window.** Users can use the Scroll Bar to examine them.

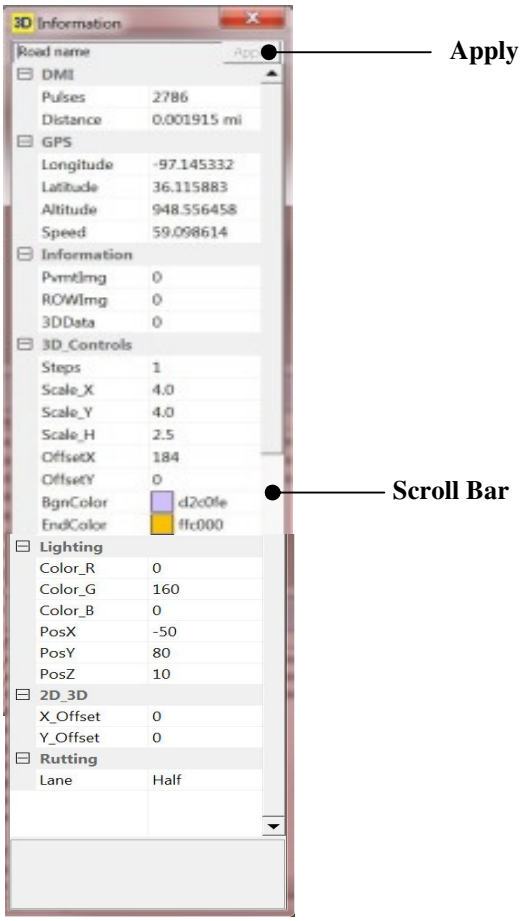


Figure 4-20 3D Information Window

DMI:

- **Pulses:** DMI pulses.
- **Distance:** DMI distance.

GPS:

- **Longitude:** GPS longitude.
- **Latitude:** GPS latitude.
- **Altitude:** GPS altitude.
- **Speed:** GPS speed.

Information:

- **PvmtImg:** Pavement image number.
- **ROWImg:** ROW image number.
- **3DData:** 3D data number.

3D_Controls:

- **Steps:** 3D file number.
- **Scale_X:** Scale in the X direction.
- **Scale_Y:** Scale in the Y direction.
- **Scale_H:** Scale in the H direction.

- **OffsetX:** Offset in the X direction for 2D.
- **OffsetY:** Offset in the Y direction for 2D.
- **BgnColor:** Specifies the default window color.
- **EndColor:** Specifies the default window color.

Lighting:

- **Color_R:** Defines amount of color red on the 3D image.
- **Color_G:** Defines amount of color Green on the 3D image.
- **Color_B:** Defines amount of color Blue on the 3D image.
- **PosX:** Lighting position in the X direction.
- **PosY:** Lighting position in the Y direction.
- **PosZ:** Lighting position in the Z direction.

2D_3D:

- **X_Offset:** Offset in the X direction for 3D.
- **Y_Offset:** Offset in the Y direction for 3D.

Rutting:

- **Lane :** Calculate Rutting within Half a lane or a Full Lane

Operating MHIS-3D Deluxe

Alternate 3D Image Frame Movement

MHIS-3D Deluxe is capable of rotating the 3D images (see **Figure 4-21**) for different viewing angles**.** WayLink Systems Corporation will provide a 3D Mouse for this function, however in the event of a 3D Mouse malfunction, **MHIS-3D** Deluxe allows you to use the keyboard as an alternate to the 3D Mouse. The key combinations for this function are explained below **Figure 4-21**.

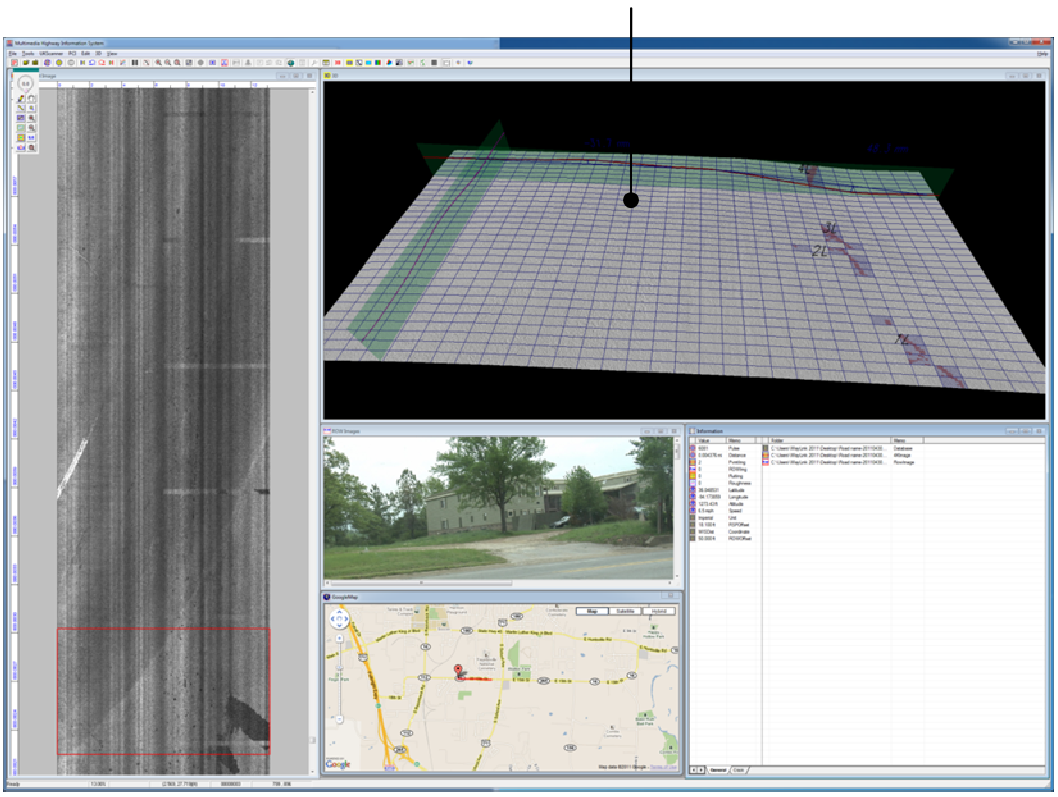


Figure 4-21 3D Image Frame

- For movement in the X direction **Press X +** ⬅ **or** ➡ **Arrow keys.**
- For movement in the Y direction **Press Y +** ⬅ **or** ➡ **Arrow keys.**
- For movement in the Z direction **Press Z +** ⬅ **or** ➡ **Arrow keys.**
- For an overall movement of the 3D image **Press C +** ✥ **Arrow keys**

Loading WayLink Database

All databases need to have been produced by WayLink Systems' **DHDV** in order to be displayed using MHIS Deluxe. The user can load the database into MHIS Deluxe using two methods.

- **Using the File menu:** The user can select **Open** from the **File** menu, and selecting a database to load.
- **Using the Open button:** The user can press the **Open** button on the **Toolbar (Figure 4-2)** and selecting a database to load.

After selecting a database, **MHIS-3D Deluxe** will load all data sets, and go to the beginning of the database. The first images, profiles, and information will be displayed. The default display unit system is Imperial.

Loading Third Party Database

The Dynatest RSP file can be imported to WayLink database automatically when MHIS detects the RSP file in the same folder with WisIndxInfo.mdb.

Dynatest RSP database can also be manually imported and merged into WayLink database in the following steps. A reminder message will pop up if the RSP information has already exist in the WayLink database. Click ***Yes*** to overwrite the old RSP database.

- Select **Tools – Import** from the main window menu and an **Import Data** dialog will pop up (**Figure 4-22).**
- Select the data type and press **Next** to the next page (**Figure 4-23).**
- Browse to the folder which stores the target RSP file.
- Choose **Import Options** listed in the dialog (**Figure 4-23).**
- Click **Finish** to finalize the importation.

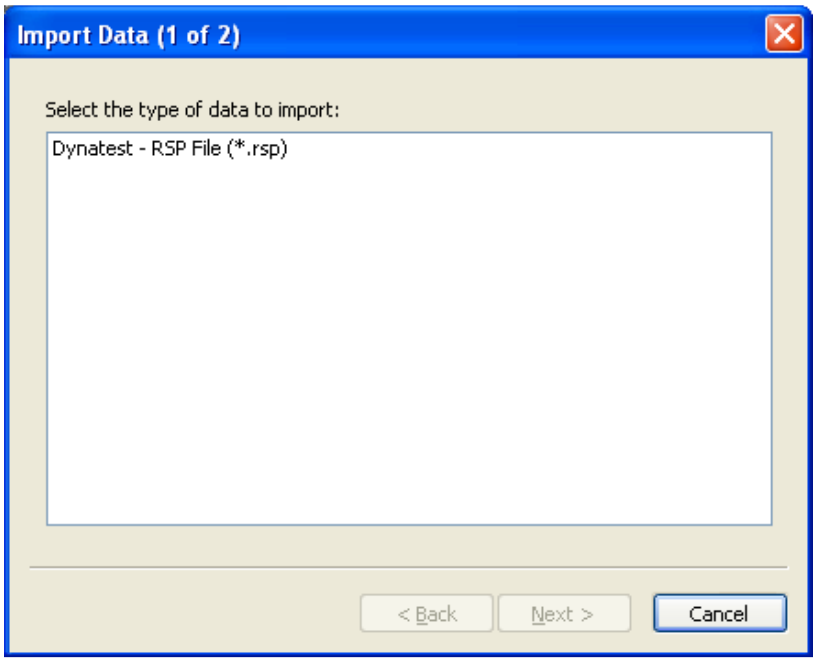


Figure 4-22 Importing Data Page 1

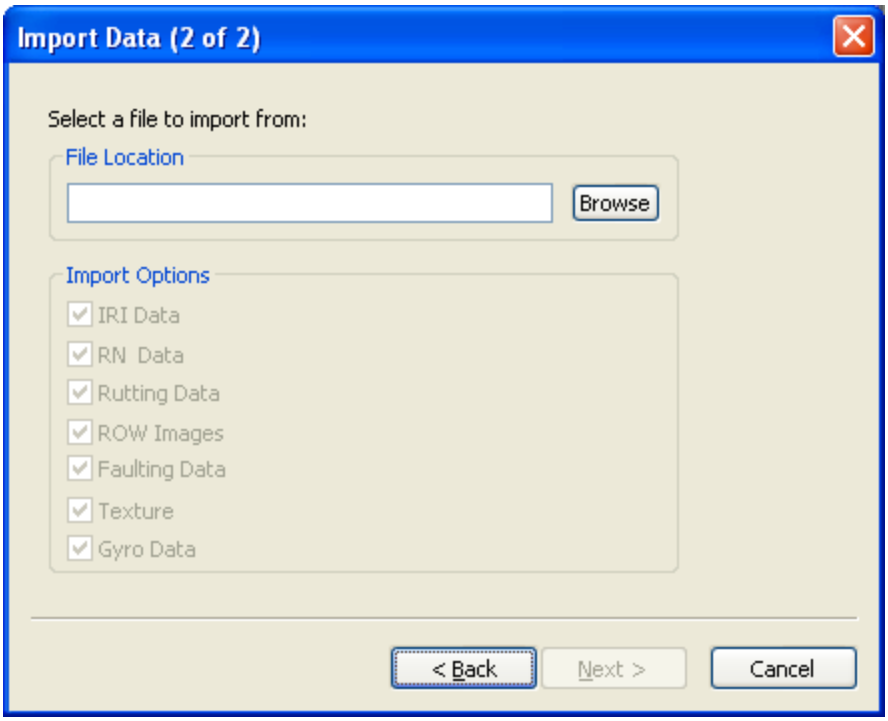


Figure 4-23 Importing Data Page 2

Using MHIS-3D for Manual Survey

Preparation

- Open a database using **File-Open** in the menu or the **Open** button in the main window tool bar. Select the **.mdb** file in the directory of a certain data collection. Note that this directory must have a **PvmtImg** folder and the **ROWImg** folder to make the **MHIS-3D Deluxe** function properly.
- Click mapping button in the main window tool bar to display the **Mapping Frame** (**Figure 4-19**) if needed. The map, as well as the ROW image, will help to navigate to the interested location.
- Click **View - Distress Track** in the menu to disable the **ROW Image Frame** (**Figure 4-15**). Click **View - Distress Track** again to resume the **ROW Image Frame**. Click the preset button in the main window tool bar to fit all the frames to the main window.
- For PCI survey, click to check the section information. If it is right, click ***PCI-AutoAddFrames*** from main menu to add the frames. The frames are added following the default settings. If the user wants to change the frame ratio of one section, they can right click on the **FrmRatio** grid, change the ratio and select **Add Frames** from the same floating menu. If the user wants to regenerate frames for all the sections, they can select a proper ratio for each of the sections and click ***PCI-AutoAddFrames*** from the main menu to regenerate the frames.

- At user's desire, jump to interested location by moving **Scroll Bar** or let the images automatically run from the beginning by clicking **Auto Run** button  in the main window tool bar. The simulation speed can be adjusted by the speed wheel (**Figure 4-3**). The simulation can be paused and resumed by hitting **Spacebar**. To finely examine the images, zooming tools can be used (**Figure 4-3**). Rolling mouse wheel or middle clicking the mouse wheel and moving the mouse around can also navigate to a certain place in the image.

Distress Recording

- Once a distress is noticed, click the **Draw Tool** button  in the manual survey tools menu (**Figure 4-3**) and drag the mouse over the distress affected area. The size and location of the drawn box is editable by dragging the control points along the border or dragging the entire box.
- A **Manual Distress Information** dialog (**Figure 4-4**) will pop out, choose the proper tab dialog (**Figure 4-4**) based on the pavement type.
- Choose the distress type, and input the crack width if applicable. The crack width is obtained by clicking the **Crack Width** button  in the manual survey tools and selecting a small sample area in the distress area. The crack width will be calculated automatically and displayed in the **Crack Width** edit box in the **Manual Distress** dialog (**Figure 4-4**). User is responsible to monitor that value. If the value is not reasonable, a proper value can be manually input in the **Crack Width** edit box.
- Choose the severity level.
- Hit **Enter or Shift** key to finalize this distress record.
- Repeat the process for another distress.

Distress Editing

- Two types of distress results will be displayed in the **Pavement Image Frame**. One is from the manual survey, another one is from the ADA detection. The manual survey result is shown in blue dash line with yellow label. The label includes the ID number, pavement type, distress type and severity level. For example, "ID 1: A- Corner Break (L)" means ID number is 1, pavement type is asphalt, crack type is corner break, severity level is low for this distress. The ADA result is shown in pink dash line box with green text label. The first number in the label indicates the image number. The second number in the label indicates the distress ID in that image. Corresponding information is shown in the **Crack Information Window (Figure 4-17).** Right clicking the distress records in the **Crack Information Window** will allow the user to delete them.
- To delete an existing distress record, click **Select** button  in the manual survey tools menu to select the distress record, click again to unselect it. After the distress is selected, the bounding box color changes. Click **Delete** to delete all the selected distress records. Press **Ctrl+Z** to undo the deletion if needed.

Using MHIS-3D for Database Review

There are several ways to go through a single database. The user has the option to let the database run, thus emulating a collection procedure, or go to a particular point in the database, or step forwards and backwards one step at a time.

Emulating a Collection Procedure

After loading a database, the user can hit the **Auto Run** button  in the main window **Toolbar** (**Figure 4-2**). This will instruct **MHIS-3D Deluxe** to go through the database sequentially, as if the vehicle was moving. Note that, at any point, the user can hit the **Stop** button and the **Auto Run** button on the **Toolbar (Figure 4-2)** to pause and resume the run. Hitting **Spacebar** during the **Auto Run** model can pause and resume the run too.

Jumping to Particular Location

The user can use the scroll bar in the **Pavement Image Frame** (**Figure 4-13**) to jump to a location. When the user drags the bar, the displayed Pavement image, ROW image, and the information in the **Crack Information Window (Figure 4-17)** are updated as the bar is being dragged. This allows the user to quickly go to a particular location. To fine-tune the location, the middle wheel in the mouse can be hit or rolled to help to navigate to the desired location. The **Mapping Frame (Figure 4-18)** should be opened during this process to provide a visual guide.

Navigating Database

There are three ways for the user to navigator through the database one step at a time:

- The user has the option to browse the database one image forward or backward using the **Previous**  **Next** buttons in the **Tool Bar.**
- The user can hit **PageUp** and **PageDown** key in the keyboard, the number of datasets moved a page forward or backward in each step. "Page" here is defined as a set of pavement images displayed in the **Pavement Image Frame**. For example, if current **Pavement Images Frame** (**Figure 4-13**) shows 20-meter pavement image, hitting **Page Down** button will display next 20-meter pavement images and the corresponding ROW image. At any time, the user can hit the **Beginning** **,** or **End**  buttons on the **Tool Bar** to reach the beginning or end of a database.
- At any time, the user can hit the **Beginning** **,** or **End**  buttons on the **Tool Bar** to reach the beginning or end of a database.

AASHTO/CI Procedure

The **AASHTO/CI** option under the **Tools** menu is designed to analyze crack information processed by **Automated Distress Analyzer (ADA)** and display indices and other crack statistics. Predefined segment length and user defined segment length can be used to do the calculation. Five protocols have been implemented into the program: Texas DOT's methods

(including asphalt, Continuous Reinforced Concrete Pavement and Joint Concrete Pavement), World Bank's CI method, the AASHTO's method, UK SCANNER, and MicroPaver PCI. **AASHTO/CI** is able to process the data both in Metric unit system and English unit system (**Figure 4-24**).

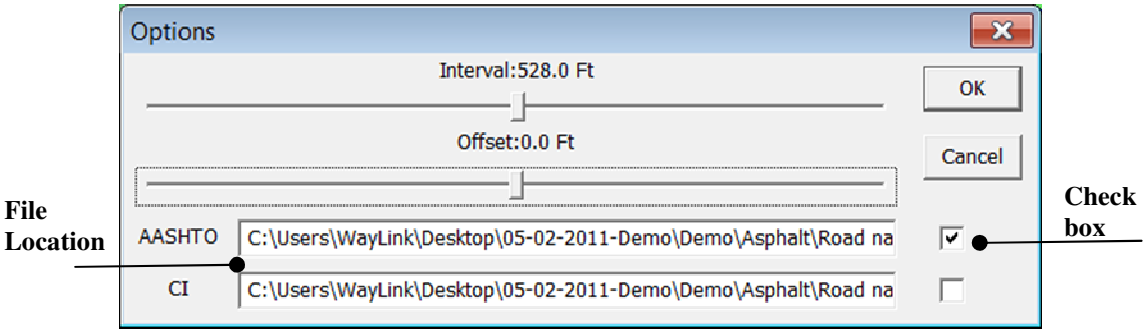


Figure 4-24 AASHTO/CI Options

- Select desired Interval.
- Select desired offset.
- Check AASHTO, CI, or both.
- Select location where the file will be stored.
- Press **OK**.

APPDENDIX B DETERMING PAVEEMNT DEFORMATION PARAMETERS AND CROSS SLOPE FROM COLLECTED TRANSVERSE PROFILE (AASHTP PP69-10)

Standard Practice for

Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles

AASHTO Designation: PP 69-10

American Association of State Highway and Transportation Officials
444 North Capitol Street N.W., Suite 249
Washington, D.C. 20001

Standard Practice for

Determining Pavement Deformation Parameters and Cross Slope from Collected Transverse Profiles

AASHTO Designation: PP 69-10

1. SCOPE

1.1. This practice outlines a method for deriving pavement deformation parameters such as rut depth and cross slope in pavement surfaces utilizing a transverse profile. Detailed specifications are not included for equipment or software used to make the calculations. According to this standard, any approach that can be adequately validated to meet the functionality stipulated herein is considered acceptable. The goal is to achieve a significant level of standardization that will contribute to the production of consistent pavement condition estimates without unduly restricting innovative methods.

1.2. The data will typically be processed utilizing a collection of algorithms in a computer.

1.3. *This practice does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations related to and prior to its use.*

2. REFERENCED DOCUMENTS

2.1. *AASHTO Standard*:

- PP 70, Collecting the Transverse Pavement Profile

2.2. *ASTM Standard*:

- E 1656/E 1656M, Standard Guide for Classification of Automated Pavement Condition Survey Equipment

2.3. *Other Standard*:

- *Distress Identification Manual for the Long-Term Pavement Performance Program*, FHWA Report RD-03-031

3. TERMINOLOGY

3.1. *cross slope*—the average transverse slope of the pavement surface expressed in percent.

3.2. *inside wheelpath*—a longitudinal strip of pavement 0.75 m (30 in.) wide and centered 0.875 m (35 in.) from the centerline of the lane toward the adjacent lane.

3.3. *lane*—the traveled surface between the inside edges of the pavement markings or, in the absence of markings, an equivalent portion of the pavement surface.

3.4. *outside wheelpath*—a longitudinal strip of pavement 0.75 m (30 in.) wide and centered 0.875 m (35 in.) from the centerline of the lane toward the shoulder.

3.5. *percent deformation*—the difference between the straight-line length and the profile length of a section of pavement divided by the straight-line length multiplied by 100.

3.6. *rut*—a broad longitudinal depression in the wheelpath of the pavement surface with a depth of at least 2 mm (0.080 in.), a width of at least 0.3 m (1.0 ft), and with a longitudinal length of at least 30 m (100 ft).

3.7. *summary section*—a longitudinal length of a pavement lane over which the data are summarized.

3.8. *transverse profile*—the vertical deviations of the pavement surface from a horizontal reference perpendicular to the lane direction.

3.9. *lane center*—a location halfway between the inside edges of the pavement edge markings. If no markings are present, a location 20 percent of the total pavement width from the pavement middle on two-lane roads and a location at the middle of the road on one-lane roads.

4. SIGNIFICANCE AND USE

4.1. The method outlines a set of procedures to calculate several measures of pavement deformation related to the transverse profile. The adoption of these procedures will help produce consistent data for pavement analysis.

4.2. This method reflects a balance between extreme calculation complexity and resultant accuracy. It is not expected to give the correct values for each individual deformation condition but to provide data that, taken in aggregate, will provide an accurate picture of the deformation involved. Likewise, there will be unusual transverse contours that will not calculate correctly. It is expected, however, that their occurrence will be minimal.

5. DATA COLLECTION

5.1. Typically, the transverse profile is to be collected according to PP 70. Other collection protocols may be followed if the data requirements of PP 70 are met or exceeded.

6. DATA REDUCTION

6.1. All calculations are made for each transverse profile reported. For network-level data, the processed profiles should not be more than 3 m (10 ft) apart and for project level, no farther apart than 0.5 m (1.5 ft).

6.2. The raw transverse profile data should be processed to first remove outlier values, and then to smooth the data. An example of smoothing involves the application of an approximately 50-mm (2-in.) moving average filter. The resultant profile is used for all subsequent calculations.

6.3. A system should be established to determine the lane location and width within each profile and correlate this information with the profile data.

6.4. *Establish the Cross Slope*:

6.4.1. Utilizing the lane width and location from Section 6.3, determine the middle of the lane and locate the associated middle data point in the profile.

6.4.2. Determine the average elevation for each half lane.

6.4.3. The percent cross slope is the difference in the average elevations divided by one-half the lane width multiplied by 100.

6.5. *Calculate Percent Deformations*:

6.5.1. Establish edge points for the portion of the profile under consideration (see Section 3.3) by averaging the three closest elevation points and calculate the straight-line distance between them.

6.5.2. Add the section length of all the segments between the two edge points to approximate the profile length.

6.5.3. Subtract the straight-line length from the profile length and divide the result by the straight-line length and multiply by 100.

6.5.4. Potentially useful deformation portions for reporting would be: total lane, inside half, outside half, and middle third.

6.5.5. Deformation criteria can be used to select profiles for more detailed analysis, such as water entrapment or cross-sectional area.

6.6. *Determine Five Key Data Zones in the Lane*:

6.6.1. Define the lane edge utilizing lane pavement marks, construction history, or other means, if not already defined during collection.

6.6.2. Locate and determine values at five spots across the lane.

6.6.2.1. *Spot 1 is the lane center elevation*—Its elevation is the average of the elevation data points measured in the center 75 mm (3 in.) of the pavement lane. Its location is the center of the lane.

6.6.2.2. *Spot 2 is the inside wheelpath elevation*—Its elevation is the average of the elevation data points in the lowest 10 percent of the inside wheelpath. Its location is the midpoint of the selected points.

6.6.2.3. *Spot 3 is the inside edge elevation*—Its elevation is the average of the elevation data points within 100 mm (4 in.) of the inside pavement edge. Its location is 50 mm (2 in.) from the inside lane edge.

6.6.2.4. *Spot 4 is the outside wheelpath elevation*—Its elevation is the average of the elevation data points in the lowest 10 percent of the wheelpath. Its location is the midpoint of the selected points.

6.6.2.5. *Spot 5 is the shoulder elevation*—Its elevation is the average of the elevation data points within 100 mm (4 in.) of the outside pavement edge. Its location is 50 mm (2 in.) from the outside pavement edge.

6.7. *Calculate Rut Depth*:

6.7.1. Convert the percent cross slope to an angle.

6.7.2. Rotate the profile about spot 3 by the angle above, thus leveling the profile.

6.7.3. Shift the profile so that the value of spot 3 is zero.

6.7.4. Proceed to center depression rut depth calculation if the value of spot 1 is more than 5 mm (0.2 in.) below the average of spots 2 and 4.

6.7.5. Normal rut depth calculation:

6.7.5.1. Rotate the profile about spot 3 until spot 1 is 0. The revised absolute value of spot 2 is the depth of the inside rut.

6.7.5.2. Rotate the lane half between spots 1 and 5 about spot 1 until spot 5 is zero. The revised absolute value of spot 4 is the depth of the outside rut.

6.7.6. Center depression rut depth calculation:

6.7.6.1. Rotate the profile about spot 3 until spot 5 is zero. The revised absolute value of spot 1 is the depth of the center depression.

6.8. *Calculate Rut Cross-Sectional Area*:

6.8.1. After completing the step in Section 6.7.5.1, scan the profile in both directions from spot 2 until three values equal to or greater than zero are reached, and record the location of the first one encountered in each direction. These locations are the rut edges.

6.8.2. The area can be approximated by adding all the elevation values between the edges and multiplying the sum by the data point interval.

6.8.3. Repeat the same process around spot 4 after completing the step in Section 6.7.5.2.

6.8.4. For center depressed pavements, the same process can be applied around spot 1.

6.9. *Calculate Water Entrapment Depth*:

6.9.1. Further smooth the profile with a 200-mm (8-in.) moving average filter.

6.9.2. For positive cross slope (spot 5 filtered elevation less than spot 3) and zero cross slopes, scan the profile from spot 3 toward spot 5 for locations in which a filtered elevation is not equal to or at a lower filtered elevation than any previous filtered elevation plus 2 mm (0.08 in.).

6.9.3. Should such a point be encountered, continue scanning until three sequential filtered elevations that are lower than their predecessor are encountered. Take the filtered elevation at the highest point of the three (the lip) and subtract the lowest filtered elevation previously encountered. The difference is the water entrapment depth of the discovered depression. The location of the lowest point should also be recorded.

6.9.4. Beginning at the lip found in Section 6.9.3, continue scanning until the profile is completed. (It is quite likely to have multiple water entrapment depths encountered.) They can be sorted by location to determine their relationship to the wheelpaths.

6.9.5. For negative cross slopes (spot 3 filtered elevation less than spot 5), the profiles are scanned from spot 5 toward spot 3 in a similar fashion.

7. DATA REPORTING

7.1. *For network collection, each summary section shall be 10 m (33 ft) and have reported*:

7.1.1. The average cross slope percentage;

7.1.2. The average rut depth for each wheelpath (normal or center) in millimeters (inches);

7.1.3. The maximum rut depth for each wheelpath in millimeters (inches).

7.2. For project level activity, each summary section shall be 2 m (7 ft) and have reported:

7.2.1. The items in Section 7.1 over the shorter summary section of the project level collection;

7.2.2. The water entrapment depth for each third of the lane width averaged over the profiles in the section; and

7.2.3. Average rut cross-sectional area in square meters (square feet).

8. DATA INTERPRETATION

8.1. The agency is free to utilize the reported data as best fits its pavement management needs.

8.2. Agencies are alerted that dividing the scalar depth and percentage indexes into level categories or bins can result in erratic results. When values are near the bin limits, natural variation in the data will cause dramatic shifts in results. Such converting can be useful, however, for general comparison to previously collected data in which bin limits were used.

9. SYSTEM VALIDATION

9.1. The process of checking the performance of the analysis process is left to the agency. Generally, the agency should follow the manufacturer's recommendations for verifying its performance. The following considerations should be included in any program.

9.1.1. Multiple transverse profiles that reflect the conditions encountered in the real data collection world. These should include the profiles collected as part of the equipment verification process.

9.1.2. It is planned that a standard set of profiles will eventually be developed to verify the performance and highlight the limitations of the processing method.

10. KEYWORDS

10.1. Asphalt pavement surface; automated data collection; cross slope; pavement management; rut.

APPDENDIX C QUANTIFYING CRACKS IN ASPHALT PAVEMENT SURFACES FROM COLLECTED IMAGES UTILIZING AUTOMATED METHODS (AASHTO PP67-10)

Standard Practice for

Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods

AASHTO Designation: PP 67-10

American Association of State Highway and Transportation Officials
444 North Capitol Street N.W., Suite 249
Washington, D.C. 20001

Standard Practice for

Quantifying Cracks in Asphalt Pavement Surfaces from Collected Images Utilizing Automated Methods

AASHTO Designation: PP 67-10

1. SCOPE

1.1. This practice outlines the procedures for quantifying cracking distress at the network level in asphalt pavement surfaces utilizing automated methods. Detailed specifications are not included for equipment, instruments, or the associated software used to process the images. According to these specifications, any equipment that can be adequately validated to meet the functionality stipulated herein is considered acceptable. The goal is to achieve a significant level of standardization, which will contribute to the production of consistent pavement condition estimates while not unduly limiting innovation.

1.2. The automation level covered by this standard involves minimal human intervention in the process. It is understood that the current level of technology requires significant human review of the automation process to provide Quality Control/Quality Assurance (QC/QA) of the results and to detect and correct outliers. It is anticipated that the required level of human intervention will decline over the next few years.

1.3. Collect the images to be processed according to PP 68.

1.4. Sampling of images from the data collection standard process is acceptable before proceeding with the analysis process in this standard. The data sample is to be large enough to provide the confidence level required by the agency. Sample size and spacing will depend on construction practices and numerous other factors that impact pavement continuity. A 100 percent sample is recommended until a sampling method can be supported by statistical analysis.

1.5. *This practice does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations related to and prior to its use.*

2. REFERENCED DOCUMENTS

2.1. *AASHTO Standards*:

- PP 68, Collecting Images of Pavement Surfaces for Distress Detection
- PP 70, Collecting the Transverse Pavement Profile

2.2. *ASTM Standard*:

- E 1656/E 1656M, Standard Guide for Classification of Automated Pavement Condition Survey Equipment

2.3. *Other Standard*:

- *Distress Identification Manual for the Long-Term Pavement Performance Program*, FHWA Report RD-03-031

3. TERMINOLOGY

3.1. *crack*—a fissure of the pavement material at the surface with minimum dimensions of 1-mm (0.04-in.) width and 25-mm (1-in.) length.

3.2. *crack length*—the length is measured between crack termini. If a terminus was created due to reaching the maximum length, a new crack begins at the terminus.

3.3. *crack orientation*—the angular measurement in degrees between the direction of travel and a line drawn between the ends of the crack as measured within the measurement zone of interest.

3.4. *crack position*—the coordinates of the midpoint of the crack measured perpendicular to the shoulder edge of the pavement and the longitudinal location relative to the starting collection point.

3.5. *crack terminus*—the point at which the crack width goes below and remains less than 1 mm (0.04 in.) for a 10-mm (0.4-in.) length, or the intersection with another crack, or when the maximum of 3.67 m (12 ft), is reached or the end of a summary section is reached.

3.6. *crack width*—the average gap in millimeters between the two edges of a crack measured at points along the gap with a minimum spacing of 3 mm (0.12 in.).

3.7. *inside wheelpath*—a longitudinal strip of pavement 0.75 m (30 in.) wide and centered 0.875 m (34 in.) from the centerline of the lane toward the adjacent lane.

3.8. *longitudinal crack*—a crack at least 0.3 m (12 in.) long and with a crack orientation between +10 and –10 degrees.

3.9. *measurement zone*—one of the five strips of pavement created by the wheelpaths and the areas between and outside the wheelpaths.

3.10. *outside wheelpath*—a longitudinal strip of pavement 0.75 m (30 in.) wide and centered 0.875 m (34 in.) from the centerline of the lane toward the shoulder.

3.11. *pattern crack*—a crack that is part of a network of cracks that form an identifiable grouping of shapes. For this practice, this includes all cracks that are not defined as transverse or longitudinal.

3.12. *summary section*—a portion of a pavement lane over which the data are summarized.

3.13. *transverse crack*—a crack at least 0.3 m (12 in.) long and with a crack orientation between 80 and 100 degrees.

4. SIGNIFICANCE AND USE

4.1. This practice outlines the procedures for quantifying cracking distress at the network level in asphalt pavement surfaces utilizing automated methods.

4.2. The level of development of the current technology requires that the collection and analysis processes be linked together. It is hoped that in the future, a standard set of images may be created by the collection equipment from a standard pavement distress simulation package yet to be developed and used to evaluate and control the performance of this method.

5. DATA COLLECTION

5.1. Data are collected according to PP 68.

6. DATA REDUCTION—CRACK DETECTION

6.1. The system that detects the presence of a pavement anomaly that is commonly considered a crack typically involves one or more image analysis software routines.

6.2. It is anticipated that future detection processes may involve the analysis of images of multiple characteristics to improve the reliability of the detection process.

6.3. The detection process is clearly dependent on the quality of the images to be analyzed. Currently, there is no reliable method to independently measure the performance of the collection and analysis processes. The criteria listed herein therefore represent the requirements of the total collection and analysis system. It is anticipated that a reliable method will be developed to independently establish the image quality so that, in the future, each process can be evaluated separately.

6.4. *An acceptable result of this process is a crack map in which at least*:

6.4.1. Thirty percent of the cracks less than 3 mm (0.12 in.) and 50 percent of cracks from 3 mm (0.12 in.) to less than 5 mm (0.2 in.) wide are mapped (see Note 1).

6.4.2. Eighty-five percent of the cracks 5 mm (0.2 in.) or wider are mapped (see Note 1).

6.4.3. A crack is considered mapped if at least 85 percent of its length is detected (see Note 1).

6.4.4. Utilizing images clear of distresses and without discontinuities, or pavement markings, the system should report less than 3 m (10 ft) of total false cracking length in 50 m^2 (540 ft^2) of pavement (see Note 1). The determination of this capability will be made utilizing five 0.1-km (0.06-mi) samples of various pavement types that meet the criteria.

Note 1—These values are the estimates of a panel of experts. Ongoing research and equipment developments will better define these values over the next few years. As capabilities are better defined, separate levels of performance may be established for two or three classes of equipment and software.

7. DATA ANALYSIS—CRACK CLASSIFICATION AND VALUATION

7.1. The summary section distance for cracking data is 0.1 km (0.06 mi).

7.2. Detected pattern cracks (neither longitudinal nor transverse) are separated into five measurement zones across the pavement.

7.2.1. Zone 1 is between the inside wheelpath and the lane edge at the adjacent lane.

7.2.2. Zone 2 is the inside wheelpath.

7.2.3. Zone 3 is the space between the wheelpaths.

7.2.4. Zone 4 is the outside wheelpath.

7.2.5. Zone 5 is between the outside wheelpath and the lane edge at the shoulder.

7.3. *Pattern cracks will be summarized by*:

7.3.1. The sum of the lengths in meters (feet) of all pattern cracks in the summary section shall be the extent of pattern cracking for each zone within the section.

7.3.2. The average width in millimeters (inches) of all pattern cracks in the summary section shall be the severity of pattern cracking for each zone within the section.

7.4. *Longitudinal cracks will be summarized by*:

7.4.1. The sum of the lengths in meters (feet) of all longitudinal cracks in the summary section shall be the extent of longitudinal cracking for each zone within the section.

7.4.2. The average width in millimeters (inches) of all longitudinal cracks within the summary section shall be the severity of longitudinal cracking for each zone within the section.

7.5. *Transverse cracks will be summarized by*:

7.5.1. The sum of the lengths in meters (feet) of all the transverse cracks in the summary section shall be the extent of transverse cracking in each zone within the section.

7.5.2. The average width in millimeters (inches) of all transverse cracks within the summary section shall be the severity of transverse cracking in each zone within the section.

7.6. Detected cracks greater than 25 mm (1 in.) wide may reflect that a narrower crack is present and was sealed. Since current technology cannot separate these conditions, it is recommended that the system flag these occurrences for technician analysis. This analysis can be supported by input from the data collection operator by flagging when crack sealing is present.

8. DATA REPORTING

8.1. The calculated extent of each crack category (Zones 1–5 pattern, Zones 1–5 transverse, and Zones 1–5 longitudinal) in meters (feet) shall be the reported extent value for each category.

8.2. The calculated severity of each category in millimeters (inches) shall be the reported severity value for that category.

Note 2—Therefore, each summary section will have 30 values that characterize the cracking contained therein.

8.3. Each of these values may be first normalized to a scale of 0 to 10 with 10 being the most severe. Those with a value equal to or exceeding the average value of the worst (highest extent and severity values) 10 percent of the historical, agency-wide population for the past 10 years would get a 10 and the remainder values linearly transferred to the normalized scale. The normalized values may then be combined in various ways to provide a reduced data set for reporting (a) more general cracking index(es) for each section at the agency's discretion.

Note 3—In this proposed normalization method, the resulting normalized values would get more sensitive to the amount of distress as the worst 10 percent of the pavements have improved values. An effective distribution is thus maintained over the entire scale but at the expense of sacrificing absolute comparison capability. Since a 10-year average is used and system changes tend to be very slow, the shifting effect will be extremely slow and thus should not affect short-term comparisons. Also, since each system will be normalizing to itself, any attempted comparison between systems would be erroneous.

9. DATA INTERPRETATION

9.1. The agency is free to utilize the reported data as best fits its pavement management needs.

9.2. Any increase in the extent and severity of cracking in Zones 2 and 4 above that in Zone 3 is expected to typically reflect the impact of traffic loading.

9.3. Agencies are alerted that dividing the scalar extent and severity values into level categories or bins can result in erratic results. When values are near the bin limits, natural variation in the data will cause dramatic shifts in results. Such converting can be useful, however, for general comparison to previously collected data in which bin limits were used.

10. SYSTEM VALIDATION

10.1. The process of calibrating and checking the performance of the crack detection and analysis process is left to the agency. Generally, the agency should follow the manufacturer's recommendations for calibrating and verifying the performance of the process. The following considerations should be included in any program.

10.2. The interrelationship between the supplied images and the performance of the processing system is evident.

10.3. A standard set of images from the collection equipment should be created that challenge the processes with the full range of crack types, extents, and severity. The ground truth for these images is to be determined by manually surveying 100 percent of the pavement sections themselves (not their images). Manual examination of the images should be used only as a

diagnostic if unsatisfactory results are obtained. These standard images can be used repeatedly until the collection process is modified, necessitating the collection of a new set.

10.4. The standard images created according to Section 10.3 should be used to verify performance of the detection and analysis processes on a routine basis. The frequency depends on the system's past performance and the risk associated with having to reprocess all data since the last check, should a failure occur.

10.5. Generally, performance can be divided into two sections: the ability to create an acceptable crack map and the ability to properly analyze the created map.

10.6. The ability to create an acceptable map is considered the most challenging and therefore should be checked most frequently. The results of the analysis portion should correlate with trained observers reviewing the images better than 95 percent.

11. VALIDATION/ACCEPTANCE REPORT

11.1. The detection performance report should present, in tabular form, the ground truth values and the values that the automated detection process derived for each severity category listed in Section 6.4 with the percent of success. It should also report the length of false cracks detected per each 50 m^2 (540 ft^2) of pavement.

11.2. The analysis performance report should compare the values in each crack reporting category with the values derived by trained observers utilizing the crack map generated by the automated detection process. The test sections should be the same ones used for the verification of the analysis process.

12. CHECKING THE PERFORMANCE

12.1. A recommended check of the performance of the entire crack collection, detection, and analysis process is to routinely process the data from one or more validation sites. The validation sites should represent most of the data collection variables that the system is expected to encounter during routine data collection. Results are then compared for reasonableness with previous runs. A typical implementation of this process would involve 5 km (3 mi) of collected data and be performed monthly.

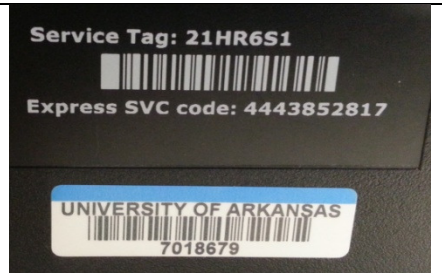
13. KEYWORDS

13.1. Asphalt pavement surface; automated data collection; pavement cracking distress; pavement images; pavement management.

APPDENDIX D INVENTORY OF WORKSTATION DELIVERABLES

Table D.1 Inventory of Workstation Deliverables

Item	UA Tag Number	Service Tag	Service Code	Mfg Date	Image
Dell Computer 1	7018671	8M9Z3V1	18761269069	20120526	
Dell Computer 2	7018682	8M9Z3V1	18761222413	20120525	
Monitor 1	7018677	31HR6S1	6620635153		

Item	UA Tag Number	Service Tag	Service Code	Mfg Date	Image
Monitor 2	7018678	5PGR6S1	12423708433		
Monitor 3	7018679	21HR6S1	4443852817		
Monitor 4	7018680	CPJR6S1	27666223633		

APPENDIX E DETAILED AUTOMATED PAVEMENT SURFACE DATA

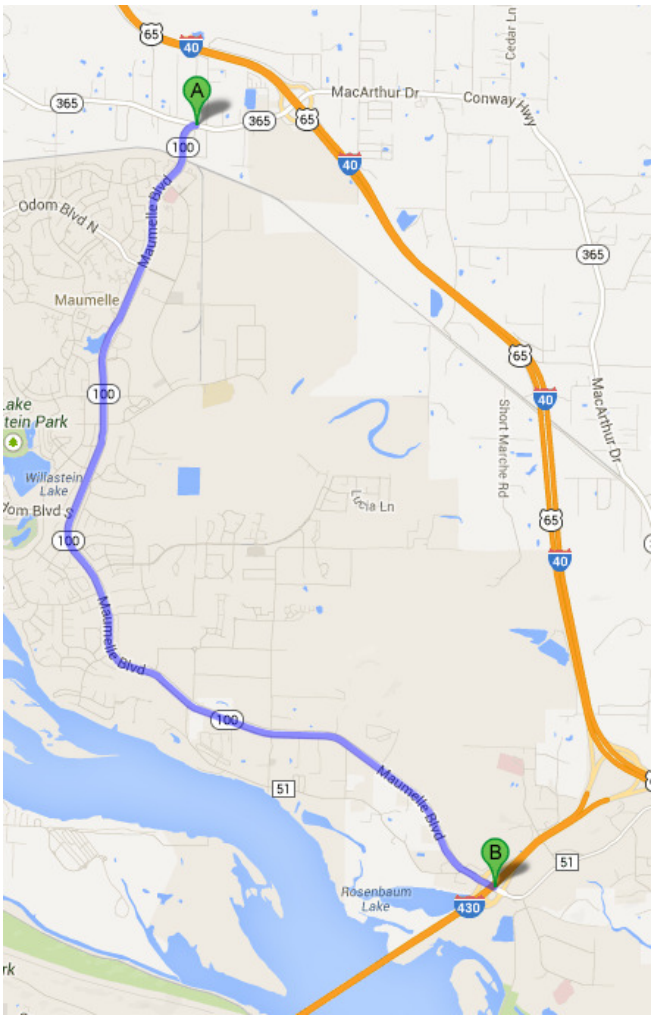
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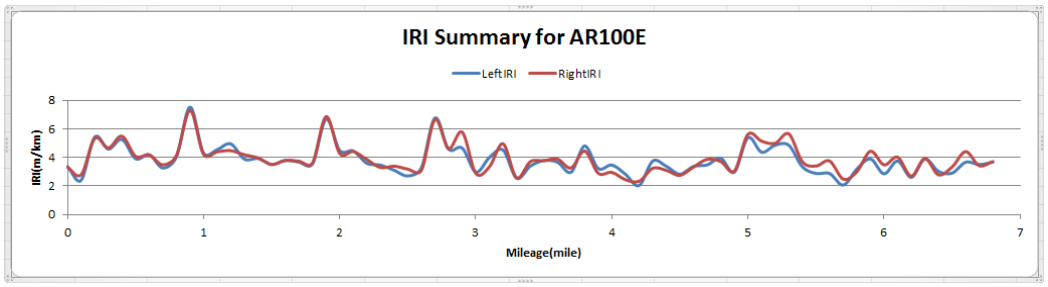
AR100 EAST BOUND

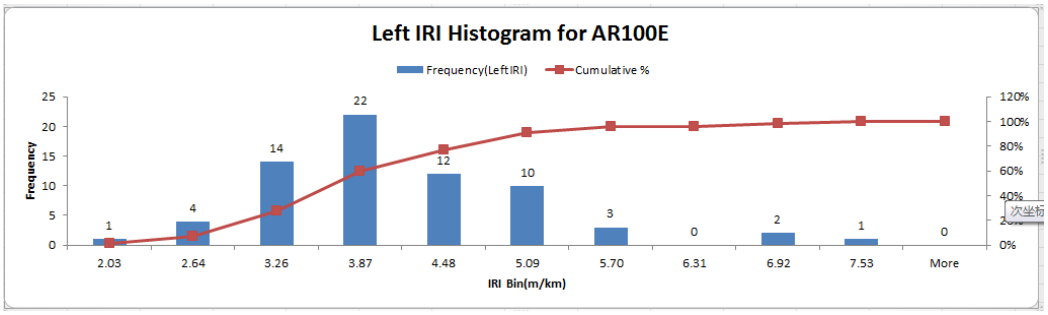
Route Description

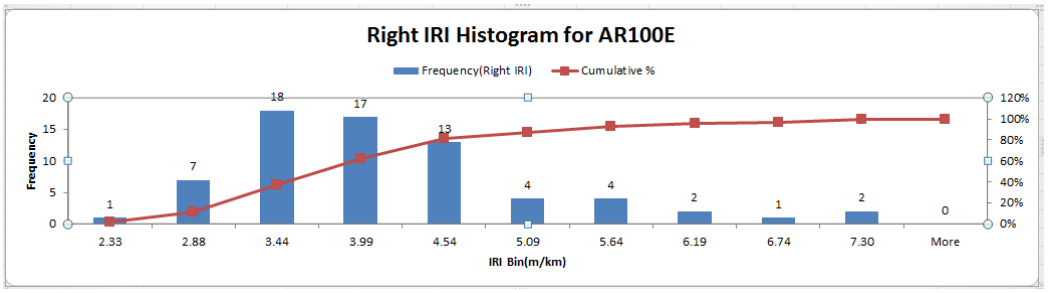
AR100 East Bound data collection starts at GPS coordinate of 34.883542,-92.39165, and ends at GPS coordinate of 34.810367,-92.356818, with a total length of 6.8 miles.



IRI Data


IRI Summary for AR100E
LeftIRI
RightIRI
IRI(m/km)
Mileage(mile)

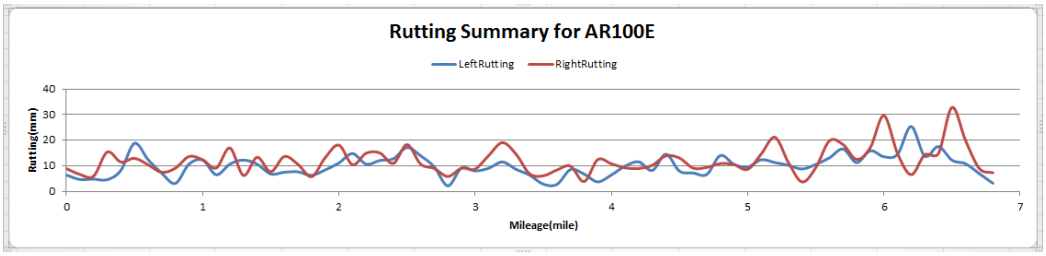

Left IRI Histogram for AR100E
Frequency(Left IRI)
Cumulative %
Frequency
IRI Bin(m/km)
2.03
2.64
3.26
3.87
4.48
5.09
5.70
6.31
6.92
7.53
More

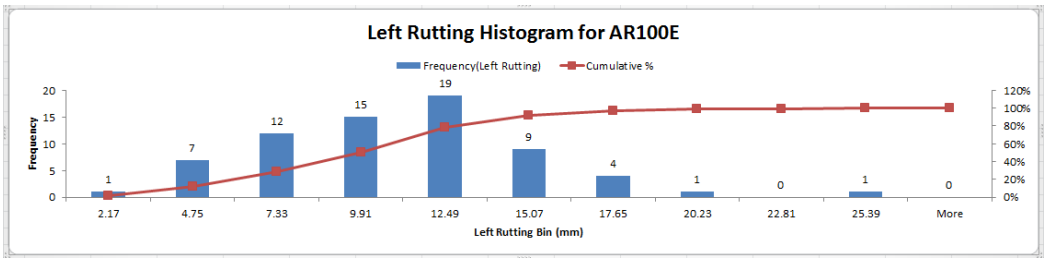

Right IRI Histogram for AR100E
Frequency(Right IRI)
Cumulative %
Frequency
IRI Bin(m/km)
2.33
2.88
3.44
3.99
4.54
5.09
5.64
6.19
6.74
7.30
More

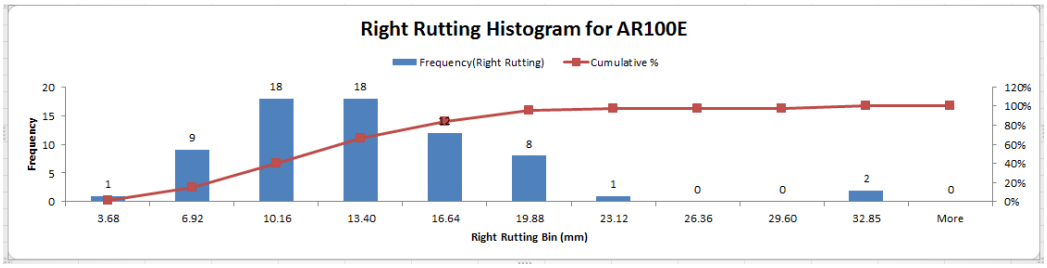
Mileage	Begin Position	End Position	Left IRI	Right IRI
0	1	529	3.36	3.31
0.1	529	1057	2.41	2.79
0.2	1057	1585	5.43	5.33
0.3	1585	2113	4.59	4.67
0.4	2113	2641	5.27	5.50
0.5	2641	3169	3.91	4.08
0.6	3169	3697	4.19	4.18
0.7	3697	4225	3.26	3.48
0.8	4225	4753	4.04	4.14
0.9	4753	5281	7.53	7.30
1	5281	5809	4.30	4.21
1.1	5809	6337	4.56	4.40
1.2	6337	6865	4.95	4.47
1.3	6865	7393	3.88	4.19
1.4	7393	7921	3.93	3.97
1.5	7921	8449	3.52	3.50
1.6	8449	8977	3.79	3.79
1.7	8977	9505	3.68	3.74
1.8	9505	10033	3.54	3.61
1.9	10033	10561	6.69	6.86
2	10561	11089	4.49	4.27
2.1	11089	11617	4.46	4.42
2.2	11617	12145	3.59	3.85
2.3	12145	12673	3.47	3.29
2.4	12673	13201	3.10	3.39
2.5	13201	13729	2.71	3.18
2.6	13729	14257	3.27	3.09
2.7	14257	14785	6.77	6.65
2.8	14785	15313	4.58	4.62
2.9	15313	15841	4.66	5.78
3	15841	16369	2.98	2.89
3.1	16369	16897	3.99	3.34
3.2	16897	17425	4.52	4.96
3.3	17425	17953	2.54	2.57
3.4	17953	18481	3.39	3.71
3.5	18481	19009	3.78	3.77
3.6	19009	19537	3.67	3.89
3.7	19537	20065	2.96	3.27
3.8	20065	20593	4.80	4.45
3.9	20593	21121	3.23	2.89
4	21121	21649	3.47	2.95
4.1	21649	22177	2.82	2.44

4.2	22177	22705	2.03	2.33
4.3	22705	23233	3.75	3.24
4.4	23233	23761	3.38	3.10
4.5	23761	24289	2.83	2.75
4.6	24289	24817	3.37	3.33
4.7	24817	25345	3.48	3.87
4.8	25345	25873	3.94	3.71
4.9	25873	26401	2.97	3.05
5	26401	26929	5.38	5.62
5.1	26929	27457	4.36	5.14
5.2	27457	27985	4.86	4.99
5.3	27985	28513	4.86	5.66
5.4	28513	29041	3.35	3.70
5.5	29041	29569	2.88	3.40
5.6	29569	30097	2.88	3.76
5.7	30097	30625	2.06	2.48
5.8	30625	31153	3.18	2.99
5.9	31153	31681	3.90	4.44
6	31681	32209	2.85	3.48
6.1	32209	32737	3.75	4.02
6.2	32737	33265	2.61	2.69
6.3	33265	33793	3.89	3.93
6.4	33793	34321	3.03	2.78
6.5	34321	34849	2.90	3.33
6.6	34849	35377	3.67	4.41
6.7	35377	35905	3.51	3.42
6.8	35905	36433	3.68	3.72

Rutting Data



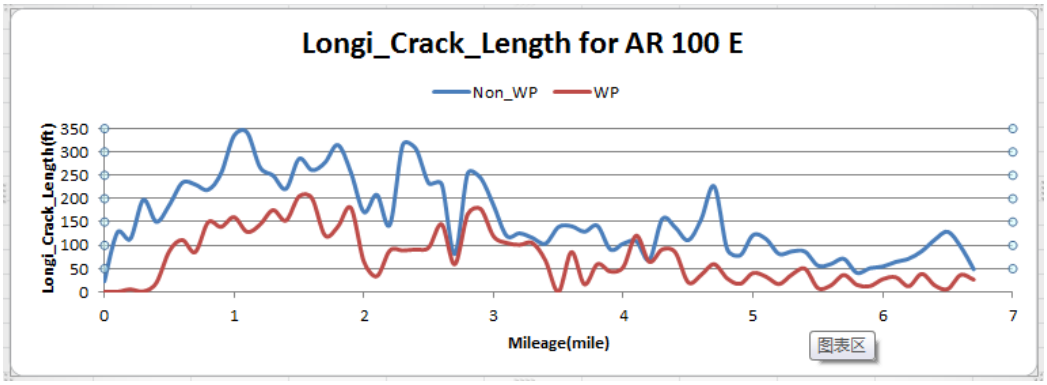


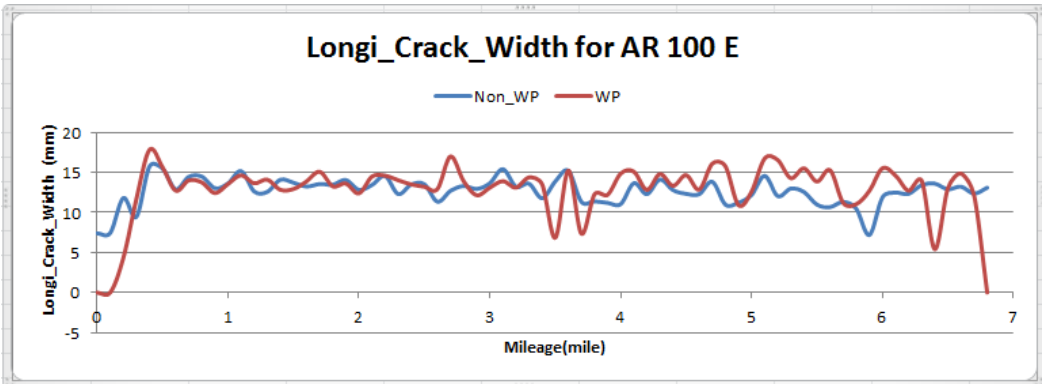


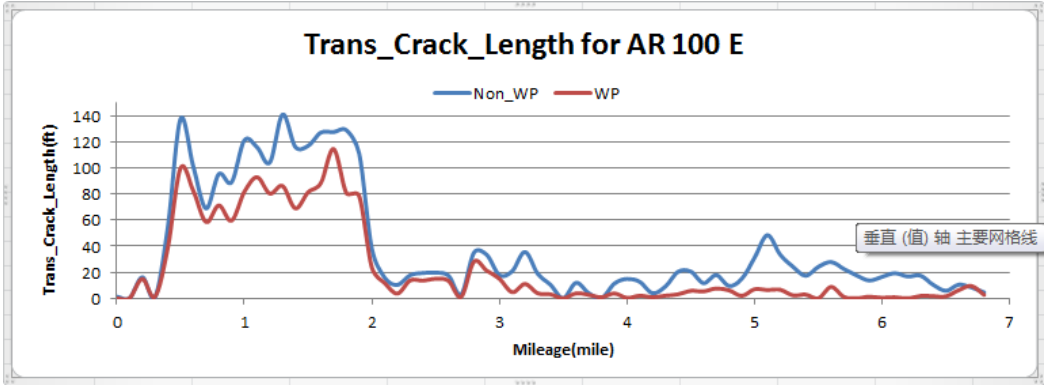
Mileage	Begin Position	End Position	Left Rutting	Right Rutting
0	1	529	6.40	8.94
0.1	529	1057	4.67	6.64
0.2	1057	1585	4.83	5.97
0.3	1585	2113	4.58	15.39
0.4	2113	2641	8.23	11.50
0.5	2641	3169	18.81	12.95
0.6	3169	3697	12.44	10.44
0.7	3697	4225	7.14	7.48
0.8	4225	4753	3.09	9.10
0.9	4753	5281	10.67	13.66
1	5281	5809	12.25	12.38
1.1	5809	6337	6.50	9.16
1.2	6337	6865	10.67	16.99
1.3	6865	7393	12.25	6.28
1.4	7393	7921	10.65	13.33
1.5	7921	8449	6.83	7.69
1.6	8449	8977	7.50	13.66
1.7	8977	9505	7.65	10.57
1.8	9505	10033	6.30	5.77
1.9	10033	10561	8.42	13.22
2	10561	11089	11.09	18.12
2.1	11089	11617	14.79	10.44
2.2	11617	12145	10.68	14.94
2.3	12145	12673	12.08	15.07
2.4	12673	13201	12.76	10.96
2.5	13201	13729	17.18	18.30
2.6	13729	14257	13.93	10.69
2.7	14257	14785	9.60	8.98
2.8	14785	15313	2.17	5.84
2.9	15313	15841	9.14	9.04
3	15841	16369	8.02	8.75
3.1	16369	16897	9.06	14.09
3.2	16897	17425	11.52	19.10
3.3	17425	17953	8.64	14.60
3.4	17953	18481	6.39	6.89
3.5	18481	19009	2.85	6.10
3.6	19009	19537	2.72	8.36
3.7	19537	20065	8.53	9.90
3.8	20065	20593	6.78	3.84
3.9	20593	21121	3.74	12.42
4	21121	21649	6.43	10.81
4.1	21649	22177	9.86	9.23

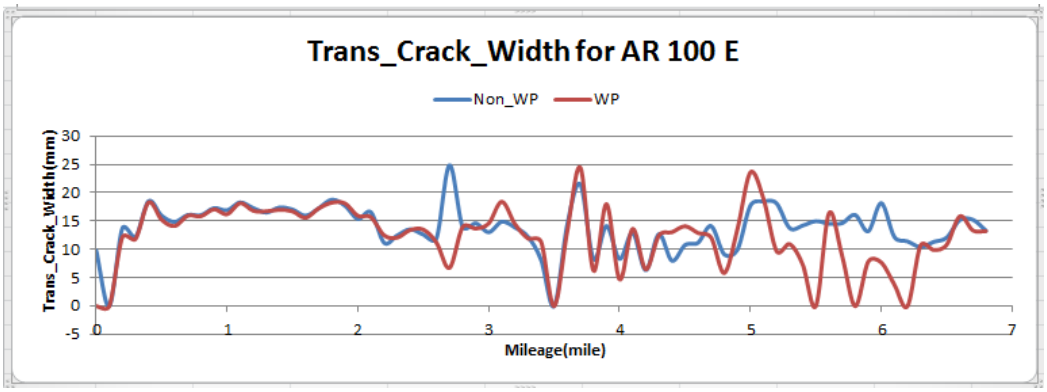
4.2	22177	22705	11.59	8.95
4.3	22705	23233	8.20	10.22
4.4	23233	23761	14.56	13.91
4.5	23761	24289	7.91	13.04
4.6	24289	24817	7.23	9.11
4.7	24817	25345	6.64	9.39
4.8	25345	25873	14.06	10.88
4.9	25873	26401	10.57	10.48
5	26401	26929	9.57	8.62
5.1	26929	27457	12.38	14.65
5.2	27457	27985	11.28	21.17
5.3	27985	28513	10.22	11.20
5.4	28513	29041	8.77	3.68
5.5	29041	29569	10.55	9.29
5.6	29569	30097	13.12	19.80
5.7	30097	30625	16.57	18.33
5.8	30625	31153	11.26	12.51
5.9	31153	31681	15.89	17.14
6	31681	32209	13.58	29.66
6.1	32209	32737	14.48	14.83
6.2	32737	33265	25.39	6.54
6.3	33265	33793	13.80	14.37
6.4	33793	34321	17.56	14.82
6.5	34321	34849	12.20	32.85
6.6	34849	35377	10.79	19.83
6.7	35377	35905	6.95	8.98
6.8	35905	36433	3.16	7.26

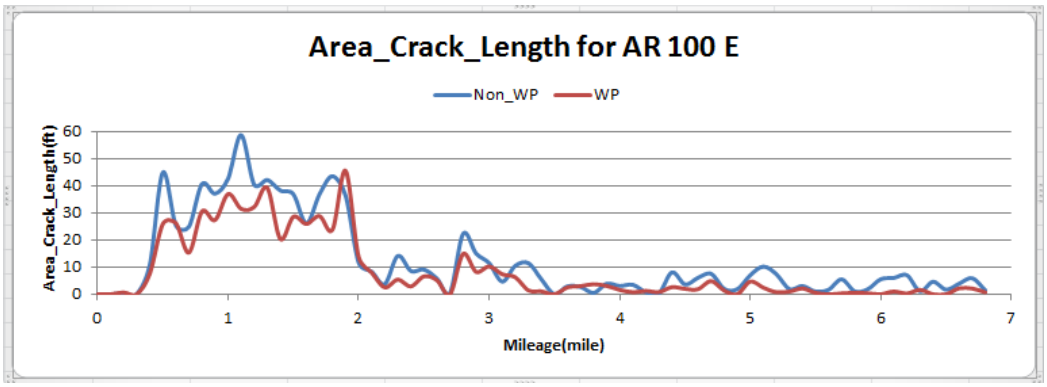
Detailed Cracking Data

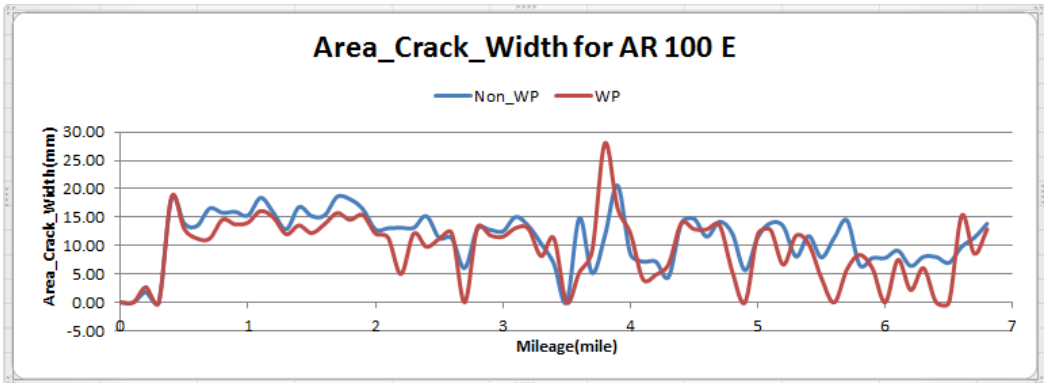







Trans_Crack_Width for AR 100 E
Non_WP
WP
Trans_Crack_Width(mm)
30
25
20
15
10
5
0
-5
0
1
2
3
4
5
6
7
Mileage(mile)

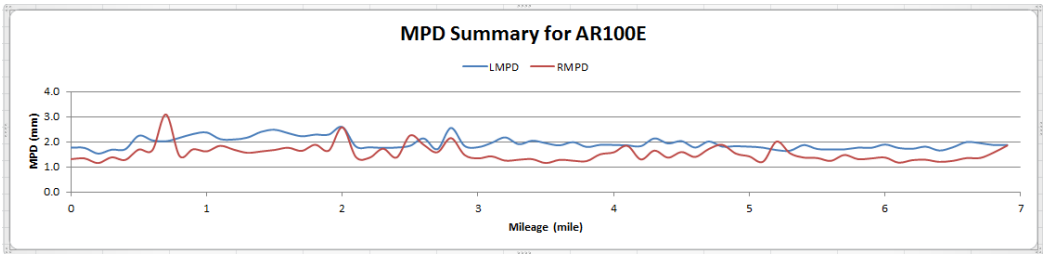

Area_Crack_Length for AR 100 E
Non_WP
WP
Area_Crack_Length(ft)
60
50
40
30
20
10
0
0
1
2
3
4
5
6
7
Mileage(mile)

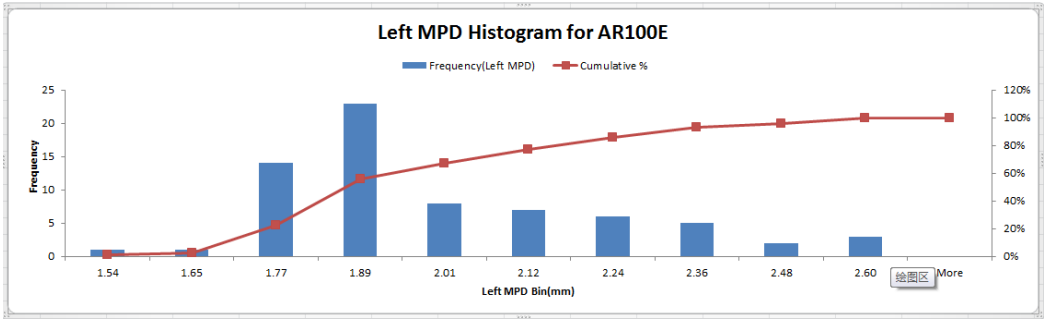

Area_Crack_Width for AR 100 E
Non_WP
WP
Area_Crack_Width(mm)
30.00
25.00
20.00
15.00
10.00
5.00
0.00
-5.00
0
1
2
3
4
5
6
7
Mileage(mile)

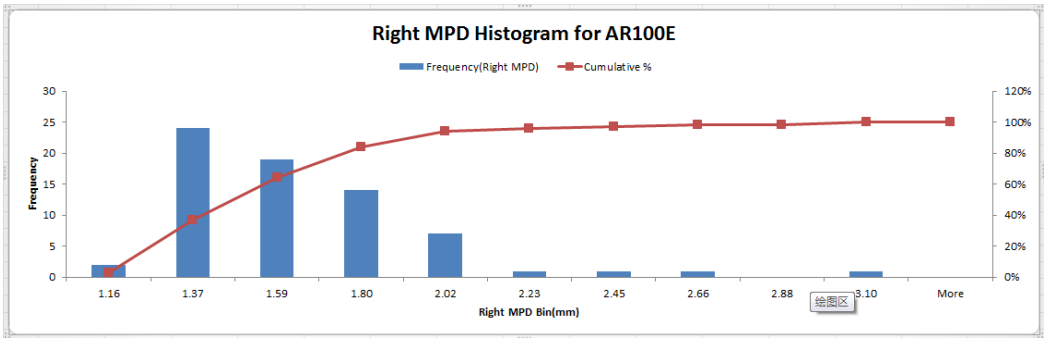
Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	22.54	0.00	7.42	0.00	1.34	0.00	9.81	0.00	0.00	0.00	0.00	0.00
0.1	127.12	0.00	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.2	113.15	5.15	11.82	4.30	16.24	14.92	13.71	12.16	0.26	0.64	1.80	2.70
0.3	196.86	0.88	9.46	11.70	0.76	1.18	12.15	11.81	0.00	0.00	0.00	0.00
0.4	150.08	19.15	15.77	17.86	54.62	38.72	18.52	18.29	10.83	7.54	18.23	18.59
0.5	185.62	86.89	15.48	15.65	137.95	100.04	15.97	15.25	44.88	25.91	13.90	12.96
0.6	233.45	111.06	12.89	12.73	101.32	82.72	14.87	14.14	25.37	26.21	13.48	11.26
0.7	229.75	85.04	14.47	14.02	69.16	58.61	16.10	15.97	24.86	15.31	16.57	11.23
0.8	218.44	149.04	14.50	13.75	95.61	71.48	16.04	15.85	40.65	30.53	15.79	14.58
0.9	253.90	139.15	13.04	12.44	89.23	59.64	17.29	17.08	37.06	27.29	15.98	13.76
1	334.48	159.90	13.63	13.57	121.45	81.82	16.91	16.21	42.63	36.94	15.30	14.06
1.1	341.48	128.27	15.18	14.65	116.17	93.15	18.30	18.17	58.69	31.48	18.44	16.11
1.2	266.64	143.96	12.62	13.66	104.44	80.52	17.31	16.83	40.40	32.17	15.79	14.93
1.3	249.05	174.97	12.58	14.11	141.31	86.42	16.52	16.73	42.13	39.25	12.86	12.03
1.4	220.54	152.64	14.10	12.84	116.45	69.14	17.41	17.00	38.24	20.35	16.80	13.58
1.5	284.74	204.33	13.73	12.94	117.23	81.52	17.06	16.73	36.89	28.55	15.22	12.21
1.6	260.49	200.49	13.25	13.89	127.49	88.68	15.97	15.59	26.09	25.92	15.31	13.78
1.7	276.65	120.89	13.57	15.10	127.84	114.81	17.26	17.25	36.82	28.83	18.63	15.74
1.8	314.40	139.63	13.47	13.28	129.32	80.96	18.79	18.26	43.53	23.83	18.20	14.57
1.9	255.91	179.61	14.06	13.63	111.35	78.68	17.75	18.15	36.37	45.58	16.47	15.42
2	170.70	64.70	12.84	12.39	38.01	23.60	15.38	15.95	11.62	13.75	12.88	12.13
2.1	207.71	33.33	13.44	14.50	15.87	11.71	16.57	15.68	8.33	7.99	13.07	11.38
2.2	143.58	88.30	14.56	14.61	10.37	3.60	11.17	12.51	3.70	2.50	13.17	4.98
2.3	314.87	88.40	12.31	14.04	17.77	13.78	12.47	12.09	14.17	5.38	13.14	12.10
2.4	306.65	90.59	13.50	13.51	19.46	13.56	13.55	13.43	8.57	2.88	15.21	9.80
2.5	232.38	94.78	13.54	13.22	19.79	14.99	12.62	13.50	9.08	6.56	11.36	11.18
2.6	230.22	144.43	11.35	12.93	17.48	13.48	11.89	11.22	5.76	5.15	11.28	12.19
2.7	80.98	58.90	12.72	17.02	3.00	1.10	24.87	6.74	0.53	0.00	6.04	0.00
2.8	253.50	165.95	13.31	13.92	35.09	28.16	14.00	13.93	22.26	14.84	12.97	13.26
2.9	243.81	177.61	12.95	12.16	33.53	21.31	14.63	13.69	14.99	8.23	12.79	11.82
3	185.12	118.94	13.65	13.11	17.84	15.02	13.05	14.60	11.46	10.26	12.53	11.57
3.1	119.89	104.57	15.42	13.93	20.88	4.68	14.89	18.44	4.65	7.37	15.06	13.10
3.2	125.21	100.62	13.22	13.11	35.67	10.99	13.89	14.50	10.48	6.27	13.50	12.99
3.3	115.40	104.26	13.60	14.39	18.90	3.86	12.23	11.94	11.47	1.44	10.36	8.16
3.4	103.25	66.72	11.78	13.50	10.45	3.12	8.15	11.35	5.48	1.04	6.79	11.29
3.5	138.79	0.07	13.88	6.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	140.58	85.14	15.22	15.24	11.96	3.81	14.39	13.21	2.93	2.51	14.87	5.30
3.7	128.78	16.14	11.33	7.35	3.93	2.65	21.49	24.45	2.66	3.00	5.18	9.02
3.8	141.49	59.26	11.40	12.26	0.12	0.78	8.34	6.25	0.49	3.70	11.69	28.06
3.9	90.66	43.38	11.21	12.21	11.20	3.76	14.14	18.02	3.85	3.05	20.62	16.63

4	103.15	53.22	11.05	14.87	14.97	0.30	8.34	4.71	3.04	1.58	8.57	12.24
4.1	108.10	120.23	13.67	15.12	12.67	1.98	12.93	13.63	3.48	0.76	7.19	4.05
4.2	68.29	64.32	12.29	12.83	3.92	0.89	6.34	6.49	0.75	1.23	7.18	4.85
4.3	155.89	90.74	14.13	14.82	9.02	2.04	12.70	12.46	0.27	0.81	4.48	6.71
4.4	137.79	84.44	12.81	13.34	20.38	3.07	8.01	13.04	8.09	2.60	13.94	13.92
4.5	110.57	20.11	12.33	14.68	20.58	5.70	10.77	14.11	3.62	2.00	14.74	12.90
4.6	155.41	36.44	12.29	12.87	11.67	5.32	11.19	12.90	6.08	1.85	11.58	12.86
4.7	225.75	59.10	13.85	16.12	17.86	7.52	14.14	12.09	7.54	4.84	14.23	13.60
4.8	91.46	28.76	10.99	15.79	9.52	6.11	9.10	5.85	2.00	1.35	12.14	5.42
4.9	77.89	17.05	11.23	10.92	15.02	1.91	9.92	13.54	1.86	0.00	5.66	0.00
5	121.37	40.16	12.20	12.63	31.29	7.00	17.77	23.60	7.03	4.66	11.47	11.99
5.1	113.01	32.39	14.59	16.76	48.57	6.40	18.50	18.90	10.19	2.43	13.97	12.77
5.2	81.16	16.74	12.05	16.56	33.65	6.61	18.12	9.69	7.39	0.76	13.42	6.65
5.3	86.58	37.07	12.99	14.28	24.38	2.30	13.76	10.95	1.90	1.00	8.08	11.76
5.4	86.11	49.46	12.57	15.53	17.40	2.85	14.23	7.30	3.01	2.11	11.71	10.31
5.5	55.97	8.04	10.98	13.86	24.25	0.00	15.00	0.00	1.00	0.52	7.91	4.23
5.6	59.54	13.87	10.68	15.29	27.92	8.80	14.54	16.39	1.68	0.00	11.40	0.00
5.7	70.51	36.02	11.33	11.20	22.56	1.04	14.65	8.91	5.49	0.33	14.46	5.84
5.8	40.56	14.94	10.46	11.05	17.59	0.00	16.09	0.00	1.06	0.57	6.57	8.36
5.9	50.53	12.14	7.18	12.71	13.72	1.26	13.21	7.84	1.87	0.36	7.83	5.97
6	54.20	27.16	11.90	15.54	16.54	0.40	18.18	7.70	5.54	0.00	7.83	0.00
6.1	64.04	31.02	12.48	14.62	19.33	0.81	12.21	3.79	6.02	1.02	9.11	7.49
6.2	70.91	11.98	12.33	12.71	16.75	0.00	11.43	0.00	7.00	0.26	6.42	2.17
6.3	86.98	38.43	13.44	13.97	17.52	1.77	10.44	10.71	1.10	1.62	8.03	6.04
6.4	111.67	13.69	13.61	5.41	10.36	1.66	11.33	9.91	4.61	0.00	8.01	0.00
6.5	128.44	5.97	12.90	13.04	5.80	1.53	12.10	10.84	1.69	0.00	6.97	0.00
6.6	96.64	36.11	13.24	14.87	10.47	6.25	15.20	15.87	3.90	2.16	9.81	15.29
6.7	48.18	26.23	12.37	12.13	8.31	9.42	15.25	13.34	5.88	2.11	11.42	8.58
6.8	27.29	0.00	13.11	0.00	4.51	2.57	13.31	13.25	1.46	0.70	13.87	12.91

Detailed MPD Data







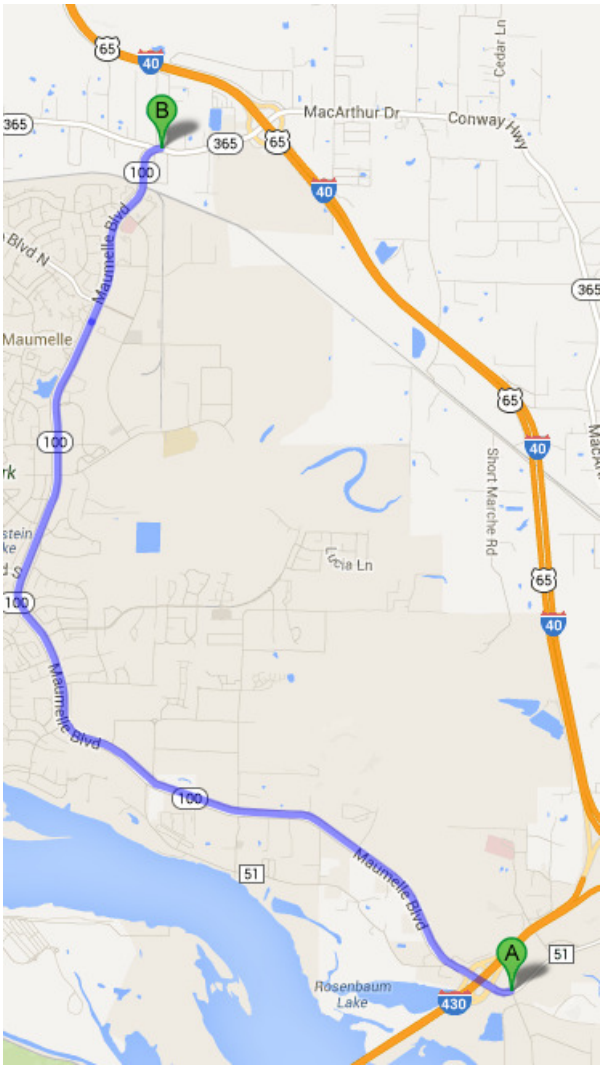
Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	1.77	1.315
0.10	70 / 819	71 / 136	1.761	1.344
0.20	140 / 1638	141 / 955	1.536	1.159
0.30	211 / 409	211 / 1774	1.692	1.386
0.40	281 / 1228	282 / 545	1.708	1.286
0.50	351 / 2047	352 / 1364	2.248	1.698
0.60	422 / 818	423 / 135	2.062	1.668
0.70	492 / 1637	493 / 954	2.027	3.095
0.80	563 / 408	563 / 1773	2.164	1.442
0.90	633 / 1227	634 / 544	2.316	1.707
1.00	703 / 2046	704 / 1363	2.377	1.624
1.10	774 / 817	775 / 134	2.113	1.848
1.20	844 / 1636	845 / 953	2.096	1.692
1.30	915 / 407	915 / 1772	2.172	1.568
1.40	985 / 1226	986 / 543	2.399	1.621
1.50	1055 / 2045	1056 / 1362	2.485	1.68
1.60	1126 / 816	1127 / 133	2.352	1.77
1.70	1196 / 1635	1197 / 952	2.227	1.644
1.80	1267 / 406	1267 / 1771	2.291	1.888
1.90	1337 / 1225	1338 / 542	2.293	1.655
2.00	1407 / 2044	1408 / 1361	2.596	2.581
2.10	1478 / 815	1479 / 132	1.816	1.398
2.20	1548 / 1634	1549 / 951	1.788	1.371
2.30	1619 / 405	1619 / 1770	1.761	1.731
2.40	1689 / 1224	1690 / 541	1.777	1.38
2.50	1759 / 2043	1760 / 1360	1.85	2.26
2.60	1830 / 814	1831 / 131	2.138	1.885
2.70	1900 / 1633	1901 / 950	1.709	1.588
2.80	1971 / 404	1971 / 1769	2.556	2.154
2.90	2041 / 1223	2042 / 540	1.844	1.483
3.00	2111 / 2042	2112 / 1359	1.791	1.346
3.10	2182 / 813	2183 / 130	1.963	1.427
3.20	2252 / 1632	2253 / 949	2.181	1.255
3.30	2323 / 403	2323 / 1768	1.911	1.293
3.40	2393 / 1222	2394 / 539	2.051	1.314
3.50	2463 / 2041	2464 / 1358	1.95	1.159
3.60	2534 / 812	2535 / 129	1.863	1.287
3.70	2604 / 1631	2605 / 948	1.992	1.253
3.80	2675 / 402	2675 / 1767	1.801	1.236
3.90	2745 / 1221	2746 / 538	1.884	1.507
4.00	2815 / 2040	2816 / 1357	1.88	1.586

4.10	2886 / 811	2887 / 128	1.865	1.845
4.20	2956 / 1630	2957 / 947	1.833	1.303
4.30	3027 / 401	3027 / 1766	2.141	1.654
4.40	3097 / 1220	3098 / 537	1.942	1.376
4.50	3167 / 2039	3168 / 1356	2.033	1.598
4.60	3238 / 810	3239 / 127	1.778	1.404
4.70	3308 / 1629	3309 / 946	2.017	1.717
4.80	3379 / 400	3379 / 1765	1.814	1.885
4.90	3449 / 1219	3450 / 536	1.834	1.536
5.00	3519 / 2038	3520 / 1355	1.813	1.423
5.10	3590 / 809	3591 / 126	1.773	1.21
5.20	3660 / 1628	3661 / 945	1.675	2.013
5.30	3731 / 399	3731 / 1764	1.653	1.545
5.40	3801 / 1218	3802 / 535	1.874	1.378
5.50	3871 / 2037	3872 / 1354	1.72	1.36
5.60	3942 / 808	3943 / 125	1.704	1.248
5.70	4012 / 1627	4013 / 944	1.703	1.479
5.80	4083 / 398	4083 / 1763	1.772	1.316
5.90	4153 / 1217	4154 / 534	1.768	1.345
6.00	4223 / 2036	4224 / 1353	1.897	1.379
6.10	4294 / 807	4295 / 124	1.759	1.175
6.20	4364 / 1626	4365 / 943	1.727	1.275
6.30	4435 / 397	4435 / 1762	1.813	1.29
6.40	4505 / 1216	4506 / 533	1.658	1.206
6.50	4575 / 2035	4576 / 1352	1.788	1.248
6.60	4646 / 806	4647 / 123	1.996	1.356
6.70	4716 / 1625	4717 / 942	1.952	1.362
6.80	4787 / 396	4787 / 1761	1.877	1.577
6.90	4857 / 1215	4858 / 532	1.881	1.858

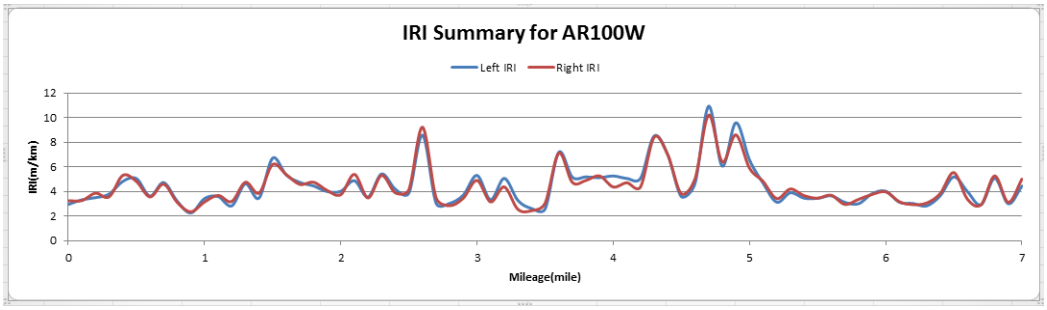
AR100 WEST BOUND

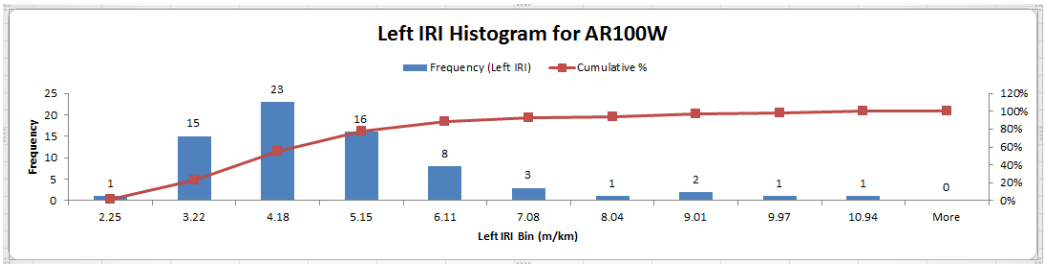
Route Description

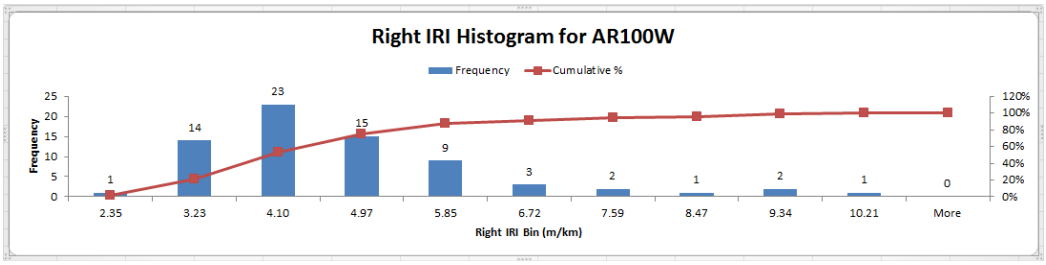
AR100 West Bound data collection starts at GPS coordinate of 34.809543,-92.353691, and ends at GPS coordinate of 34.883409,-92.391124, with a total length of 7.1 miles.



IRI Data


IRI Summary for AR100W
Left IRI
Right IRI
IRI(m/km)
Mileage(mile)

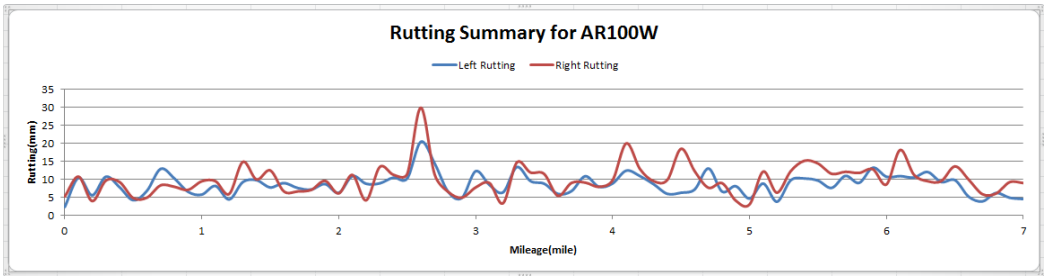

Left IRI Histogram for AR100W
Frequency (Left IRI)
Cumulative %
Frequency
Left IRI Bin (m/km)
2.25
3.22
4.18
5.15
6.11
7.08
8.04
9.01
9.97
10.94
More

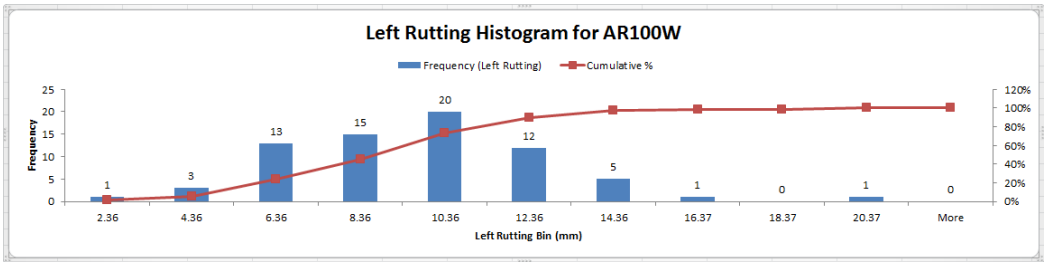

Right IRI Histogram for AR100W
Frequency
Cumulative %
Frequency
Right IRI Bin (m/km)
2.35
3.23
4.10
4.97
5.85
6.72
7.59
8.47
9.34
10.21
More

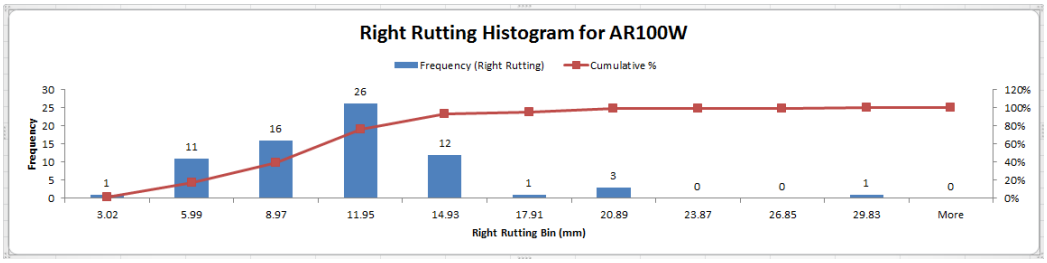
Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	2.95	3.25
0.1	1	529	1057	3.32	3.26
0.2	2	1057	1585	3.50	3.86
0.3	3	1585	2113	3.79	3.56
0.4	4	2113	2641	4.82	5.31
0.5	5	2641	3169	5.05	4.82
0.6	6	3169	3697	3.62	3.56
0.7	7	3697	4225	4.72	4.60
0.8	8	4225	4753	3.20	3.11
0.9	9	4753	5281	2.25	2.35
1	10	5281	5809	3.42	3.14
1.1	11	5809	6337	3.59	3.68
1.2	12	6337	6865	2.83	3.18
1.3	13	6865	7393	4.62	4.75
1.4	14	7393	7921	3.47	3.87
1.5	15	7921	8449	6.71	6.20
1.6	16	8449	8977	5.34	5.38
1.7	17	8977	9505	4.73	4.58
1.8	18	9505	10033	4.46	4.75
1.9	19	10033	10561	3.99	4.09
2	20	10561	11089	4.01	3.74
2.1	21	11089	11617	4.88	5.39
2.2	22	11617	12145	3.55	3.48
2.3	23	12145	12673	5.42	5.31
2.4	24	12673	13201	4.19	3.89
2.5	25	13201	13729	3.87	4.15
2.6	26	13729	14257	8.59	9.23
2.7	27	14257	14785	3.04	3.47
2.8	28	14785	15313	3.03	2.84
2.9	29	15313	15841	3.71	3.46
3	30	15841	16369	5.31	4.90
3.1	31	16369	16897	3.33	3.15
3.2	32	16897	17425	5.06	4.37
3.3	33	17425	17953	3.28	2.55
3.4	34	17953	18481	2.62	2.44
3.5	35	18481	19009	2.58	3.05
3.6	36	19009	19537	7.19	7.11
3.7	37	19537	20065	5.16	4.74
3.8	38	20065	20593	5.19	4.90
3.9	39	20593	21121	5.13	5.26
4	40	21121	21649	5.26	4.36
4.1	41	21649	22177	5.06	4.71

4.2	42	22177	22705	5.06	4.37
4.3	43	22705	23233	8.50	8.41
4.4	44	23233	23761	7.00	6.98
4.5	45	23761	24289	3.58	3.81
4.6	46	24289	24817	4.65	5.02
4.7	47	24817	25345	10.94	10.21
4.8	48	25345	25873	6.06	6.41
4.9	49	25873	26401	9.59	8.60
5	50	26401	26929	6.57	5.90
5.1	51	26929	27457	4.68	4.82
5.2	52	27457	27985	3.13	3.42
5.3	53	27985	28513	3.90	4.20
5.4	54	28513	29041	3.46	3.66
5.5	55	29041	29569	3.44	3.46
5.6	56	29569	30097	3.65	3.69
5.7	57	30097	30625	3.11	2.95
5.8	58	30625	31153	3.00	3.36
5.9	59	31153	31681	3.82	3.76
6	60	31681	32209	4.03	3.97
6.1	61	32209	32737	3.13	3.17
6.2	62	32737	33265	3.02	2.93
6.3	63	33265	33793	2.83	3.06
6.4	64	33793	34321	3.65	3.83
6.5	65	34321	34849	5.19	5.53
6.6	66	34849	35377	3.99	3.36
6.7	67	35377	35905	2.91	2.92
6.8	68	35905	36433	5.07	5.26
6.9	69	36433	36961	3.00	3.12
7	70	36961	37489	4.45	5.01

Rutting Data



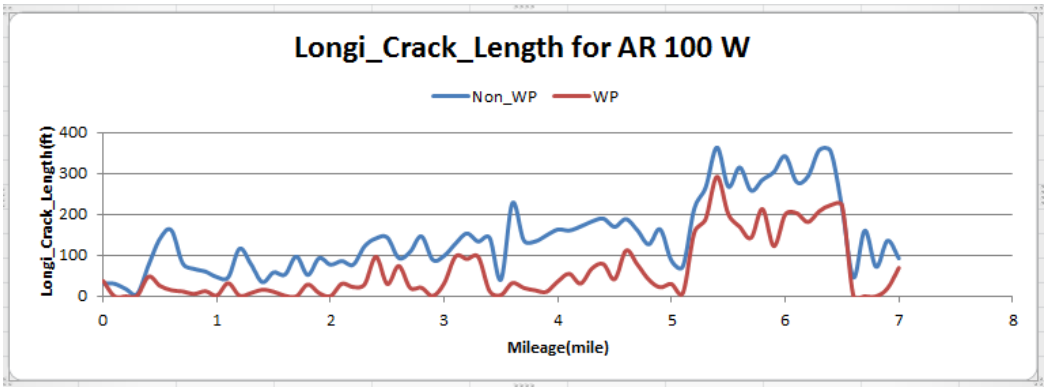


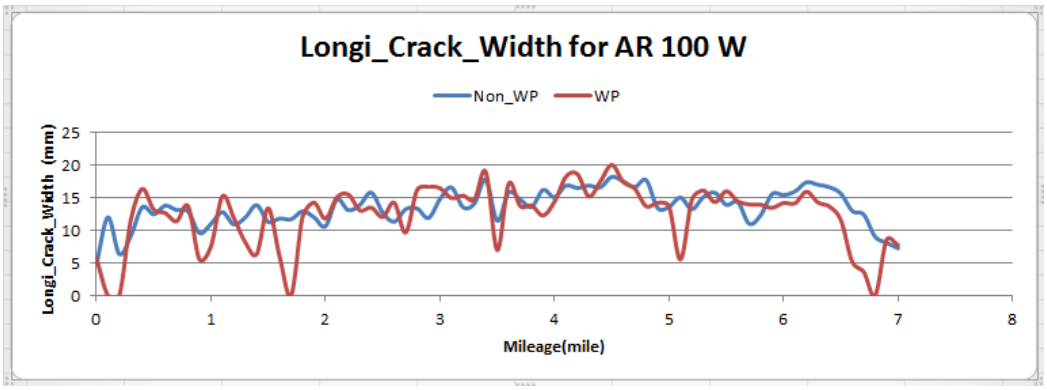


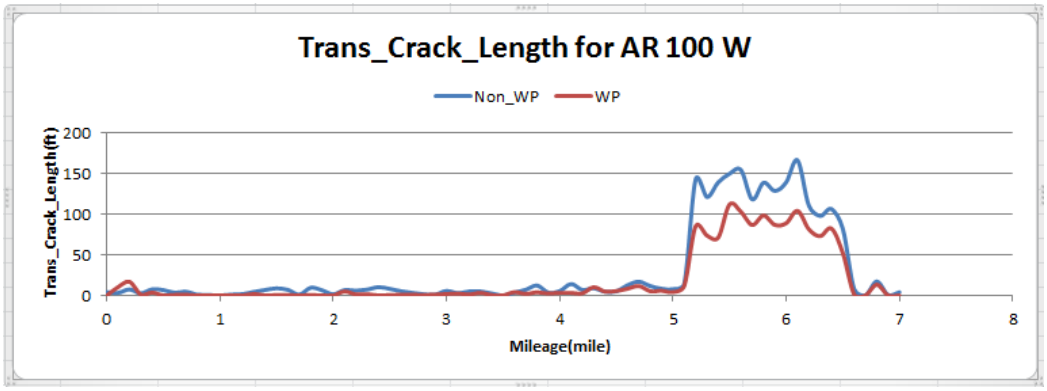
Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	2.36	5.24
0.1	1	529	1057	10.40	10.73
0.2	2	1057	1585	5.57	3.96
0.3	3	1585	2113	10.71	9.63
0.4	4	2113	2641	7.79	9.22
0.5	5	2641	3169	4.18	4.79
0.6	6	3169	3697	6.82	4.91
0.7	7	3697	4225	12.88	8.32
0.8	8	4225	4753	10.23	7.91
0.9	9	4753	5281	6.53	7.07
1	10	5281	5809	5.75	9.43
1.1	11	5809	6337	8.15	9.48
1.2	12	6337	6865	4.40	5.93
1.3	13	6865	7393	9.22	14.81
1.4	14	7393	7921	9.75	9.94
1.5	15	7921	8449	7.74	12.46
1.6	16	8449	8977	8.94	6.62
1.7	17	8977	9505	7.59	6.62
1.8	18	9505	10033	7.15	7.06
1.9	19	10033	10561	8.68	9.57
2	20	10561	11089	6.23	6.08
2.1	21	11089	11617	10.88	11.19
2.2	22	11617	12145	8.76	4.17
2.3	23	12145	12673	8.87	13.41
2.4	24	12673	13201	10.48	11.24
2.5	25	13201	13729	10.20	11.43
2.6	26	13729	14257	20.37	29.83
2.7	27	14257	14785	14.46	11.39
2.8	28	14785	15313	6.48	6.51
2.9	29	15313	15841	4.86	4.91
3	30	15841	16369	12.24	7.72
3.1	31	16369	16897	8.46	8.98
3.2	32	16897	17425	6.37	3.35
3.3	33	17425	17953	13.36	14.61
3.4	34	17953	18481	9.51	11.88
3.5	35	18481	19009	8.78	11.49
3.6	36	19009	19537	5.96	5.43
3.7	37	19537	20065	6.71	8.99
3.8	38	20065	20593	10.85	9.08
3.9	39	20593	21121	7.91	7.92
4	40	21121	21649	8.84	9.74
4.1	41	21649	22177	12.39	19.93

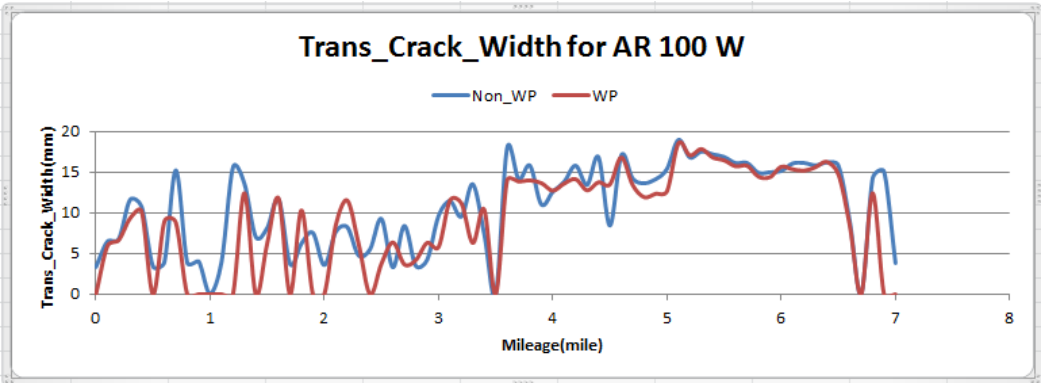
4.2	42	22177	22705	10.87	12.83
4.3	43	22705	23233	8.62	9.47
4.4	44	23233	23761	5.96	9.83
4.5	45	23761	24289	6.27	18.43
4.6	46	24289	24817	7.20	12.19
4.7	47	24817	25345	12.99	7.64
4.8	48	25345	25873	6.58	8.92
4.9	49	25873	26401	8.08	4.06
5	50	26401	26929	4.64	3.02
5.1	51	26929	27457	8.81	12.13
5.2	52	27457	27985	3.79	6.29
5.3	53	27985	28513	9.70	12.20
5.4	54	28513	29041	10.23	15.13
5.5	55	29041	29569	9.62	14.35
5.6	56	29569	30097	7.61	11.50
5.7	57	30097	30625	10.94	12.07
5.8	58	30625	31153	8.99	11.75
5.9	59	31153	31681	13.19	12.77
6	60	31681	32209	10.70	8.58
6.1	61	32209	32737	10.88	18.12
6.2	62	32737	33265	10.49	11.27
6.3	63	33265	33793	12.01	9.47
6.4	64	33793	34321	9.24	9.49
6.5	65	34321	34849	9.77	13.57
6.6	66	34849	35377	5.18	9.92
6.7	67	35377	35905	3.87	5.88
6.8	68	35905	36433	6.18	6.05
6.9	69	36433	36961	4.88	9.22
7	70	36961	37489	4.53	8.94

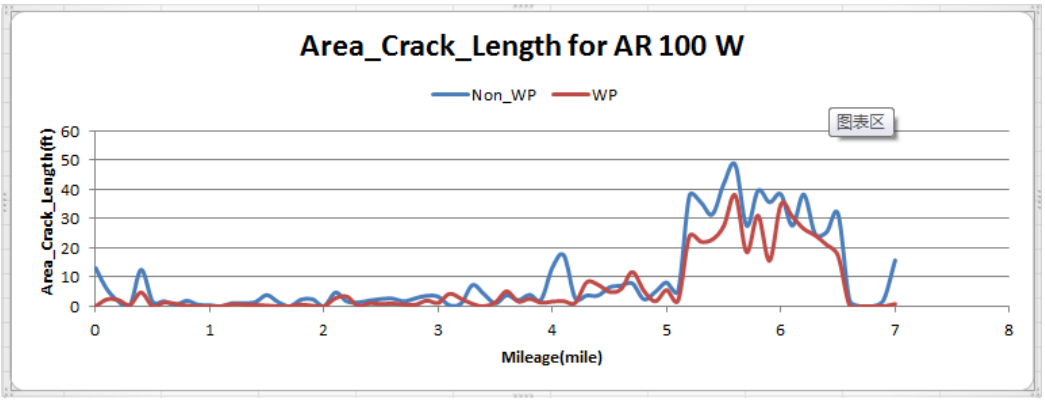
Cracking Data

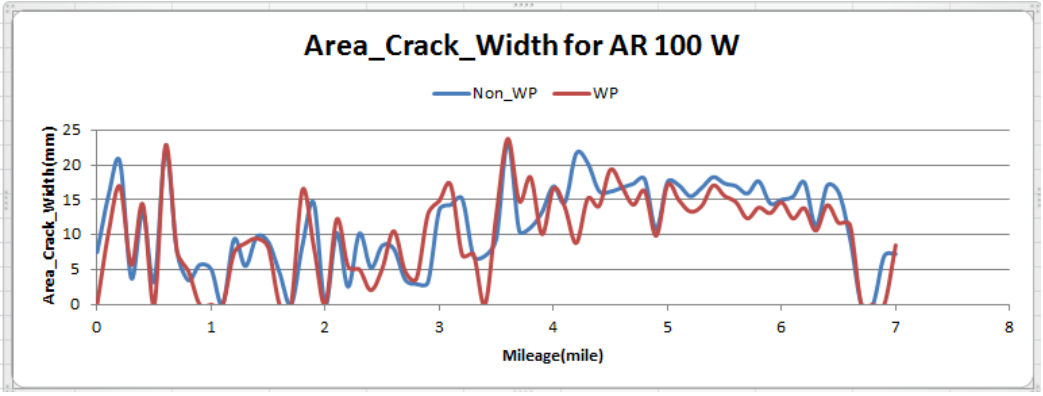







Trans_Crack_Width for AR 100 W
Non_WP
WP
Trans_Crack_Width(mm)
0
5
10
15
20
0
1
2
3
4
5
6
7
8
Mileage(mile)

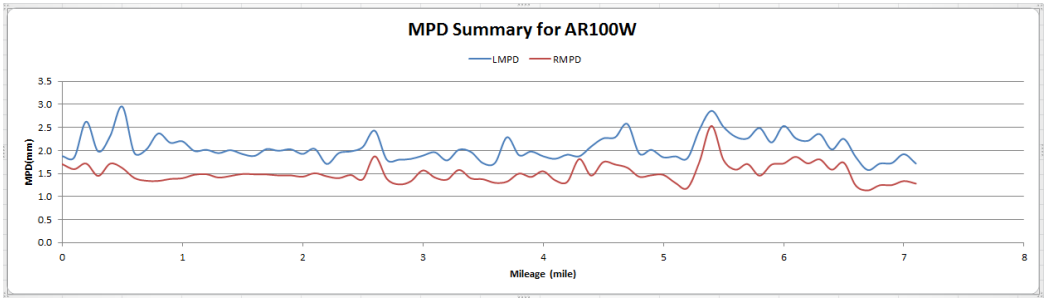

Area_Crack_Length for AR 100 W
Non_WP
WP
图表区
Area_Crack_Length(ft)
0
10
20
30
40
50
60
0
1
2
3
4
5
6
7
8
Mileage(mile)

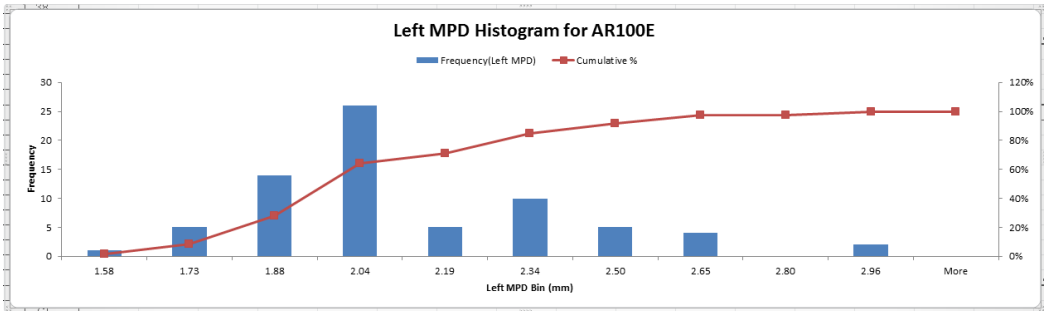

Area_Crack_Width for AR 100 W
Non_WP
WP
Area_Crack_Width(mm)
0
5
10
15
20
25
0
1
2
3
4
5
6
7
8
Mileage(mile)

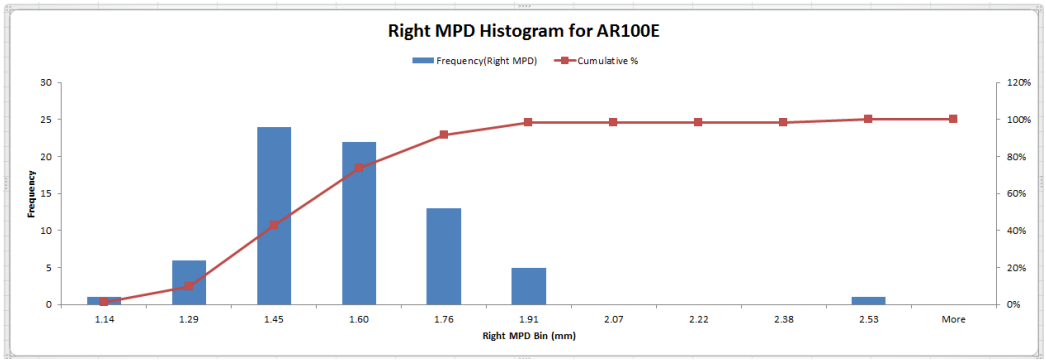
Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	31.58	37.60	4.81	5.68	4.05	0.00	3.35	0.00	13.08	0.00	7.52	0.00
0.1	30.79	0.00	11.96	0.00	3.05	10.31	6.47	5.89	5.79	2.35	15.63	10.32
0.2	17.76	0.00	6.32	0.00	7.39	16.69	6.78	6.65	1.69	2.15	20.45	16.92
0.3	6.10	1.83	9.09	11.53	2.42	1.17	11.63	9.33	0.08	0.44	3.79	5.68
0.4	76.53	48.12	13.50	16.33	7.45	3.49	10.79	10.21	12.47	4.68	13.23	14.42
0.5	140.85	25.63	12.42	13.14	6.47	0.00	3.40	0.00	1.55	0.00	3.30	0.00
0.6	161.43	14.90	13.74	12.61	3.42	0.68	3.96	8.97	1.71	1.30	22.09	22.81
0.7	80.52	12.06	13.07	11.33	4.46	0.77	15.24	8.83	0.49	0.86	7.52	7.71
0.8	67.02	5.88	12.86	13.66	0.83	0.00	3.87	0.00	1.87	0.24	3.49	4.83
0.9	60.50	12.60	9.54	5.50	0.44	0.00	4.04	0.00	0.51	0.00	5.70	0.00
1	47.17	2.05	10.96	7.52	0.00	0.00	0.00	0.00	0.38	0.00	5.06	0.00
1.1	46.30	32.01	12.74	15.18	0.98	0.00	3.98	0.00	0.00	0.00	0.00	0.00
1.2	116.50	1.54	10.86	11.87	1.65	0.00	15.57	0.00	1.06	0.72	9.35	7.41
1.3	78.67	7.89	11.92	8.13	4.38	1.83	13.62	12.43	1.07	0.52	5.51	8.79
1.4	34.76	15.98	13.83	6.34	6.74	0.00	7.06	0.00	1.45	0.46	9.73	9.47
1.5	58.51	11.27	11.23	13.34	8.66	0.41	8.15	6.23	3.82	0.25	9.00	8.23
1.6	53.30	1.46	11.78	5.88	6.78	0.41	11.65	11.76	1.39	0.00	4.54	0.00
1.7	97.30	0.00	11.65	0.00	0.85	0.00	3.73	0.00	0.00	0.00	0.00	0.00
1.8	52.15	28.81	12.88	12.06	9.31	0.35	6.24	10.31	2.28	0.58	8.51	16.44
1.9	93.32	7.86	11.97	14.21	6.34	0.00	7.54	0.00	2.41	0.20	14.53	8.27
2	77.38	0.60	10.57	11.74	1.35	0.00	3.59	0.00	0.00	0.00	0.00	0.00
2.1	86.06	30.65	14.67	15.02	6.56	4.86	7.67	8.52	4.66	2.75	10.25	12.22
2.2	77.26	22.62	13.03	15.45	5.79	1.22	8.26	11.55	1.63	3.30	2.56	5.46
2.3	122.28	29.33	13.85	13.01	7.18	1.38	4.76	6.20	1.34	0.12	10.21	5.03
2.4	141.53	96.43	15.74	13.43	10.13	0.00	5.51	0.00	1.97	1.05	5.30	2.06
2.5	143.51	29.82	12.66	12.00	8.02	0.42	9.26	3.74	2.49	0.78	8.47	5.16
2.6	93.70	74.22	11.27	14.21	5.01	0.75	3.30	6.37	2.59	0.96	8.01	10.53
2.7	108.38	20.87	13.19	9.59	3.10	0.98	8.41	3.67	1.69	0.56	3.61	4.77
2.8	146.71	21.03	13.30	16.13	1.40	0.31	3.49	4.18	2.73	0.50	2.96	3.76
2.9	89.12	1.04	11.85	16.62	0.91	1.03	4.22	6.33	3.61	1.94	3.19	12.93
3	98.96	31.52	14.74	16.42	5.51	1.74	9.63	5.79	3.26	1.13	13.57	14.87
3.1	128.99	97.30	16.53	14.91	2.83	2.28	11.46	11.52	0.31	4.27	14.28	17.12
3.2	153.48	91.26	13.50	15.28	4.86	1.12	9.52	11.18	0.96	2.57	15.16	7.10
3.3	133.91	96.39	14.04	14.68	4.84	3.04	13.52	6.31	7.25	0.80	6.91	7.20
3.4	143.06	12.34	17.70	18.90	2.35	0.42	7.37	10.39	4.18	0.00	6.97	0.00
3.5	41.11	3.15	11.43	6.93	0.00	0.00	0.00	0.00	0.98	1.30	9.42	12.99
3.6	227.63	32.41	15.76	17.09	3.42	4.04	17.96	14.00	3.75	5.09	23.29	23.75
3.7	136.81	20.62	14.67	13.68	6.91	1.89	14.14	13.85	2.05	1.62	10.55	14.82
3.8	133.97	14.63	13.54	13.74	12.17	3.76	15.81	14.00	3.91	2.56	11.05	18.22
3.9	148.96	11.02	16.16	12.24	3.27	2.36	11.03	13.66	2.21	1.23	13.25	10.09

4	163.27	36.35	15.01	14.34	5.22	3.07	12.59	12.73	13.26	1.63	16.92	16.61
4.1	160.79	55.04	16.80	18.16	13.94	3.09	13.83	13.60	17.39	1.73	14.64	13.96
4.2	170.55	31.18	16.44	18.58	6.57	2.60	15.82	14.14	2.69	1.17	21.63	8.82
4.3	182.84	68.06	16.82	15.14	8.70	10.05	13.45	12.78	3.69	8.21	20.27	15.17
4.4	189.83	78.82	16.53	17.45	4.52	4.64	16.85	13.76	3.67	7.34	16.28	14.12
4.5	169.68	41.73	18.14	19.98	4.93	5.40	8.44	13.49	6.51	4.93	16.19	19.34
4.6	188.73	111.85	17.45	17.36	12.52	8.24	17.09	16.82	7.04	5.81	16.74	16.91
4.7	161.18	77.60	16.56	16.35	16.79	11.37	14.21	13.41	7.81	11.72	17.30	14.31
4.8	127.18	40.74	17.64	13.64	11.39	5.10	13.65	11.93	2.41	5.30	17.96	16.26
4.9	163.83	21.90	13.38	14.17	8.19	5.68	14.14	12.35	4.90	1.68	10.83	9.86
5	86.51	30.18	13.55	13.60	7.67	4.09	15.42	12.66	8.16	5.53	17.57	17.16
5.1	73.05	7.65	14.98	5.49	14.18	11.79	18.99	18.55	5.11	1.97	17.09	14.97
5.2	213.67	155.26	13.19	14.69	142.18	84.81	16.82	17.07	37.97	23.98	15.53	13.33
5.3	265.64	188.52	15.06	16.05	120.62	73.45	17.54	17.84	35.49	22.08	16.73	14.13
5.4	363.82	292.12	15.73	14.27	138.69	70.91	17.20	16.80	31.43	22.84	18.26	17.06
5.5	267.94	200.64	13.87	15.94	149.31	111.73	16.87	16.46	41.87	27.42	17.35	15.56
5.6	315.00	169.68	14.29	14.40	153.87	102.49	16.11	15.73	48.41	37.98	16.97	14.67
5.7	258.34	142.73	10.98	13.93	117.71	86.34	16.15	15.80	27.57	18.49	15.90	12.35
5.8	284.72	213.34	12.26	13.88	138.23	97.98	14.94	14.46	39.58	31.01	17.67	13.89
5.9	303.70	122.52	15.52	13.41	128.18	86.43	15.00	14.38	35.56	15.56	14.51	13.09
6	342.53	199.68	15.35	14.15	138.76	88.54	15.16	15.67	38.29	34.84	15.02	14.66
6.1	279.45	203.20	15.92	14.09	165.76	103.71	16.08	15.35	27.53	30.69	15.46	12.34
6.2	292.92	181.63	17.31	15.87	110.17	81.14	16.14	15.19	38.25	26.47	17.49	13.81
6.3	357.52	207.85	16.93	14.23	97.47	72.64	15.84	15.61	24.72	24.25	11.29	10.59
6.4	354.36	222.61	16.57	13.60	106.05	82.04	16.20	16.26	25.35	21.01	17.05	14.24
6.5	216.75	221.96	15.58	11.52	81.65	51.88	15.81	14.75	31.64	17.29	16.09	11.68
6.6	46.21	1.06	12.92	5.13	7.60	1.23	8.97	8.41	2.18	0.41	9.46	11.40
6.7	160.66	0.08	12.37	3.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.8	163.27	36.35	15.01	14.34	5.22	3.07	12.59	12.73	13.26	1.63	16.92	16.61

Detailed MPD Data







Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	1.878	1.706
0.10	70 / 819	71 / 136	1.849	1.596
0.20	140 / 1638	141 / 955	2.628	1.718
0.30	211 / 409	211 / 1774	1.98	1.449
0.40	281 / 1228	282 / 545	2.318	1.716
0.50	351 / 2047	352 / 1364	2.955	1.621
0.60	422 / 818	423 / 135	1.95	1.405
0.70	492 / 1637	493 / 954	2.023	1.344
0.80	563 / 408	563 / 1773	2.371	1.341
0.90	633 / 1227	634 / 544	2.168	1.384
1.00	703 / 2046	704 / 1363	2.2	1.399
1.10	774 / 817	775 / 134	1.991	1.475
1.20	844 / 1636	845 / 953	2.017	1.486
1.30	915 / 407	915 / 1772	1.944	1.414
1.40	985 / 1226	986 / 543	2.009	1.448
1.50	1055 / 2045	1056 / 1362	1.923	1.491
1.60	1126 / 816	1127 / 133	1.884	1.484
1.70	1196 / 1635	1197 / 952	2.031	1.482
1.80	1267 / 406	1267 / 1771	1.995	1.46
1.90	1337 / 1225	1338 / 542	2.027	1.461
2.00	1407 / 2044	1408 / 1361	1.927	1.432
2.10	1478 / 815	1479 / 132	2.037	1.509
2.20	1548 / 1634	1549 / 951	1.709	1.441
2.30	1619 / 405	1619 / 1770	1.944	1.4
2.40	1689 / 1224	1690 / 541	1.981	1.469
2.50	1759 / 2043	1760 / 1360	2.076	1.376
2.60	1830 / 814	1831 / 131	2.429	1.874
2.70	1900 / 1633	1901 / 950	1.8	1.388
2.80	1971 / 404	1971 / 1769	1.8	1.265
2.90	2041 / 1223	2042 / 540	1.818	1.334
3.00	2111 / 2042	2112 / 1359	1.89	1.567
3.10	2182 / 813	2183 / 130	1.962	1.414
3.20	2252 / 1632	2253 / 949	1.786	1.368
3.30	2323 / 403	2323 / 1768	2.018	1.58
3.40	2393 / 1222	2394 / 539	1.968	1.396
3.50	2463 / 2041	2464 / 1358	1.726	1.377
3.60	2534 / 812	2535 / 129	1.733	1.299
3.70	2604 / 1631	2605 / 948	2.288	1.326
3.80	2675 / 402	2675 / 1767	1.898	1.501
3.90	2745 / 1221	2746 / 538	1.979	1.428
4.00	2815 / 2040	2816 / 1357	1.876	1.549

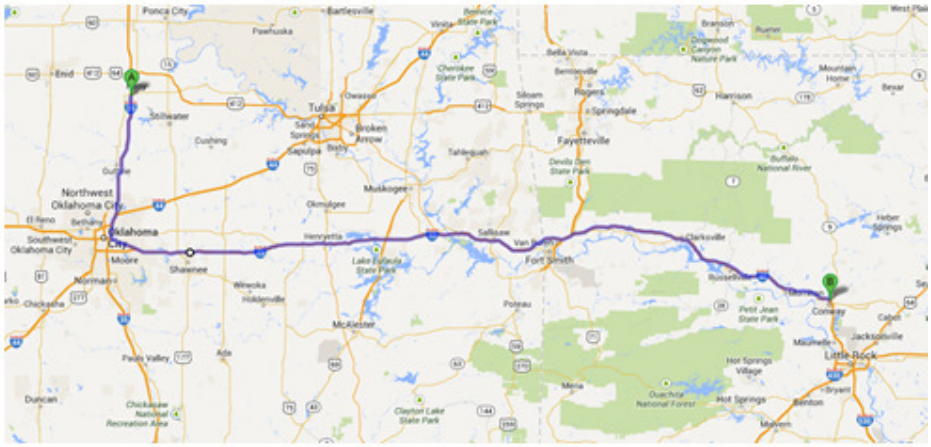
4.10	2886 / 811	2887 / 128	1.821	1.354
4.20	2956 / 1630	2957 / 947	1.91	1.319
4.30	3027 / 401	3027 / 1766	1.876	1.814
4.40	3097 / 1220	3098 / 537	2.088	1.457
4.50	3167 / 2039	3168 / 1356	2.264	1.75
4.60	3238 / 810	3239 / 127	2.288	1.696
4.70	3308 / 1629	3309 / 946	2.577	1.628
4.80	3379 / 400	3379 / 1765	1.933	1.431
4.90	3449 / 1219	3450 / 536	2.016	1.464
5.00	3519 / 2038	3520 / 1355	1.852	1.472
5.10	3590 / 809	3591 / 126	1.874	1.297
5.20	3660 / 1628	3661 / 945	1.833	1.187
5.30	3731 / 399	3731 / 1764	2.453	1.757
5.40	3801 / 1218	3802 / 535	2.862	2.534
5.50	3871 / 2037	3872 / 1354	2.513	1.795
5.60	3942 / 808	3943 / 125	2.299	1.584
5.70	4012 / 1627	4013 / 944	2.262	1.706
5.80	4083 / 398	4083 / 1763	2.488	1.454
5.90	4153 / 1217	4154 / 534	2.176	1.695
6.00	4223 / 2036	4224 / 1353	2.533	1.719
6.10	4294 / 807	4295 / 124	2.267	1.864
6.20	4364 / 1626	4365 / 943	2.21	1.722
6.30	4435 / 397	4435 / 1762	2.357	1.808
6.40	4505 / 1216	4506 / 533	2.024	1.584
6.50	4575 / 2035	4576 / 1352	2.254	1.738
6.60	4646 / 806	4647 / 123	1.859	1.24
6.70	4716 / 1625	4717 / 942	1.577	1.136
6.80	4787 / 396	4787 / 1761	1.717	1.248
6.90	4857 / 1215	4858 / 532	1.728	1.251
7.00	4927 / 2034	4928 / 1351	1.921	1.338
7.10	4998 / 805	4999 / 122	1.717	1.282

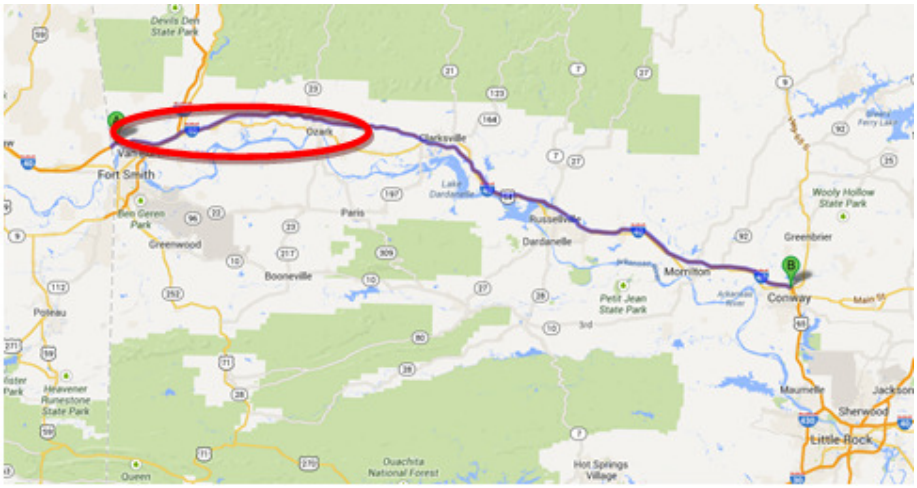
I40E (TO CONWAY)

Route Description

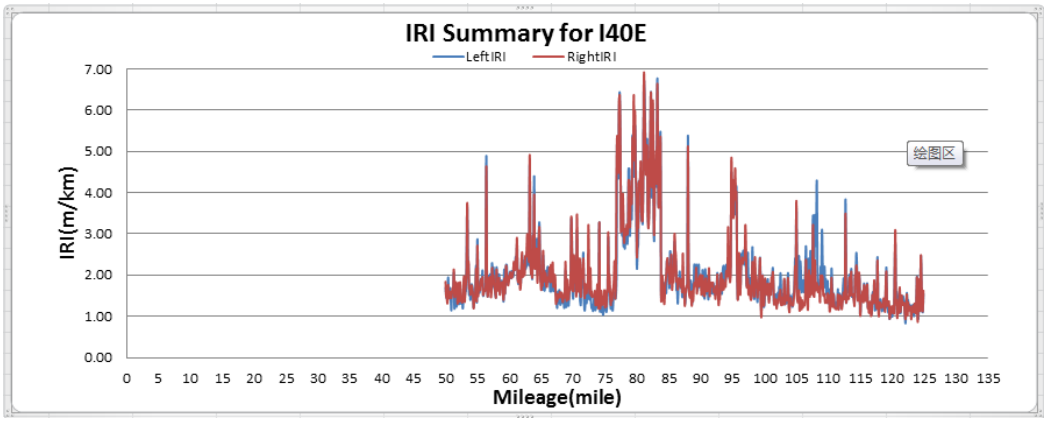
I40 E data collection starts at GPS coordinate of 36.270275,-97.327778, and ends at GPS coordinate of 35.112938,-92.441267, with a total length of 356 miles.

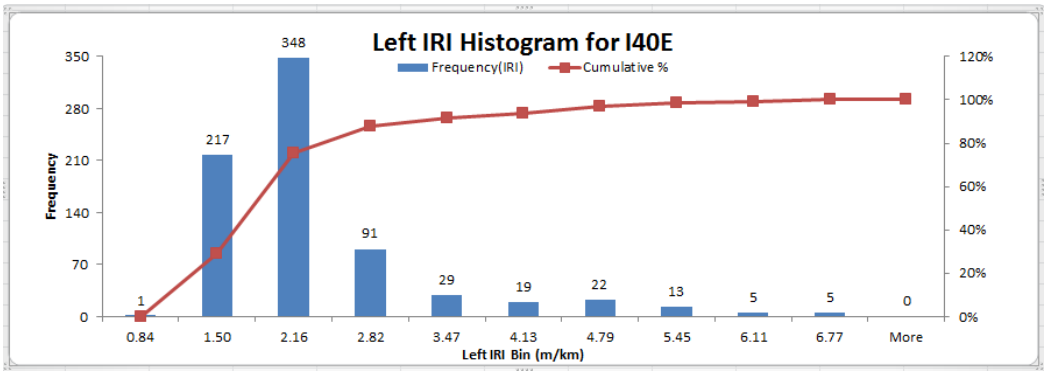
Comment: For I40E segment located in OK boundary, the section distance is about 125 mile and its data collection is focused on collection #5 and #6. However, the ROW and 2D images are missed for #5, so only data collected in #6 is available in this section.

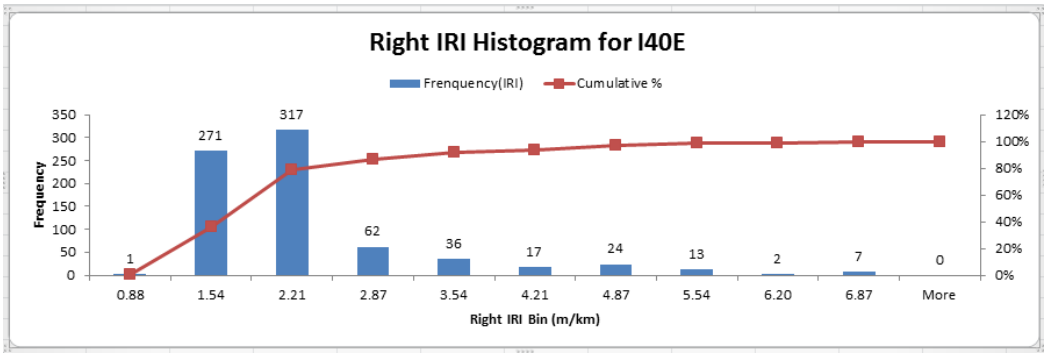




IRI Data


IRI Summary for I40E
LeftIRI
RightIRI
IRI(m/km)
Mileage(mile)
绘图区


Left IRI Histogram for I40E
Frequency(IRI)
Cumulative %
Frequency
Left IRI Bin (m/km)
0.84
1.50
2.16
2.82
3.47
4.13
4.79
5.45
6.11
6.77
More


Right IRI Histogram for I40E
Frenquency(IRI)
Cumulative %
Frequency
Right IRI Bin (m/km)
0.88
1.54
2.21
2.87
3.54
4.21
4.87
5.54
6.20
6.87
More

Mileage	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0-50	Missing				
50	0	1	529	1.69	1.84
50.1	1	529	1057	1.50	1.48
50.2	2	1057	1585	1.43	1.44
50.3	3	1585	2113	1.52	1.32
50.4	4	2113	2641	1.94	1.76
50.5	5	2641	3169	1.62	1.44
50.6	6	3169	3697	1.55	1.46
50.7	7	3697	4225	1.69	1.60
50.8	8	4225	4753	1.48	1.46
50.9	9	4753	5281	1.14	1.44
51	10	5281	5809	1.55	1.56
51.1	11	5809	6337	1.52	1.69
51.2	12	6337	6865	1.56	1.62
51.3	13	6865	7393	2.05	2.14
51.4	14	7393	7921	1.20	1.48
51.5	15	7921	8449	1.48	1.64
51.6	16	8449	8977	1.80	1.83
51.7	17	8977	9505	1.24	1.55
51.8	18	9505	10033	1.43	1.56
51.9	19	10033	10561	1.30	1.31
52	20	10561	11089	1.69	1.81
52.1	21	11089	11617	1.30	1.36
52.2	22	11617	12145	1.41	1.38
52.3	23	12145	12673	1.73	1.83
52.4	24	12673	13201	1.31	1.38
52.5	25	13201	13729	1.36	1.43
52.6	26	13729	14257	1.39	1.33
52.7	27	14257	14785	1.19	1.37
52.8	28	14785	15313	1.45	1.68
52.9	29	15313	15841	1.88	1.97
53	30	15841	16369	1.50	1.35
53.1	31	16369	16897	1.60	1.69
53.2	32	16897	17425	1.62	1.80
53.3	33	17425	17953	2.35	2.16
53.4	34	17953	18481	3.64	3.75
53.5	35	18481	19009	2.44	2.24
53.6	36	19009	19537	2.24	2.33
53.7	37	19537	20065	1.53	1.66
53.8	38	20065	20593	1.73	1.69
53.9	39	20593	21121	1.40	1.52
54	40	21121	21649	1.76	1.71

54.1	41	21649	22177	1.78	1.75
54.2	42	22177	22705	1.73	1.64
54.3	43	22705	23233	1.56	1.53
54.4	44	23233	23761	1.21	1.19
54.5	45	23761	24289	1.57	1.44
54.6	46	24289	24817	1.44	1.39
54.7	47	24817	25345	1.74	1.65
54.8	48	25345	25873	2.22	2.15
54.9	49	25873	26401	1.34	1.37
55	50	26401	26929	2.87	2.72
55.1	51	26929	27457	1.69	1.51
55.2	52	27457	27985	1.80	1.70
55.3	53	27985	28513	1.57	1.70
55.4	54	28513	29041	1.69	1.63
55.5	55	29041	29569	1.89	1.85
55.6	56	29569	30097	1.92	1.90
55.7	57	30097	30625	1.90	1.75
55.8	58	30625	31153	2.10	1.96
55.9	59	31153	31681	1.50	1.52
56	60	31681	32209	1.59	1.59
56.1	61	32209	32737	1.62	1.61
56.2	62	32737	33265	1.62	1.63
56.3	63	33265	33793	1.91	1.77
56.4	64	33793	34321	4.89	4.64
56.5	65	34321	34849	1.98	1.89
56.6	66	34849	35377	1.48	1.48
56.7	67	35377	35905	1.82	1.68
56.8	68	35905	36433	1.99	1.93
56.9	69	36433	36961	1.65	1.64
57	70	36961	37489	2.02	1.96
57.1	71	37489	38017	1.62	1.47
57.2	72	38017	38545	1.70	1.57
57.3	73	38545	39073	2.29	2.18
57.4	74	39073	39601	1.71	1.82
57.5	75	39601	40129	2.18	2.00
57.6	76	40129	40657	1.97	1.76
57.7	77	40657	41185	1.67	1.70
57.8	78	41185	41713	1.54	1.56
57.9	79	41713	42241	1.46	1.46
58	80	42241	42769	2.19	2.14
58.1	81	42769	43297	1.69	1.78
58.2	82	43297	43825	1.82	1.74
58.3	83	43825	44353	1.75	1.62

58.4	84	44353	44881	2.02	1.93
58.5	85	44881	45409	1.56	1.53
58.6	86	45409	45937	1.72	1.73
58.7	87	45937	46465	1.85	1.72
58.8	88	46465	46993	1.87	1.82
58.9	89	46993	47521	1.75	1.83
59	90	47521	48049	1.69	1.57
59.1	91	48049	48577	1.37	1.41
59.2	92	48577	49105	2.14	1.92
59.3	93	49105	49633	1.54	1.55
59.4	94	49633	50161	1.96	1.91
59.5	95	50161	50689	2.26	2.23
59.6	96	50689	51217	2.25	2.03
59.7	97	51217	51745	1.78	1.92
59.8	98	51745	52273	1.81	1.75
59.9	99	52273	52801	1.88	1.83
60	100	52801	53329	1.96	1.96
60.1	101	53329	53857	2.08	2.03
60.2	102	53857	54385	2.05	2.07
60.3	103	54385	54913	1.92	1.94
60.4	104	54913	55441	2.10	1.94
60.5	105	55441	55969	1.99	1.97
60.6	106	55969	56497	1.96	2.10
60.7	107	56497	57025	2.10	2.32
60.8	108	57025	57553	2.18	2.14
60.9	109	57553	58081	2.22	2.13
61	110	58081	58609	2.45	2.35
61.1	111	58609	59137	2.19	2.49
61.2	112	59137	59665	2.73	2.89
61.3	113	59665	60193	2.00	1.91
61.4	114	60193	60721	1.78	1.83
61.5	115	60721	61249	1.96	2.11
61.6	116	61249	61777	2.05	2.03
61.7	117	61777	62305	1.79	1.65
61.8	118	62305	62833	1.81	1.80
61.9	119	62833	63361	2.15	2.28
62	120	63361	63889	2.48	2.55
62.1	121	63889	64417	2.15	1.96
62.2	122	64417	64945	2.35	2.25
62.3	123	64945	65473	2.00	2.12
62.4	124	65473	66001	2.35	2.01
62.5	125	66001	66529	2.14	2.47
62.6	126	66529	67057	2.17	2.44

62.7	127	67057	67585	2.24	2.53
62.8	128	67585	68113	2.57	2.99
62.9	129	68113	68641	2.42	2.69
63	130	68641	69169	2.35	2.39
63.1	131	69169	69697	2.25	2.33
63.2	132	69697	70225	4.68	4.91
63.3	133	70225	70753	2.35	2.46
63.4	134	70753	71281	2.06	2.03
63.5	135	71281	71809	2.06	2.21
63.6	136	71809	72337	1.92	1.96
63.7	137	72337	72865	2.97	2.95
63.8	138	72865	73393	2.51	2.55
63.9	139	73393	73921	4.40	3.95
64	140	73921	74449	2.25	2.16
64.1	141	74449	74977	2.50	2.28
64.2	142	74977	75505	2.58	2.27
64.3	143	75505	76033	2.87	2.63
64.4	144	76033	76561	2.04	1.83
64.5	145	76561	77089	2.26	2.18
64.6	146	77089	77617	2.83	2.78
64.7	147	77617	78145	3.28	3.16
64.8	148	78145	78673	2.52	2.45
64.9	149	78673	79201	1.86	1.91
65	150	79201	79729	1.98	1.64
65.1	151	79729	80257	1.78	1.96
65.2	152	80257	80785	1.66	1.76
65.3	153	80785	81313	2.48	2.59
65.4	154	81313	81841	1.91	1.86
65.5	155	81841	82369	1.63	2.10
65.6	156	82369	82897	1.72	1.89
65.7	157	82897	83425	2.04	2.04
65.8	158	83425	83953	2.11	1.72
65.9	159	83953	84481	1.85	1.72
66	160	84481	85009	2.20	1.94
66.1	161	85009	85537	1.85	1.88
66.2	162	85537	86065	1.85	2.00
66.3	163	86065	86593	2.00	2.19
66.4	164	86593	87121	1.61	1.83
66.5	165	87121	87649	1.60	2.24
66.6	166	87649	88177	1.82	2.13
66.7	167	88177	88705	1.65	1.83
66.8	168	88705	89233	2.04	2.31
66.9	169	89233	89761	1.62	1.72

67	170	89761	90289	1.79	1.76
67.1	171	90289	90817	1.80	2.01
67.2	172	90817	91345	1.72	1.92
67.3	173	91345	91873	1.52	1.31
67.4	174	91873	92401	1.40	1.48
67.5	175	92401	92929	1.20	1.36
67.6	176	92929	93457	1.59	1.53
67.7	177	93457	93985	1.31	1.45
67.8	178	93985	94513	1.64	1.46
67.9	179	94513	95041	1.59	1.59
68	180	95041	95569	1.29	1.47
68.1	181	95569	96097	1.36	1.50
68.2	182	96097	96625	1.48	1.58
68.3	183	96625	97153	1.35	1.40
68.4	184	97153	97681	1.33	1.35
68.5	185	97681	98209	1.52	1.53
68.6	186	98209	98737	1.20	1.45
68.7	187	98737	99265	1.46	1.69
68.8	188	99265	99793	2.11	2.33
68.9	189	99793	100321	1.23	1.51
69	190	100321	100849	1.29	1.38
69.1	191	100849	101377	1.71	1.89
69.2	192	101377	101905	1.54	1.59
69.3	193	101905	102433	1.26	1.41
69.4	194	102433	102961	1.56	1.64
69.5	195	102961	103489	1.71	1.63
69.6	196	103489	104017	1.74	1.94
69.7	197	104017	104545	3.34	3.39
69.8	198	104545	105073	2.83	2.94
69.9	199	105073	105601	1.65	1.65
70	200	105601	106129	1.43	1.61
70.1	201	106129	106657	2.00	2.46
70.2	202	106657	107185	1.64	2.23
70.3	203	107185	107713	2.05	1.99
70.4	204	107713	108241	1.62	1.84
70.5	205	108241	108769	1.59	1.52
70.6	206	108769	109297	3.07	3.46
70.7	207	109297	109825	1.97	2.43
70.8	208	109825	110353	2.09	2.31
70.9	209	110353	110881	1.69	1.59
71	210	110881	111409	1.81	2.39
71.1	211	111409	111937	1.37	2.28
71.2	212	111937	112465	1.28	1.47

71.3	213	112465	112993	1.83	2.10
71.4	214	112993	113521	1.88	1.94
71.5	215	113521	114049	1.72	2.15
71.6	216	114049	114577	2.55	2.40
71.7	217	114577	115105	1.43	1.80
71.8	218	115105	115633	1.14	1.45
71.9	219	115633	116161	1.32	1.78
72	220	116161	116689	1.75	1.74
72.1	221	116689	117217	1.32	1.56
72.2	222	117217	117745	1.55	1.70
72.3	223	117745	118273	1.43	1.70
72.4	224	118273	118801	1.89	3.22
72.5	225	118801	119329	1.92	2.15
72.6	226	119329	119857	1.41	1.55
72.7	227	119857	120385	1.72	2.17
72.8	228	120385	120913	1.37	1.51
72.9	229	120913	121441	1.20	1.61
73	230	121441	121969	1.29	1.47
73.1	231	121969	122497	1.13	1.50
73.2	232	122497	123025	1.27	1.48
73.3	233	123025	123553	1.46	1.49
73.4	234	123553	124081	1.21	1.61
73.5	235	124081	124609	1.15	1.27
73.6	236	124609	125137	1.41	1.28
73.7	237	125137	125665	1.21	1.47
73.8	238	125665	126193	1.71	1.78
73.9	239	126193	126721	1.76	1.62
74	240	126721	127249	1.27	1.23
74.1	241	127249	127777	3.28	3.28
74.2	242	127777	128305	1.14	1.19
74.3	243	128305	128833	1.39	1.27
74.4	244	128833	129361	1.48	1.62
74.5	245	129361	129889	1.10	1.29
74.6	246	129889	130417	1.29	1.28
74.7	247	130417	130945	1.04	1.34
74.8	248	130945	131473	1.21	1.44
74.9	249	131473	132001	1.22	1.63
75	250	132001	132529	1.15	1.21
75.1	251	132529	133057	1.50	1.57
75.2	252	133057	133585	1.12	1.24
75.3	253	133585	134113	1.26	1.64
75.4	254	134113	134641	1.64	1.59
75.5	255	134641	135169	2.92	3.04

75.6	256	135169	135697	1.69	1.76
75.7	257	135697	136225	1.69	2.01
75.8	258	136225	136753	1.44	1.57
75.9	259	136753	137281	1.18	1.27
76	260	137281	137809	1.43	1.49
76.1	261	137809	138337	1.28	1.38
76.2	262	138337	138865	1.14	1.64
76.3	263	138865	139393	1.43	1.69
76.4	264	139393	139921	1.50	1.97
76.5	265	139921	140449	1.58	2.33
76.6	266	140449	140977	1.43	1.43
76.7	267	140977	141505	1.49	1.89
76.8	268	141505	142033	1.96	4.42
76.9	269	142033	142561	5.30	5.36
77	270	142561	143089	5.35	5.00
77.1	271	143089	143617	4.35	4.52
77.2	272	143617	144145	5.94	6.22
77.3	273	144145	144673	6.42	6.36
77.4	274	144673	145201	5.16	5.40
77.5	275	145201	145729	3.32	3.06
77.6	276	145729	146257	3.03	3.13
77.7	277	146257	146785	2.96	3.24
77.8	278	146785	147313	3.73	3.97
77.9	279	147313	147841	2.70	3.16
78	280	147841	148369	2.84	2.78
78.1	281	148369	148897	2.64	3.06
78.2	282	148897	149425	2.89	3.12
78.3	283	149425	149953	2.78	2.97
78.4	284	149953	150481	3.05	3.22
78.5	285	150481	151009	2.75	2.99
78.6	286	151009	151537	3.24	3.11
78.7	287	151537	152065	4.59	4.31
78.8	288	152065	152593	4.58	4.28
78.9	289	152593	153121	2.97	3.16
79	290	153121	153649	3.70	3.94
79.1	291	153649	154177	3.66	4.15
79.2	292	154177	154705	3.38	3.76
79.3	293	154705	155233	5.38	5.32
79.4	294	155233	155761	4.46	4.80
79.5	295	155761	156289	5.57	6.37
79.6	296	156289	156817	4.38	5.13
79.7	297	156817	157345	5.62	5.97
79.8	298	157345	157873	4.87	4.47

79.9	299	157873	158401	3.36	4.06
80	300	158401	158929	2.17	2.44
80.1	301	158929	159457	2.65	3.19
80.2	302	159457	159985	2.75	3.15
80.3	303	159985	160513	4.27	4.23
80.4	304	160513	161041	4.26	4.28
80.5	305	161041	161569	4.32	4.31
80.6	306	161569	162097	4.40	4.74
80.7	307	162097	162625	3.34	3.57
80.8	308	162625	163153	3.40	3.30
80.9	309	163153	163681	3.25	3.33
81	310	163681	164209	4.76	4.54
81.1	311	164209	164737	6.68	6.87
81.2	312	164737	165265	6.35	6.04
81.3	313	165265	165793	5.45	5.25
81.4	314	165793	166321	4.50	4.43
81.5	315	166321	166849	5.19	5.15
81.6	316	166849	167377	5.30	5.14
81.7	317	167377	167905	3.64	3.45
81.8	318	167905	168433	3.23	3.13
81.9	319	168433	168961	3.67	3.48
82	320	168961	169489	4.55	4.72
82.1	321	169489	170017	5.42	5.47
82.2	322	170017	170545	6.40	6.40
82.3	323	170545	171073	3.90	4.17
82.4	324	171073	171601	4.01	4.13
82.5	325	171601	172129	6.01	6.24
82.6	326	172129	172657	4.11	4.17
82.7	327	172657	173185	2.82	2.97
82.8	328	173185	173713	4.24	4.25
82.9	329	173713	174241	4.49	4.56
83	330	174241	174769	4.82	5.01
83.1	331	174769	175297	4.20	4.26
83.2	332	175297	175825	6.77	6.64
83.3	333	175825	176353	4.77	4.80
83.4	334	176353	176881	3.64	3.64
83.5	335	176881	177409	4.89	4.75
83.6	336	177409	177937	4.57	4.48
83.7	337	177937	178465	5.39	5.28
83.8	338	178465	178993	1.46	1.36
83.9	339	178993	179521	1.51	1.42
84	340	179521	180049	1.85	1.98
84.1	341	180049	180577	1.59	1.45

84.2	342	180577	181105	1.54	1.37
84.3	343	181105	181633	1.48	1.30
84.4	344	181633	182161	1.82	1.72
84.5	345	182161	182689	1.83	1.86
84.6	346	182689	183217	1.58	2.06
84.7	347	183217	183745	2.34	2.35
84.8	348	183745	184273	2.28	2.41
84.9	349	184273	184801	2.12	2.10
85	350	184801	185329	2.07	2.04
85.1	351	185329	185857	1.69	1.79
85.2	352	185857	186385	2.57	2.16
85.3	353	186385	186913	2.40	2.28
85.4	354	186913	187441	2.47	2.48
85.5	355	187441	187969	1.86	1.66
85.6	356	187969	188497	1.95	1.89
85.7	357	188497	189025	2.00	1.83
85.8	358	189025	189553	2.47	2.04
85.9	359	189553	190081	2.81	2.99
86	360	190081	190609	2.30	2.62
86.1	361	190609	191137	2.34	2.47
86.2	362	191137	191665	1.64	1.84
86.3	363	191665	192193	1.74	1.89
86.4	364	192193	192721	1.31	1.65
86.5	365	192721	193249	1.77	1.89
86.6	366	193249	193777	1.81	1.93
86.7	367	193777	194305	2.09	1.86
86.8	368	194305	194833	1.80	1.85
86.9	369	194833	195361	1.69	1.70
87	370	195361	195889	1.87	1.90
87.1	371	195889	196417	1.46	1.60
87.2	372	196417	196945	1.72	2.52
87.3	373	196945	197473	1.70	1.77
87.4	374	197473	198001	1.68	1.64
87.5	375	198001	198529	1.31	1.25
87.6	376	198529	199057	1.38	1.55
87.7	377	199057	199585	1.64	1.60
87.8	378	199585	200113	1.70	1.75
87.9	379	200113	200641	1.89	1.71
88	380	200641	201169	5.38	5.12
88.1	381	201169	201697	2.09	2.28
88.2	382	201697	202225	1.84	1.52
88.3	383	202225	202753	1.57	1.45
88.4	384	202753	203281	1.87	1.60

88.5	385	203281	203809	1.74	1.51
88.6	386	203809	204337	1.30	1.26
88.7	387	204337	204865	1.51	1.62
88.8	388	204865	205393	1.75	1.37
88.9	389	205393	205921	1.83	1.67
89	390	205921	206449	2.26	1.82
89.1	391	206449	206977	2.03	1.73
89.2	392	206977	207505	2.01	1.87
89.3	393	207505	208033	2.26	2.17
89.4	394	208033	208561	1.96	1.56
89.5	395	208561	209089	1.62	1.84
89.6	396	209089	209617	2.01	1.91
89.7	397	209617	210145	2.25	1.73
89.8	398	210145	210673	1.71	1.96
89.9	399	210673	211201	1.95	1.99
90	400	211201	211729	1.87	2.01
90.1	401	211729	212257	1.73	1.53
90.2	402	212257	212785	1.75	1.60
90.3	403	212785	213313	2.13	1.99
90.4	404	213313	213841	1.50	1.61
90.5	405	213841	214369	1.63	1.54
90.6	406	214369	214897	1.45	1.49
90.7	407	214897	215425	2.14	1.86
90.8	408	215425	215953	1.79	1.92
90.9	409	215953	216481	1.55	1.72
91	410	216481	217009	1.96	1.61
91.1	411	217009	217537	1.78	1.70
91.2	412	217537	218065	1.41	1.70
91.3	413	218065	218593	1.99	2.17
91.4	414	218593	219121	1.63	1.50
91.5	415	219121	219649	1.75	1.70
91.6	416	219649	220177	1.80	1.82
91.7	417	220177	220705	1.56	1.72
91.8	418	220705	221233	1.59	1.80
91.9	419	221233	221761	1.81	1.82
92	420	221761	222289	1.77	1.59
92.1	421	222289	222817	1.53	1.60
92.2	422	222817	223345	1.69	1.64
92.3	423	223345	223873	1.69	1.42
92.4	424	223873	224401	1.67	1.74
92.5	425	224401	224929	1.65	1.54
92.6	426	224929	225457	2.05	2.02
92.7	427	225457	225985	1.71	1.65

92.8	428	225985	226513	1.44	1.27
92.9	429	226513	227041	1.49	1.43
93	430	227041	227569	1.56	1.41
93.1	431	227569	228097	2.02	1.85
93.2	432	228097	228625	1.94	2.04
93.3	433	228625	229153	1.54	1.84
93.4	434	229153	229681	1.98	1.63
93.5	435	229681	230209	2.20	1.89
93.6	436	230209	230737	2.23	1.65
93.7	437	230737	231265	1.82	1.80
93.8	438	231265	231793	1.82	1.78
93.9	439	231793	232321	1.92	1.72
94	440	232321	232849	2.25	2.10
94.1	441	232849	233377	2.00	1.96
94.2	442	233377	233905	2.21	2.19
94.3	443	233905	234433	2.18	3.17
94.4	444	234433	234961	2.16	1.96
94.5	445	234961	235489	1.91	1.96
94.6	446	235489	236017	1.96	1.83
94.7	447	236017	236545	2.35	2.07
94.8	448	236545	237073	4.46	4.79
94.9	449	237073	237601	4.08	4.24
95	450	237601	238129	4.18	4.31
95.1	451	238129	238657	3.52	3.38
95.2	452	238657	239185	3.85	3.98
95.3	453	239185	239713	3.48	3.93
95.4	454	239713	240241	3.60	4.59
95.5	455	240241	240769	3.72	3.82
95.6	456	240769	241297	4.11	4.01
95.7	457	241297	241825	2.27	2.15
95.8	458	241825	242353	1.43	1.41
95.9	459	242353	242881	1.71	1.76
96	460	242881	243409	2.42	2.54
96.1	461	243409	243937	1.97	2.06
96.2	462	243937	244465	1.62	1.52
96.3	463	244465	244993	2.13	2.12
96.4	464	244993	245521	2.51	2.34
96.5	465	245521	246049	2.45	2.43
96.6	466	246049	246577	2.55	2.28
96.7	467	246577	247105	2.59	2.38
96.8	468	247105	247633	2.25	2.39
96.9	469	247633	248161	2.50	2.37
97	470	248161	248689	2.45	3.22

97.1	471	248689	249217	2.18	2.64
97.2	472	249217	249745	1.75	1.72
97.3	473	249745	250273	1.95	1.90
97.4	474	250273	250801	2.54	1.91
97.5	475	250801	251329	1.63	1.52
97.6	476	251329	251857	1.87	1.76
97.7	477	251857	252385	1.93	1.64
97.8	478	252385	252913	1.56	1.43
97.9	479	252913	253441	1.43	1.40
98	480	253441	253969	1.62	1.62
98.1	481	253969	254497	2.68	2.32
98.2	482	254497	255025	1.81	1.70
98.3	483	255025	255553	1.92	1.83
98.4	484	255553	256081	1.42	1.49
98.5	485	256081	256609	2.06	2.43
98.6	486	256609	257137	1.73	1.84
98.7	487	257137	257665	1.87	1.98
98.8	488	257665	258193	1.50	1.71
98.9	489	258193	258721	1.35	1.46
99	490	258721	259249	1.73	1.78
99.1	491	259249	259777	1.70	1.65
99.2	492	259777	260305	2.00	2.04
99.3	493	260305	260833	2.43	2.39
99.4	494	260833	261361	1.68	1.40
99.5	495	261361	261889	1.15	0.98
99.6	496	261889	262417	1.49	1.58
99.7	497	262417	262945	2.00	1.99
99.8	498	262945	263473	1.52	1.41
99.9	499	263473	264001	1.23	1.26
100	500	264001	264529	1.37	1.52
100.1	501	264529	265057	1.85	1.92
100.2	502	265057	265585	1.75	1.55
100.3	503	265585	266113	1.74	1.67
100.4	504	266113	266641	1.64	1.52
100.5	505	266641	267169	1.91	1.79
100.6	506	267169	267697	1.65	1.69
100.7	507	267697	268225	1.41	1.33
100.8	508	268225	268753	1.74	1.61
100.9	509	268753	269281	1.73	1.80
101	510	269281	269809	1.61	1.53
101.1	511	269809	270337	1.77	1.95
101.2	512	270337	270865	1.93	1.88
101.3	513	270865	271393	2.17	2.08

101.4	514	271393	271921	1.68	1.77
101.5	515	271921	272449	1.31	1.29
101.6	516	272449	272977	1.44	1.32
101.7	517	272977	273505	1.54	1.33
101.8	518	273505	274033	1.50	1.41
101.9	519	274033	274561	1.26	1.19
102	520	274561	275089	1.46	1.38
102.1	521	275089	275617	1.58	1.32
102.2	522	275617	276145	1.48	1.39
102.3	523	276145	276673	1.72	1.55
102.4	524	276673	277201	1.52	1.54
102.5	525	277201	277729	2.05	1.64
102.6	526	277729	278257	1.59	1.27
102.7	527	278257	278785	1.47	1.28
102.8	528	278785	279313	1.53	1.45
102.9	529	279313	279841	1.45	1.28
103	530	279841	280369	1.31	1.45
103.1	531	280369	280897	1.87	1.91
103.2	532	280897	281425	1.30	1.31
103.3	533	281425	281953	1.49	1.50
103.4	534	281953	282481	1.47	1.42
103.5	535	282481	283009	1.32	1.39
103.6	536	283009	283537	1.73	1.76
103.7	537	283537	284065	2.05	1.91
103.8	538	284065	284593	1.41	1.21
103.9	539	284593	285121	1.21	1.10
104	540	285121	285649	1.40	1.37
104.1	541	285649	286177	1.50	1.45
104.2	542	286177	286705	1.27	1.30
104.3	543	286705	287233	1.34	1.29
104.4	544	287233	287761	1.24	1.26
104.5	545	287761	288289	1.55	1.29
104.6	546	288289	288817	1.49	1.47
104.7	547	288817	289345	1.90	1.71
104.8	548	289345	289873	2.41	2.23
104.9	549	289873	290401	2.09	2.05
105	550	290401	290929	3.62	3.80
105.1	551	290929	291457	1.77	1.47
105.2	552	291457	291985	1.45	1.34
105.3	553	291985	292513	1.81	1.54
105.4	554	292513	293041	2.47	1.62
105.5	555	293041	293569	1.65	1.14
105.6	556	293569	294097	2.32	1.46

105.7	557	294097	294625	2.08	1.33
105.8	558	294625	295153	1.58	1.17
105.9	559	295153	295681	1.63	1.39
106	560	295681	296209	1.66	1.21
106.1	561	296209	296737	1.88	1.33
106.2	562	296737	297265	1.59	1.26
106.3	563	297265	297793	1.75	1.28
106.4	564	297793	298321	2.21	1.61
106.5	565	298321	298849	2.70	2.37
106.6	566	298849	299377	1.84	1.57
106.7	567	299377	299905	1.96	1.46
106.8	568	299905	300433	1.61	1.17
106.9	569	300433	300961	2.40	1.92
107	570	300961	301489	2.38	2.11
107.1	571	301489	302017	2.00	1.47
107.2	572	302017	302545	2.59	1.98
107.3	573	302545	303073	1.70	1.54
107.4	574	303073	303601	1.86	1.63
107.5	575	303601	304129	2.18	1.89
107.6	576	304129	304657	3.45	3.22
107.7	577	304657	305185	2.10	1.50
107.8	578	305185	305713	1.88	1.47
107.9	579	305713	306241	3.43	2.36
108	580	306241	306769	2.89	1.63
108.1	581	306769	307297	2.72	1.66
108.2	582	307297	307825	4.29	1.81
108.3	583	307825	308353	2.14	1.68
108.4	584	308353	308881	1.66	1.58
108.5	585	308881	309409	1.70	1.72
108.6	586	309409	309937	1.66	1.69
108.7	587	309937	310465	1.66	1.34
108.8	588	310465	310993	2.21	1.99
108.9	589	310993	311521	1.99	1.69
109	590	311521	312049	3.10	1.99
109.1	591	312049	312577	2.38	1.94
109.2	592	312577	313105	1.77	1.52
109.3	593	313105	313633	1.79	1.49
109.4	594	313633	314161	2.21	1.54
109.5	595	314161	314689	1.70	1.33
109.6	596	314689	315217	1.91	1.35
109.7	597	315217	315745	1.54	1.35
109.8	598	315745	316273	1.63	1.33
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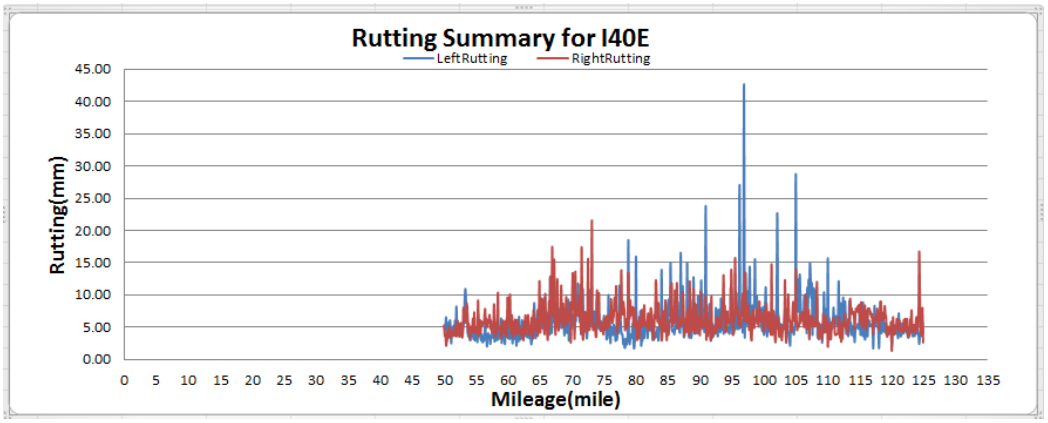
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110.1	601	317329	317857	1.66	1.51
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110.3	603	318385	318913	1.25	1.21
110.4	604	318913	319441	1.27	1.30
110.5	605	319441	319969	2.16	1.94
110.6	606	319969	320497	1.74	1.46
110.7	607	320497	321025	1.47	1.23
110.8	608	321025	321553	1.56	1.54
110.9	609	321553	322081	1.49	1.34
111	610	322081	322609	1.23	1.20
111.1	611	322609	323137	1.26	1.21
111.2	612	323137	323665	1.22	1.17
111.3	613	323665	324193	1.34	1.21
111.4	614	324193	324721	1.22	1.20
111.5	615	324721	325249	1.66	1.53
111.6	616	325249	325777	1.19	1.16
111.7	617	325777	326305	1.35	1.36
111.8	618	326305	326833	1.55	1.51
111.9	619	326833	327361	1.40	1.49
112	620	327361	327889	1.38	1.32
112.1	621	327889	328417	1.23	1.17
112.2	622	328417	328945	1.43	1.31
112.3	623	328945	329473	1.69	1.47
112.4	624	329473	330001	1.92	1.58
112.5	625	330001	330529	1.66	1.58
112.6	626	330529	331057	1.45	1.43
112.7	627	331057	331585	3.84	3.49
112.8	628	331585	332113	1.36	1.34
112.9	629	332113	332641	1.66	1.42
113	630	332641	333169	1.58	1.49
113.1	631	333169	333697	1.64	1.46
113.2	632	333697	334225	1.80	1.42
113.3	633	334225	334753	2.00	1.94
113.4	634	334753	335281	1.53	1.50
113.5	635	335281	335809	1.73	1.84
113.6	636	335809	336337	2.15	2.08
113.7	637	336337	336865	1.47	1.51
113.8	638	336865	337393	1.53	1.54
113.9	639	337393	337921	1.46	1.48
114	640	337921	338449	1.45	1.39
114.1	641	338449	338977	1.32	1.26
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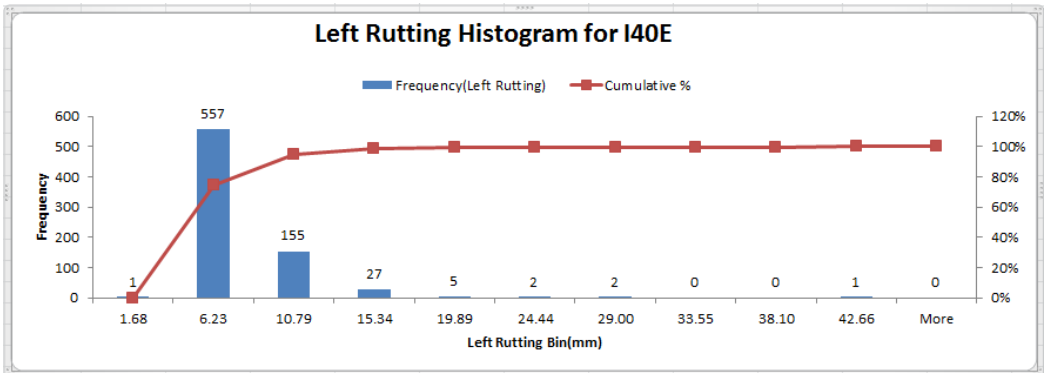
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114.4	644	340033	340561	2.54	2.24
114.5	645	340561	341089	2.12	1.97
114.6	646	341089	341617	1.44	1.38
114.7	647	341617	342145	1.52	1.50
114.8	648	342145	342673	2.01	2.06
114.9	649	342673	343201	1.89	1.85
115	650	343201	343729	1.04	1.03
115.1	651	343729	344257	1.37	1.32
115.2	652	344257	344785	1.45	1.51
115.3	653	344785	345313	1.48	1.50
115.4	654	345313	345841	1.53	1.61
115.5	655	345841	346369	1.45	1.34
115.6	656	346369	346897	1.80	1.76
115.7	657	346897	347425	1.41	1.41
115.8	658	347425	347953	1.50	1.38
115.9	659	347953	348481	1.52	1.38
116	660	348481	349009	1.55	1.73
116.1	661	349009	349537	1.80	1.77
116.2	662	349537	350065	1.22	1.19
116.3	663	350065	350593	1.25	1.23
116.4	664	350593	351121	1.23	1.09
116.5	665	351121	351649	1.26	1.35
116.6	666	351649	352177	1.29	1.30
116.7	667	352177	352705	1.10	1.01
116.8	668	352705	353233	1.06	1.08
116.9	669	353233	353761	1.52	1.52
117	670	353761	354289	1.59	1.50
117.1	671	354289	354817	1.37	1.33
117.2	672	354817	355345	1.80	1.88
117.3	673	355345	355873	1.14	1.35
117.4	674	355873	356401	1.48	1.37
117.5	675	356401	356929	1.16	1.28
117.6	676	356929	357457	1.20	1.20
117.7	677	357457	357985	2.44	2.36
117.8	678	357985	358513	1.40	1.40
117.9	679	358513	359041	1.16	1.00
118	680	359041	359569	1.21	1.20
118.1	681	359569	360097	1.40	1.34
118.2	682	360097	360625	1.41	1.23
118.3	683	360625	361153	1.27	1.27
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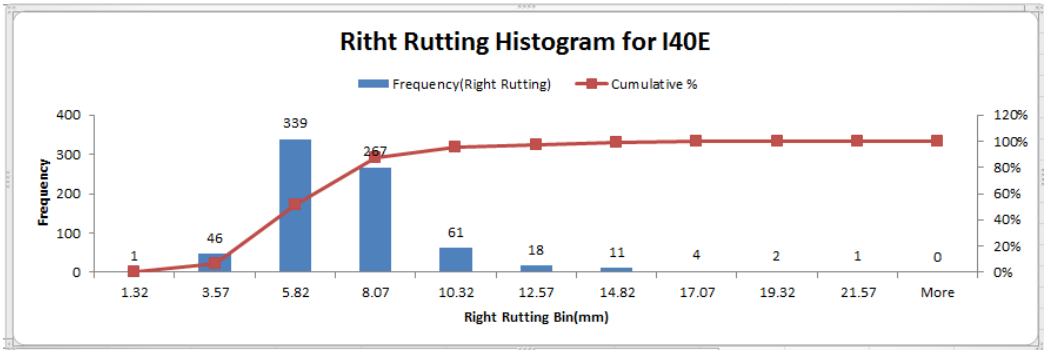
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118.8	688	363265	363793	1.19	1.26
118.9	689	363793	364321	1.20	1.13
119	690	364321	364849	1.64	1.75
119.1	691	364849	365377	2.18	2.08
119.2	692	365377	365905	1.21	1.26
119.3	693	365905	366433	1.26	1.36
119.4	694	366433	366961	1.09	1.35
119.5	695	366961	367489	1.29	1.37
119.6	696	367489	368017	0.95	0.96
119.7	697	368017	368545	1.03	1.06
119.8	698	368545	369073	1.13	1.24
119.9	699	369073	369601	1.09	1.16
120	700	369601	370129	0.99	1.08
120.1	701	370129	370657	1.11	1.26
120.2	702	370657	371185	1.18	1.16
120.3	703	371185	371713	1.11	1.08
120.4	704	371713	372241	2.05	2.07
120.5	705	372241	372769	2.74	3.08
120.6	706	372769	373297	1.35	1.33
120.7	707	373297	373825	1.60	1.41
120.8	708	373825	374353	1.05	0.96
120.9	709	374353	374881	1.11	1.25
121	710	374881	375409	1.17	1.07
121.1	711	375409	375937	1.51	1.45
121.2	712	375937	376465	1.63	1.69
121.3	713	376465	376993	1.09	1.12
121.4	714	376993	377521	1.23	1.32
121.5	715	377521	378049	1.39	1.51
121.6	716	378049	378577	1.30	1.28
121.7	717	378577	379105	1.49	1.30
121.8	718	379105	379633	1.40	1.34
121.9	719	379633	380161	1.33	1.29
122	720	380161	380689	1.02	1.07
122.1	721	380689	381217	0.84	0.94
122.2	722	381217	381745	1.24	1.21
122.3	723	381745	382273	1.57	1.54
122.4	724	382273	382801	1.29	1.02
122.5	725	382801	383329	1.40	1.34
122.6	726	383329	383857	1.19	1.15
122.7	727	383857	384385	1.29	1.19
122.8	728	384385	384913	1.20	1.24

122.9	729	384913	385441	1.26	1.17
123	730	385441	385969	1.08	0.93
123.1	731	385969	386497	1.21	1.18
123.2	732	386497	387025	1.24	1.23
123.3	733	387025	387553	1.28	1.25
123.4	734	387553	388081	1.01	1.10
123.5	735	388081	388609	1.16	1.31
123.6	736	388609	389137	1.26	1.26
123.7	737	389137	389665	1.13	1.08
123.8	738	389665	390193	1.22	1.41
123.9	739	390193	390721	1.97	1.94
124	740	390721	391249	1.04	0.88
124.1	741	391249	391777	0.93	1.36
124.2	742	391777	392305	1.39	1.90
124.3	743	392305	392833	1.47	1.46
124.4	744	392833	393361	1.22	1.16
124.5	745	393361	393889	2.46	2.47
124.6	746	393889	394417	1.69	1.86
124.7	747	394417	394945	1.13	1.29
124.8	748	394945	395473	1.10	1.13
124.9	749	395473	396001	1.54	1.62

Rutting Data







Mileage	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0-50	Missing				
50	0	1	529	5.30	5.23
50.1	1	529	1057	4.62	3.61
50.2	2	1057	1585	5.06	3.89
50.3	3	1585	2113	6.50	2.14
50.4	4	2113	2641	2.98	2.97
50.5	5	2641	3169	4.18	4.25
50.6	6	3169	3697	4.30	3.27
50.7	7	3697	4225	5.76	3.93
50.8	8	4225	4753	3.59	5.02
50.9	9	4753	5281	6.08	4.79
51	10	5281	5809	4.62	4.07
51.1	11	5809	6337	2.49	3.38
51.2	12	6337	6865	4.70	4.12
51.3	13	6865	7393	3.91	4.36
51.4	14	7393	7921	5.10	3.73
51.5	15	7921	8449	5.21	4.00
51.6	16	8449	8977	4.34	3.66
51.7	17	8977	9505	6.04	5.24
51.8	18	9505	10033	4.70	4.88
51.9	19	10033	10561	8.22	3.58
52	20	10561	11089	5.54	3.69
52.1	21	11089	11617	4.99	5.99
52.2	22	11617	12145	5.50	4.03
52.3	23	12145	12673	4.95	4.23
52.4	24	12673	13201	5.27	3.54
52.5	25	13201	13729	4.89	5.59
52.6	26	13729	14257	4.64	4.97
52.7	27	14257	14785	5.67	5.17
52.8	28	14785	15313	5.10	3.38
52.9	29	15313	15841	4.44	4.04
53	30	15841	16369	5.74	8.00
53.1	31	16369	16897	5.54	6.26
53.2	32	16897	17425	9.09	6.01
53.3	33	17425	17953	10.95	6.67
53.4	34	17953	18481	9.63	5.77
53.5	35	18481	19009	5.82	8.70
53.6	36	19009	19537	8.28	7.64
53.7	37	19537	20065	3.95	4.32
53.8	38	20065	20593	3.52	5.61
53.9	39	20593	21121	4.26	4.79
54	40	21121	21649	3.06	3.26

54.1	41	21649	22177	2.96	4.13
54.2	42	22177	22705	4.54	5.10
54.3	43	22705	23233	4.23	4.26
54.4	44	23233	23761	3.80	5.13
54.5	45	23761	24289	3.63	6.34
54.6	46	24289	24817	3.16	4.24
54.7	47	24817	25345	4.12	7.33
54.8	48	25345	25873	2.95	4.96
54.9	49	25873	26401	3.94	4.07
55	50	26401	26929	3.99	4.94
55.1	51	26929	27457	3.09	4.23
55.2	52	27457	27985	2.69	4.56
55.3	53	27985	28513	7.10	9.18
55.4	54	28513	29041	4.03	3.68
55.5	55	29041	29569	5.20	4.49
55.6	56	29569	30097	3.94	6.11
55.7	57	30097	30625	3.23	4.17
55.8	58	30625	31153	2.95	5.92
55.9	59	31153	31681	3.91	5.13
56	60	31681	32209	2.68	5.49
56.1	61	32209	32737	2.97	5.75
56.2	62	32737	33265	2.87	5.65
56.3	63	33265	33793	3.43	6.98
56.4	64	33793	34321	5.71	7.80
56.5	65	34321	34849	3.72	5.43
56.6	66	34849	35377	3.57	6.34
56.7	67	35377	35905	2.00	4.97
56.8	68	35905	36433	3.95	6.09
56.9	69	36433	36961	4.06	6.09
57	70	36961	37489	3.45	5.83
57.1	71	37489	38017	3.63	6.92
57.2	72	38017	38545	2.40	4.81
57.3	73	38545	39073	3.42	6.06
57.4	74	39073	39601	3.92	4.49
57.5	75	39601	40129	3.38	4.18
57.6	76	40129	40657	4.26	4.42
57.7	77	40657	41185	3.39	5.28
57.8	78	41185	41713	4.29	8.56
57.9	79	41713	42241	2.76	4.95
58	80	42241	42769	5.59	3.52
58.1	81	42769	43297	4.09	4.03
58.2	82	43297	43825	3.07	4.32
58.3	83	43825	44353	6.21	6.03

58.4	84	44353	44881	3.16	10.35
58.5	85	44881	45409	3.10	4.78
58.6	86	45409	45937	4.06	4.70
58.7	87	45937	46465	4.33	5.09
58.8	88	46465	46993	4.37	3.85
58.9	89	46993	47521	6.38	3.31
59	90	47521	48049	2.58	3.88
59.1	91	48049	48577	4.40	5.45
59.2	92	48577	49105	3.39	6.06
59.3	93	49105	49633	3.23	4.49
59.4	94	49633	50161	3.17	4.26
59.5	95	50161	50689	2.39	3.91
59.6	96	50689	51217	4.29	5.92
59.7	97	51217	51745	4.31	5.08
59.8	98	51745	52273	6.48	3.69
59.9	99	52273	52801	6.54	9.60
60	100	52801	53329	3.31	5.82
60.1	101	53329	53857	4.85	5.29
60.2	102	53857	54385	3.17	9.08
60.3	103	54385	54913	5.37	9.99
60.4	104	54913	55441	3.72	5.07
60.5	105	55441	55969	3.27	4.00
60.6	106	55969	56497	4.40	6.85
60.7	107	56497	57025	2.49	4.17
60.8	108	57025	57553	5.02	3.48
60.9	109	57553	58081	5.22	5.77
61	110	58081	58609	3.21	5.20
61.1	111	58609	59137	3.49	6.20
61.2	112	59137	59665	4.19	3.87
61.3	113	59665	60193	2.12	5.82
61.4	114	60193	60721	4.62	6.13
61.5	115	60721	61249	5.09	4.18
61.6	116	61249	61777	2.77	5.43
61.7	117	61777	62305	6.62	3.97
61.8	118	62305	62833	3.63	4.01
61.9	119	62833	63361	3.08	4.80
62	120	63361	63889	4.07	4.17
62.1	121	63889	64417	4.60	3.66
62.2	122	64417	64945	6.08	4.92
62.3	123	64945	65473	3.23	3.66
62.4	124	65473	66001	3.54	3.05
62.5	125	66001	66529	3.61	5.90
62.6	126	66529	67057	5.18	5.08

62.7	127	67057	67585	4.78	6.85
62.8	128	67585	68113	4.35	4.05
62.9	129	68113	68641	3.56	4.66
63	130	68641	69169	3.44	4.58
63.1	131	69169	69697	4.16	6.89
63.2	132	69697	70225	3.43	5.74
63.3	133	70225	70753	4.24	3.84
63.4	134	70753	71281	3.23	4.10
63.5	135	71281	71809	3.96	4.31
63.6	136	71809	72337	2.36	5.48
63.7	137	72337	72865	2.84	6.48
63.8	138	72865	73393	4.27	4.72
63.9	139	73393	73921	6.19	3.32
64	140	73921	74449	7.06	7.68
64.1	141	74449	74977	8.64	4.62
64.2	142	74977	75505	3.79	5.13
64.3	143	75505	76033	3.29	6.16
64.4	144	76033	76561	4.08	5.12
64.5	145	76561	77089	5.40	5.81
64.6	146	77089	77617	7.52	3.67
64.7	147	77617	78145	3.94	7.78
64.8	148	78145	78673	7.21	5.50
64.9	149	78673	79201	4.60	12.17
65	150	79201	79729	7.94	4.37
65.1	151	79729	80257	6.02	5.92
65.2	152	80257	80785	9.52	5.86
65.3	153	80785	81313	4.88	9.28
65.4	154	81313	81841	5.54	8.79
65.5	155	81841	82369	5.92	7.10
65.6	156	82369	82897	6.63	4.65
65.7	157	82897	83425	9.61	3.98
65.8	158	83425	83953	7.04	10.19
65.9	159	83953	84481	5.86	5.45
66	160	84481	85009	7.33	6.74
66.1	161	85009	85537	6.75	3.92
66.2	162	85537	86065	4.62	3.06
66.3	163	86065	86593	5.18	5.84
66.4	164	86593	87121	5.08	9.04
66.5	165	87121	87649	3.97	4.91
66.6	166	87649	88177	12.67	12.86
66.7	167	88177	88705	5.89	12.68
66.8	168	88705	89233	4.08	7.36
66.9	169	89233	89761	5.72	17.49

67	170	89761	90289	9.37	6.69
67.1	171	90289	90817	5.85	7.61
67.2	172	90817	91345	12.73	15.51
67.3	173	91345	91873	7.42	7.21
67.4	174	91873	92401	5.60	3.82
67.5	175	92401	92929	6.23	5.82
67.6	176	92929	93457	5.75	5.59
67.7	177	93457	93985	6.37	12.45
67.8	178	93985	94513	6.32	5.56
67.9	179	94513	95041	7.07	4.49
68	180	95041	95569	5.80	5.64
68.1	181	95569	96097	7.79	6.14
68.2	182	96097	96625	8.04	7.11
68.3	183	96625	97153	4.97	11.48
68.4	184	97153	97681	5.74	6.58
68.5	185	97681	98209	6.92	5.53
68.6	186	98209	98737	5.05	8.67
68.7	187	98737	99265	5.52	4.97
68.8	188	99265	99793	3.72	6.16
68.9	189	99793	100321	6.10	6.57
69	190	100321	100849	5.56	7.68
69.1	191	100849	101377	6.51	9.65
69.2	192	101377	101905	4.11	5.45
69.3	193	101905	102433	6.27	6.86
69.4	194	102433	102961	9.24	6.90
69.5	195	102961	103489	2.93	6.06
69.6	196	103489	104017	3.07	7.25
69.7	197	104017	104545	4.98	8.68
69.8	198	104545	105073	4.79	2.61
69.9	199	105073	105601	4.80	7.16
70	200	105601	106129	7.00	9.08
70.1	201	106129	106657	5.65	13.40
70.2	202	106657	107185	5.37	7.90
70.3	203	107185	107713	6.77	7.82
70.4	204	107713	108241	4.50	3.30
70.5	205	108241	108769	6.88	13.59
70.6	206	108769	109297	5.96	7.00
70.7	207	109297	109825	9.97	8.48
70.8	208	109825	110353	7.54	7.39
70.9	209	110353	110881	11.79	7.50
71	210	110881	111409	6.71	6.86
71.1	211	111409	111937	6.88	9.94
71.2	212	111937	112465	5.82	6.74

71.3	213	112465	112993	7.66	11.61
71.4	214	112993	113521	3.90	4.17
71.5	215	113521	114049	7.98	17.42
71.6	216	114049	114577	10.44	6.29
71.7	217	114577	115105	10.90	3.10
71.8	218	115105	115633	5.01	4.00
71.9	219	115633	116161	4.79	7.06
72	220	116161	116689	4.69	7.38
72.1	221	116689	117217	5.42	7.04
72.2	222	117217	117745	4.57	4.27
72.3	223	117745	118273	3.27	4.67
72.4	224	118273	118801	4.21	6.73
72.5	225	118801	119329	8.18	15.62
72.6	226	119329	119857	4.59	5.49
72.7	227	119857	120385	10.76	4.58
72.8	228	120385	120913	6.30	5.56
72.9	229	120913	121441	6.22	7.30
73	230	121441	121969	5.75	7.53
73.1	231	121969	122497	5.07	21.57
73.2	232	122497	123025	6.25	6.69
73.3	233	123025	123553	5.39	4.60
73.4	234	123553	124081	7.44	5.18
73.5	235	124081	124609	7.16	5.46
73.6	236	124609	125137	6.02	4.80
73.7	237	125137	125665	4.74	3.51
73.8	238	125665	126193	7.21	3.49
73.9	239	126193	126721	9.25	10.70
74	240	126721	127249	4.93	6.04
74.1	241	127249	127777	5.46	6.44
74.2	242	127777	128305	6.98	10.31
74.3	243	128305	128833	4.87	5.38
74.4	244	128833	129361	4.59	5.48
74.5	245	129361	129889	5.96	4.40
74.6	246	129889	130417	4.53	5.32
74.7	247	130417	130945	4.99	5.65
74.8	248	130945	131473	5.01	5.34
74.9	249	131473	132001	4.99	3.90
75	250	132001	132529	6.80	6.39
75.1	251	132529	133057	4.64	4.82
75.2	252	133057	133585	4.77	4.83
75.3	253	133585	134113	4.74	5.09
75.4	254	134113	134641	3.12	6.73
75.5	255	134641	135169	3.24	4.64

75.6	256	135169	135697	3.81	6.55
75.7	257	135697	136225	10.01	6.92
75.8	258	136225	136753	4.82	5.09
75.9	259	136753	137281	5.91	6.60
76	260	137281	137809	2.53	6.78
76.1	261	137809	138337	5.03	9.38
76.2	262	138337	138865	3.89	6.58
76.3	263	138865	139393	4.86	5.67
76.4	264	139393	139921	3.77	6.31
76.5	265	139921	140449	5.43	6.71
76.6	266	140449	140977	4.29	9.23
76.7	267	140977	141505	5.10	9.62
76.8	268	141505	142033	2.89	7.55
76.9	269	142033	142561	4.84	11.35
77	270	142561	143089	3.03	4.22
77.1	271	143089	143617	3.97	5.80
77.2	272	143617	144145	4.02	7.03
77.3	273	144145	144673	4.64	5.20
77.4	274	144673	145201	11.47	7.43
77.5	275	145201	145729	4.58	7.28
77.6	276	145729	146257	6.09	6.42
77.7	277	146257	146785	3.97	13.86
77.8	278	146785	147313	4.03	7.88
77.9	279	147313	147841	3.70	6.98
78	280	147841	148369	2.36	8.94
78.1	281	148369	148897	3.15	8.19
78.2	282	148897	149425	1.88	7.38
78.3	283	149425	149953	1.81	4.52
78.4	284	149953	150481	3.22	6.28
78.5	285	150481	151009	2.30	4.91
78.6	286	151009	151537	2.70	4.97
78.7	287	151537	152065	3.92	5.54
78.8	288	152065	152593	18.50	13.47
78.9	289	152593	153121	3.35	7.13
79	290	153121	153649	2.36	6.28
79.1	291	153649	154177	3.22	9.19
79.2	292	154177	154705	3.92	6.90
79.3	293	154705	155233	3.36	7.68
79.4	294	155233	155761	3.98	7.28
79.5	295	155761	156289	5.59	8.08
79.6	296	156289	156817	2.81	5.07
79.7	297	156817	157345	1.68	5.98
79.8	298	157345	157873	2.65	7.94

79.9	299	157873	158401	4.27	6.88
80	300	158401	158929	15.96	4.86
80.1	301	158929	159457	3.75	5.98
80.2	302	159457	159985	5.27	3.01
80.3	303	159985	160513	3.50	4.80
80.4	304	160513	161041	3.59	5.67
80.5	305	161041	161569	6.58	3.28
80.6	306	161569	162097	5.44	6.47
80.7	307	162097	162625	7.43	5.32
80.8	308	162625	163153	2.17	5.00
80.9	309	163153	163681	2.96	7.68
81	310	163681	164209	2.89	7.57
81.1	311	164209	164737	4.90	5.23
81.2	312	164737	165265	4.18	6.37
81.3	313	165265	165793	3.32	8.43
81.4	314	165793	166321	4.91	5.28
81.5	315	166321	166849	4.45	5.65
81.6	316	166849	167377	5.05	5.10
81.7	317	167377	167905	5.84	5.55
81.8	318	167905	168433	3.31	5.94
81.9	319	168433	168961	4.66	7.16
82	320	168961	169489	4.62	4.52
82.1	321	169489	170017	6.30	5.52
82.2	322	170017	170545	4.71	5.08
82.3	323	170545	171073	5.40	7.92
82.4	324	171073	171601	4.36	7.46
82.5	325	171601	172129	4.43	6.17
82.6	326	172129	172657	3.00	3.73
82.7	327	172657	173185	4.45	4.34
82.8	328	173185	173713	4.20	3.13
82.9	329	173713	174241	3.35	6.96
83	330	174241	174769	3.61	6.39
83.1	331	174769	175297	4.21	12.16
83.2	332	175297	175825	3.46	10.25
83.3	333	175825	176353	4.60	7.16
83.4	334	176353	176881	4.97	5.81
83.5	335	176881	177409	2.91	8.77
83.6	336	177409	177937	4.20	6.83
83.7	337	177937	178465	5.12	5.16
83.8	338	178465	178993	6.62	6.13
83.9	339	178993	179521	5.18	5.90
84	340	179521	180049	13.91	2.93
84.1	341	180049	180577	4.30	3.53

84.2	342	180577	181105	4.69	7.46
84.3	343	181105	181633	4.87	5.76
84.4	344	181633	182161	4.42	5.33
84.5	345	182161	182689	5.23	4.40
84.6	346	182689	183217	8.97	9.12
84.7	347	183217	183745	7.81	6.79
84.8	348	183745	184273	5.92	2.99
84.9	349	184273	184801	6.95	5.41
85	350	184801	185329	5.73	4.67
85.1	351	185329	185857	9.30	3.85
85.2	352	185857	186385	6.77	6.01
85.3	353	186385	186913	7.02	5.77
85.4	354	186913	187441	14.97	6.55
85.5	355	187441	187969	8.57	11.59
85.6	356	187969	188497	4.64	11.79
85.7	357	188497	189025	4.32	5.37
85.8	358	189025	189553	4.66	7.48
85.9	359	189553	190081	4.58	7.38
86	360	190081	190609	3.89	5.78
86.1	361	190609	191137	5.22	10.73
86.2	362	191137	191665	6.29	7.02
86.3	363	191665	192193	4.74	6.27
86.4	364	192193	192721	5.03	11.87
86.5	365	192721	193249	8.90	4.92
86.6	366	193249	193777	5.46	5.92
86.7	367	193777	194305	7.60	4.94
86.8	368	194305	194833	4.24	5.25
86.9	369	194833	195361	4.13	6.34
87	370	195361	195889	16.56	5.21
87.1	371	195889	196417	5.11	6.01
87.2	372	196417	196945	5.12	6.04
87.3	373	196945	197473	11.37	10.36
87.4	374	197473	198001	5.35	9.29
87.5	375	198001	198529	3.41	4.96
87.6	376	198529	199057	5.20	3.70
87.7	377	199057	199585	5.02	6.11
87.8	378	199585	200113	5.07	6.31
87.9	379	200113	200641	4.30	4.54
88	380	200641	201169	14.98	7.24
88.1	381	201169	201697	5.62	7.87
88.2	382	201697	202225	5.94	5.32
88.3	383	202225	202753	3.39	3.85
88.4	384	202753	203281	5.00	12.11

88.5	385	203281	203809	9.15	4.39
88.6	386	203809	204337	3.35	4.36
88.7	387	204337	204865	3.73	5.31
88.8	388	204865	205393	7.17	7.46
88.9	389	205393	205921	7.35	4.63
89	390	205921	206449	12.75	10.95
89.1	391	206449	206977	6.67	4.06
89.2	392	206977	207505	4.03	8.70
89.3	393	207505	208033	4.90	4.52
89.4	394	208033	208561	4.56	8.46
89.5	395	208561	209089	4.47	5.46
89.6	396	209089	209617	4.05	4.46
89.7	397	209617	210145	9.88	4.19
89.8	398	210145	210673	6.36	5.71
89.9	399	210673	211201	5.57	6.49
90	400	211201	211729	4.56	3.81
90.1	401	211729	212257	5.96	10.54
90.2	402	212257	212785	12.26	7.18
90.3	403	212785	213313	5.43	6.47
90.4	404	213313	213841	10.13	4.94
90.5	405	213841	214369	4.74	4.88
90.6	406	214369	214897	7.33	5.47
90.7	407	214897	215425	4.23	6.11
90.8	408	215425	215953	6.06	5.42
90.9	409	215953	216481	23.82	9.84
91	410	216481	217009	5.19	3.03
91.1	411	217009	217537	6.29	8.41
91.2	412	217537	218065	7.15	3.73
91.3	413	218065	218593	4.42	4.76
91.4	414	218593	219121	4.55	5.83
91.5	415	219121	219649	8.60	4.86
91.6	416	219649	220177	4.54	5.66
91.7	417	220177	220705	2.88	3.07
91.8	418	220705	221233	4.38	9.80
91.9	419	221233	221761	5.16	3.41
92	420	221761	222289	5.41	3.87
92.1	421	222289	222817	3.65	5.06
92.2	422	222817	223345	4.00	4.32
92.3	423	223345	223873	4.03	5.13
92.4	424	223873	224401	4.36	5.10
92.5	425	224401	224929	8.01	4.12
92.6	426	224929	225457	5.27	6.60
92.7	427	225457	225985	4.30	6.52

92.8	428	225985	226513	3.63	5.29
92.9	429	226513	227041	7.73	6.31
93	430	227041	227569	4.82	4.78
93.1	431	227569	228097	4.86	6.19
93.2	432	228097	228625	4.29	5.93
93.3	433	228625	229153	9.48	4.88
93.4	434	229153	229681	4.56	7.39
93.5	435	229681	230209	8.77	7.28
93.6	436	230209	230737	8.25	9.15
93.7	437	230737	231265	4.02	13.05
93.8	438	231265	231793	5.96	6.25
93.9	439	231793	232321	4.58	8.32
94	440	232321	232849	4.86	4.21
94.1	441	232849	233377	4.92	4.51
94.2	442	233377	233905	5.61	5.37
94.3	443	233905	234433	4.53	7.46
94.4	444	234433	234961	4.32	5.85
94.5	445	234961	235489	4.89	6.09
94.6	446	235489	236017	3.97	5.59
94.7	447	236017	236545	4.93	6.28
94.8	448	236545	237073	11.09	6.38
94.9	449	237073	237601	11.19	13.90
95	450	237601	238129	7.83	9.74
95.1	451	238129	238657	4.00	5.77
95.2	452	238657	239185	4.98	3.81
95.3	453	239185	239713	4.08	7.18
95.4	454	239713	240241	4.93	6.12
95.5	455	240241	240769	4.63	15.72
95.6	456	240769	241297	6.40	9.86
95.7	457	241297	241825	8.42	10.31
95.8	458	241825	242353	5.52	6.95
95.9	459	242353	242881	4.72	8.05
96	460	242881	243409	6.21	5.45
96.1	461	243409	243937	4.87	6.87
96.2	462	243937	244465	27.05	6.46
96.3	463	244465	244993	8.20	4.98
96.4	464	244993	245521	5.06	6.50
96.5	465	245521	246049	6.13	6.73
96.6	466	246049	246577	5.22	9.07
96.7	467	246577	247105	4.25	10.24
96.8	468	247105	247633	7.22	10.02
96.9	469	247633	248161	42.66	5.91
97	470	248161	248689	4.34	10.16

97.1	471	248689	249217	13.39	13.36
97.2	472	249217	249745	8.25	6.00
97.3	473	249745	250273	9.35	8.66
97.4	474	250273	250801	5.34	6.65
97.5	475	250801	251329	10.60	5.85
97.6	476	251329	251857	7.28	8.34
97.7	477	251857	252385	10.83	4.57
97.8	478	252385	252913	14.23	6.77
97.9	479	252913	253441	5.33	5.02
98	480	253441	253969	5.90	3.23
98.1	481	253969	254497	4.73	2.97
98.2	482	254497	255025	8.31	6.79
98.3	483	255025	255553	7.19	7.48
98.4	484	255553	256081	7.60	7.75
98.5	485	256081	256609	8.33	4.88
98.6	486	256609	257137	15.56	6.40
98.7	487	257137	257665	8.40	6.12
98.8	488	257665	258193	8.00	5.88
98.9	489	258193	258721	9.84	7.74
99	490	258721	259249	7.22	5.52
99.1	491	259249	259777	6.76	6.63
99.2	492	259777	260305	5.89	5.13
99.3	493	260305	260833	7.89	9.01
99.4	494	260833	261361	6.85	6.03
99.5	495	261361	261889	7.87	6.45
99.6	496	261889	262417	5.26	7.14
99.7	497	262417	262945	4.64	6.01
99.8	498	262945	263473	4.38	6.81
99.9	499	263473	264001	8.18	5.13
100	500	264001	264529	3.91	4.40
100.1	501	264529	265057	5.40	7.18
100.2	502	265057	265585	8.60	7.59
100.3	503	265585	266113	11.11	6.28
100.4	504	266113	266641	5.05	8.66
100.5	505	266641	267169	3.56	5.90
100.6	506	267169	267697	6.00	4.87
100.7	507	267697	268225	7.23	4.96
100.8	508	268225	268753	4.41	7.31
100.9	509	268753	269281	4.46	6.19
101	510	269281	269809	4.25	5.00
101.1	511	269809	270337	5.46	3.94
101.2	512	270337	270865	5.94	14.77
101.3	513	270865	271393	7.05	4.10

101.4	514	271393	271921	7.49	6.78
101.5	515	271921	272449	7.42	7.49
101.6	516	272449	272977	5.78	6.19
101.7	517	272977	273505	4.63	3.93
101.8	518	273505	274033	5.80	2.65
101.9	519	274033	274561	5.37	4.19
102	520	274561	275089	9.79	5.74
102.1	521	275089	275617	22.70	6.74
102.2	522	275617	276145	7.30	4.81
102.3	523	276145	276673	6.70	6.33
102.4	524	276673	277201	4.31	3.50
102.5	525	277201	277729	5.57	5.07
102.6	526	277729	278257	5.44	5.11
102.7	527	278257	278785	5.01	4.69
102.8	528	278785	279313	5.35	2.96
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103	530	279841	280369	4.84	5.42
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103.8	538	284065	284593	4.18	10.10
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104	540	285121	285649	2.93	6.09
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104.8	548	289345	289873	5.10	5.94
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106.5	565	298321	298849	5.78	10.04
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106.7	567	299377	299905	4.17	4.73
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107	570	300961	301489	12.38	7.68
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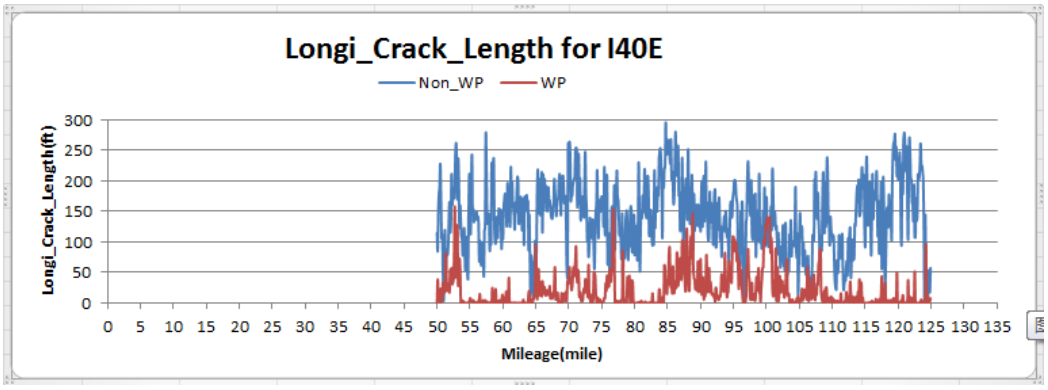
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112	620	327361	327889	8.74	3.74
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113.4	634	334753	335281	9.07	6.12
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113.7	637	336337	336865	3.83	8.02
113.8	638	336865	337393	4.86	7.15
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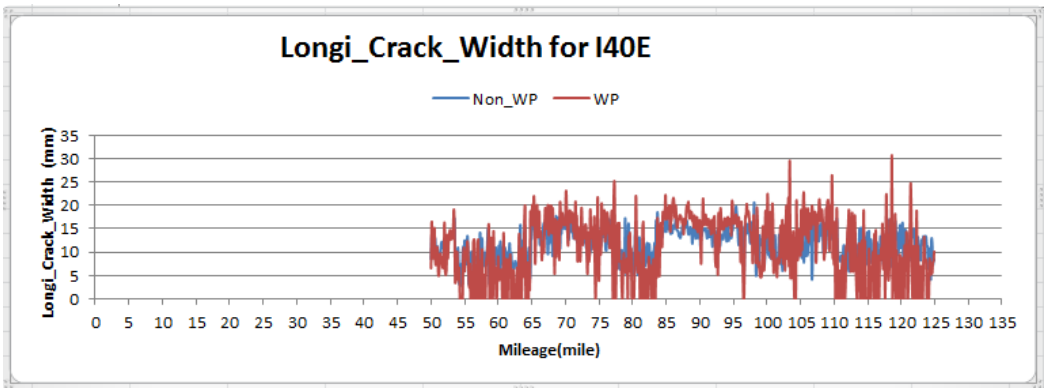
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117.8	678	357985	358513	5.07	7.38
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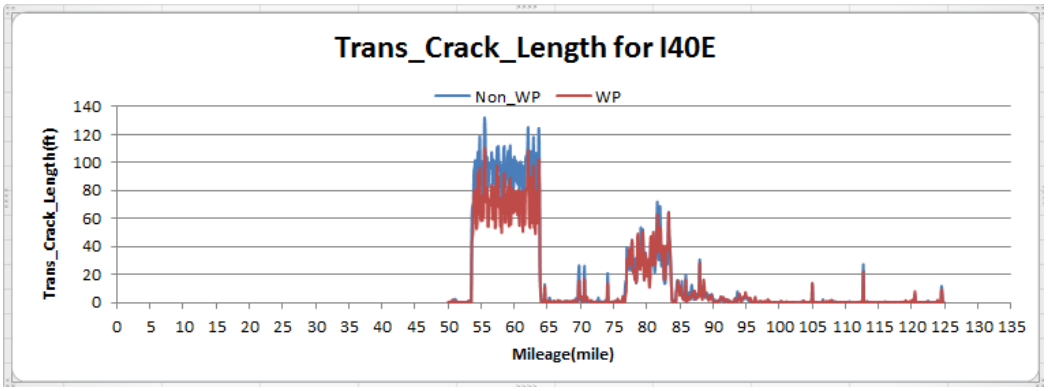
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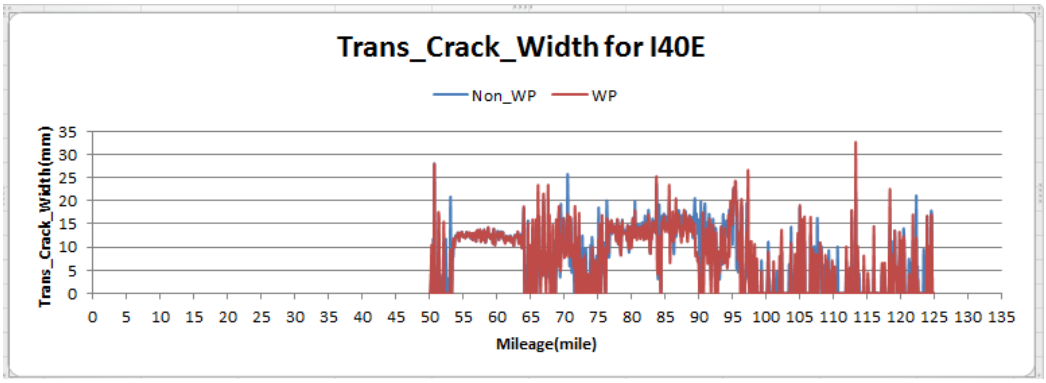
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123.6	736	388609	389137	3.62	4.71
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123.9	739	390193	390721	4.36	6.57
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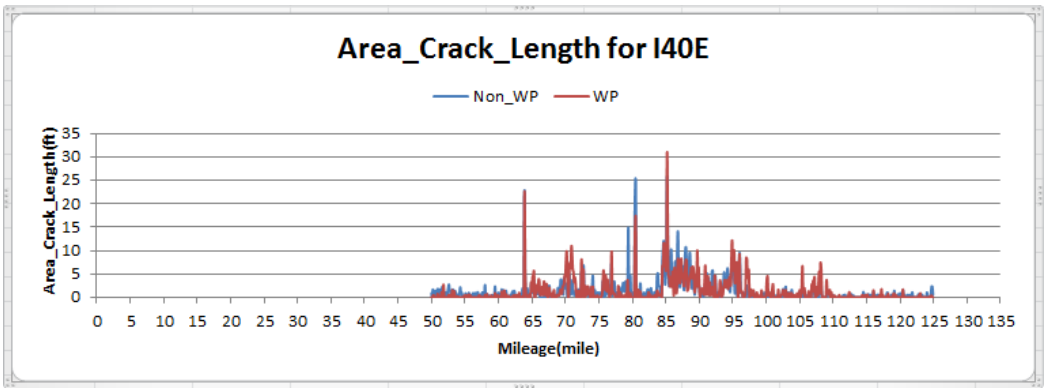
Cracking Data

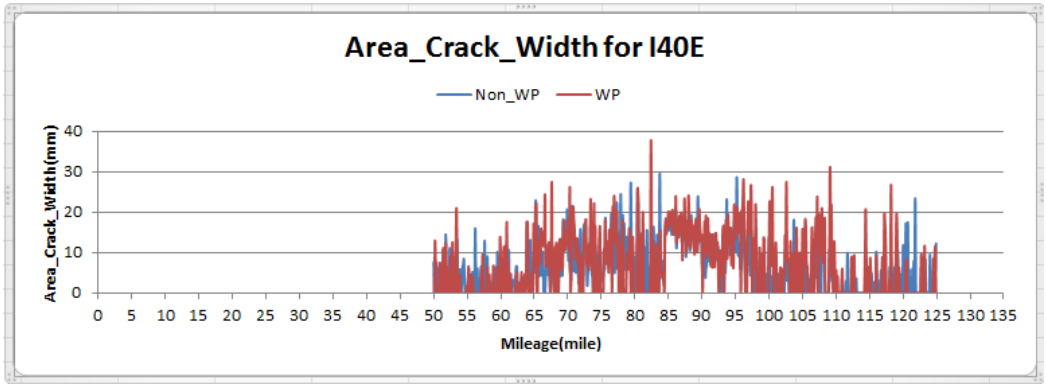







Trans_Crack_Width for I40E
Non_WP
WP
Trans_Crack_Width(mm)
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135
Mileage(mile)


Area_Crack_Length for I40E
Non_WP
WP
Area_Crack_Length(ft)
0 5 10 15 20 25 30 35
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135
Mileage(mile)


Area_Crack_Width for I40E
Non_WP
WP
Area_Crack_Width(mm)
0 10 20 30 40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0-50	Missing											
50	114.83	0.44	8.47	6.54	0.00	0.00	0.00	0.00	0.87	0.00	7.63	0.00
50.1	85.68	38.97	13.32	16.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.2	153.31	14.99	12.11	11.62	0.02	0.42	2.83	4.25	1.65	0.13	6.31	12.92
50.3	180.43	3.82	10.02	9.41	0.60	0.75	7.22	10.40	1.02	0.49	7.14	4.84
50.4	190.46	3.90	12.60	8.72	0.00	0.00	0.00	0.00	0.49	0.00	7.61	0.00
50.5	227.96	0.32	10.42	15.14	0.49	0.00	11.70	0.00	0.00	0.00	0.00	0.00
50.6	166.16	23.95	12.93	8.47	0.00	0.00	0.00	0.00	1.34	0.00	2.95	0.00
50.7	105.92	2.92	10.26	7.21	1.89	1.97	28.07	27.93	1.03	0.00	4.73	0.00
50.8	111.28	12.13	9.00	7.77	0.00	0.00	0.00	0.00	0.47	0.00	6.16	0.00
50.9	53.96	32.93	11.22	11.08	0.45	0.00	5.33	0.00	1.77	0.71	5.48	7.38
51	3.63	15.93	10.07	9.20	2.51	0.00	4.40	0.00	1.73	0.52	4.25	6.06
51.1	64.31	17.99	9.63	4.97	2.51	0.00	5.19	0.00	0.44	0.00	4.40	0.00
51.2	119.84	20.30	8.75	5.62	0.49	0.00	2.36	0.00	0.00	0.00	0.00	0.00
51.3	55.69	80.80	9.66	9.08	0.58	1.21	5.04	17.42	1.69	0.00	5.01	0.00
51.4	71.04	63.02	9.45	9.70	0.13	0.38	10.99	16.48	1.05	0.06	10.50	10.98
51.5	88.30	20.90	11.70	8.62	0.00	0.00	0.00	0.00	0.96	1.06	4.03	5.95
51.6	79.14	31.48	12.20	8.92	0.51	0.00	3.94	0.00	2.17	0.00	4.11	0.00
51.7	95.52	32.33	11.95	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.8	131.69	31.15	11.10	6.57	0.00	0.00	0.00	0.00	1.11	2.70	14.47	12.23
51.9	165.56	18.14	10.61	8.42	0.00	0.00	0.00	0.00	0.61	0.01	4.56	6.84
52	116.00	54.50	12.35	16.29	0.59	0.36	3.00	4.44	1.07	0.07	4.18	6.28
52.1	128.23	41.94	11.28	5.76	0.00	0.35	0.00	15.44	1.05	0.00	3.06	0.00
52.2	211.15	57.84	11.07	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.3	161.61	30.98	11.26	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.4	175.81	33.48	12.66	13.68	0.47	0.00	11.75	0.00	1.09	0.00	11.04	0.00
52.5	178.52	39.27	13.24	8.65	0.00	0.00	0.00	0.00	1.89	0.32	4.86	7.29
52.6	172.18	78.84	12.85	11.90	0.00	0.00	0.00	0.00	2.72	0.57	5.69	8.93
52.7	196.83	157.88	12.80	12.85	0.00	0.00	0.00	0.00	1.60	0.00	4.20	0.00
52.8	246.33	42.08	13.03	14.67	0.45	0.00	3.23	0.00	1.37	0.41	8.37	12.55
52.9	262.16	128.39	14.48	12.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	227.25	53.66	12.90	13.58	0.48	0.00	4.47	0.00	0.00	0.44	0.00	3.14
53.1	169.73	127.19	13.65	12.78	1.52	0.74	20.85	9.27	1.41	1.53	5.87	5.74
53.2	236.43	30.96	14.28	14.36	0.35	0.99	4.85	7.28	1.66	0.00	9.06	0.00
53.3	205.83	55.14	13.73	15.74	0.00	0.00	0.00	0.00	0.10	0.38	6.57	9.85
53.4	123.56	73.20	14.26	19.10	1.64	0.42	10.32	7.07	0.84	1.28	11.49	20.99
53.5	160.25	57.70	16.99	14.98	0.10	0.37	7.82	11.73	1.39	0.39	13.09	8.67
53.6	131.83	0.47	8.22	3.40	62.80	43.20	11.03	10.70	1.00	0.00	3.79	0.00
53.7	110.48	0.21	7.32	3.95	69.92	47.41	10.33	9.93	0.77	0.00	2.78	0.00
53.8	105.23	1.03	5.52	8.78	69.62	54.17	12.48	12.19	0.40	0.00	2.75	0.00

53.9	77.96	4.39	7.14	9.96	93.95	74.28	12.40	12.01	0.58	0.20	5.87	4.54
54	96.34	0.61	10.95	4.39	96.85	80.33	12.17	12.07	0.00	0.00	0.00	0.00
54.1	122.92	0.26	7.05	4.03	101.65	79.35	12.61	12.55	0.00	0.00	0.00	0.00
54.2	97.59	1.34	3.07	6.50	93.40	70.40	13.10	13.05	1.10	0.00	2.61	0.00
54.3	53.56	0.00	5.89	0.00	78.79	52.64	11.82	11.78	2.13	0.00	6.44	0.00
54.4	108.18	0.00	7.11	0.00	77.74	56.35	11.32	11.24	0.90	0.00	7.13	0.00
54.5	79.73	0.00	7.40	0.00	107.64	92.25	12.84	12.71	1.03	0.00	8.35	0.00
54.6	51.19	0.00	2.70	0.00	88.99	63.64	13.14	13.07	0.43	0.00	2.67	0.00
54.7	39.99	0.00	9.01	0.00	97.28	71.58	12.72	12.73	0.00	0.00	0.00	0.00
54.8	148.82	2.05	11.14	9.11	118.58	96.32	13.30	13.24	0.00	0.00	0.00	0.00
54.9	210.96	2.29	9.32	10.88	85.70	59.90	12.16	12.21	0.12	0.40	1.12	1.68
55	188.78	8.05	12.50	5.86	84.18	58.38	12.17	12.18	0.00	0.00	0.00	0.00
55.1	112.80	6.00	9.79	8.92	100.93	76.30	12.29	12.15	0.86	0.00	2.92	0.00
55.2	195.01	3.13	7.92	8.30	76.70	58.73	12.71	12.45	0.51	0.45	6.13	6.59
55.3	242.18	2.07	7.40	9.14	90.47	67.23	12.02	11.83	0.00	0.00	0.00	0.00
55.4	148.64	4.77	13.37	12.30	87.94	61.77	12.88	12.89	0.00	0.00	0.00	0.00
55.5	154.09	4.44	10.70	10.99	131.65	110.19	13.23	13.20	0.00	0.00	0.00	0.00
55.6	132.75	2.21	3.17	5.46	127.46	107.07	12.35	12.23	0.95	0.61	4.17	4.55
55.7	144.41	0.49	6.50	2.42	98.33	72.58	12.53	12.45	0.00	0.00	0.00	0.00
55.8	137.51	1.89	6.97	7.45	104.35	78.68	12.98	12.92	0.56	0.43	5.21	3.87
55.9	141.17	0.00	3.01	0.00	103.18	81.67	13.05	13.14	0.00	0.00	0.00	0.00
56	149.81	0.00	9.91	0.00	81.68	54.41	12.18	12.21	0.00	0.00	0.00	0.00
56.1	136.53	0.00	7.99	0.00	82.83	54.35	11.78	12.08	0.00	0.00	0.00	0.00
56.2	141.96	0.00	8.18	0.00	99.29	73.12	12.27	12.24	0.86	0.00	15.97	0.00
56.3	131.38	3.90	9.95	12.18	96.20	69.51	12.98	12.96	0.55	0.00	1.86	0.00
56.4	68.57	6.98	10.58	12.73	95.82	74.74	11.55	11.47	0.00	0.00	0.00	0.00
56.5	102.19	15.19	8.71	11.95	99.86	77.84	12.47	12.48	0.88	0.00	6.11	0.00
56.6	86.63	0.00	8.51	0.00	107.02	83.58	12.65	12.65	0.53	0.00	2.34	0.00
56.7	61.74	2.15	8.89	7.15	84.59	59.44	13.09	13.12	0.41	0.00	2.64	0.00
56.8	99.50	0.00	8.18	0.00	102.07	79.27	12.75	12.73	0.00	0.00	0.00	0.00
56.9	73.25	0.00	5.95	0.00	101.29	79.49	11.16	11.14	1.12	0.00	2.35	0.00
57	80.48	4.86	10.05	12.42	100.21	82.46	13.17	13.18	0.38	0.00	3.70	0.00
57.1	44.31	0.18	6.86	8.95	81.13	53.34	13.57	13.73	0.56	0.44	6.52	5.80
57.2	119.02	0.00	8.52	0.00	82.48	54.88	13.19	13.27	0.00	0.00	0.00	0.00
57.3	125.18	5.08	14.15	8.10	88.78	72.01	12.17	12.08	0.63	0.33	6.34	9.52
57.4	275.79	0.00	9.25	0.00	111.13	97.98	12.76	12.75	0.44	0.00	1.65	0.00
57.5	226.46	0.00	9.19	0.00	95.78	70.70	13.66	13.70	0.00	0.00	0.00	0.00
57.6	131.31	2.52	12.90	10.57	111.76	90.13	11.12	11.13	1.05	0.00	12.95	0.00
57.7	142.95	0.00	7.00	0.00	94.43	68.28	12.39	12.42	0.00	0.00	0.00	0.00
57.8	146.70	0.00	8.00	0.00	100.51	74.67	12.25	12.27	0.45	0.00	6.14	0.00
57.9	141.72	0.40	7.98	5.02	82.31	54.47	13.16	13.32	0.00	0.00	0.00	0.00
58	85.75	0.35	9.89	3.52	90.94	74.26	11.59	11.52	2.61	0.54	9.07	6.63
58.1	114.13	0.00	7.04	0.00	67.64	49.84	13.79	13.67	0.00	0.00	0.00	0.00

58.2	97.45	3.08	9.03	7.82	98.27	71.32	11.69	11.74	0.00	0.00	0.00	0.00
58.3	228.91	2.50	8.13	9.00	93.15	70.99	10.92	10.96	0.70	0.71	3.03	4.54
58.4	160.01	25.08	12.31	10.80	110.60	84.44	11.69	11.69	0.00	0.00	0.00	0.00
58.5	230.47	9.42	14.81	12.70	111.69	91.49	13.16	13.08	0.42	0.00	2.67	0.00
58.6	236.78	1.72	8.71	15.65	82.45	57.19	13.38	13.29	0.00	0.00	0.00	0.00
58.7	130.44	0.00	3.20	0.00	85.12	57.42	14.22	14.23	0.00	0.00	0.00	0.00
58.8	101.31	0.91	3.30	8.68	95.54	68.64	12.19	12.19	0.00	0.00	0.00	0.00
58.9	97.43	22.98	11.52	13.09	99.00	76.63	12.37	12.23	0.07	0.39	4.51	6.76
59	117.95	1.50	8.13	9.34	104.62	79.44	11.75	11.78	0.50	0.00	3.43	0.00
59.1	141.43	0.00	6.40	0.00	107.93	82.86	12.28	12.30	0.00	0.00	0.00	0.00
59.2	106.62	0.00	6.14	0.00	79.18	54.50	12.79	12.78	0.34	0.00	6.29	0.00
59.3	132.46	3.90	8.75	14.38	106.07	84.73	11.62	11.62	0.56	0.00	3.53	0.00
59.4	155.12	1.41	9.69	6.27	111.75	88.64	10.87	10.85	0.00	0.00	0.00	0.00
59.5	129.53	4.75	7.16	6.72	79.65	55.76	13.87	13.91	2.30	0.86	10.17	6.47
59.6	149.18	4.28	10.91	5.80	101.97	79.58	12.87	12.53	0.00	0.00	0.00	0.00
59.7	152.24	0.00	9.96	0.00	100.34	81.41	10.61	10.34	0.54	0.00	4.87	0.00
59.8	88.76	0.00	7.22	0.00	88.09	64.50	12.16	12.18	0.46	0.00	6.69	0.00
59.9	132.53	13.97	9.32	5.55	80.53	64.09	12.61	12.49	0.08	0.44	9.23	13.84
60	105.08	0.55	6.57	9.10	104.30	79.01	12.58	12.54	0.99	0.03	3.97	5.20
60.1	151.91	0.95	11.40	4.09	86.66	65.26	13.49	13.25	0.51	0.00	7.75	0.00
60.2	170.12	0.47	5.71	5.11	101.43	79.39	12.34	12.34	0.00	0.00	0.00	0.00
60.3	179.01	9.86	12.07	5.20	98.97	78.36	11.62	11.49	0.00	0.00	0.00	0.00
60.4	178.87	9.62	10.59	6.27	95.55	74.80	13.27	13.07	0.58	0.39	6.55	9.82
60.5	154.20	19.05	7.48	5.51	84.71	62.57	12.40	12.46	1.68	1.26	4.66	11.33
60.6	126.64	0.00	10.89	0.00	98.97	80.42	13.37	13.18	0.38	0.00	3.90	0.00
60.7	195.04	0.00	6.09	0.00	84.53	65.04	12.53	12.54	1.52	0.62	3.02	4.03
60.8	179.03	2.20	7.85	13.99	80.62	55.38	11.96	11.96	1.07	1.29	6.32	5.02
60.9	187.99	41.56	8.37	5.95	100.60	79.18	13.20	13.18	0.72	1.38	11.73	17.59
61	153.77	0.00	10.93	0.00	99.66	76.71	11.57	11.53	0.00	0.00	0.00	0.00
61.1	127.54	1.18	8.94	8.21	93.94	74.10	11.57	11.54	1.42	0.68	8.13	7.61
61.2	222.40	1.03	8.58	8.49	97.98	78.29	10.97	10.73	0.92	0.00	10.41	0.00
61.3	173.78	0.00	9.95	0.00	71.03	50.65	11.28	11.17	0.00	0.00	0.00	0.00
61.4	198.00	0.00	7.26	0.00	97.00	79.22	12.41	12.32	0.00	0.00	0.00	0.00
61.5	160.74	0.05	9.16	8.28	95.76	71.32	11.56	11.43	0.04	0.36	3.14	4.71
61.6	154.31	0.47	10.40	5.13	81.95	55.56	12.06	12.17	0.00	0.00	0.00	0.00
61.7	142.73	0.50	11.77	7.55	102.36	80.69	11.56	11.34	0.00	0.00	0.00	0.00
61.8	120.69	1.04	7.50	9.26	104.99	81.33	12.25	12.22	0.50	0.00	3.22	0.00
61.9	164.62	0.00	9.90	0.00	102.81	80.98	12.27	12.06	0.59	0.00	2.41	0.00
62	149.00	0.00	8.15	0.00	110.59	90.68	12.49	12.24	0.59	0.00	1.63	0.00
62.1	182.57	0.00	7.35	0.00	124.86	108.32	11.19	10.97	1.27	0.00	2.64	0.00
62.2	207.45	0.53	6.61	6.10	90.29	66.39	12.05	11.95	0.61	0.39	4.32	1.87
62.3	201.66	0.50	6.51	5.22	74.97	54.40	11.49	11.28	1.27	0.00	6.62	0.00
62.4	131.26	0.00	6.45	0.00	81.02	53.52	11.31	11.28	1.34	0.46	6.64	5.23

62.5	145.29	0.00	8.02	0.00	108.29	89.33	10.28	10.17	0.00	0.00	0.00	0.00
62.6	154.12	0.00	7.62	0.00	86.89	66.21	12.56	12.34	0.08	0.36	1.74	2.60
62.7	174.27	0.00	7.13	0.00	82.51	56.96	12.61	12.42	0.08	0.45	1.59	2.39
62.8	166.12	0.55	7.63	6.62	84.98	61.36	12.33	12.24	0.00	0.00	0.00	0.00
62.9	119.91	0.56	6.89	5.87	118.37	97.72	12.65	12.61	0.00	0.00	0.00	0.00
63	129.03	0.00	7.47	0.00	79.36	53.69	11.98	12.00	0.58	0.00	2.39	0.00
63.1	170.52	5.75	11.29	13.68	81.10	55.12	13.30	13.33	0.56	0.97	3.47	5.15
63.2	95.32	0.47	10.56	7.48	64.67	49.75	11.38	10.85	0.00	0.00	0.00	0.00
63.3	173.28	0.00	15.82	0.00	106.62	79.38	10.91	10.67	0.53	0.00	3.76	0.00
63.4	159.66	0.11	9.10	8.36	83.80	62.76	12.57	12.31	0.00	0.00	0.00	0.00
63.5	151.83	0.00	6.48	0.00	81.38	56.79	12.33	11.97	0.00	0.00	0.00	0.00
63.6	176.82	0.48	7.23	10.67	83.32	60.44	12.80	12.37	1.90	0.27	3.32	4.68
63.7	163.95	0.43	12.43	6.42	124.53	102.08	9.80	9.74	0.48	0.00	3.22	0.00
63.8	167.22	0.47	8.12	4.86	103.67	81.27	10.90	10.81	0.17	0.22	2.91	4.37
63.9	86.42	17.05	13.46	16.87	19.48	14.99	15.24	14.57	22.87	22.66	17.34	17.67
64	145.31	19.93	14.58	19.64	5.44	3.81	18.02	18.34	4.17	5.18	10.22	17.36
64.1	76.48	0.00	7.91	0.00	0.00	0.00	0.00	0.00	0.04	0.92	3.23	5.17
64.2	11.83	0.00	4.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.3	76.99	7.41	4.40	6.37	1.40	0.00	5.11	0.00	1.94	0.00	4.88	0.00
64.4	66.13	1.45	5.14	7.59	1.22	0.00	6.07	0.00	0.37	0.00	13.05	0.00
64.5	67.51	0.00	10.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.6	32.95	6.91	10.86	6.60	13.03	11.65	15.70	15.12	0.00	0.66	0.00	4.92
64.7	7.45	11.49	4.33	2.22	0.51	0.00	3.82	0.00	0.00	0.00	0.00	0.00
64.8	36.57	10.54	5.68	18.43	0.33	0.00	6.12	0.00	0.00	0.00	0.00	0.00
64.9	102.26	28.80	16.08	15.75	0.00	0.00	0.00	0.00	3.01	3.26	9.69	17.01
65	21.58	95.53	17.58	17.00	0.24	1.17	3.34	10.44	2.39	1.26	5.08	15.60
65.1	92.72	22.41	14.98	20.13	0.00	0.00	0.00	0.00	0.98	4.31	8.47	6.39
65.2	187.67	6.24	15.61	15.72	0.63	0.00	6.59	0.00	1.62	4.69	22.89	21.81
65.3	218.10	21.96	15.18	21.97	3.49	1.96	13.98	15.94	3.60	5.59	13.13	22.15
65.4	147.01	55.83	12.75	17.55	2.31	0.41	6.92	4.35	0.64	0.00	4.97	0.00
65.5	203.46	19.19	15.31	7.50	0.42	0.00	2.89	0.00	0.43	0.00	4.64	0.00
65.6	160.28	12.47	15.80	13.98	0.05	0.37	4.24	6.37	0.86	2.64	16.63	11.72
65.7	143.89	34.43	15.24	15.01	0.06	0.43	3.85	5.78	0.85	0.91	4.49	7.19
65.8	144.28	28.77	13.66	20.06	0.01	0.79	4.83	15.92	0.68	2.02	7.39	13.61
65.9	214.40	10.96	14.79	13.17	0.00	0.00	0.00	0.00	1.00	1.57	10.91	7.21
66	115.76	35.64	14.72	13.30	1.46	0.42	4.05	8.15	2.00	3.86	10.66	15.92
66.1	210.69	25.31	14.19	18.68	0.15	0.85	15.59	23.38	0.84	3.52	4.52	11.70
66.2	152.22	16.06	11.54	13.76	0.44	0.36	13.20	11.77	0.08	0.68	5.86	13.82
66.3	202.34	26.46	13.76	14.49	0.60	0.38	14.24	16.55	0.08	0.45	10.01	15.01
66.4	191.09	15.21	12.02	12.52	0.09	0.38	3.77	5.65	0.00	0.59	0.00	11.53
66.5	192.08	12.37	10.74	8.26	0.47	0.00	2.95	0.00	0.00	2.18	0.00	13.14
66.6	180.25	20.01	12.32	12.08	0.26	1.92	9.13	8.88	0.00	1.62	0.00	24.34
66.7	150.63	20.96	15.41	9.99	0.07	0.35	6.05	9.08	0.08	0.53	4.56	6.84

66.8	167.82	15.03	16.20	9.85	0.53	0.41	4.08	4.27	0.08	3.39	6.51	10.71
66.9	189.81	13.69	14.34	15.80	1.10	1.14	19.49	21.07	0.03	1.89	6.12	8.11
67	168.74	17.10	13.68	19.39	0.14	1.07	15.64	17.49	0.41	1.63	11.89	9.85
67.1	168.65	27.99	14.70	18.59	0.12	0.37	5.97	8.96	0.04	0.39	4.60	6.90
67.2	153.33	7.64	13.82	15.05	0.08	0.37	3.23	4.85	1.00	2.86	7.07	12.56
67.3	144.37	15.52	13.06	14.99	0.51	0.00	4.00	0.00	0.11	0.46	3.97	5.95
67.4	138.52	14.85	9.56	20.06	0.62	0.37	6.98	5.08	0.00	0.00	0.00	0.00
67.5	138.28	7.38	12.84	13.74	0.13	0.29	3.57	5.36	0.52	0.54	2.81	4.22
67.6	157.94	16.80	11.83	14.75	0.16	1.11	7.38	23.42	2.48	2.07	9.19	27.47
67.7	166.97	12.11	14.05	19.89	0.04	0.43	3.36	5.04	0.08	0.34	3.93	5.90
67.8	203.13	33.01	13.16	15.40	0.16	1.14	5.69	16.96	0.08	0.69	5.82	8.72
67.9	183.61	58.45	15.27	19.94	1.45	0.00	7.12	0.00	0.58	0.39	4.47	8.30
68	165.55	5.81	12.99	14.01	0.07	0.43	2.92	4.38	0.00	0.00	0.00	0.00
68.1	142.55	6.61	9.14	19.41	0.00	0.00	0.00	0.00	0.00	0.97	0.00	11.32
68.2	161.42	11.86	13.78	16.00	0.00	0.00	0.00	0.00	0.33	0.25	4.72	7.07
68.3	170.16	17.16	12.66	16.98	0.14	1.26	5.13	14.75	0.23	1.58	9.99	12.31
68.4	171.72	1.09	13.28	5.33	0.84	0.00	3.85	0.00	0.00	0.00	0.00	0.00
68.5	201.25	2.66	9.73	17.00	0.00	0.00	0.00	0.00	0.51	0.00	3.21	0.00
68.6	211.69	0.52	17.70	9.14	0.45	0.36	11.27	6.39	0.00	0.00	0.00	0.00
68.7	199.28	1.40	10.99	11.58	0.00	0.00	0.00	0.00	0.55	0.01	7.44	11.16
68.8	143.78	4.80	13.03	16.24	0.14	1.62	4.25	15.75	0.48	0.51	4.25	13.35
68.9	185.19	16.52	17.35	16.67	1.49	0.30	8.43	8.96	2.01	0.58	13.31	13.07
69	201.25	1.34	16.46	16.68	0.15	1.52	9.48	9.02	0.58	0.44	6.22	6.34
69.1	208.91	15.35	11.05	8.30	0.28	1.45	8.25	6.12	0.96	0.40	8.79	8.84
69.2	197.38	3.56	10.70	20.44	0.30	1.13	17.58	18.68	0.91	1.34	4.59	5.72
69.3	164.05	15.03	16.06	16.86	3.10	1.14	11.59	12.28	3.82	1.68	18.08	15.09
69.4	170.33	4.07	13.93	15.21	0.92	0.42	3.57	4.91	1.98	0.85	12.14	17.84
69.5	175.12	18.18	16.83	18.31	1.10	1.26	19.29	5.76	2.74	0.78	17.05	10.52
69.6	120.17	10.16	17.97	17.20	1.35	0.63	8.82	11.71	3.44	2.37	17.71	10.74
69.7	56.30	3.65	15.50	16.00	20.36	12.85	13.66	12.76	0.56	2.42	11.77	13.35
69.8	41.52	35.63	15.02	15.83	26.28	15.62	13.12	12.28	4.19	2.91	12.97	14.14
69.9	257.92	31.27	15.37	15.76	4.81	5.01	16.26	16.09	2.09	4.75	20.69	15.35
70	211.97	41.98	15.94	17.84	1.84	4.63	14.34	7.71	2.18	4.55	14.54	11.83
70.1	263.69	58.92	14.93	23.11	1.08	3.81	9.87	8.44	1.90	7.80	8.05	18.27
70.2	247.37	40.19	16.44	19.08	2.09	4.29	12.05	8.00	2.92	9.74	11.01	10.42
70.3	167.62	40.14	16.45	14.66	0.64	0.74	11.66	9.12	0.10	4.22	6.86	26.14
70.4	176.68	21.54	15.39	11.40	0.97	0.34	13.91	11.37	0.46	0.00	4.39	0.00
70.5	175.73	26.47	12.63	16.96	1.14	1.54	25.76	17.08	0.14	0.36	3.30	4.95
70.6	191.87	40.87	17.20	18.85	26.21	16.90	14.79	14.40	4.95	5.68	21.50	17.33
70.7	199.04	58.58	16.66	18.90	3.47	2.96	13.44	7.91	1.07	7.46	10.04	13.42
70.8	203.49	43.98	17.07	16.33	0.27	1.77	5.82	9.83	0.60	6.35	18.11	21.28
70.9	206.78	57.41	14.28	17.86	0.38	1.27	16.19	16.46	0.95	10.88	5.61	18.26
71	251.65	71.99	17.19	18.45	2.18	4.05	15.60	8.16	3.61	9.15	10.99	15.70

71.1	254.62	92.42	15.34	17.77	0.56	1.58	4.60	10.67	1.59	5.93	10.65	8.54
71.2	252.46	44.01	12.92	14.35	0.27	1.06	6.68	10.02	1.52	5.42	5.03	8.65
71.3	157.38	33.74	14.26	16.57	0.16	0.80	4.60	6.90	0.43	3.22	9.50	11.63
71.4	212.26	54.37	15.55	12.88	0.15	1.20	6.46	5.52	1.06	4.29	7.79	13.43
71.5	242.79	41.99	15.12	20.79	0.00	0.35	0.00	7.74	0.73	3.49	10.36	7.10
71.6	162.99	10.73	15.41	15.56	1.25	1.90	16.37	18.74	0.42	1.00	2.34	11.01
71.7	204.82	18.35	12.28	17.58	1.45	0.00	6.88	0.00	0.54	0.00	3.31	0.00
71.8	136.57	8.99	11.98	8.13	0.07	0.37	2.19	3.29	1.04	0.00	11.71	0.00
71.9	161.08	3.15	13.47	9.79	0.00	0.00	0.00	0.00	1.73	1.38	15.52	9.43
72	160.94	4.06	12.81	9.26	0.00	0.36	0.00	12.10	1.47	1.13	3.35	3.99
72.1	174.86	3.64	13.56	15.25	0.39	0.00	4.02	0.00	0.00	0.00	0.00	0.00
72.2	169.02	17.41	12.57	8.03	0.57	0.26	15.09	17.33	0.58	0.00	10.16	0.00
72.3	141.01	24.13	12.52	12.93	0.00	0.00	0.00	0.00	0.40	0.00	4.50	0.00
72.4	206.03	17.53	16.08	19.45	0.13	0.98	5.16	7.25	5.46	7.96	16.76	14.28
72.5	247.42	38.90	13.37	15.59	1.32	0.00	3.57	0.00	5.06	4.85	14.79	11.73
72.6	179.93	32.99	11.84	11.52	0.59	0.31	5.39	7.07	0.45	0.20	11.67	17.51
72.7	154.92	27.75	13.06	15.31	3.50	0.34	12.38	7.29	6.83	5.92	10.76	18.21
72.8	101.41	16.21	14.45	12.90	0.00	0.00	0.00	0.00	1.47	0.01	8.87	7.98
72.9	116.05	10.64	15.04	15.00	0.05	0.41	4.01	6.01	0.99	0.36	1.89	6.80
73	76.13	62.82	12.91	15.97	1.02	0.36	9.51	8.15	0.67	2.44	5.42	11.57
73.1	94.61	8.53	10.84	15.04	0.49	0.38	3.33	6.58	0.53	0.45	8.68	5.60
73.2	139.62	7.10	13.98	9.21	0.50	0.00	9.73	0.00	2.06	1.04	8.57	12.29
73.3	110.30	1.88	8.46	5.48	0.04	0.36	2.93	4.39	1.43	1.08	9.65	8.90
73.4	128.81	13.97	13.06	14.14	0.00	0.00	0.00	0.00	2.18	2.32	16.76	23.27
73.5	106.38	1.08	12.32	8.00	0.97	0.00	3.17	0.00	0.11	0.83	6.76	10.14
73.6	136.90	0.09	9.44	9.33	0.08	0.41	2.73	4.10	0.07	0.60	4.34	6.52
73.7	127.82	8.16	12.68	19.02	0.00	0.00	0.00	0.00	0.94	0.18	5.05	7.57
73.8	82.29	51.12	10.40	14.97	0.47	0.00	2.46	0.00	0.00	0.00	0.00	0.00
73.9	56.78	49.22	12.88	15.35	2.24	0.00	10.44	0.00	1.65	2.24	14.69	22.03
74	113.12	44.00	14.23	12.87	0.00	0.00	0.00	0.00	1.89	0.18	12.46	10.63
74.1	150.09	16.84	13.50	14.42	21.02	13.80	11.94	9.85	4.61	2.26	11.25	16.32
74.2	165.38	1.87	11.32	10.52	0.59	0.80	10.15	4.92	1.06	0.00	7.00	0.00
74.3	217.75	0.48	11.72	17.56	0.37	0.00	6.84	0.00	0.00	0.40	0.00	6.52
74.4	147.16	9.26	11.85	6.52	0.00	0.00	0.00	0.00	1.51	0.00	9.25	0.00
74.5	106.29	0.00	12.60	0.00	0.00	0.00	0.00	0.00	0.43	0.00	3.64	0.00
74.6	153.34	3.79	13.14	8.60	0.06	0.36	4.79	7.18	0.00	0.00	0.00	0.00
74.7	169.23	5.93	12.29	5.31	0.00	0.00	0.00	0.00	0.10	0.30	8.73	13.10
74.8	149.82	4.65	15.69	21.61	0.51	0.79	8.11	5.50	1.02	0.40	13.32	16.29
74.9	166.97	1.65	12.51	12.42	0.00	0.00	0.00	0.00	0.55	0.00	2.73	0.00
75	174.92	0.91	13.03	3.82	0.00	0.00	0.00	0.00	0.52	0.00	3.47	0.00
75.1	165.80	1.35	13.06	14.50	0.98	0.40	18.31	11.48	1.04	0.00	4.90	0.00
75.2	161.67	1.29	12.77	9.35	1.18	0.65	10.31	7.90	0.53	0.00	3.38	0.00
75.3	126.72	4.38	11.49	9.91	0.58	0.85	9.93	14.89	0.53	0.00	4.81	0.00

75.4	222.95	9.35	14.28	20.37	0.00	0.00	0.00	0.00	0.84	0.19	10.36	10.80
75.5	112.10	8.17	13.10	13.94	0.45	0.00	4.75	0.00	1.50	1.14	6.06	9.09
75.6	121.67	32.90	14.95	15.01	1.41	2.82	10.57	16.75	3.45	3.36	18.65	18.14
75.7	155.88	19.97	13.90	16.49	0.23	1.18	10.95	7.70	0.19	5.77	8.47	7.49
75.8	207.41	45.02	13.38	18.81	0.13	0.38	4.44	6.66	0.09	3.49	10.90	9.56
75.9	65.29	42.25	13.65	12.37	1.02	0.69	10.96	9.70	1.71	1.66	8.48	12.81
76	87.08	26.50	10.41	13.59	0.16	0.78	3.27	4.90	0.45	4.69	8.12	10.03
76.1	112.73	28.00	10.32	14.44	0.00	0.00	0.00	0.00	0.68	2.87	6.69	5.18
76.2	42.44	54.98	14.03	18.37	0.48	0.00	5.84	0.00	1.10	1.27	7.73	15.70
76.3	45.31	41.96	17.20	17.61	2.29	1.43	19.68	16.20	1.41	3.78	13.95	15.35
76.4	61.74	35.23	16.15	15.99	3.37	4.64	16.11	15.84	2.56	1.11	14.95	7.62
76.5	155.22	52.59	11.78	13.31	1.20	0.43	11.22	8.77	0.92	1.31	19.27	15.61
76.6	158.26	52.74	14.90	10.83	0.54	0.41	7.72	12.56	0.56	0.00	4.57	0.00
76.7	67.62	136.81	16.94	15.26	8.26	0.74	8.63	13.64	0.50	1.53	13.13	20.92
76.8	63.79	153.73	14.67	14.85	15.38	5.46	14.13	15.33	3.85	0.69	10.47	15.70
76.9	193.21	96.67	16.42	18.72	14.75	8.22	15.55	13.49	7.20	9.79	19.96	23.98
77	87.59	0.52	14.60	10.25	39.46	30.56	15.64	15.80	0.40	1.67	4.98	19.86
77.1	154.45	0.00	7.41	0.00	23.37	25.33	12.81	13.10	1.16	1.27	20.40	12.43
77.2	177.22	1.57	14.71	21.48	27.70	31.65	13.98	13.17	1.26	0.78	7.99	11.99
77.3	217.18	4.24	15.34	25.08	24.87	31.97	13.84	13.44	3.39	0.80	22.40	20.24
77.4	173.11	2.46	9.16	12.68	33.29	38.54	14.71	14.61	1.19	0.25	8.67	6.10
77.5	169.13	0.00	9.74	0.00	28.41	32.87	14.08	13.93	0.77	0.17	13.72	14.64
77.6	138.21	0.86	12.03	10.69	23.40	27.21	13.57	13.13	1.06	0.00	9.64	0.00
77.7	110.81	2.83	12.26	6.46	39.91	35.23	11.67	11.25	0.00	0.00	0.00	0.00
77.8	125.94	3.62	10.05	16.11	44.58	44.38	12.61	12.79	0.67	0.51	8.48	6.36
77.9	103.77	1.19	12.80	11.22	28.94	23.40	15.92	16.03	1.06	2.46	24.40	12.47
78	73.05	5.11	6.50	16.19	29.13	20.92	10.79	10.61	0.53	0.49	1.76	7.41
78.1	146.90	7.19	8.86	7.92	23.21	19.85	13.91	13.48	2.12	0.00	9.41	0.00
78.2	44.19	85.97	6.20	8.08	27.65	16.19	14.03	14.52	1.08	1.03	19.26	18.12
78.3	105.12	23.57	8.62	8.03	31.15	23.70	10.25	10.42	0.37	0.00	6.47	0.00
78.4	75.96	0.29	10.40	2.31	14.08	14.61	8.43	8.14	1.49	0.00	17.24	0.00
78.5	73.75	0.00	6.72	0.00	18.31	16.88	12.34	11.02	1.30	0.00	6.05	0.00
78.6	125.57	4.76	7.90	6.72	38.08	47.40	15.90	15.55	3.05	0.40	9.35	0.98
78.7	145.75	0.45	9.22	9.75	42.92	49.30	13.89	13.85	2.81	0.00	13.92	0.00
78.8	151.06	0.91	7.96	6.91	34.12	38.16	13.14	12.83	1.21	0.38	6.55	9.90
78.9	109.28	43.18	17.24	7.63	42.77	33.59	13.07	12.91	2.60	0.18	5.94	6.22
79	70.74	11.66	6.97	5.58	27.92	23.40	13.67	12.85	3.40	0.19	13.67	5.90
79.1	100.83	23.09	5.22	8.05	53.07	33.24	13.30	13.10	2.71	0.88	13.43	9.20
79.2	93.48	44.54	14.34	8.57	45.88	26.60	13.04	12.60	1.95	0.24	16.14	15.95
79.3	143.06	0.00	10.04	0.00	41.64	43.10	11.77	11.42	0.96	3.71	13.49	11.80
79.4	158.87	0.51	16.09	13.27	52.40	50.64	14.63	14.70	14.91	0.00	27.24	0.00
79.5	148.85	18.93	12.56	8.26	38.47	33.29	11.13	11.41	1.51	0.21	6.67	10.01
79.6	84.50	37.34	11.22	14.12	31.54	16.12	8.79	9.58	1.19	0.00	9.41	0.00

79.7	82.60	34.49	11.01	5.85	32.44	19.34	9.82	9.70	4.69	0.89	10.08	13.88
79.8	108.93	1.90	7.23	10.60	35.67	34.99	14.39	14.24	0.00	0.00	0.00	0.00
79.9	144.41	0.00	6.54	0.00	30.65	26.29	12.70	11.29	0.83	0.00	4.88	0.00
80	78.48	0.00	5.23	0.00	20.89	18.91	11.10	9.87	0.00	0.00	0.00	0.00
80.1	125.51	0.00	9.84	0.00	25.63	28.33	14.25	13.71	0.98	0.00	8.99	0.00
80.2	114.27	0.00	5.50	0.00	22.36	20.42	16.31	16.19	0.98	0.00	2.97	0.00
80.3	118.83	0.05	8.75	6.21	27.06	31.24	15.85	14.72	0.40	0.00	8.59	0.00
80.4	69.76	0.09	15.20	12.57	14.58	11.00	13.39	12.10	21.71	14.19	25.05	25.63
80.5	103.85	0.42	11.85	22.01	17.48	15.67	19.90	17.89	25.07	17.13	22.47	22.17
80.6	229.85	1.90	11.73	14.62	42.70	46.80	12.37	12.27	0.44	0.45	8.76	8.21
80.7	147.98	0.18	6.19	9.13	30.72	35.23	13.18	12.44	0.00	0.00	0.00	0.00
80.8	51.63	1.86	5.20	5.63	26.49	27.01	12.61	11.57	0.00	0.00	0.00	0.00
80.9	128.20	1.49	11.45	6.38	36.01	37.35	14.93	14.14	0.49	1.61	6.72	14.72
81	152.21	3.72	13.16	9.69	44.15	50.46	13.28	13.19	0.82	0.00	6.23	0.00
81.1	139.59	0.00	10.41	0.00	29.57	37.71	14.67	14.17	0.99	0.00	4.44	0.00
81.2	176.17	0.00	10.47	0.00	21.59	28.33	14.20	13.07	2.99	1.21	14.60	20.04
81.3	148.70	0.00	6.12	0.00	26.38	26.90	12.15	11.73	0.37	0.00	6.28	0.00
81.4	173.98	0.00	8.04	0.00	47.88	40.06	13.38	13.58	0.00	0.00	0.00	0.00
81.5	219.59	0.98	7.83	15.13	55.14	46.70	14.80	14.10	0.00	0.00	0.00	0.00
81.6	190.96	2.58	7.02	16.33	71.99	63.09	15.29	14.53	0.35	0.00	11.28	0.00
81.7	144.10	0.00	6.38	0.00	45.80	47.81	13.31	13.26	0.79	0.00	9.63	0.00
81.8	139.59	0.00	9.11	0.00	30.51	36.40	11.81	11.53	0.98	0.00	15.35	0.00
81.9	188.21	0.00	7.07	0.00	40.70	38.47	13.53	12.70	0.00	0.00	0.00	0.00
82	208.51	0.03	10.34	6.29	68.53	52.65	16.74	15.13	0.00	0.00	0.00	0.00
82.1	179.70	0.00	11.72	0.00	53.70	53.65	13.50	13.76	0.00	0.00	0.00	0.00
82.2	110.95	0.43	11.92	3.34	26.39	36.66	12.17	11.68	1.04	0.00	4.76	0.00
82.3	138.09	0.00	7.73	0.00	30.74	30.55	13.56	13.04	1.76	0.18	6.47	4.98
82.4	152.78	1.98	11.30	8.76	26.76	31.33	13.55	13.45	0.90	1.06	7.59	37.68
82.5	151.45	0.42	11.68	6.01	39.67	40.11	18.02	16.98	1.17	0.89	14.49	15.67
82.6	107.86	1.72	6.63	7.31	16.29	17.54	15.68	14.69	0.00	0.00	0.00	0.00
82.7	94.35	15.82	6.41	5.80	13.55	16.06	9.43	9.11	1.44	0.04	10.48	12.57
82.8	107.95	0.00	5.66	0.00	14.00	16.81	8.54	8.50	1.93	0.39	16.03	10.80
82.9	96.66	0.00	9.94	0.00	32.79	40.21	11.47	11.64	0.00	0.00	0.00	0.00
83	217.63	0.00	7.98	0.00	33.33	36.29	11.96	11.75	0.00	0.00	0.00	0.00
83.1	123.66	0.16	7.66	8.44	27.27	39.35	16.08	15.40	0.00	0.00	0.00	0.00
83.2	176.38	0.52	10.56	2.67	40.22	42.11	14.19	13.34	0.00	0.00	0.00	0.00
83.3	188.32	0.00	11.83	0.00	64.61	64.32	13.52	13.37	1.17	0.43	14.32	12.00
83.4	149.92	0.00	6.74	0.00	48.52	47.29	14.64	14.70	0.51	0.00	6.09	0.00
83.5	189.83	0.91	16.76	11.18	39.03	42.69	15.66	15.38	0.00	0.00	0.00	0.00
83.6	176.95	0.56	7.40	4.57	30.48	28.78	13.18	13.20	0.00	0.00	0.00	0.00
83.7	238.36	22.65	18.41	16.98	13.64	14.92	23.55	25.16	4.50	1.40	29.20	14.71
83.8	249.55	21.67	13.37	13.08	8.90	1.49	15.98	5.33	5.15	1.14	15.23	15.49
83.9	253.63	4.94	14.17	6.57	1.00	0.40	3.31	4.07	2.64	0.60	7.24	4.45

84	231.06	0.63	13.27	4.97	0.76	1.02	7.88	12.31	2.38	0.38	8.05	5.28
84.1	195.04	9.16	13.23	13.60	0.67	1.11	19.20	10.76	2.17	0.61	3.56	5.35
84.2	106.53	8.82	12.71	16.21	1.90	0.77	11.18	11.79	0.51	0.49	6.65	4.76
84.3	211.62	2.42	13.92	15.38	0.86	0.00	14.16	0.00	0.10	0.42	2.21	3.32
84.4	188.83	0.20	13.11	11.05	0.00	0.00	0.00	0.00	0.53	0.00	7.26	0.00
84.5	221.39	62.18	14.09	18.44	10.43	8.90	16.21	15.27	7.43	6.76	15.43	15.53
84.6	221.40	57.90	14.29	16.84	15.77	8.74	16.82	13.92	10.46	6.55	16.73	18.44
84.7	295.38	36.24	14.67	18.69	12.15	15.91	15.22	16.16	12.00	11.60	15.73	14.62
84.8	255.20	27.44	14.99	17.49	9.91	13.63	17.20	16.50	8.13	8.29	17.00	16.20
84.9	243.63	15.18	16.66	22.19	9.82	10.42	16.38	16.68	2.80	8.35	15.53	17.13
85	258.57	37.48	14.32	17.00	6.95	4.99	15.42	13.28	4.87	5.69	16.90	20.19
85.1	267.45	31.02	16.44	19.44	7.97	11.56	16.68	15.13	5.51	7.85	15.52	17.27
85.2	254.49	78.83	17.00	19.56	11.04	10.66	13.98	14.49	25.82	31.02	16.02	16.43
85.3	244.99	91.27	15.13	19.12	15.23	6.80	14.81	13.86	11.15	13.20	16.77	19.96
85.4	229.12	38.19	14.89	17.09	2.94	4.23	15.27	14.66	6.60	4.63	16.84	19.05
85.5	268.16	25.59	15.57	20.00	2.93	2.20	15.01	13.28	2.35	4.25	14.52	17.50
85.6	202.83	33.49	14.42	14.46	3.55	1.73	19.71	23.33	6.77	2.34	20.39	20.55
85.7	215.62	16.45	13.92	16.36	6.23	1.89	15.37	6.98	6.63	4.38	14.96	14.99
85.8	196.27	60.33	15.49	17.04	6.08	1.58	15.98	10.92	10.24	2.28	15.15	14.46
85.9	161.70	17.91	14.07	19.62	19.87	16.53	13.48	12.80	4.26	2.34	19.52	18.43
86	177.82	16.08	15.49	21.14	0.70	0.58	15.91	11.98	4.22	5.48	15.02	15.05
86.1	233.48	32.14	15.79	21.56	3.42	1.84	15.06	17.66	5.84	4.04	20.59	24.01
86.2	280.62	36.18	15.01	19.97	3.77	2.68	12.59	11.24	2.55	0.38	11.09	12.44
86.3	235.63	25.61	15.32	17.36	2.73	1.79	8.47	12.20	4.25	6.26	18.09	17.29
86.4	208.82	81.80	16.97	19.99	7.33	4.69	15.67	13.51	7.68	3.88	14.75	16.00
86.5	222.52	67.49	15.37	18.02	3.74	1.98	16.56	14.59	6.43	3.28	13.84	13.84
86.6	256.74	28.75	14.61	15.20	2.67	4.23	12.21	20.49	1.46	0.86	17.97	19.07
86.7	176.18	49.03	14.59	15.29	9.79	5.29	14.24	13.12	8.97	3.92	15.27	15.19
86.8	180.17	52.08	14.40	16.69	12.68	5.86	14.92	14.21	14.10	8.22	14.38	15.94
86.9	118.38	73.69	13.36	16.98	6.28	7.71	16.27	17.09	7.29	7.92	17.40	19.91
87	147.65	55.61	14.06	17.86	6.22	3.99	17.97	16.57	4.31	7.41	12.54	15.70
87.1	165.13	39.76	12.98	17.87	2.00	4.56	16.60	16.39	2.18	3.02	13.88	8.13
87.2	238.26	102.69	13.64	17.58	4.64	8.49	15.82	14.18	4.22	5.53	14.33	16.37
87.3	157.13	52.27	14.00	16.95	5.81	7.13	12.31	12.57	7.04	8.30	13.72	13.19
87.4	88.14	102.66	15.64	16.17	5.13	2.30	14.95	11.03	3.31	4.37	17.94	23.41
87.5	136.44	53.15	15.08	16.76	6.37	3.55	16.92	14.50	6.67	4.32	17.63	14.47
87.6	168.33	39.39	14.83	13.83	5.72	3.34	14.65	12.28	5.56	3.56	9.19	13.59
87.7	192.75	18.92	16.13	17.07	3.64	3.70	15.99	13.08	1.59	2.44	11.38	10.14
87.8	202.79	20.91	16.17	15.86	3.88	4.31	17.21	18.03	3.29	5.19	11.69	17.78
87.9	166.15	120.95	15.31	16.20	8.95	9.87	15.81	13.76	9.71	6.50	13.97	14.80
88	139.51	74.83	16.72	18.95	30.74	28.37	17.74	17.34	10.76	8.09	18.99	24.16
88.1	250.74	62.56	16.66	20.06	14.98	6.94	15.46	14.40	7.50	7.72	16.95	16.60
88.2	197.32	40.98	15.04	19.06	6.12	4.47	16.19	13.26	2.24	1.41	10.52	12.01

88.3	155.24	21.03	13.85	20.78	10.66	4.31	13.83	11.13	3.08	1.68	14.18	11.28
88.4	130.57	76.54	13.78	18.47	7.06	2.15	15.05	12.77	4.77	1.93	19.28	17.95
88.5	187.56	105.42	14.75	17.18	11.57	10.23	16.04	16.26	7.78	3.63	14.97	14.82
88.6	172.61	109.16	15.34	18.75	8.95	16.30	16.86	16.68	9.50	4.54	13.82	13.42
88.7	209.03	74.36	14.77	18.17	3.60	12.10	14.10	13.71	6.43	5.00	14.09	16.73
88.8	128.12	146.76	13.97	18.50	3.84	6.54	14.79	13.35	6.38	6.33	12.79	11.50
88.9	90.70	58.06	11.80	16.59	4.91	5.97	14.78	15.93	2.00	4.03	14.92	9.56
89	178.66	41.78	14.97	16.63	7.09	4.18	16.39	15.69	3.51	6.55	11.69	13.35
89.1	118.35	38.51	14.99	15.24	6.78	3.48	11.95	12.69	4.48	6.30	14.89	18.43
89.2	161.14	22.49	15.26	17.79	3.18	3.89	14.19	13.43	2.52	4.79	15.70	14.32
89.3	133.53	29.51	15.09	17.05	2.90	1.87	17.77	15.04	0.56	1.11	15.91	10.13
89.4	127.51	36.65	12.91	15.36	2.85	1.48	20.46	14.37	1.91	2.46	23.88	12.05
89.5	159.69	21.41	13.86	14.95	5.37	2.22	15.15	8.03	2.49	2.33	16.87	13.12
89.6	161.18	68.50	13.97	17.45	3.16	2.82	17.27	8.51	3.40	2.27	15.40	20.73
89.7	126.18	19.29	12.98	14.27	5.03	5.67	16.27	8.87	4.20	10.01	13.90	16.68
89.8	159.40	30.87	13.72	15.69	5.93	3.53	12.91	6.87	4.89	4.73	12.90	14.54
89.9	156.65	32.22	15.52	15.50	5.06	4.50	15.94	7.53	2.23	6.39	13.46	13.02
90	117.66	72.06	15.78	16.75	2.54	1.17	11.04	4.93	2.33	2.25	7.18	14.31
90.1	173.68	20.45	11.15	12.99	0.00	0.00	0.00	0.00	0.41	0.00	4.62	0.00
90.2	198.23	13.86	13.47	7.50	1.58	0.83	7.62	3.65	1.68	1.61	7.38	10.68
90.3	124.93	42.70	13.49	15.33	1.93	0.00	19.72	0.00	1.50	1.50	10.66	9.98
90.4	191.91	27.32	14.66	15.55	0.00	0.00	0.00	0.00	0.63	1.91	7.99	17.65
90.5	207.06	5.92	14.97	21.43	0.17	0.73	6.43	4.82	0.48	1.55	3.76	13.75
90.6	134.78	15.81	14.98	15.90	0.20	0.79	11.60	17.40	0.11	0.79	6.19	19.09
90.7	172.62	11.55	14.59	18.04	0.90	0.00	7.23	0.00	0.51	0.60	6.65	8.87
90.8	231.69	48.16	15.07	17.71	1.35	1.58	15.76	9.05	0.72	3.88	13.38	14.96
90.9	148.17	78.48	14.90	17.95	0.98	0.69	19.41	8.63	2.81	6.73	11.68	18.31
91	164.85	18.87	13.79	15.77	2.19	1.89	13.54	8.47	0.90	0.60	7.91	10.00
91.1	113.18	26.54	12.91	16.59	1.03	2.93	12.18	13.82	5.15	3.47	13.58	14.70
91.2	101.36	19.46	14.62	15.92	2.53	4.42	15.33	11.45	2.58	1.37	11.24	12.97
91.3	114.51	57.33	13.24	17.07	4.20	2.32	12.52	6.38	4.11	4.54	13.00	7.05
91.4	182.22	18.58	14.81	15.12	1.31	2.89	9.49	7.12	2.79	0.47	11.39	6.61
91.5	139.38	34.83	13.18	15.26	3.20	2.69	16.95	14.11	0.52	2.34	12.10	14.50
91.6	164.13	24.49	15.49	16.52	3.26	3.84	15.41	15.95	2.21	3.14	12.94	6.46
91.7	131.94	14.16	14.20	13.81	0.32	1.16	10.93	7.74	1.10	0.42	14.49	7.99
91.8	150.35	16.50	13.38	16.86	0.50	0.00	2.99	0.00	1.57	0.88	11.10	10.55
91.9	95.75	13.35	11.15	15.46	2.09	1.12	14.43	9.84	5.63	1.48	7.64	6.52
92	144.15	10.34	13.99	14.24	2.48	1.36	12.15	9.90	5.74	2.22	11.43	14.82
92.1	181.74	10.77	14.49	17.26	1.06	2.35	16.08	14.79	1.33	0.94	12.35	14.80
92.2	186.35	2.96	13.03	17.65	1.54	1.63	11.74	8.00	1.87	0.21	9.15	8.99
92.3	91.35	25.12	14.05	8.57	2.00	1.87	12.65	6.67	2.71	4.59	8.52	12.58
92.4	91.44	21.83	9.76	6.85	0.49	0.00	3.50	0.00	4.55	3.06	11.38	7.50
92.5	136.40	8.19	11.94	9.48	1.41	0.27	13.94	12.79	1.05	0.00	7.28	0.00

92.6	163.69	12.16	14.67	13.55	1.02	0.40	9.58	9.39	0.91	0.00	4.16	0.00
92.7	120.12	4.99	13.30	5.20	0.60	0.37	6.91	5.32	0.41	0.42	7.85	4.80
92.8	172.95	6.20	12.76	18.34	0.36	0.00	2.48	0.00	1.07	0.14	10.24	10.56
92.9	140.68	12.08	12.98	10.10	0.58	0.75	6.94	9.02	0.00	0.51	0.00	6.16
93	103.26	10.87	11.24	14.75	0.12	0.37	2.94	4.41	1.07	1.48	6.70	4.81
93.1	124.62	27.09	12.24	19.39	0.11	0.35	3.08	4.61	0.99	3.63	9.83	15.69
93.2	75.87	47.54	13.69	17.15	0.76	0.73	8.63	7.38	2.17	2.58	10.64	16.57
93.3	121.74	23.96	13.61	15.99	1.97	2.93	13.85	14.51	0.00	0.00	0.00	0.00
93.4	117.72	33.34	13.16	14.81	3.40	0.78	10.42	8.01	2.27	1.65	11.39	15.64
93.5	131.64	18.60	12.75	16.02	0.63	0.69	6.40	11.21	1.17	0.45	5.09	7.62
93.6	141.87	29.54	14.26	14.89	3.25	1.93	17.03	12.13	2.79	1.84	12.46	18.06
93.7	117.54	82.42	16.23	17.19	7.92	0.35	12.17	6.48	5.35	2.77	23.20	17.48
93.8	150.47	46.73	16.70	16.88	3.98	3.06	14.23	14.03	2.65	3.68	11.73	8.55
93.9	138.47	28.80	16.15	16.64	2.43	2.71	14.59	6.75	3.37	2.16	12.88	19.41
94	108.29	9.84	12.26	15.59	5.46	6.23	14.95	8.20	2.87	2.34	14.84	12.11
94.1	121.32	16.96	15.24	16.96	5.30	2.58	15.68	8.63	2.14	2.32	12.42	12.78
94.2	96.99	19.22	15.73	17.46	2.83	1.39	12.71	5.40	6.12	3.69	9.45	15.17
94.3	68.51	67.50	12.49	16.18	3.65	0.37	12.11	6.63	4.88	1.75	12.12	16.09
94.4	103.83	51.53	13.42	15.69	2.68	2.31	14.26	16.91	1.69	3.03	9.90	6.93
94.5	157.64	37.85	13.77	17.10	2.49	3.22	18.08	7.99	4.25	4.38	15.55	7.51
94.6	166.29	48.82	13.83	15.87	1.98	3.94	15.25	12.25	1.08	2.78	12.07	12.36
94.7	140.09	33.58	12.98	13.71	4.41	4.48	15.17	19.97	3.33	2.52	10.07	6.32
94.8	143.78	71.84	14.62	20.88	3.68	3.70	17.48	15.91	4.37	7.98	17.14	21.52
94.9	173.71	109.18	14.60	19.76	5.12	7.45	18.80	19.35	6.92	12.15	18.65	18.14
95	182.55	107.76	17.23	16.80	4.38	4.83	10.51	14.92	8.45	5.84	10.16	13.39
95.1	199.26	86.20	17.78	16.03	2.72	3.93	22.35	21.67	6.75	7.96	17.42	19.20
95.2	201.86	103.62	16.78	16.95	2.34	3.47	22.65	22.91	5.16	9.88	28.67	21.30
95.3	196.90	84.25	16.28	16.21	1.65	3.16	21.62	19.71	0.94	3.06	15.85	18.99
95.4	174.79	98.93	19.67	18.05	1.58	2.70	22.99	24.30	2.07	6.65	9.37	14.88
95.5	166.37	68.99	18.36	16.41	1.06	3.59	23.95	20.44	4.14	5.38	11.43	16.56
95.6	152.56	80.12	17.12	15.40	1.24	1.01	5.31	16.72	6.24	7.49	12.25	15.05
95.7	53.78	61.99	13.69	15.71	1.51	3.13	17.77	19.47	0.24	2.77	5.88	19.41
95.8	50.75	23.42	11.51	17.46	0.08	0.37	4.82	7.23	0.42	0.00	5.99	0.00
95.9	66.71	67.71	13.76	15.45	0.16	0.81	8.73	13.10	1.46	3.28	18.37	20.38
96	60.84	31.04	13.41	14.37	0.13	0.37	5.63	8.44	9.37	9.25	18.45	19.89
96.1	149.12	46.51	13.03	7.85	0.59	0.77	8.52	6.65	6.10	3.45	18.44	23.25
96.2	117.97	53.15	12.38	16.49	0.50	0.00	13.48	0.00	1.00	1.14	17.93	28.01
96.3	166.28	23.29	15.49	7.61	0.24	2.40	13.26	20.16	1.10	1.05	9.34	16.89
96.4	127.15	5.42	10.06	6.96	1.69	3.93	18.29	18.44	0.98	1.25	5.63	9.65
96.5	29.04	0.00	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.6	4.37	0.00	4.36	0.00	0.00	0.00	0.00	0.00	0.45	0.38	12.26	12.64
96.7	29.16	0.44	13.31	9.89	0.00	0.00	0.00	0.00	0.99	0.00	5.31	0.00
96.8	33.21	3.20	15.94	17.77	0.00	0.00	0.00	0.00	0.52	0.41	10.84	16.26

96.9	129.41	10.26	15.78	17.38	0.01	0.42	2.76	4.14	0.61	1.36	7.17	22.73
97	142.72	59.06	13.95	20.30	0.19	1.20	3.76	11.08	0.16	8.47	7.51	18.87
97.1	203.05	53.36	15.24	18.21	0.67	1.13	19.51	13.21	2.49	8.29	21.37	18.96
97.2	232.21	88.46	16.08	18.83	0.14	0.79	9.11	6.84	1.27	4.20	4.58	14.88
97.3	199.51	47.84	15.94	18.33	0.31	1.13	7.62	26.60	1.18	5.16	11.84	26.71
97.4	181.91	37.65	14.21	16.53	0.08	0.42	3.03	4.55	0.83	5.88	10.01	18.78
97.5	156.50	10.48	11.85	14.35	0.46	0.00	4.29	0.00	0.00	0.00	0.00	0.00
97.6	144.54	5.37	12.72	14.26	0.00	0.00	0.00	0.00	0.00	0.52	0.00	4.43
97.7	200.86	13.77	16.39	11.96	0.06	0.42	3.70	5.55	1.29	1.67	8.75	13.62
97.8	113.83	33.08	14.61	13.02	0.15	1.28	7.43	11.14	0.82	1.18	9.01	6.40
97.9	104.48	6.11	15.67	7.75	0.00	0.00	0.00	0.00	0.00	0.39	0.00	6.44
98	175.25	15.41	11.59	17.87	0.00	0.00	0.00	0.00	0.51	0.53	11.92	21.91
98.1	157.17	10.46	20.61	10.58	0.27	1.07	8.23	6.49	1.23	1.50	15.90	11.55
98.2	104.46	4.02	10.40	11.56	0.10	0.36	4.51	6.77	0.00	0.00	0.00	0.00
98.3	179.05	4.55	14.41	12.20	0.35	2.47	6.94	10.42	0.07	0.45	4.07	6.11
98.4	76.55	21.25	4.90	7.83	0.00	0.00	0.00	0.00	0.56	0.00	4.14	0.00
98.5	124.29	42.77	15.09	19.33	1.25	0.00	6.10	0.00	0.00	0.00	0.00	0.00
98.6	113.68	21.22	11.07	16.98	0.14	0.71	4.98	7.47	0.00	1.01	0.00	11.22
98.7	151.91	40.89	12.52	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.8	103.71	56.65	8.02	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.9	211.83	17.40	13.48	5.64	0.00	0.00	0.00	0.00	0.15	0.40	6.42	9.62
99	101.66	16.99	11.53	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.1	125.47	2.45	12.76	4.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.2	99.96	25.30	11.53	4.81	0.00	0.00	0.00	0.00	0.06	0.38	9.13	13.70
99.3	89.75	38.76	11.45	9.07	0.53	0.42	7.10	4.77	1.00	1.49	3.60	13.17
99.4	118.62	58.05	12.82	15.47	0.00	0.00	0.00	0.00	0.48	0.00	1.87	0.00
99.5	151.20	58.16	11.99	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.6	99.37	103.58	7.13	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.7	189.16	99.89	8.94	13.10	0.00	0.00	0.00	0.00	0.99	0.00	4.80	0.00
99.8	96.06	98.13	11.79	18.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.9	122.23	129.53	10.99	13.08	0.00	0.00	0.00	0.00	0.44	0.00	6.85	0.00
100	173.69	119.57	13.09	14.95	0.00	0.00	0.00	0.00	0.66	1.44	13.92	9.85
100.1	136.75	140.10	12.57	22.45	0.00	0.00	0.00	0.00	0.13	4.11	4.88	22.73
100.2	108.32	134.62	9.47	15.18	1.02	0.39	3.86	4.49	0.00	4.51	0.00	6.82
100.3	92.95	130.96	11.96	17.67	0.21	1.21	11.13	8.80	1.07	0.42	2.76	7.73
100.4	124.75	131.54	8.91	10.40	0.50	0.00	4.06	0.00	0.59	0.55	4.02	8.79
100.5	93.72	140.28	11.38	18.42	0.49	0.00	2.86	0.00	0.00	0.99	0.00	26.23
100.6	132.61	82.83	12.83	15.68	0.00	0.00	0.00	0.00	0.33	0.24	4.13	6.19
100.7	158.64	107.12	8.49	8.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.8	120.83	93.19	12.25	20.19	0.00	0.00	0.00	0.00	0.99	0.96	3.75	10.61
100.9	218.34	26.60	11.62	17.11	0.00	0.00	0.00	0.00	0.61	1.91	5.04	5.98
101	184.69	11.30	12.92	5.62	0.00	0.00	0.00	0.00	1.26	2.80	8.46	12.52
101.1	128.42	11.43	10.21	10.35	0.12	0.85	4.60	6.90	0.00	0.45	0.00	7.72

101.2	149.14	37.19	13.61	6.81	0.00	0.00	0.00	0.00	0.41	0.00	4.80	0.00
101.3	146.81	24.43	8.44	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.4	121.56	89.51	7.49	8.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.5	126.80	5.64	8.20	4.64	0.00	0.00	0.00	0.00	0.41	0.00	4.73	0.00
101.6	105.86	32.35	8.72	7.52	0.39	0.00	4.74	0.00	0.00	0.00	0.00	0.00
101.7	79.86	58.06	8.34	8.84	0.00	0.00	0.00	0.00	0.33	0.09	4.20	6.31
101.8	114.97	4.22	13.60	7.58	0.00	0.00	0.00	0.00	0.00	1.61	0.00	5.85
101.9	82.31	12.50	11.80	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	92.54	43.62	10.26	15.37	0.00	0.42	0.00	8.03	0.00	0.00	0.00	0.00
102.1	58.16	34.05	7.38	15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.2	81.64	17.46	11.88	8.84	0.00	0.34	0.00	10.24	0.00	0.49	0.00	6.01
102.3	77.00	28.39	6.11	16.86	0.10	0.36	8.94	13.41	0.00	0.50	0.00	4.27
102.4	96.96	36.53	7.62	7.60	0.00	0.00	0.00	0.00	0.51	0.92	9.88	14.32
102.5	126.99	21.67	11.85	12.77	0.00	0.00	0.00	0.00	1.72	1.58	9.00	13.18
102.6	61.74	28.05	12.49	15.49	0.00	0.00	0.00	0.00	0.57	0.87	3.13	27.48
102.7	67.66	9.29	8.97	6.03	0.00	0.00	0.00	0.00	1.81	0.24	8.22	8.06
102.8	54.89	14.89	12.47	14.63	0.00	0.00	0.00	0.00	0.36	0.17	5.66	8.49
102.9	131.59	27.37	10.71	19.89	0.00	0.00	0.00	0.00	2.25	1.54	5.48	8.22
103	63.81	59.94	8.85	19.12	0.00	0.00	0.00	0.00	0.00	0.42	0.00	5.40
103.1	49.49	70.11	13.17	8.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.2	45.99	14.89	11.66	21.65	0.00	0.00	0.00	0.00	1.03	0.56	5.30	12.74
103.3	55.67	11.52	12.78	7.01	0.00	0.00	0.00	0.00	0.06	0.89	3.51	5.78
103.4	52.22	15.26	8.93	29.53	0.97	0.00	6.26	0.00	0.94	0.87	4.77	9.50
103.5	112.05	0.39	8.17	4.89	0.00	0.00	0.00	0.00	0.52	0.00	2.39	0.00
103.6	88.63	5.36	11.87	12.26	0.00	0.75	0.00	7.81	0.00	0.00	0.00	0.00
103.7	135.88	3.08	12.64	4.49	0.79	1.55	14.34	10.61	0.53	0.91	18.10	9.91
103.8	77.34	0.21	9.51	8.39	0.00	0.00	0.00	0.00	1.57	0.82	3.28	3.24
103.9	101.43	6.06	12.44	14.40	0.00	0.00	0.00	0.00	0.56	0.00	2.80	0.00
104	93.13	4.49	12.93	6.36	0.50	0.00	4.25	0.00	0.15	0.49	3.29	4.94
104.1	97.42	0.00	9.62	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.00	16.19
104.2	93.64	0.00	8.31	0.00	0.00	0.00	0.00	0.00	0.09	0.43	4.18	6.27
104.3	119.33	0.00	12.60	0.00	0.07	0.43	5.66	8.50	0.00	0.00	0.00	0.00
104.4	190.02	1.33	8.97	20.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.5	92.80	2.05	8.65	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.6	74.24	7.78	9.48	8.31	0.12	0.36	4.19	6.29	0.00	0.81	0.00	9.96
104.7	112.75	2.94	10.59	14.59	0.19	0.73	8.60	12.90	0.00	0.00	0.00	0.00
104.8	15.22	11.55	9.51	12.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.9	56.07	0.91	10.96	9.68	0.00	0.00	0.00	0.00	1.04	0.00	4.74	0.00
105	112.26	1.85	13.30	9.29	13.79	13.80	18.55	19.02	0.65	1.52	6.50	15.83
105.1	147.64	5.70	12.27	19.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.2	106.96	2.60	8.69	10.43	0.00	0.00	0.00	0.00	0.61	0.37	4.85	7.42
105.3	126.43	12.23	13.84	15.45	0.00	0.00	0.00	0.00	0.36	1.97	6.47	12.91
105.4	122.22	23.44	15.32	20.15	0.45	0.44	14.85	16.00	1.46	6.67	13.09	18.30

105.5	61.20	4.61	7.84	22.52	0.00	0.00	0.00	0.00	0.00	1.13	0.00	16.25
105.6	98.70	12.97	11.99	13.73	0.06	0.36	4.82	7.24	0.08	1.91	5.70	7.05
105.7	67.73	16.77	9.25	19.37	0.05	0.40	10.95	16.43	1.34	1.94	3.47	6.63
105.8	86.19	22.47	9.16	14.77	0.00	0.00	0.00	0.00	0.39	0.00	3.51	0.00
105.9	63.07	14.48	14.57	16.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	46.88	9.98	9.33	12.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.1	56.99	6.11	10.05	19.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.2	65.62	57.52	13.57	12.12	0.00	0.00	0.00	0.00	0.49	0.00	3.70	0.00
106.3	76.85	36.74	11.61	18.16	0.00	0.00	0.00	0.00	0.05	1.28	5.13	8.28
106.4	49.64	3.83	13.13	17.03	0.00	0.00	0.00	0.00	0.55	1.15	4.99	16.29
106.5	41.66	16.90	14.30	16.77	0.00	0.00	0.00	0.00	0.27	0.74	3.49	10.48
106.6	17.98	39.90	15.94	15.07	2.33	1.15	12.47	16.46	0.00	0.00	0.00	0.00
106.7	33.17	17.28	4.34	19.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.8	16.11	6.50	8.65	18.69	0.00	0.00	0.00	0.00	1.70	2.77	7.31	11.34
106.9	43.85	10.56	16.97	16.16	0.00	0.41	0.00	9.47	1.24	1.47	3.88	13.66
107	111.63	15.75	12.61	15.94	0.00	0.00	0.00	0.00	2.40	3.55	15.13	18.79
107.1	111.07	24.79	12.90	18.61	0.27	1.21	10.13	8.57	2.21	1.24	15.56	11.45
107.2	103.58	46.39	14.86	18.49	0.47	0.00	3.34	0.00	0.46	4.38	8.54	23.70
107.3	202.29	8.57	14.40	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.4	195.43	4.77	12.48	11.57	0.04	0.42	3.58	5.37	0.00	0.00	0.00	0.00
107.5	213.48	20.55	15.58	17.93	0.26	1.09	6.11	8.42	0.89	2.21	9.75	19.25
107.6	151.89	13.64	13.20	16.00	0.80	1.06	16.20	7.84	0.91	0.51	4.89	9.99
107.7	138.47	32.21	12.23	17.94	0.00	0.00	0.00	0.00	0.00	0.47	0.00	12.15
107.8	180.81	30.06	12.98	21.28	0.00	0.40	0.00	8.07	0.00	2.50	0.00	16.36
107.9	142.67	63.24	15.82	19.05	0.42	1.96	9.27	6.94	0.62	5.45	18.58	20.71
108	113.58	70.08	13.55	16.65	0.89	0.43	9.28	10.85	1.85	0.88	10.38	7.57
108.1	74.15	88.35	15.71	18.50	1.47	0.23	8.01	9.88	2.98	7.31	11.75	16.05
108.2	104.39	87.81	16.69	19.05	0.58	0.37	9.96	8.90	2.45	6.05	18.21	17.85
108.3	96.16	20.94	15.78	16.93	0.00	0.00	0.00	0.00	0.48	0.96	5.13	18.57
108.4	86.76	7.94	9.83	14.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.5	166.40	2.54	13.73	8.51	0.87	0.00	6.15	0.00	0.00	0.00	0.00	0.00
108.6	214.33	0.77	16.13	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.7	182.04	13.30	13.67	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.8	114.71	20.22	10.72	19.22	0.46	0.28	5.45	8.25	0.00	0.00	0.00	0.00
108.9	196.76	1.23	15.45	14.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	125.13	24.97	19.80	20.66	0.00	0.00	0.00	0.00	0.21	3.70	10.78	8.40
109.1	178.03	25.68	14.67	21.13	0.13	0.37	4.57	6.85	0.69	1.57	10.82	31.09
109.2	238.05	5.99	13.60	18.89	0.06	0.42	3.60	5.40	0.86	0.95	8.11	16.37
109.3	210.63	2.21	13.97	10.23	0.49	0.42	9.24	5.10	1.11	1.55	5.52	21.60
109.4	132.59	9.22	13.22	19.81	0.00	0.00	0.00	0.00	0.69	0.52	2.91	4.37
109.5	130.43	4.93	12.69	14.97	0.00	0.00	0.00	0.00	0.15	1.60	6.17	11.46
109.6	94.43	2.13	14.97	16.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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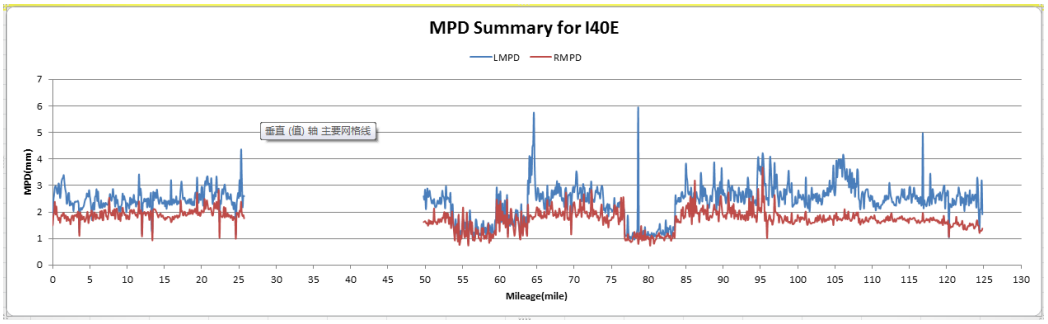
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110	113.13	0.76	14.41	7.48	0.00	0.00	0.00	0.00	0.45	0.15	3.77	5.65
110.1	101.23	7.39	14.18	16.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.2	109.22	0.00	7.82	0.00	0.00	0.43	0.00	5.79	0.00	0.39	0.00	4.20
110.3	64.38	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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110.5	23.85	1.72	12.45	9.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.6	21.97	0.00	9.04	0.00	0.94	0.00	10.06	0.00	0.00	0.00	0.00	0.00
110.7	69.79	0.00	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.8	48.94	4.11	8.67	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.9	57.74	0.53	8.00	4.27	0.00	0.00	0.00	0.00	0.10	0.50	4.02	6.03
111	110.18	0.00	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.1	95.77	0.38	8.76	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.2	96.37	0.93	9.36	7.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.3	73.26	15.99	6.24	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.4	108.13	0.00	11.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.5	113.32	0.42	11.44	5.63	0.00	0.00	0.00	0.00	0.46	0.00	2.90	0.00
111.6	58.35	0.00	7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.7	22.33	0.52	7.04	2.64	0.00	0.00	0.00	0.00	0.54	0.00	9.95	0.00
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111.9	38.81	3.93	6.38	10.11	0.07	0.42	6.72	10.08	0.00	0.00	0.00	0.00
112	36.90	2.23	7.76	14.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.1	60.19	17.96	13.59	15.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.2	68.81	12.30	5.97	19.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.3	45.98	6.89	8.39	16.08	0.00	0.00	0.00	0.00	0.00	0.56	0.00	8.95
112.4	106.13	1.06	13.58	6.85	0.14	1.21	3.31	5.57	0.57	1.11	4.77	4.21
112.5	78.96	0.53	8.56	5.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.6	112.35	0.27	11.87	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.7	123.02	35.36	13.98	18.41	27.41	22.02	17.79	17.96	0.71	0.39	6.24	9.36
112.8	43.23	16.55	6.49	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.9	67.91	11.27	12.68	6.12	0.52	0.00	6.04	0.00	0.00	0.00	0.00	0.00
113	103.96	1.41	11.54	13.93	0.00	0.00	0.00	0.00	0.42	0.00	3.64	0.00
113.1	69.39	5.42	9.62	17.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.2	94.64	9.87	10.96	9.66	0.98	0.00	9.69	0.00	0.00	0.00	0.00	0.00
113.3	73.08	0.97	9.16	3.90	0.64	0.75	21.78	32.67	0.00	0.00	0.00	0.00
113.4	129.89	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.5	126.55	0.00	11.44	0.00	0.12	0.36	5.67	8.50	0.00	0.00	0.00	0.00
113.6	155.20	10.99	9.08	7.44	0.10	0.37	6.70	10.04	0.00	0.00	0.00	0.00
113.7	180.49	4.38	12.06	11.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.8	192.13	0.53	14.87	3.15	0.42	0.00	4.38	0.00	0.00	0.00	0.00	0.00
113.9	169.89	18.91	8.21	6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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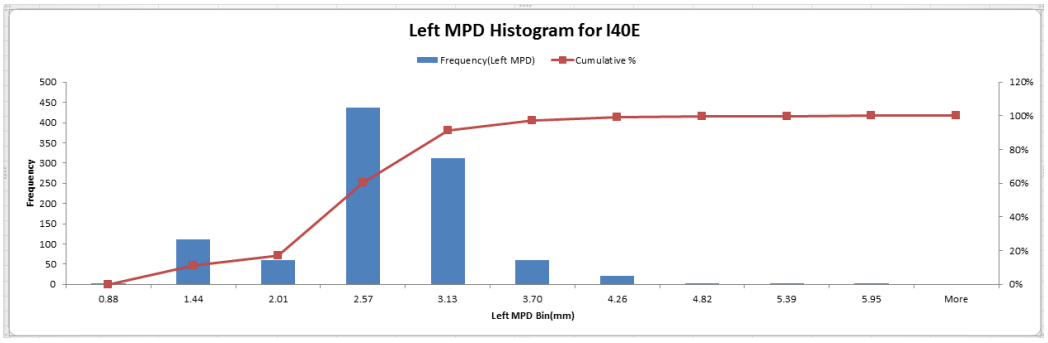
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114.3	154.95	0.00	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	7.40
114.4	194.80	33.69	12.80	18.88	0.00	0.00	0.00	0.00	0.00	0.43	0.00	20.75
114.5	222.68	0.36	13.17	6.63	0.00	0.34	0.00	8.12	1.13	0.36	5.50	9.88
114.6	190.42	9.77	8.42	12.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114.7	210.49	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114.8	185.51	0.00	11.40	0.00	0.00	0.00	0.00	0.00	0.56	0.41	5.62	6.31
114.9	116.20	0.00	14.06	0.00	0.00	0.00	0.00	0.00	0.08	0.43	3.06	4.59
115	93.97	0.00	7.28	0.00	0.00	0.00	0.00	0.00	0.55	0.00	2.31	0.00
115.1	200.34	0.00	12.73	0.00	0.07	0.41	2.95	4.42	0.00	0.60	0.00	8.72
115.2	240.05	0.34	14.41	10.73	0.00	0.00	0.00	0.00	0.53	0.00	5.09	0.00
115.3	188.39	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.61	0.00	4.68	0.00
115.4	128.39	0.00	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.5	152.06	0.39	12.67	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.6	197.89	1.43	7.74	3.85	0.00	0.00	0.00	0.00	0.54	0.00	2.67	0.00
115.7	192.09	0.68	9.37	8.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.8	133.08	1.00	8.89	9.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.9	78.38	0.00	7.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	150.61	3.97	13.32	13.85	0.05	0.85	5.60	14.50	1.19	1.47	10.21	9.38
116.1	211.53	0.00	9.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.2	138.04	0.04	8.59	14.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.3	182.83	0.00	8.03	0.00	0.00	0.00	0.00	0.00	0.50	0.00	3.09	0.00
116.4	179.56	1.37	11.98	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.5	169.52	0.00	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.6	177.57	6.90	8.03	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.7	216.21	0.00	8.78	0.00	0.00	0.00	0.00	0.00	0.60	0.00	5.60	0.00
116.8	169.45	1.28	8.80	8.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.9	109.11	0.36	13.29	8.28	0.00	0.00	0.00	0.00	0.06	0.44	5.96	8.94
117	167.14	0.46	11.73	10.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.1	81.62	6.76	8.24	10.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.2	123.66	3.66	14.18	16.01	0.12	0.37	4.35	6.53	0.10	1.75	7.47	19.45
117.3	143.59	0.23	7.44	6.43	0.00	0.00	0.00	0.00	0.25	0.19	11.46	17.19
117.4	196.05	12.66	7.63	7.26	0.00	0.00	0.00	0.00	0.00	0.57	0.00	12.02
117.5	58.34	44.02	11.58	13.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.6	92.75	0.00	6.39	0.00	0.07	0.42	4.38	6.58	0.00	0.00	0.00	0.00
117.7	204.10	1.49	11.41	14.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.8	174.33	0.65	14.25	22.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.9	106.76	5.39	7.17	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	14.29	32.67	9.59	6.56	0.00	0.00	0.00	0.00	0.75	0.24	6.43	3.32
118.1	68.44	6.51	16.89	3.91	0.00	0.00	0.00	0.00	1.05	0.00	2.07	0.00
118.2	121.59	3.57	8.04	6.08	0.00	0.00	0.00	0.00	0.23	0.74	8.92	26.75
118.3	156.30	0.57	12.43	16.91	0.02	0.42	7.41	11.11	0.00	0.00	0.00	0.00

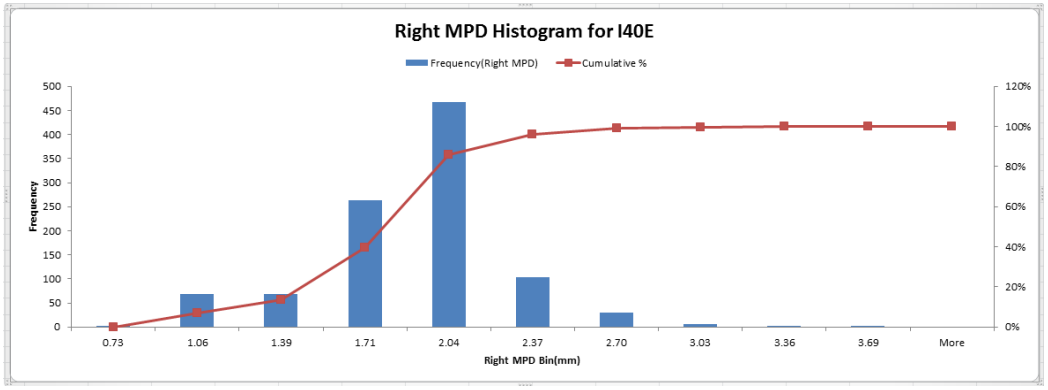
118.4	133.01	2.99	7.02	11.22	0.07	0.44	14.87	22.30	0.00	0.00	0.00	0.00
118.5	125.06	4.85	8.32	9.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118.6	177.77	1.43	11.17	30.63	0.07	0.42	2.87	4.30	0.00	0.00	0.00	0.00
118.7	139.23	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.56	0.00	6.37	0.00
118.8	136.38	1.30	10.07	5.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118.9	131.91	5.33	7.93	6.02	0.17	0.78	11.30	8.48	0.00	0.37	0.00	7.38
119	104.35	0.37	10.98	4.20	0.50	0.00	3.47	0.00	0.06	0.74	5.04	19.48
119.1	195.16	5.54	16.44	18.15	0.62	1.59	13.54	13.46	1.43	0.83	5.55	16.49
119.2	244.45	0.00	14.47	0.00	0.11	0.37	3.11	4.67	0.57	0.00	10.64	0.00
119.3	263.51	8.26	13.99	10.23	0.08	0.81	3.70	5.66	0.00	0.00	0.00	0.00
119.4	262.89	0.46	14.10	5.29	0.08	0.36	3.86	5.78	0.04	0.40	4.15	6.23
119.5	276.33	0.00	9.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119.6	234.39	0.00	10.40	0.00	0.08	0.41	2.98	4.46	0.00	0.00	0.00	0.00
119.7	256.04	0.00	11.65	0.00	0.00	0.00	0.00	0.00	0.67	0.00	4.63	0.00
119.8	207.67	49.95	15.74	9.41	0.08	1.22	8.18	13.26	0.00	0.00	0.00	0.00
119.9	230.71	0.00	10.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	202.43	0.36	14.45	8.59	0.00	0.00	0.00	0.00	0.88	0.00	11.86	0.00
120.1	214.42	0.60	15.52	8.79	0.34	2.00	7.62	11.43	0.00	0.00	0.00	0.00
120.2	247.00	2.28	16.20	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.3	224.31	0.00	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.4	118.87	0.00	10.80	0.00	3.87	4.29	13.80	12.23	1.52	1.67	16.98	7.52
120.5	96.21	4.61	14.53	11.32	5.45	8.01	11.58	11.04	0.55	0.45	9.91	8.32
120.6	224.59	6.13	14.79	9.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.7	179.26	13.20	14.41	9.13	0.00	0.00	0.00	0.00	0.39	0.00	17.46	0.00
120.8	263.68	0.09	13.75	14.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.9	279.28	0.00	13.53	0.00	0.00	0.00	0.00	0.00	0.35	0.00	5.84	0.00
121	267.89	0.00	10.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.1	235.54	0.26	10.94	6.68	0.00	0.00	0.00	0.00	0.55	0.00	2.57	0.00
121.2	215.84	0.36	8.23	10.83	0.49	0.00	7.43	0.00	0.00	0.00	0.00	0.00
121.3	255.20	2.92	12.07	15.00	0.08	0.42	2.75	4.12	0.00	0.00	0.00	0.00
121.4	154.30	2.65	12.40	24.73	0.00	0.00	0.00	0.00	0.56	0.00	6.05	0.00
121.5	105.75	37.93	14.98	17.79	0.48	0.00	6.55	0.00	0.00	0.00	0.00	0.00
121.6	217.10	1.48	13.09	4.42	0.00	0.00	0.00	0.00	0.43	0.00	7.91	0.00
121.7	270.87	0.00	13.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.8	241.67	0.47	14.53	9.26	0.13	0.24	11.33	16.99	1.07	0.00	23.43	0.00
121.9	204.52	9.72	14.93	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	202.31	0.75	11.82	6.86	0.07	0.43	5.62	8.43	0.00	0.00	0.00	0.00
122.1	165.48	0.00	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.2	160.02	2.10	13.68	7.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.3	134.57	8.61	11.41	18.74	0.64	0.78	21.10	11.97	0.00	0.00	0.00	0.00
122.4	193.96	0.00	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	107.79	51.68	13.15	11.18	1.33	0.32	5.83	2.94	0.00	0.00	0.00	0.00
122.6	107.37	3.28	8.34	4.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

122.7	171.59	1.29	11.35	6.93	0.00	0.00	0.00	0.00	0.56	0.01	6.32	9.48
122.8	135.26	0.00	9.92	0.00	0.00	0.00	0.00	0.00	0.65	0.44	3.53	5.29
122.9	145.99	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	210.76	0.35	12.54	6.96	0.00	0.00	0.00	0.00	0.33	0.87	2.27	3.41
123.1	202.42	0.00	11.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.2	207.40	0.00	12.19	0.00	0.00	0.00	0.00	0.00	0.56	0.01	7.80	11.70
123.3	230.36	0.38	13.38	8.22	0.00	0.00	0.00	0.00	0.50	0.00	8.27	0.00
123.4	261.59	3.47	11.90	13.25	0.41	0.00	9.51	0.00	0.00	0.00	0.00	0.00
123.5	218.86	5.92	12.92	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.6	225.49	0.10	13.46	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.7	213.88	3.37	13.09	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.8	199.44	0.00	11.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.9	121.14	0.00	11.31	0.00	0.86	1.92	16.56	16.71	0.00	0.00	0.00	0.00
124	2.72	0.00	6.42	0.00	0.00	0.00	0.00	0.00	1.04	0.00	9.49	0.00
124.1	144.89	0.00	10.74	0.00	0.39	0.00	7.35	0.00	0.00	0.00	0.00	0.00
124.2	40.12	96.63	9.52	8.47	0.56	0.41	6.80	10.20	0.00	0.00	0.00	0.00
124.3	53.03	25.76	4.36	7.23	0.49	0.00	6.82	0.00	0.00	0.00	0.00	0.00
124.4	10.65	1.26	4.13	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.5	14.74	11.82	12.83	6.01	11.60	9.13	17.78	16.95	0.11	0.30	5.65	8.47
124.6	53.42	3.67	11.84	5.48	8.78	6.11	17.16	16.55	1.00	0.00	5.01	0.00
124.7	31.70	1.07	7.33	7.88	0.00	0.00	0.00	0.00	2.35	0.37	5.34	9.58
124.8	18.13	3.73	8.57	8.00	0.00	0.00	0.00	0.00	2.23	0.01	5.61	11.40
124.9	57.52	7.52	8.27	10.10	0.00	0.00	0.00	0.00	0.51	0.00	12.23	0.00

MPD Data


MPD Summary for I40E
LMPD
RMPD
垂直 (值) 轴 主要网格线
MPD(mm)
Mileage(mile)


Left MPD Histogram for I40E
Frequency(Left MPD)
Cumulative %
Frequency
0.88
1.44
2.01
2.57
3.13
3.70
4.26
4.82
5.39
5.95
More
Left MPD Bin(mm)


Right MPD Histogram for I40E
Frequency(Right MPD)
Cumulative %
Frequency
0.73
1.06
1.39
1.71
2.04
2.37
2.70
3.03
3.36
3.69
More
Right MPD Bin(mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	85113 / 987	85114 / 304	1.529	1.492
0.1	85183 / 1806	85184 / 1123	2.387	1.841
0.2	85254 / 577	85254 / 1942	2.653	2.034
0.3	85324 / 1396	85325 / 713	2.926	2.392
0.4	85395 / 167	85395 / 1532	2.983	1.908
0.5	85465 / 986	85466 / 303	2.912	2.212
0.6	85535 / 1805	85536 / 1122	2.722	1.88
0.7	85606 / 576	85606 / 1941	2.693	1.798
0.8	85676 / 1395	85677 / 712	3.078	1.69
0.9	85747 / 166	85747 / 1531	2.956	1.786
1	85817 / 985	85818 / 302	2.529	1.59
1.1	85887 / 1804	85888 / 1121	2.713	1.764
1.2	85958 / 575	85958 / 1940	3.143	1.894
1.3	86028 / 1394	86029 / 711	3.254	1.847
1.4	86099 / 165	86099 / 1530	3.301	1.952
1.5	86169 / 984	86170 / 301	3.389	1.963
1.6	86239 / 1803	86240 / 1120	3.094	1.757
1.7	86310 / 574	86310 / 1939	2.856	1.879
1.8	86380 / 1393	86381 / 710	2.713	1.857
1.9	86451 / 164	86451 / 1529	2.313	1.659
2	86521 / 983	86522 / 300	2.389	1.821
2.1	86591 / 1802	86592 / 1119	2.685	1.766
2.2	86662 / 573	86662 / 1938	2.719	1.674
2.3	86732 / 1392	86733 / 709	2.248	1.725
2.4	86803 / 163	86803 / 1528	2.407	1.534
2.5	86873 / 982	86874 / 299	2.272	1.736
2.6	86943 / 1801	86944 / 1118	2.307	1.862
2.7	87014 / 572	87014 / 1937	2.331	1.86
2.8	87084 / 1391	87085 / 708	2.035	1.673
2.9	87155 / 162	87155 / 1527	2.308	1.874
3	87225 / 981	87226 / 298	2.392	1.874
3.1	87295 / 1800	87296 / 1117	2.379	1.85
3.2	87366 / 571	87366 / 1936	2.4	1.915
3.3	87436 / 1390	87437 / 707	2.392	1.793
3.4	87507 / 161	87507 / 1526	2.422	2.025
3.5	87577 / 980	87578 / 297	2.269	1.901
3.6	87647 / 1799	87648 / 1116	1.228	1.103
3.7	87718 / 570	87718 / 1935	2.066	1.973
3.8	87788 / 1389	87789 / 706	2.162	1.702
3.9	87859 / 160	87859 / 1525	2.088	1.876
4	87929 / 979	87930 / 296	2.139	1.727

4.1	87999 / 1798	88000 / 1115	2.181	1.772
4.2	88070 / 569	88070 / 1934	2.244	1.826
4.3	88140 / 1388	88141 / 705	2.383	1.636
4.4	88211 / 159	88211 / 1524	2.489	1.666
4.5	88281 / 978	88282 / 295	2.516	1.752
4.6	88351 / 1797	88352 / 1114	2.707	1.911
4.7	88422 / 568	88422 / 1933	2.602	2.001
4.8	88492 / 1387	88493 / 704	2.583	1.595
4.9	88563 / 158	88563 / 1523	2.829	1.709
5	88633 / 977	88634 / 294	2.581	1.88
5.1	88703 / 1796	88704 / 1113	2.392	1.854
5.2	88774 / 567	88774 / 1932	2.05	2.059
5.3	88844 / 1386	88845 / 703	1.694	2.03
5.4	88915 / 157	88915 / 1522	2.281	1.678
5.5	88985 / 976	88986 / 293	2.351	1.784
5.6	89055 / 1795	89056 / 1112	2.087	1.99
5.7	89126 / 566	89126 / 1931	2.569	1.905
5.8	89196 / 1385	89197 / 702	2.614	1.726
5.9	89267 / 156	89267 / 1521	2.86	1.927
6	89337 / 975	89338 / 292	2.416	1.8
6.1	89407 / 1794	89408 / 1111	2.777	1.765
6.2	89478 / 565	89478 / 1930	2.313	1.778
6.3	89548 / 1384	89549 / 701	2.171	1.742
6.4	89619 / 155	89619 / 1520	2.155	2.029
6.5	89689 / 974	89690 / 291	2.443	1.783
6.6	89759 / 1793	89760 / 1110	2.17	2.049
6.7	89830 / 564	89830 / 1929	2.165	1.704
6.8	89900 / 1383	89901 / 700	2.335	1.692
6.9	89971 / 154	89971 / 1519	2.29	2.069
7	90041 / 973	90042 / 290	2.191	1.98
7.1	90111 / 1792	90112 / 1109	2.35	2.081
7.2	90182 / 563	90182 / 1928	2.304	1.829
7.3	90252 / 1382	90253 / 699	2.275	1.846
7.4	90323 / 153	90323 / 1518	2.276	1.723
7.5	90393 / 972	90394 / 289	2.388	1.967
7.6	90463 / 1791	90464 / 1108	2.493	2.54
7.7	90534 / 562	90534 / 1927	2.682	2
7.8	90604 / 1381	90605 / 698	2.521	1.96
7.9	90675 / 152	90675 / 1517	2.424	1.877
8	90745 / 971	90746 / 288	2.572	1.878
8.1	90815 / 1790	90816 / 1107	2.869	2.061
8.2	90886 / 561	90886 / 1926	2.609	1.867
8.3	90956 / 1380	90957 / 697	2.512	2.114

8.4	91027 / 151	91027 / 1516	2.2	1.736
8.5	91097 / 970	91098 / 287	2.628	2.084
8.6	91167 / 1789	91168 / 1106	2.329	2.133
8.7	91238 / 560	91238 / 1925	2.469	1.978
8.8	91308 / 1379	91309 / 696	2.24	1.751
8.9	91379 / 150	91379 / 1515	2.036	1.726
9	91449 / 969	91450 / 286	2.208	1.961
9.1	91519 / 1788	91520 / 1105	2.019	1.658
9.2	91590 / 559	91590 / 1924	2.222	1.956
9.3	91660 / 1378	91661 / 695	2.312	1.861
9.4	91731 / 149	91731 / 1514	2.7	2.167
9.5	91801 / 968	91802 / 285	2.462	2.015
9.6	91871 / 1787	91872 / 1104	2.604	1.961
9.7	91942 / 558	91942 / 1923	2.481	1.88
9.8	92012 / 1377	92013 / 694	2.391	1.912
9.9	92083 / 148	92083 / 1513	1.991	1.734
10	92153 / 967	92154 / 284	2.333	1.877
10.1	92223 / 1786	92224 / 1103	2.284	1.863
10.2	92294 / 557	92294 / 1922	2.232	1.722
10.3	92364 / 1376	92365 / 693	2.137	1.736
10.4	92435 / 147	92435 / 1512	2.55	2.067
10.5	92505 / 966	92506 / 283	2.273	2.017
10.6	92575 / 1785	92576 / 1102	2.494	2.083
10.7	92646 / 556	92646 / 1921	2.336	1.946
10.8	92716 / 1375	92717 / 692	2.344	1.966
10.9	92787 / 146	92787 / 1511	2.654	2.089
11	92857 / 965	92858 / 282	2.37	1.976
11.1	92927 / 1784	92928 / 1101	2.424	1.919
11.2	92998 / 555	92998 / 1920	2.202	1.857
11.3	93068 / 1374	93069 / 691	2.378	1.928
11.4	93139 / 145	93139 / 1510	2.296	1.79
11.5	93209 / 964	93210 / 281	2.504	2.067
11.6	93279 / 1783	93280 / 1100	3.425	2.408
11.7	93350 / 554	93350 / 1919	2.648	1.942
11.8	93420 / 1373	93421 / 690	2.884	2.021
11.9	93491 / 144	93491 / 1509	2.613	2.065
12	93561 / 963	93562 / 280	1.172	1.079
12.1	93631 / 1782	93632 / 1099	2.318	1.968
12.2	93702 / 553	93702 / 1918	2.366	1.93
12.3	93772 / 1372	93773 / 689	2.509	2.011
12.4	93843 / 143	93843 / 1508	2.4	1.972
12.5	93913 / 962	93914 / 279	2.461	1.865
12.6	93983 / 1781	93984 / 1098	2.494	1.963

12.7	94054 / 552	94054 / 1917	2.174	1.949
12.8	94124 / 1371	94125 / 688	2.514	2.011
12.9	94195 / 142	94195 / 1507	2.426	1.885
13	94265 / 961	94266 / 278	2.189	1.696
13.1	94335 / 1780	94336 / 1097	2.494	1.974
13.2	94406 / 551	94406 / 1916	2.704	2.052
13.3	94476 / 1370	94477 / 687	1.306	1.799
13.4	94547 / 141	94547 / 1506	1.235	0.929
13.5	94617 / 960	94618 / 277	2.736	2.079
13.6	94687 / 1779	94688 / 1096	2.441	2.117
13.7	94758 / 550	94758 / 1915	2.732	2.1
13.8	94828 / 1369	94829 / 686	2.716	2.087
13.9	94899 / 140	94899 / 1505	2.524	2.009
14	94969 / 959	94970 / 276	2.847	1.958
14.1	95039 / 1778	95040 / 1095	2.628	1.874
14.2	95110 / 549	95110 / 1914	2.427	1.795
14.3	95180 / 1368	95181 / 685	2.302	1.88
14.4	95251 / 139	95251 / 1504	2.421	1.913
14.5	95321 / 958	95322 / 275	2.559	1.941
14.6	95391 / 1777	95392 / 1094	2.458	1.823
14.7	95462 / 548	95462 / 1913	2.319	1.843
14.8	95532 / 1367	95533 / 684	2.352	1.872
14.9	95603 / 138	95603 / 1503	2.319	1.765
15	95673 / 957	95674 / 274	2.447	1.776
15.1	95743 / 1776	95744 / 1093	2.21	1.699
15.2	95814 / 547	95814 / 1912	2.426	1.787
15.3	95884 / 1366	95885 / 683	2.12	1.747
15.4	95955 / 137	95955 / 1502	2.394	1.802
15.5	96025 / 956	96026 / 273	2.31	1.825
15.6	96095 / 1775	96096 / 1092	2.429	1.81
15.7	96166 / 546	96166 / 1911	2.267	1.801
15.8	96236 / 1365	96237 / 682	2.291	1.755
15.9	96307 / 136	96307 / 1501	3.205	1.618
16	96377 / 955	96378 / 272	2.278	1.652
16.1	96447 / 1774	96448 / 1091	2.374	1.833
16.2	96518 / 545	96518 / 1910	2.49	1.715
16.3	96588 / 1364	96589 / 681	2.321	1.739
16.4	96659 / 135	96659 / 1500	2.453	1.858
16.5	96729 / 954	96730 / 271	2.372	1.8
16.6	96799 / 1773	96800 / 1090	2.595	1.839
16.7	96870 / 544	96870 / 1909	2.286	1.872
16.8	96940 / 1363	96941 / 680	2.414	1.769
16.9	97011 / 134	97011 / 1499	2.319	1.868

17	97081 / 953	97082 / 270	2.344	1.816
17.1	97151 / 1772	97152 / 1089	2.542	1.955
17.2	97222 / 543	97222 / 1908	2.898	2.44
17.3	97292 / 1362	97293 / 679	3.154	2.032
17.4	97363 / 133	97363 / 1498	2.814	2.038
17.5	97433 / 952	97434 / 269	2.483	1.871
17.6	97503 / 1771	97504 / 1088	2.5	1.882
17.7	97574 / 542	97574 / 1907	2.547	2.015
17.8	97644 / 1361	97645 / 678	2.426	1.966
17.9	97715 / 132	97715 / 1497	2.347	1.861
18	97785 / 951	97786 / 268	2.321	1.874
18.1	97855 / 1770	97856 / 1087	2.442	1.908
18.2	97926 / 541	97926 / 1906	2.325	1.984
18.3	97996 / 1360	97997 / 677	2.471	1.918
18.4	98067 / 131	98067 / 1496	2.488	2.103
18.5	98137 / 950	98138 / 267	2.302	1.933
18.6	98207 / 1769	98208 / 1086	2.497	2.001
18.7	98278 / 540	98278 / 1905	2.266	2.079
18.8	98348 / 1359	98349 / 676	2.271	1.922
18.9	98419 / 130	98419 / 1495	2.404	2.059
19	98489 / 949	98490 / 266	2.257	1.995
19.1	98559 / 1768	98560 / 1085	2.648	2.126
19.2	98630 / 539	98630 / 1904	2.741	2.071
19.3	98700 / 1358	98701 / 675	2.534	1.958
19.4	98771 / 129	98771 / 1494	3.305	2.734
19.5	98841 / 948	98842 / 265	2.507	1.885
19.6	98911 / 1767	98912 / 1084	2.343	1.899
19.7	98982 / 538	98982 / 1903	2.683	1.992
19.8	99052 / 1357	99053 / 674	2.496	1.847
19.9	99123 / 128	99123 / 1493	2.456	1.925
20	99193 / 947	99194 / 264	2.957	2.064
20.1	99263 / 1766	99264 / 1083	2.932	2.022
20.2	99334 / 537	99334 / 1902	2.246	1.985
20.3	99404 / 1356	99405 / 673	2.27	2.002
20.4	99475 / 127	99475 / 1492	2.936	2.494
20.5	99545 / 946	99546 / 263	3.171	2.12
20.6	99615 / 1765	99616 / 1082	3.008	2.263
20.7	99686 / 536	99686 / 1901	3.304	2.446
20.8	99756 / 1355	99757 / 672	3.344	2.301
20.9	99827 / 126	99827 / 1491	3.022	2.108
21	99897 / 945	99898 / 262	3.073	2.105
21.1	99967 / 1764	99968 / 1081	2.777	2.113
21.2	100038 / 535	100038 / 1900	2.803	2.161

21.3	100108 / 1354	100109 / 671	3.279	2.068
21.4	100179 / 125	100179 / 1490	2.666	1.9
21.5	100249 / 944	100250 / 261	2.296	1.867
21.6	100319 / 1763	100320 / 1080	2.647	2.04
21.7	100390 / 534	100390 / 1899	2.477	2.341
21.8	100460 / 1353	100461 / 670	2.746	2.147
21.9	100531 / 124	100531 / 1489	2.602	2.14
22	100601 / 943	100602 / 260	3.343	2.388
22.1	100671 / 1762	100672 / 1079	2.766	2.115
22.2	100742 / 533	100742 / 1898	2.729	2.11
22.3	100812 / 1352	100813 / 669	2.871	2.806
22.4	100883 / 123	100883 / 1488	1.647	1.04
22.5	100953 / 942	100954 / 259	2.429	2.012
22.6	101023 / 1761	101024 / 1078	2.305	1.854
22.7	101094 / 532	101094 / 1897	2.759	1.831
22.8	101164 / 1351	101165 / 668	2.866	1.804
22.9	101235 / 122	101235 / 1487	2.672	1.902
23	101305 / 941	101306 / 258	2.913	2.197
23.1	101375 / 1760	101376 / 1077	3.038	1.793
23.2	101446 / 531	101446 / 1896	2.856	2.157
23.3	101516 / 1350	101517 / 667	2.634	1.838
23.4	101587 / 121	101587 / 1486	2.474	1.829
23.5	101657 / 940	101658 / 257	2.721	1.95
23.6	101727 / 1759	101728 / 1076	2.51	1.826
23.7	101798 / 530	101798 / 1895	2.569	1.89
23.8	101868 / 1349	101869 / 666	2.483	1.839
23.9	101939 / 120	101939 / 1485	2.678	1.775
24	102009 / 939	102010 / 256	2.425	1.875
24.1	102079 / 1758	102080 / 1075	2.262	1.796
24.2	102150 / 529	102150 / 1894	2.372	1.689
24.3	102220 / 1348	102221 / 665	2.103	1.825
24.4	102291 / 119	102291 / 1484	2.361	1.76
24.5	102361 / 938	102362 / 255	2.172	1.713
24.6	102431 / 1757	102432 / 1074	1.154	0.992
24.7	102502 / 528	102502 / 1893	2.258	1.972
24.8	102572 / 1347	102573 / 664	2.551	1.899
24.9	102643 / 118	102643 / 1483	2.724	1.947
25	102713 / 937	102714 / 254	2.539	1.808
25.1	102783 / 1756	102784 / 1073	3.206	2.057
25.2	102854 / 527	102854 / 1892	2.625	2.015
25.3	102924 / 1346	102925 / 663	4.351	2.392
25.4	102995 / 117	102995 / 1482	3.354	1.964
25.5	103065 / 936	103066 / 253	2.195	1.844

25.6	103135 / 1755	103136 / 1072	2.613	1.894
25.7	103206 / 526	103206 / 1891	2.597	1.763
25.8-49.7	Missing			
49.8	0 / 0	0 / 1365	2.596	1.621
49.9	70 / 819	71 / 136	2.467	1.64
50	140 / 1638	141 / 955	2.843	1.659
50.1	211 / 409	211 / 1774	2.111	1.604
50.2	281 / 1228	282 / 545	2.497	1.563
50.3	351 / 2047	352 / 1364	2.894	1.586
50.4	422 / 818	423 / 135	2.572	1.487
50.5	492 / 1637	493 / 954	2.612	1.703
50.6	563 / 408	563 / 1773	2.808	1.553
50.7	633 / 1227	634 / 544	2.601	1.668
50.8	703 / 2046	704 / 1363	2.459	1.552
50.9	774 / 817	775 / 134	2.327	1.647
51	844 / 1636	845 / 953	2.444	1.542
51.1	915 / 407	915 / 1772	2.318	1.616
51.2	985 / 1226	986 / 543	2.494	2.138
51.3	1055 / 2045	1056 / 1362	2.234	1.679
51.4	1126 / 816	1127 / 133	2.172	1.606
51.5	1196 / 1635	1197 / 952	2.209	1.619
51.6	1267 / 406	1267 / 1771	2.35	1.535
51.7	1337 / 1225	1338 / 542	2.436	1.668
51.8	1407 / 2044	1408 / 1361	2.313	1.734
51.9	1478 / 815	1479 / 132	2.331	1.603
52	1548 / 1634	1549 / 951	2.549	1.739
52.1	1619 / 405	1619 / 1770	2.297	1.687
52.2	1689 / 1224	1690 / 541	2.361	1.633
52.3	1759 / 2043	1760 / 1360	2.803	1.791
52.4	1830 / 814	1831 / 131	2.61	1.756
52.5	1900 / 1633	1901 / 950	2.568	1.91
52.6	1971 / 404	1971 / 1769	2.418	1.994
52.7	2041 / 1223	2042 / 540	2.154	1.6
52.8	2111 / 2042	2112 / 1359	2.972	1.959
52.9	2182 / 813	2183 / 130	2.484	1.768
53	2252 / 1632	2253 / 949	2.559	1.953
53.1	2323 / 403	2323 / 1768	2.53	1.903
53.2	2393 / 1222	2394 / 539	2.5	1.546
53.3	2463 / 2041	2464 / 1358	2.375	1.801
53.4	2534 / 812	2535 / 129	2.716	1.717
53.5	2604 / 1631	2605 / 948	1.766	1.393
53.6	2675 / 402	2675 / 1767	1.894	2.017
53.7	2745 / 1221	2746 / 538	2.297	1.747

53.8	2815 / 2040	2816 / 1357	1.508	1.472
53.9	2886 / 811	2887 / 128	1.335	1.166
54	2956 / 1630	2957 / 947	1.172	0.93
54.1	3027 / 401	3027 / 1766	1.735	1.464
54.2	3097 / 1220	3098 / 537	1.223	1.219
54.3	3167 / 2039	3168 / 1356	1.379	1.547
54.4	3238 / 810	3239 / 127	1.064	0.887
54.5	3308 / 1629	3309 / 946	1.87	1.907
54.6	3379 / 400	3379 / 1765	1.12	0.768
54.7	3449 / 1219	3450 / 536	1.034	0.867
54.8	3519 / 2038	3520 / 1355	1.288	1.117
54.9	3590 / 809	3591 / 126	1.183	1.003
55	3660 / 1628	3661 / 945	1.529	1.661
55.1	3731 / 399	3731 / 1764	1.646	2.17
55.2	3801 / 1218	3802 / 535	1.697	1.274
55.3	3871 / 2037	3872 / 1354	1.365	1.039
55.4	3942 / 808	3943 / 125	1.612	1.296
55.5	4012 / 1627	4013 / 944	1.255	1.093
55.6	4083 / 398	4083 / 1763	1.532	1.989
55.7	4153 / 1217	4154 / 534	1.63	1.172
55.8	4223 / 2036	4224 / 1353	0.88	0.734
55.9	4294 / 807	4295 / 124	1.244	1.246
56	4364 / 1626	4365 / 943	2.062	1.643
56.1	4435 / 397	4435 / 1762	1.648	1.668
56.2	4505 / 1216	4506 / 533	1.371	1.159
56.3	4575 / 2035	4576 / 1352	1.517	1.617
56.4	4646 / 806	4647 / 123	0.938	0.949
56.5	4716 / 1625	4717 / 942	1.237	1.063
56.6	4787 / 396	4787 / 1761	1.009	0.917
56.7	4857 / 1215	4858 / 532	1.149	0.991
56.8	4927 / 2034	4928 / 1351	1.721	1.39
56.9	4998 / 805	4999 / 122	1.669	1.193
57	5068 / 1624	5069 / 941	1.335	1.171
57.1	5139 / 395	5139 / 1760	1.436	1.326
57.2	5209 / 1214	5210 / 531	1.134	1.009
57.3	5279 / 2033	5280 / 1350	1.193	1.013
57.4	5350 / 804	5351 / 121	1.122	0.926
57.5	5420 / 1623	5421 / 940	1.159	0.901
57.6	5491 / 394	5491 / 1759	1.551	1.397
57.7	5561 / 1213	5562 / 530	1.177	1.135
57.8	5631 / 2032	5632 / 1349	1.673	1.403
57.9	5702 / 803	5703 / 120	1.264	0.99
58	5772 / 1622	5773 / 939	1.236	1.036

58.1	5843 / 393	5843 / 1758	1.415	1.11
58.2	5913 / 1212	5914 / 529	1.014	0.989
58.3	5983 / 2031	5984 / 1348	1.334	1.153
58.4	6054 / 802	6055 / 119	1.507	1.255
58.5	6124 / 1621	6125 / 938	1.591	1.557
58.6	6195 / 392	6195 / 1757	1.316	0.836
58.7	6265 / 1211	6266 / 528	1.497	1.214
58.8	6335 / 2030	6336 / 1347	1.059	0.913
58.9	6406 / 801	6407 / 118	1.291	1.137
59	6476 / 1620	6477 / 937	1.543	1.166
59.1	6547 / 391	6547 / 1756	1.222	1.02
59.2	6617 / 1210	6618 / 527	1.256	1.138
59.3	6687 / 2029	6688 / 1346	1.2	1.245
59.4	6758 / 800	6759 / 117	1.701	1.304
59.5	6828 / 1619	6829 / 936	1.651	1.15
59.6	6899 / 390	6899 / 1755	2.911	2.435
59.7	6969 / 1209	6970 / 526	2.419	2.071
59.8	7039 / 2028	7040 / 1345	1.783	1.586
59.9	7110 / 799	7111 / 116	2.675	2.266
60	7180 / 1618	7181 / 935	1.617	1.268
60.1	7251 / 389	7251 / 1754	2.779	2.414
60.2	7321 / 1208	7322 / 525	1.624	1.684
60.3	7391 / 2027	7392 / 1344	1.682	1.734
60.4	7462 / 798	7463 / 115	2.326	2.025
60.5	7532 / 1617	7533 / 934	1.672	1.552
60.6	7603 / 388	7603 / 1753	1.845	1.784
60.7	7673 / 1207	7674 / 524	2.441	1.869
60.8	7743 / 2026	7744 / 1343	1.876	1.414
60.9	7814 / 797	7815 / 114	1.678	1.611
61	7884 / 1616	7885 / 933	2.645	2.461
61.1	7955 / 387	7955 / 1752	1.204	1.068
61.2	8025 / 1206	8026 / 523	1.884	1.691
61.3	8095 / 2025	8096 / 1342	1.824	1.734
61.4	8166 / 796	8167 / 113	1.477	1.562
61.5	8236 / 1615	8237 / 932	2.08	2.121
61.6	8307 / 386	8307 / 1751	1.549	2.031
61.7	8377 / 1205	8378 / 522	1.745	1.514
61.8	8447 / 2024	8448 / 1341	1.632	1.565
61.9	8518 / 795	8519 / 112	1.441	1.303
62	8588 / 1614	8589 / 931	1.648	1.104
62.1	8659 / 385	8659 / 1750	1.909	1.324
62.2	8729 / 1204	8730 / 521	2.087	1.909
62.3	8799 / 2023	8800 / 1340	1.814	1.695

62.4	8870 / 794	8871 / 111	2.059	1.799
62.5	8940 / 1613	8941 / 930	1.678	1.681
62.6	9011 / 384	9011 / 1749	1.414	1.496
62.7	9081 / 1203	9082 / 520	1.235	1.047
62.8	9151 / 2022	9152 / 1339	1.222	0.971
62.9	9222 / 793	9223 / 110	2.298	2.016
63	9292 / 1612	9293 / 929	1.531	1.563
63.1	9363 / 383	9363 / 1748	1.189	1.107
63.2	9433 / 1202	9434 / 519	1.859	1.434
63.3	9503 / 2021	9504 / 1338	1.626	1.818
63.4	9574 / 792	9575 / 109	1.484	1.452
63.5	9644 / 1611	9645 / 928	1.808	1.57
63.6	9715 / 382	9715 / 1747	1.721	1.208
63.7	9785 / 1201	9786 / 518	1.338	1.11
63.8	9855 / 2020	9856 / 1337	3.158	2.279
63.9	9926 / 791	9927 / 108	2.688	1.629
64	9996 / 1610	9997 / 927	4.113	1.798
64.1	10067 / 381	10067 / 1746	3.108	1.891
64.2	10137 / 1200	10138 / 517	4.066	1.847
64.3	10207 / 2019	10208 / 1336	3.394	1.831
64.4	10278 / 790	10279 / 107	4.43	1.729
64.5	10348 / 1609	10349 / 926	4.577	1.75
64.6	10419 / 380	10419 / 1745	5.738	1.823
64.7	10489 / 1199	10490 / 516	3.785	1.819
64.8	10559 / 2018	10560 / 1335	2.864	1.849
64.9	10630 / 789	10631 / 106	2.449	2.039
65	10700 / 1608	10701 / 925	2.555	2.184
65.1	10771 / 379	10771 / 1744	2.909	2.146
65.2	10841 / 1198	10842 / 515	2.848	1.873
65.3	10911 / 2017	10912 / 1334	2.51	2.12
65.4	10982 / 788	10983 / 105	2.4	1.824
65.5	11052 / 1607	11053 / 924	2.705	2.04
65.6	11123 / 378	11123 / 1743	2.486	1.762
65.7	11193 / 1197	11194 / 514	2.557	1.867
65.8	11263 / 2016	11264 / 1333	2.758	1.77
65.9	11334 / 787	11335 / 104	2.354	1.828
66	11404 / 1606	11405 / 923	2.108	2.023
66.1	11475 / 377	11475 / 1742	2.178	1.807
66.2	11545 / 1196	11546 / 513	2.52	1.879
66.3	11615 / 2015	11616 / 1332	1.993	1.777
66.4	11686 / 786	11687 / 103	3.006	2.453
66.5	11756 / 1605	11757 / 922	2.305	1.937
66.6	11827 / 376	11827 / 1741	2.579	1.907

66.7	11897 / 1195	11898 / 512	2.22	1.992
66.8	11967 / 2014	11968 / 1331	2.453	2.232
66.9	12038 / 785	12039 / 102	2.447	2.116
67	12108 / 1604	12109 / 921	2.83	2.399
67.1	12179 / 375	12179 / 1740	2.536	2.1
67.2	12249 / 1194	12250 / 511	2.624	1.848
67.3	12319 / 2013	12320 / 1330	2.82	1.918
67.4	12390 / 784	12391 / 101	2.655	1.879
67.5	12460 / 1603	12461 / 920	2.945	2.056
67.6	12531 / 374	12531 / 1739	2.671	1.778
67.7	12601 / 1193	12602 / 510	3.17	1.936
67.8	12671 / 2012	12672 / 1329	2.719	1.811
67.9	12742 / 783	12743 / 100	2.955	1.871
68	12812 / 1602	12813 / 919	3.06	2.133
68.1	12883 / 373	12883 / 1738	2.595	2.026
68.2	12953 / 1192	12954 / 509	2.932	1.908
68.3	13023 / 2011	13024 / 1328	2.563	1.841
68.4	13094 / 782	13095 / 99	2.419	1.897
68.5	13164 / 1601	13165 / 918	2.526	2.028
68.6	13235 / 372	13235 / 1737	2.373	1.918
68.7	13305 / 1191	13306 / 508	2.208	1.701
68.8	13375 / 2010	13376 / 1327	2.844	2.15
68.9	13446 / 781	13447 / 98	2.918	2.738
69	13516 / 1600	13517 / 917	2.527	2.336
69.1	13587 / 371	13587 / 1736	2.083	1.74
69.2	13657 / 1190	13658 / 507	2.597	1.78
69.3	13727 / 2009	13728 / 1326	2.659	1.691
69.4	13798 / 780	13799 / 97	2.636	1.821
69.5	13868 / 1599	13869 / 916	2.721	2.218
69.6	13939 / 370	13939 / 1735	1.382	1.153
69.7	14009 / 1189	14010 / 506	2.506	1.864
69.8	14079 / 2008	14080 / 1325	2.852	2.027
69.9	14150 / 779	14151 / 96	2.957	2.301
70	14220 / 1598	14221 / 915	2.74	2.374
70.1	14291 / 369	14291 / 1734	2.931	2.205
70.2	14361 / 1188	14362 / 505	3.042	1.91
70.3	14431 / 2007	14432 / 1324	3.534	1.807
70.4	14502 / 778	14503 / 95	3.339	1.902
70.5	14572 / 1597	14573 / 914	2.508	1.885
70.6	14643 / 368	14643 / 1733	2.696	2.103
70.7	14713 / 1187	14714 / 504	2.701	1.987
70.8	14783 / 2006	14784 / 1323	2.927	2.472
70.9	14854 / 777	14855 / 94	2.902	2.261

71	14924 / 1596	14925 / 913	2.408	1.811
71.1	14995 / 367	14995 / 1732	2.447	2.185
71.2	15065 / 1186	15066 / 503	3.048	2.087
71.3	15135 / 2005	15136 / 1322	2.885	2.676
71.4	15206 / 776	15207 / 93	2.92	2.016
71.5	15276 / 1595	15277 / 912	2.404	1.951
71.6	15347 / 366	15347 / 1731	2.531	2
71.7	15417 / 1185	15418 / 502	2.389	2.019
71.8	15487 / 2004	15488 / 1321	2.73	1.821
71.9	15558 / 775	15559 / 92	2.533	1.858
72	15628 / 1594	15629 / 911	2.342	1.756
72.1	15699 / 365	15699 / 1730	2.884	1.963
72.2	15769 / 1184	15770 / 501	2.739	1.847
72.3	15839 / 2003	15840 / 1320	3.156	2.818
72.4	15910 / 774	15911 / 91	2.485	2.57
72.5	15980 / 1593	15981 / 910	2.489	1.844
72.6	16051 / 364	16051 / 1729	2.413	2.092
72.7	16121 / 1183	16122 / 500	2.38	1.911
72.8	16191 / 2002	16192 / 1319	2.59	1.919
72.9	16262 / 773	16263 / 90	2.812	2.047
73	16332 / 1592	16333 / 909	2.748	1.949
73.1	16403 / 363	16403 / 1728	2.961	1.791
73.2	16473 / 1182	16474 / 499	2.686	1.856
73.3	16543 / 2001	16544 / 1318	2.738	1.674
73.4	16614 / 772	16615 / 89	2.656	1.767
73.5	16684 / 1591	16685 / 908	2.512	1.816
73.6	16755 / 362	16755 / 1727	2.843	2.138
73.7	16825 / 1181	16826 / 498	2.989	2.28
73.8	16895 / 2000	16896 / 1317	2.937	1.836
73.9	16966 / 771	16967 / 88	2.563	1.507
74	17036 / 1590	17037 / 907	2.073	1.769
74.1	17107 / 361	17107 / 1726	2.148	1.812
74.2	17177 / 1180	17178 / 497	1.974	1.633
74.3	17247 / 1999	17248 / 1316	2.161	1.579
74.4	17318 / 770	17319 / 87	2.254	1.884
74.5	17388 / 1589	17389 / 906	2.304	1.667
74.6	17459 / 360	17459 / 1725	1.831	1.414
74.7	17529 / 1179	17530 / 496	2.277	1.671
74.8	17599 / 1998	17600 / 1315	2.145	1.69
74.9	17670 / 769	17671 / 86	2.123	1.682
75	17740 / 1588	17741 / 905	2.091	1.725
75.1	17811 / 359	17811 / 1724	2.01	1.81
75.2	17881 / 1178	17882 / 495	2.084	1.769

75.3	17951 / 1997	17952 / 1314	2.108	1.827
75.4	18022 / 768	18023 / 85	2.533	2.258
75.5	18092 / 1587	18093 / 904	2.14	2.241
75.6	18163 / 358	18163 / 1723	2.051	1.913
75.7	18233 / 1177	18234 / 494	2.17	1.972
75.8	18303 / 1996	18304 / 1313	2.218	2.172
75.9	18374 / 767	18375 / 84	2.349	1.82
76	18444 / 1586	18445 / 903	2.177	1.529
76.1	18515 / 357	18515 / 1722	2.375	1.776
76.2	18585 / 1176	18586 / 493	2.358	1.655
76.3	18655 / 1995	18656 / 1312	2.307	2.544
76.4	18726 / 766	18727 / 83	2.158	1.715
76.5	18796 / 1585	18797 / 902	2.265	1.815
76.6	18867 / 356	18867 / 1721	2.109	2.565
76.7	18937 / 1175	18938 / 492	2.113	2.039
76.8	19007 / 1994	19008 / 1311	1.198	1.005
76.9	19078 / 765	19079 / 82	1.094	0.923
77	19148 / 1584	19149 / 901	1.114	0.985
77.1	19219 / 355	19219 / 1720	1.104	0.931
77.2	19289 / 1174	19290 / 491	1.876	1.166
77.3	19359 / 1993	19360 / 1310	1.196	0.992
77.4	19430 / 764	19431 / 81	1.029	0.923
77.5	19500 / 1583	19501 / 900	1.079	0.937
77.6	19571 / 354	19571 / 1719	0.986	0.864
77.7	19641 / 1173	19642 / 490	1.041	0.881
77.8	19711 / 1992	19712 / 1309	1.099	0.91
77.9	19782 / 763	19783 / 80	1.227	1.074
78	19852 / 1582	19853 / 899	1.069	1.081
78.1	19923 / 353	19923 / 1718	0.959	1.253
78.2	19993 / 1172	19994 / 489	1.169	1.036
78.3	20063 / 1991	20064 / 1308	1.157	1.026
78.4	20134 / 762	20135 / 79	1.213	1.175
78.5	20204 / 1581	20205 / 898	1.405	1.208
78.6	20275 / 352	20275 / 1717	5.949	0.8041
78.7	20345 / 1171	20346 / 488	1.169	0.949
78.8	20415 / 1990	20416 / 1307	1.194	1.215
78.9	20486 / 761	20487 / 78	1.196	0.988
79	20556 / 1580	20557 / 897	1.286	1.476
79.1	20627 / 351	20627 / 1716	1.146	0.927
79.2	20697 / 1170	20698 / 487	1.058	0.991
79.3	20767 / 1989	20768 / 1306	1.301	1.121
79.4	20838 / 760	20839 / 77	1.06	0.937
79.5	20908 / 1579	20909 / 896	1.437	1.317

79.6	20979 / 350	20979 / 1715	1.137	0.958
79.7	21049 / 1169	21050 / 486	1.155	1.075
79.8	21119 / 1988	21120 / 1305	1.095	1.016
79.9	21190 / 759	21191 / 76	1.263	1.095
80	21260 / 1578	21261 / 895	1.122	0.969
80.1	21331 / 349	21331 / 1714	1.145	1.028
80.2	21401 / 1168	21402 / 485	1.143	0.729
80.3	21471 / 1987	21472 / 1304	1.008	0.981
80.4	21542 / 758	21543 / 75	1.22	1.117
80.5	21612 / 1577	21613 / 894	1.105	1.011
80.6	21683 / 348	21683 / 1713	1.072	1.047
80.7	21753 / 1167	21754 / 484	1.2	0.806
80.8	21823 / 1986	21824 / 1303	1.081	0.877
80.9	21894 / 757	21895 / 74	1.101	0.951
81	21964 / 1576	21965 / 893	1.166	0.975
81.1	22035 / 347	22035 / 1712	1.257	1.116
81.2	22105 / 1166	22106 / 483	1.279	1.076
81.3	22175 / 1985	22176 / 1302	1.344	1.156
81.4	22246 / 756	22247 / 73	1.366	1.215
81.5	22316 / 1575	22317 / 892	1.554	1.032
81.6	22387 / 346	22387 / 1711	1.198	1.089
81.7	22457 / 1165	22458 / 482	1.221	1.04
81.8	22527 / 1984	22528 / 1301	1.139	1.054
81.9	22598 / 755	22599 / 72	1.321	1.024
82	22668 / 1574	22669 / 891	1.219	1.021
82.1	22739 / 345	22739 / 1710	1.11	0.922
82.2	22809 / 1164	22810 / 481	1.15	1.055
82.3	22879 / 1983	22880 / 1300	1.693	1.094
82.4	22950 / 754	22951 / 71	1.221	1.057
82.5	23020 / 1573	23021 / 890	1.415	1.194
82.6	23091 / 344	23091 / 1709	1.16	1.177
82.7	23161 / 1163	23162 / 480	1.393	1.059
82.8	23231 / 1982	23232 / 1299	1.349	1.041
82.9	23302 / 753	23303 / 70	1.48	1.115
83	23372 / 1572	23373 / 889	1.163	0.914
83.1	23443 / 343	23443 / 1708	1.085	0.995
83.2	23513 / 1162	23514 / 479	1.272	1.024
83.3	23583 / 1981	23584 / 1298	1.443	1.221
83.4	23654 / 752	23655 / 69	1.319	1.137
83.5	23724 / 1571	23725 / 888	1.454	1.039
83.6	23795 / 342	23795 / 1707	2.608	1.839
83.7	23865 / 1161	23866 / 478	2.305	1.85
83.8	23935 / 1980	23936 / 1297	2.429	1.613

83.9	24006 / 751	24007 / 68	2.394	1.726
84	24076 / 1570	24077 / 887	2.538	1.645
84.1	24147 / 341	24147 / 1706	2.379	1.606
84.2	24217 / 1160	24218 / 477	2.546	1.647
84.3	24287 / 1979	24288 / 1296	2.389	1.601
84.4	24358 / 750	24359 / 67	2.715	2.093
84.5	24428 / 1569	24429 / 886	2.763	1.86
84.6	24499 / 340	24499 / 1705	2.565	2.189
84.7	24569 / 1159	24570 / 476	2.509	1.762
84.8	24639 / 1978	24640 / 1295	2.623	1.85
84.9	24710 / 749	24711 / 66	2.575	1.805
85	24780 / 1568	24781 / 885	3.809	2.157
85.1	24851 / 339	24851 / 1704	3.358	2.254
85.2	24921 / 1158	24922 / 475	3.152	2.132
85.3	24991 / 1977	24992 / 1294	2.708	2.346
85.4	25062 / 748	25063 / 65	2.661	1.995
85.5	25132 / 1567	25133 / 884	2.764	1.84
85.6	25203 / 338	25203 / 1703	2.637	2.581
85.7	25273 / 1157	25274 / 474	2.929	2.232
85.8	25343 / 1976	25344 / 1293	2.467	1.538
85.9	25414 / 747	25415 / 64	2.545	2.509
86	25484 / 1566	25485 / 883	2.427	1.835
86.1	25555 / 337	25555 / 1702	2.743	1.962
86.2	25625 / 1156	25626 / 473	2.473	3.19
86.3	25695 / 1975	25696 / 1292	2.383	1.991
86.4	25766 / 746	25767 / 63	2.754	2.224
86.5	25836 / 1565	25837 / 882	2.604	1.949
86.6	25907 / 336	25907 / 1701	2.517	1.951
86.7	25977 / 1155	25978 / 472	2.467	1.965
86.8	26047 / 1974	26048 / 1291	2.31	1.614
86.9	26118 / 745	26119 / 62	2.428	2.032
87	26188 / 1564	26189 / 881	3.462	2.08
87.1	26259 / 335	26259 / 1700	3.139	2.139
87.2	26329 / 1154	26330 / 471	2.393	2.014
87.3	26399 / 1973	26400 / 1290	2.974	2.253
87.4	26470 / 744	26471 / 61	2.591	1.905
87.5	26540 / 1563	26541 / 880	2.898	2.028
87.6	26611 / 334	26611 / 1699	2.864	2.09
87.7	26681 / 1153	26682 / 470	2.438	1.937
87.8	26751 / 1972	26752 / 1289	2.626	1.731
87.9	26822 / 743	26823 / 60	2.246	2.266
88	26892 / 1562	26893 / 879	2.284	1.698
88.1	26963 / 333	26963 / 1698	2.149	1.688

88.2	27033 / 1152	27034 / 469	2.396	1.803
88.3	27103 / 1971	27104 / 1288	2.621	1.868
88.4	27174 / 742	27175 / 59	2.5	1.812
88.5	27244 / 1561	27245 / 878	2.41	1.792
88.6	27315 / 332	27315 / 1697	2.862	1.92
88.7	27385 / 1151	27386 / 468	3.001	2.101
88.8	27455 / 1970	27456 / 1287	3.877	2.285
88.9	27526 / 741	27527 / 58	2.92	2.086
89	27596 / 1560	27597 / 877	2.738	2.094
89.1	27667 / 331	27667 / 1696	2.058	1.896
89.2	27737 / 1150	27738 / 467	2.783	2.032
89.3	27807 / 1969	27808 / 1286	2.912	1.974
89.4	27878 / 740	27879 / 57	2.253	1.642
89.5	27948 / 1559	27949 / 876	2.8	2.071
89.6	28019 / 330	28019 / 1695	3.14	2.437
89.7	28089 / 1149	28090 / 466	2.707	2.607
89.8	28159 / 1968	28160 / 1285	3.662	2.242
89.9	28230 / 739	28231 / 56	2.667	1.951
90	28300 / 1558	28301 / 875	2.837	1.873
90.1	28371 / 329	28371 / 1694	2.618	1.8
90.2	28441 / 1148	28442 / 465	2.701	1.841
90.3	28511 / 1967	28512 / 1284	2.453	1.894
90.4	28582 / 738	28583 / 55	2.329	1.737
90.5	28652 / 1557	28653 / 874	2.586	1.96
90.6	28723 / 328	28723 / 1693	2.686	1.946
90.7	28793 / 1147	28794 / 464	3.202	2.739
90.8	28863 / 1966	28864 / 1283	2.996	2.303
90.9	28934 / 737	28935 / 54	2.924	1.959
91	29004 / 1556	29005 / 873	2.433	2.163
91.1	29075 / 327	29075 / 1692	2.876	1.811
91.2	29145 / 1146	29146 / 463	2.993	2.227
91.3	29215 / 1965	29216 / 1282	2.811	1.938
91.4	29286 / 736	29287 / 53	2.813	2.308
91.5	29356 / 1555	29357 / 872	2.401	1.749
91.6	29427 / 326	29427 / 1691	2.773	2.062
91.7	29497 / 1145	29498 / 462	2.622	1.841
91.8	29567 / 1964	29568 / 1281	2.654	1.85
91.9	29638 / 735	29639 / 52	2.423	1.914
92	29708 / 1554	29709 / 871	2.367	1.722
92.1	29779 / 325	29779 / 1690	2.924	2.017
92.2	29849 / 1144	29850 / 461	2.64	2.065
92.3	29919 / 1963	29920 / 1280	2.734	1.87
92.4	29990 / 734	29991 / 51	2.376	1.711

92.5	30060 / 1553	30061 / 870	2.429	1.887
92.6	30131 / 324	30131 / 1689	2.786	1.891
92.7	30201 / 1143	30202 / 460	2.741	1.763
92.8	30271 / 1962	30272 / 1279	2.313	1.727
92.9	30342 / 733	30343 / 50	2.36	1.888
93	30412 / 1552	30413 / 869	2.696	1.667
93.1	30483 / 323	30483 / 1688	2.877	1.867
93.2	30553 / 1142	30554 / 459	2.561	2.031
93.3	30623 / 1961	30624 / 1278	3.298	1.694
93.4	30694 / 732	30695 / 49	3.119	1.749
93.5	30764 / 1551	30765 / 868	2.362	2.517
93.6	30835 / 322	30835 / 1687	2.851	1.874
93.7	30905 / 1141	30906 / 458	2.579	2.383
93.8	30975 / 1960	30976 / 1277	2.788	2.028
93.9	31046 / 731	31047 / 48	2.278	1.818
94	31116 / 1550	31117 / 867	2.295	2.594
94.1	31187 / 321	31187 / 1686	2.37	2.065
94.2	31257 / 1140	31258 / 457	2.34	1.801
94.3	31327 / 1959	31328 / 1276	2.459	1.891
94.4	31398 / 730	31399 / 47	2.254	1.765
94.5	31468 / 1549	31469 / 866	2.27	1.626
94.6	31539 / 320	31539 / 1685	3.411	2.045
94.7	31609 / 1139	31610 / 456	4.076	2.875
94.8	31679 / 1958	31680 / 1275	3.709	2.086
94.9	31750 / 729	31751 / 46	3.549	2.044
95	31820 / 1548	31821 / 865	3.717	2.161
95.1	31891 / 319	31891 / 1684	3.414	1.993
95.2	31961 / 1138	31962 / 455	3.684	2.53
95.3	32031 / 1957	32032 / 1274	4.216	3.685
95.4	32102 / 728	32103 / 45	4.023	2.38
95.5	32172 / 1547	32173 / 864	3.378	2.591
95.6	32243 / 318	32243 / 1683	2.996	1.678
95.7	32313 / 1137	32314 / 454	3.062	1.996
95.8	32383 / 1956	32384 / 1273	2.468	1.679
95.9	32454 / 727	32455 / 44	2.516	1.014
96	32524 / 1546	32525 / 863	2.531	1.672
96.1	32595 / 317	32595 / 1682	2.273	1.718
96.2	32665 / 1136	32666 / 453	3.159	1.892
96.3	32735 / 1955	32736 / 1272	4.07	1.838
96.4	32806 / 726	32807 / 43	3.73	1.656
96.5	32876 / 1545	32877 / 862	3.068	1.709
96.6	32947 / 316	32947 / 1681	2.553	1.52
96.7	33017 / 1135	33018 / 452	2.947	1.614

96.8	33087 / 1954	33088 / 1271	2.648	1.809
96.9	33158 / 725	33159 / 42	3.86	2.64
97	33228 / 1544	33229 / 861	2.893	2.034
97.1	33299 / 315	33299 / 1680	3.276	1.978
97.2	33369 / 1134	33370 / 451	3.407	1.975
97.3	33439 / 1953	33440 / 1270	2.708	1.871
97.4	33510 / 724	33511 / 41	2.442	1.927
97.5	33580 / 1543	33581 / 860	2.213	1.6
97.6	33651 / 314	33651 / 1679	2.767	1.878
97.7	33721 / 1133	33722 / 450	2.778	1.838
97.8	33791 / 1952	33792 / 1269	2.59	1.804
97.9	33862 / 723	33863 / 40	2.465	1.715
98	33932 / 1542	33933 / 859	2.466	1.583
98.1	34003 / 313	34003 / 1678	2.589	1.624
98.2	34073 / 1132	34074 / 449	2.87	1.707
98.3	34143 / 1951	34144 / 1268	2.292	1.863
98.4	34214 / 722	34215 / 39	2.845	1.722
98.5	34284 / 1541	34285 / 858	2.651	1.661
98.6	34355 / 312	34355 / 1677	2.958	1.821
98.7	34425 / 1131	34426 / 448	3.19	1.621
98.8	34495 / 1950	34496 / 1267	3.556	1.61
98.9	34566 / 721	34567 / 38	2.801	1.637
99	34636 / 1540	34637 / 857	2.733	1.578
99.1	34707 / 311	34707 / 1676	2.799	1.652
99.2	34777 / 1130	34778 / 447	3.08	1.966
99.3	34847 / 1949	34848 / 1266	2.198	1.555
99.4	34918 / 720	34919 / 37	2.231	1.536
99.5	34988 / 1539	34989 / 856	2.281	1.572
99.6	35059 / 310	35059 / 1675	2.309	1.61
99.7	35129 / 1129	35130 / 446	2.59	1.705
99.8	35199 / 1948	35200 / 1265	2.316	1.666
99.9	35270 / 719	35271 / 36	2.32	1.662
100	35340 / 1538	35341 / 855	2.382	1.891
100.1	35411 / 309	35411 / 1674	2.82	1.801
100.2	35481 / 1128	35482 / 445	2.537	1.782
100.3	35551 / 1947	35552 / 1264	2.653	1.624
100.4	35622 / 718	35623 / 35	2.589	1.811
100.5	35692 / 1537	35693 / 854	2.497	1.716
100.6	35763 / 308	35763 / 1673	2.467	1.805
100.7	35833 / 1127	35834 / 444	2.659	1.76
100.8	35903 / 1946	35904 / 1263	2.563	1.768
100.9	35974 / 717	35975 / 34	2.366	1.706
101	36044 / 1536	36045 / 853	2.199	1.957

101.1	36115 / 307	36115 / 1672	3.31	2.014
101.2	36185 / 1126	36186 / 443	2.373	1.646
101.3	36255 / 1945	36256 / 1262	2.211	1.512
101.4	36326 / 716	36327 / 33	2.145	1.578
101.5	36396 / 1535	36397 / 852	2.634	1.748
101.6	36467 / 306	36467 / 1671	2.021	1.645
101.7	36537 / 1125	36538 / 442	2.4	1.58
101.8	36607 / 1944	36608 / 1261	2.58	1.56
101.9	36678 / 715	36679 / 32	2.922	1.58
102	36748 / 1534	36749 / 851	2.455	1.602
102.1	36819 / 305	36819 / 1670	2.666	1.604
102.2	36889 / 1124	36890 / 441	2.532	1.6
102.3	36959 / 1943	36960 / 1260	2.608	1.627
102.4	37030 / 714	37031 / 31	2.683	1.768
102.5	37100 / 1533	37101 / 850	2.401	1.784
102.6	37171 / 304	37171 / 1669	2.708	1.632
102.7	37241 / 1123	37242 / 440	2.331	1.862
102.8	37311 / 1942	37312 / 1259	2.475	1.679
102.9	37382 / 713	37383 / 30	2.652	1.719
103	37452 / 1532	37453 / 849	2.416	1.895
103.1	37523 / 303	37523 / 1668	2.5	1.764
103.2	37593 / 1122	37594 / 439	2.274	1.699
103.3	37663 / 1941	37664 / 1258	2.347	1.61
103.4	37734 / 712	37735 / 29	2.722	1.829
103.5	37804 / 1531	37805 / 848	2.82	1.882
103.6	37875 / 302	37875 / 1667	2.577	1.642
103.7	37945 / 1121	37946 / 438	2.732	1.724
103.8	38015 / 1940	38016 / 1257	2.636	1.649
103.9	38086 / 711	38087 / 28	2.632	1.731
104	38156 / 1530	38157 / 847	2.911	1.7
104.1	38227 / 301	38227 / 1666	2.615	1.779
104.2	38297 / 1120	38298 / 437	2.815	1.697
104.3	38367 / 1939	38368 / 1256	3.193	1.865
104.4	38438 / 710	38439 / 27	2.759	1.779
104.5	38508 / 1529	38509 / 846	2.998	1.738
104.6	38579 / 300	38579 / 1665	2.849	1.713
104.7	38649 / 1119	38650 / 436	3.124	1.718
104.8	38719 / 1938	38720 / 1255	3.754	1.507
104.9	38790 / 709	38791 / 26	2.762	1.873
105	38860 / 1528	38861 / 845	2.622	1.747
105.1	38931 / 299	38931 / 1664	2.906	1.855
105.2	39001 / 1118	39002 / 435	3.943	1.967
105.3	39071 / 1937	39072 / 1254	3.307	1.673

105.4	39142 / 708	39143 / 25	3.683	1.824
105.5	39212 / 1527	39213 / 844	3.989	1.73
105.6	39283 / 298	39283 / 1663	3.969	1.712
105.7	39353 / 1117	39354 / 434	3.643	1.751
105.8	39423 / 1936	39424 / 1253	3.987	1.733
105.9	39494 / 707	39495 / 24	3.891	1.676
106	39564 / 1526	39565 / 843	3.328	1.713
106.1	39635 / 297	39635 / 1662	4.152	1.786
106.2	39705 / 1116	39706 / 433	4.045	1.776
106.3	39775 / 1935	39776 / 1252	3.598	2.108
106.4	39846 / 706	39847 / 23	3.229	1.734
106.5	39916 / 1525	39917 / 842	3.346	1.908
106.6	39987 / 296	39987 / 1661	3.622	1.766
106.7	40057 / 1115	40058 / 432	3.158	1.727
106.8	40127 / 1934	40128 / 1251	3.348	2.027
106.9	40198 / 705	40199 / 22	2.922	1.775
107	40268 / 1524	40269 / 841	3.608	1.736
107.1	40339 / 295	40339 / 1660	3.259	1.663
107.2	40409 / 1114	40410 / 431	2.721	1.666
107.3	40479 / 1933	40480 / 1250	3.483	1.723
107.4	40550 / 704	40551 / 21	2.904	1.853
107.5	40620 / 1523	40621 / 840	3.149	1.974
107.6	40691 / 294	40691 / 1659	3.251	1.747
107.7	40761 / 1113	40762 / 430	2.571	1.892
107.8	40831 / 1932	40832 / 1249	3.069	1.879
107.9	40902 / 703	40903 / 20	2.953	1.988
108	40972 / 1522	40973 / 839	3.615	1.859
108.1	41043 / 293	41043 / 1658	3.504	1.984
108.2	41113 / 1112	41114 / 429	2.509	1.596
108.3	41183 / 1931	41184 / 1248	2.436	1.759
108.4	41254 / 702	41255 / 19	2.098	1.524
108.5	41324 / 1521	41325 / 838	2.308	1.609
108.6	41395 / 292	41395 / 1657	2.669	1.676
108.7	41465 / 1111	41466 / 428	2.772	1.73
108.8	41535 / 1930	41536 / 1247	2.711	1.58
108.9	41606 / 701	41607 / 18	2.13	1.65
109	41676 / 1520	41677 / 837	2.614	1.629
109.1	41747 / 291	41747 / 1656	2.793	1.752
109.2	41817 / 1110	41818 / 427	2.848	1.807
109.3	41887 / 1929	41888 / 1246	2.862	1.661
109.4	41958 / 700	41959 / 17	2.854	1.668
109.5	42028 / 1519	42029 / 836	2.584	1.627
109.6	42099 / 290	42099 / 1655	2.527	1.765

109.7	42169 / 1109	42170 / 426	2.411	1.737
109.8	42239 / 1928	42240 / 1245	2.629	1.823
109.9	42310 / 699	42311 / 16	2.465	1.833
110	42380 / 1518	42381 / 835	2.598	1.769
110.1	42451 / 289	42451 / 1654	2.326	1.753
110.2	42521 / 1108	42522 / 425	2.193	1.753
110.3	42591 / 1927	42592 / 1244	2.426	1.884
110.4	42662 / 698	42663 / 15	2.233	1.74
110.5	42732 / 1517	42733 / 834	2.059	1.681
110.6	42803 / 288	42803 / 1653	2.335	1.682
110.7	42873 / 1107	42874 / 424	2.216	1.577
110.8	42943 / 1926	42944 / 1243	2.346	1.677
110.9	43014 / 697	43015 / 14	2.146	1.61
111	43084 / 1516	43085 / 833	2.196	1.607
111.1	43155 / 287	43155 / 1652	2.122	1.57
111.2	43225 / 1106	43226 / 423	2.259	1.626
111.3	43295 / 1925	43296 / 1242	2.27	1.645
111.4	43366 / 696	43367 / 13	2.309	1.666
111.5	43436 / 1515	43437 / 832	2.439	1.653
111.6	43507 / 286	43507 / 1651	2.357	1.711
111.7	43577 / 1105	43578 / 422	2.618	1.623
111.8	43647 / 1924	43648 / 1241	2.426	1.704
111.9	43718 / 695	43719 / 12	2.629	1.812
112	43788 / 1514	43789 / 831	2.476	1.698
112.1	43859 / 285	43859 / 1650	2.591	1.86
112.2	43929 / 1104	43930 / 421	2.501	1.668
112.3	43999 / 1923	44000 / 1240	3.096	1.812
112.4	44070 / 694	44071 / 11	2.847	1.682
112.5	44140 / 1513	44141 / 830	2.599	1.898
112.6	44211 / 284	44211 / 1649	2.514	1.955
112.7	44281 / 1103	44282 / 420	2.363	1.758
112.8	44351 / 1922	44352 / 1239	2.389	1.652
112.9	44422 / 693	44423 / 10	2.314	1.642
113	44492 / 1512	44493 / 829	2.251	1.744
113.1	44563 / 283	44563 / 1648	2.289	1.639
113.2	44633 / 1102	44634 / 419	2.239	1.646
113.3	44703 / 1921	44704 / 1238	2.576	1.732
113.4	44774 / 692	44775 / 9	2.533	1.758
113.5	44844 / 1511	44845 / 828	2.582	1.767
113.6	44915 / 282	44915 / 1647	2.373	1.74
113.7	44985 / 1101	44986 / 418	2.336	1.811
113.8	45055 / 1920	45056 / 1237	2.509	1.753
113.9	45126 / 691	45127 / 8	2.652	1.819

114	45196 / 1510	45197 / 827	2.867	1.845
114.1	45267 / 281	45267 / 1646	2.652	1.713
114.2	45337 / 1100	45338 / 417	2.549	1.731
114.3	45407 / 1919	45408 / 1236	2.865	1.768
114.4	45478 / 690	45479 / 7	2.474	1.706
114.5	45548 / 1509	45549 / 826	2.47	1.672
114.6	45619 / 280	45619 / 1645	2.455	1.703
114.7	45689 / 1099	45690 / 416	2.564	1.644
114.8	45759 / 1918	45760 / 1235	2.611	1.74
114.9	45830 / 689	45831 / 6	2.5	1.583
115	45900 / 1508	45901 / 825	2.942	1.742
115.1	45971 / 279	45971 / 1644	2.956	1.774
115.2	46041 / 1098	46042 / 415	2.614	1.734
115.3	46111 / 1917	46112 / 1234	2.343	1.728
115.4	46182 / 688	46183 / 5	2.678	1.739
115.5	46252 / 1507	46253 / 824	2.578	1.772
115.6	46323 / 278	46323 / 1643	2.917	1.783
115.7	46393 / 1097	46394 / 414	2.764	1.765
115.8	46463 / 1916	46464 / 1233	2.494	1.679
115.9	46534 / 687	46535 / 4	2.604	1.675
116	46604 / 1506	46605 / 823	2.617	1.587
116.1	46675 / 277	46675 / 1642	2.396	1.636
116.2	46745 / 1096	46746 / 413	2.537	1.691
116.3	46815 / 1915	46816 / 1232	2.321	1.611
116.4	46886 / 686	46887 / 3	2.387	1.579
116.5	46956 / 1505	46957 / 822	2.572	1.621
116.6	47027 / 276	47027 / 1641	2.239	1.668
116.7	47097 / 1095	47098 / 412	2.305	1.66
116.8	47167 / 1914	47168 / 1231	4.973	1.966
116.9	47238 / 685	47239 / 2	2.164	1.725
117	47308 / 1504	47309 / 821	2.448	1.609
117.1	47379 / 275	47379 / 1640	2.309	1.668
117.2	47449 / 1094	47450 / 411	2.272	1.686
117.3	47519 / 1913	47520 / 1230	2.219	1.749
117.4	47590 / 684	47591 / 1	2.394	1.682
117.5	47660 / 1503	47661 / 820	2.521	1.726
117.6	47731 / 274	47731 / 1639	2.566	1.713
117.7	47801 / 1093	47802 / 410	2.278	1.619
117.8	47871 / 1912	47872 / 1229	3.45	1.776
117.9	47942 / 683	47943 / 0	2.565	1.777
118	48012 / 1502	48013 / 819	2.299	1.705
118.1	48083 / 273	48083 / 1638	2.851	1.686
118.2	48153 / 1092	48154 / 409	2.722	1.804

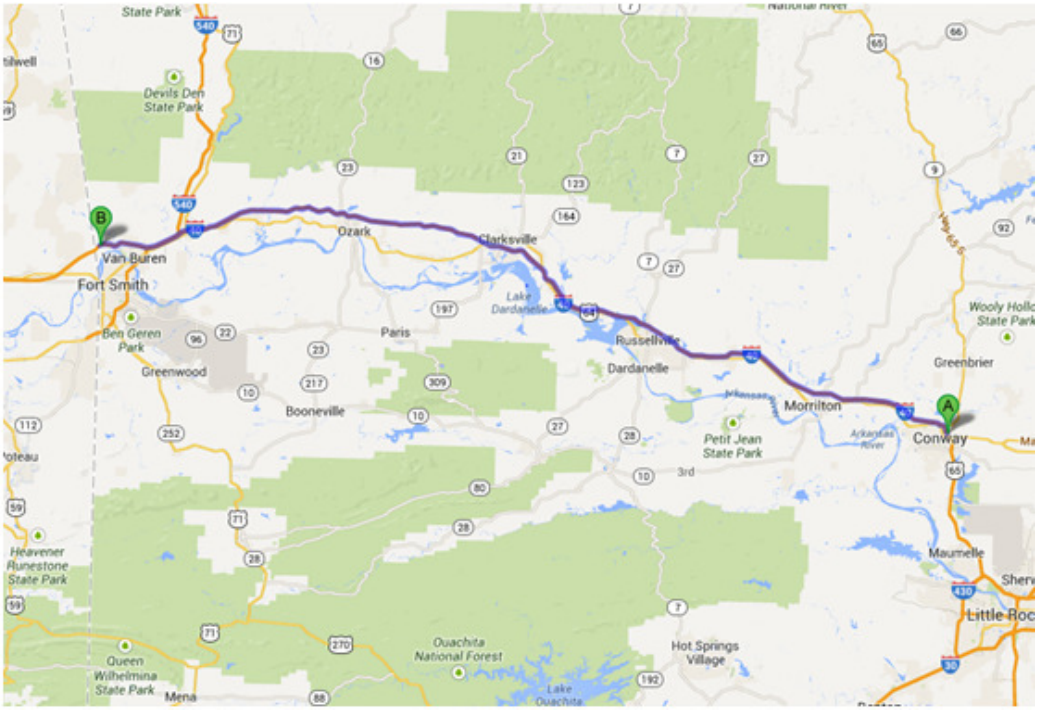
118.3	48223 / 1911	48224 / 1228	2.511	1.703
118.4	48294 / 682	48294 / 2047	2.504	1.717
118.5	48364 / 1501	48365 / 818	2.331	1.67
118.6	48435 / 272	48435 / 1637	2.587	1.679
118.7	48505 / 1091	48506 / 408	2.64	1.706
118.8	48575 / 1910	48576 / 1227	2.608	1.618
118.9	48646 / 681	48646 / 2046	2.683	1.682
119	48716 / 1500	48717 / 817	2.452	1.572
119.1	48787 / 271	48787 / 1636	2.748	1.628
119.2	48857 / 1090	48858 / 407	2.58	1.584
119.3	48927 / 1909	48928 / 1226	2.428	1.586
119.4	48998 / 680	48998 / 2045	2.633	1.725
119.5	49068 / 1499	49069 / 816	2.8	1.504
119.6	49139 / 270	49139 / 1635	2.968	1.857
119.7	49209 / 1089	49210 / 406	3.003	1.673
119.8	49279 / 1908	49280 / 1225	2.127	1.561
119.9	49350 / 679	49350 / 2044	2.711	1.612
120	49420 / 1498	49421 / 815	2.611	1.614
120.1	49491 / 269	49491 / 1634	2.812	1.543
120.2	49561 / 1088	49562 / 405	2.76	1.675
120.3	49631 / 1907	49632 / 1224	1.047	1.058
120.4	49702 / 678	49702 / 2043	2.308	1.53
120.5	49772 / 1497	49773 / 814	2.289	1.404
120.6	49843 / 268	49843 / 1633	2.181	1.439
120.7	49913 / 1087	49914 / 404	2.202	1.454
120.8	49983 / 1906	49984 / 1223	2.512	1.446
120.9	50054 / 677	50054 / 2042	2.252	1.553
121	50124 / 1496	50125 / 813	2.452	1.579
121.1	50195 / 267	50195 / 1632	2.319	1.567
121.2	50265 / 1086	50266 / 403	2.274	1.598
121.3	50335 / 1905	50336 / 1222	2.451	1.825
121.4	50406 / 676	50406 / 2041	2.649	1.53
121.5	50476 / 1495	50477 / 812	2.6	1.614
121.6	50547 / 266	50547 / 1631	2.933	1.545
121.7	50617 / 1085	50618 / 402	2.78	1.466
121.8	50687 / 1904	50688 / 1221	2.646	1.53
121.9	50758 / 675	50758 / 2040	2.251	1.529
122	50828 / 1494	50829 / 811	2.571	1.564
122.1	50899 / 265	50899 / 1630	2.339	1.668
122.2	50969 / 1084	50970 / 401	2.524	1.393
122.3	51039 / 1903	51040 / 1220	2.318	1.337
122.4	51110 / 674	51110 / 2039	2.046	1.525
122.5	51180 / 1493	51181 / 810	2.742	1.388

122.6	51251 / 264	51251 / 1629	2.28	1.328
122.7	51321 / 1083	51322 / 400	2.604	1.332
122.8	51391 / 1902	51392 / 1219	2.646	1.43
122.9	51462 / 673	51462 / 2038	2.603	1.483
123	51532 / 1492	51533 / 809	2.246	1.459
123.1	51603 / 263	51603 / 1628	2.825	1.577
123.2	51673 / 1082	51674 / 399	2.34	1.481
123.3	51743 / 1901	51744 / 1218	2.336	1.552
123.4	51814 / 672	51814 / 2037	2.562	1.516
123.5	51884 / 1491	51885 / 808	2.66	1.557
123.6	51955 / 262	51955 / 1627	2.435	1.474
123.7	52025 / 1081	52026 / 398	2.503	1.369
123.8	52095 / 1900	52096 / 1217	2.648	1.434
123.9	52166 / 671	52166 / 2036	2.658	1.459
124	52236 / 1490	52237 / 807	2.177	1.628
124.1	52307 / 261	52307 / 1626	3.279	1.691
124.2	52377 / 1080	52378 / 397	2.945	1.489
124.3	52447 / 1899	52448 / 1216	2.019	1.484
124.4	52518 / 670	52518 / 2035	1.291	1.215
124.5	52588 / 1489	52589 / 806	2.093	1.296
124.6	52659 / 260	52659 / 1625	2.127	1.29
124.7	52729 / 1079	52730 / 396	3.195	1.303
124.8	52799 / 1898	52800 / 1215	1.914	1.381

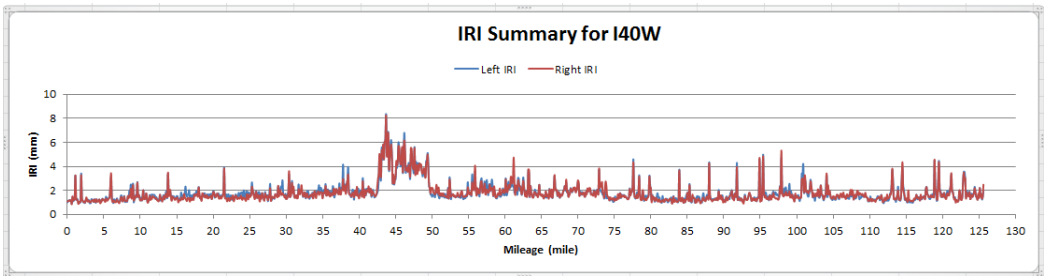
I40W (TO FT SMITH)

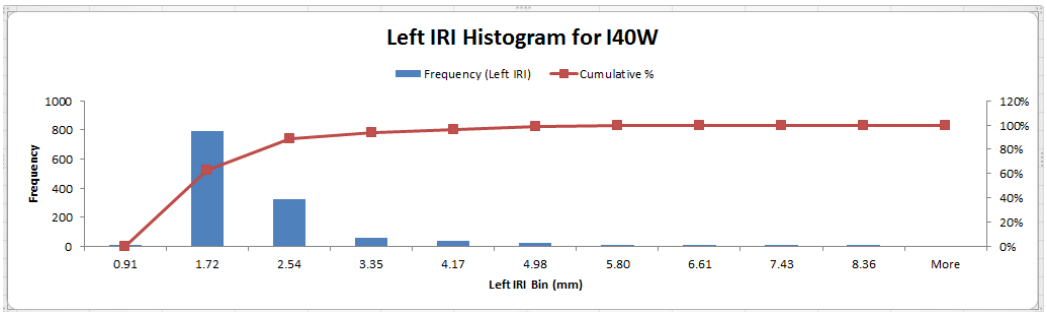
Route Description

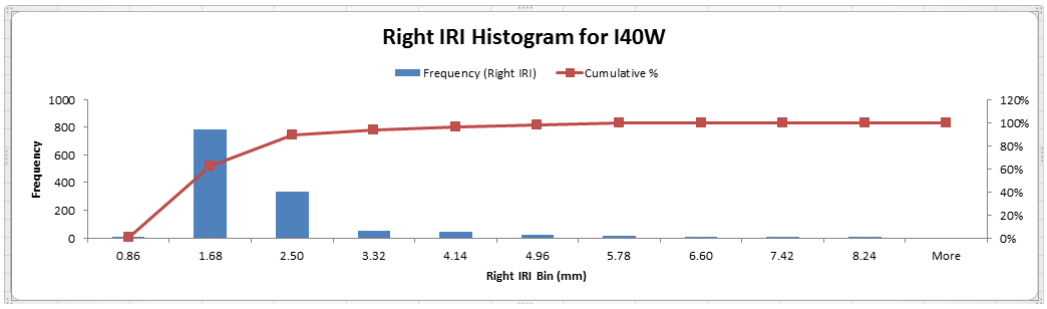
I40-West data collection starts at GPS coordinate of *35.097082,-92.428033*, and ends at GPS coordinate of *35.460091,-94.431359*, with a total length of 125 miles.



IRI Data


IRI Summary for I40W
Left IRI
Right IRI
IRI (mm)
Mileage (mile)


Left IRI Histogram for I40W
Frequency (Left IRI)
Cumulative %
Frequency
Left IRI Bin (mm)


Right IRI Histogram for I40W
Frequency (Right IRI)
Cumulative %
Frequency
Right IRI Bin (mm)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	1.01	1.08
0.1	1	529	1057	1.15	1.11
0.2	2	1057	1585	1.11	1.17
0.3	3	1585	2113	1.21	1.14
0.4	4	2113	2641	1.13	1.20
.5	5	2641	3169	1.15	1.13
0.6	6	3169	3697	0.91	0.86
0.7	7	3697	4225	1.47	1.50
0.8	8	4225	4753	1.12	1.17
0.9	9	4753	5281	1.20	1.30
1	10	5281	5809	1.30	1.24
1.1	11	5809	6337	3.25	3.26
1.2	12	6337	6865	1.24	1.34
1.3	13	6865	7393	1.31	1.22
1.4	14	7393	7921	1.26	1.17
1.5	15	7921	8449	1.02	0.88
1.6	16	8449	8977	0.96	0.97
1.7	17	8977	9505	1.01	1.08
1.8	18	9505	10033	1.01	1.06
1.9	19	10033	10561	3.42	3.27
2	20	10561	11089	1.34	1.28
2.1	21	11089	11617	1.12	1.16
2.2	22	11617	12145	1.01	1.04
2.3	23	12145	12673	1.09	1.09
2.4	24	12673	13201	0.95	0.99
2.5	25	13201	13729	1.17	1.13
2.6	26	13729	14257	1.34	1.43
2.7	27	14257	14785	1.13	1.23
2.8	28	14785	15313	1.16	1.07
2.9	29	15313	15841	1.23	1.17
3	30	15841	16369	1.03	1.07
3.1	31	16369	16897	0.93	1.03
3.2	32	16897	17425	0.96	1.02
3.3	33	17425	17953	1.28	1.17
3.4	34	17953	18481	1.19	1.15
3.5	35	18481	19009	1.23	1.19
3.6	36	19009	19537	1.04	1.06
3.7	37	19537	20065	1.22	1.26
3.8	38	20065	20593	1.27	1.11
3.9	39	20593	21121	0.97	1.04
4	40	21121	21649	1.25	1.27
4.1	41	21649	22177	1.12	1.06

4.2	42	22177	22705	1.11	1.08
4.3	43	22705	23233	1.19	1.10
4.4	44	23233	23761	1.25	1.26
4.5	45	23761	24289	1.05	0.93
4.6	46	24289	24817	1.18	1.02
4.7	47	24817	25345	1.15	1.11
4.8	48	25345	25873	1.32	1.30
4.9	49	25873	26401	1.25	1.22
5	50	26401	26929	1.23	1.23
5.1	51	26929	27457	1.22	1.12
5.2	52	27457	27985	1.25	1.06
5.3	53	27985	28513	1.48	1.33
5.4	54	28513	29041	1.37	1.18
5.5	55	29041	29569	1.25	1.16
5.6	56	29569	30097	1.32	1.27
5.7	57	30097	30625	1.37	1.35
5.8	58	30625	31153	1.52	1.44
5.9	59	31153	31681	2.24	2.49
6	60	31681	32209	3.15	3.41
6.1	61	32209	32737	1.44	1.24
6.2	62	32737	33265	1.16	1.04
6.3	63	33265	33793	0.95	1.06
6.4	64	33793	34321	1.26	1.17
6.5	65	34321	34849	1.20	1.01
6.6	66	34849	35377	1.09	1.04
6.7	67	35377	35905	1.15	1.04
6.8	68	35905	36433	1.34	1.25
6.9	69	36433	36961	1.12	1.07
7	70	36961	37489	1.10	1.07
7.1	71	37489	38017	1.05	0.94
7.2	72	38017	38545	1.12	1.07
7.3	73	38545	39073	1.48	1.35
7.4	74	39073	39601	1.59	1.47
7.5	75	39601	40129	1.11	1.25
7.6	76	40129	40657	1.11	1.09
7.7	77	40657	41185	1.35	1.24
7.8	78	41185	41713	1.55	1.49
7.9	79	41713	42241	1.05	1.17
8	80	42241	42769	1.11	1.11
8.1	81	42769	43297	1.17	1.11
8.2	82	43297	43825	1.06	1.14
8.3	83	43825	44353	1.54	1.55
8.4	84	44353	44881	1.42	1.36

8.5	85	44881	45409	2.01	1.60
8.6	86	45409	45937	1.87	1.47
8.7	87	45937	46465	2.50	2.15
8.8	88	46465	46993	1.62	1.33
8.9	89	46993	47521	1.75	1.52
9	90	47521	48049	2.57	2.45
9.1	91	48049	48577	1.04	1.17
9.2	92	48577	49105	1.35	1.28
9.3	93	49105	49633	1.32	1.44
9.4	94	49633	50161	1.64	1.56
9.5	95	50161	50689	1.50	1.47
9.6	96	50689	51217	2.70	2.65
9.7	97	51217	51745	1.47	1.49
9.8	98	51745	52273	1.63	1.65
9.9	99	52273	52801	1.43	1.41
10	100	52801	53329	1.16	1.17
10.1	101	53329	53857	1.41	1.27
10.2	102	53857	54385	1.16	1.18
10.3	103	54385	54913	1.38	1.36
10.4	104	54913	55441	2.04	2.03
10.5	105	55441	55969	1.42	1.27
10.6	106	55969	56497	1.43	1.35
10.7	107	56497	57025	1.31	1.32
10.8	108	57025	57553	1.76	1.76
10.9	109	57553	58081	1.33	1.49
11	110	58081	58609	1.03	0.99
11.1	111	58609	59137	1.12	1.05
11.2	112	59137	59665	1.32	1.28
11.3	113	59665	60193	1.63	1.56
11.4	114	60193	60721	1.37	1.21
11.5	115	60721	61249	1.63	1.40
11.6	116	61249	61777	1.66	1.30
11.7	117	61777	62305	1.65	1.54
11.8	118	62305	62833	1.63	1.43
11.9	119	62833	63361	1.64	1.45
12	120	63361	63889	1.57	1.37
12.1	121	63889	64417	1.28	1.32
12.2	122	64417	64945	1.45	1.34
12.3	123	64945	65473	1.28	1.19
12.4	124	65473	66001	1.24	1.16
12.5	125	66001	66529	1.18	1.09
12.6	126	66529	67057	1.27	1.22
12.7	127	67057	67585	1.66	1.65

12.8	128	67585	68113	1.16	1.29
12.9	129	68113	68641	1.40	1.31
13	130	68641	69169	1.38	1.07
13.1	131	69169	69697	1.46	1.30
13.2	132	69697	70225	1.62	1.54
13.3	133	70225	70753	1.25	1.29
13.4	134	70753	71281	1.40	1.38
13.5	135	71281	71809	1.82	1.73
13.6	136	71809	72337	1.93	1.54
13.7	137	72337	72865	1.40	1.44
13.8	138	72865	73393	3.38	3.50
13.9	139	73393	73921	1.59	1.55
14	140	73921	74449	1.73	1.72
14.1	141	74449	74977	1.95	2.06
14.2	142	74977	75505	1.48	1.45
14.3	143	75505	76033	1.22	1.14
14.4	144	76033	76561	1.55	1.49
14.5	145	76561	77089	1.41	1.40
14.6	146	77089	77617	1.51	1.37
14.7	147	77617	78145	1.34	1.23
14.8	148	78145	78673	1.31	1.23
14.9	149	78673	79201	1.42	1.37
15	150	79201	79729	1.55	1.34
15.1	151	79729	80257	1.53	1.41
15.2	152	80257	80785	1.21	1.01
15.3	153	80785	81313	1.32	1.18
15.4	154	81313	81841	1.26	1.20
15.5	155	81841	82369	1.33	1.17
15.6	156	82369	82897	1.85	1.42
15.7	157	82897	83425	1.26	1.27
15.8	158	83425	83953	1.48	1.27
15.9	159	83953	84481	1.65	1.26
16	160	84481	85009	1.58	1.72
16.1	161	85009	85537	1.83	1.44
16.2	162	85537	86065	2.33	1.33
16.3	163	86065	86593	1.64	1.21
16.4	164	86593	87121	1.47	1.13
16.5	165	87121	87649	1.62	1.37
16.6	166	87649	88177	1.74	1.38
16.7	167	88177	88705	2.03	1.33
16.8	168	88705	89233	1.38	1.07
16.9	169	89233	89761	1.61	1.39
17	170	89761	90289	1.40	1.20

17.1	171	90289	90817	1.35	1.25
17.2	172	90817	91345	1.65	1.37
17.3	173	91345	91873	1.30	1.21
17.4	174	91873	92401	1.72	1.67
17.5	175	92401	92929	1.59	1.54
17.6	176	92929	93457	1.70	1.65
17.7	177	93457	93985	1.95	1.68
17.8	178	93985	94513	1.69	1.69
17.9	179	94513	95041	1.57	1.49
18	180	95041	95569	2.30	2.25
18.1	181	95569	96097	1.63	1.77
18.2	182	96097	96625	1.35	1.36
18.3	183	96625	97153	1.41	1.49
18.4	184	97153	97681	1.21	1.14
18.5	185	97681	98209	1.63	1.77
18.6	186	98209	98737	1.72	1.73
18.7	187	98737	99265	1.48	1.53
18.8	188	99265	99793	1.78	1.47
18.9	189	99793	100321	1.60	1.43
19	190	100321	100849	1.57	1.63
19.1	191	100849	101377	1.52	1.38
19.2	192	101377	101905	1.69	1.56
19.3	193	101905	102433	1.54	1.34
19.4	194	102433	102961	1.67	1.40
19.5	195	102961	103489	1.45	1.44
19.6	196	103489	104017	1.69	1.48
19.7	197	104017	104545	1.72	1.56
19.8	198	104545	105073	1.28	1.29
19.9	199	105073	105601	1.67	1.55
20	200	105601	106129	1.95	1.86
20.1	201	106129	106657	1.83	1.86
20.2	202	106657	107185	1.42	1.58
20.3	203	107185	107713	1.54	1.47
20.4	204	107713	108241	1.69	1.48
20.5	205	108241	108769	1.71	1.71
20.6	206	108769	109297	1.57	1.74
20.7	207	109297	109825	1.77	1.52
20.8	208	109825	110353	1.57	1.31
20.9	209	110353	110881	1.46	1.38
21	210	110881	111409	1.59	1.51
21.1	211	111409	111937	1.54	1.32
21.2	212	111937	112465	1.55	1.47
21.3	213	112465	112993	1.68	1.57

21.4	214	112993	113521	1.84	1.88
21.5	215	113521	114049	3.94	3.84
21.6	216	114049	114577	1.50	1.38
21.7	217	114577	115105	1.66	1.31
21.8	218	115105	115633	1.66	1.36
21.9	219	115633	116161	1.26	1.10
22	220	116161	116689	1.61	1.33
22.1	221	116689	117217	1.68	1.36
22.2	222	117217	117745	1.20	1.12
22.3	223	117745	118273	1.28	1.19
22.4	224	118273	118801	1.60	1.41
22.5	225	118801	119329	1.35	1.32
22.6	226	119329	119857	1.22	1.32
22.7	227	119857	120385	1.55	1.61
22.8	228	120385	120913	1.21	1.11
22.9	229	120913	121441	1.41	1.25
23	230	121441	121969	1.47	1.47
23.1	231	121969	122497	1.68	1.57
23.2	232	122497	123025	1.39	1.52
23.3	233	123025	123553	1.49	1.29
23.4	234	123553	124081	1.56	1.34
23.5	235	124081	124609	1.82	1.39
23.6	236	124609	125137	1.55	1.32
23.7	237	125137	125665	1.44	1.38
23.8	238	125665	126193	1.81	1.57
23.9	239	126193	126721	1.84	1.35
24	240	126721	127249	1.84	1.23
24.1	241	127249	127777	1.43	1.41
24.2	242	127777	128305	2.01	1.38
24.3	243	128305	128833	1.75	1.33
24.4	244	128833	129361	1.40	1.22
24.5	245	129361	129889	1.59	1.14
24.6	246	129889	130417	1.94	1.67
24.7	247	130417	130945	1.78	1.62
24.8	248	130945	131473	1.50	1.26
24.9	249	131473	132001	1.84	1.66
25	250	132001	132529	1.55	1.45
25.1	251	132529	133057	1.51	1.50
25.2	252	133057	133585	1.83	1.63
25.3	253	133585	134113	2.68	2.31
25.4	254	134113	134641	2.10	2.06
25.5	255	134641	135169	1.72	1.73
25.6	256	135169	135697	1.65	1.49

25.7	257	135697	136225	1.36	1.29
25.8	258	136225	136753	1.83	1.71
25.9	259	136753	137281	1.93	1.88
26	260	137281	137809	1.39	1.39
26.1	261	137809	138337	1.49	1.48
26.2	262	138337	138865	1.85	1.63
26.3	263	138865	139393	1.88	1.28
26.4	264	139393	139921	1.53	1.09
26.5	265	139921	140449	1.68	1.59
26.6	266	140449	140977	1.55	1.31
26.7	267	140977	141505	1.80	1.79
26.8	268	141505	142033	1.53	1.49
26.9	269	142033	142561	1.46	1.47
27	270	142561	143089	1.18	1.15
27.1	271	143089	143617	1.86	1.75
27.2	272	143617	144145	1.60	1.56
27.3	273	144145	144673	1.41	1.40
27.4	274	144673	145201	1.62	1.52
27.5	275	145201	145729	1.10	1.19
27.6	276	145729	146257	1.61	1.59
27.7	277	146257	146785	1.60	1.43
27.8	278	146785	147313	2.55	2.19
27.9	279	147313	147841	1.20	1.14
28	280	147841	148369	1.20	1.32
28.1	281	148369	148897	1.42	1.50
28.2	282	148897	149425	1.43	1.42
28.3	283	149425	149953	1.34	1.41
28.4	284	149953	150481	1.31	1.36
28.5	285	150481	151009	1.69	1.70
28.6	286	151009	151537	1.63	1.55
28.7	287	151537	152065	1.64	1.63
28.8	288	152065	152593	1.67	1.45
28.9	289	152593	153121	2.34	2.40
29	290	153121	153649	2.06	1.52
29.1	291	153649	154177	2.07	1.89
29.2	292	154177	154705	2.12	2.03
29.3	293	154705	155233	2.35	1.67
29.4	294	155233	155761	2.18	1.62
29.5	295	155761	156289	2.85	1.78
29.6	296	156289	156817	1.65	1.64
29.7	297	156817	157345	1.58	1.61
29.8	298	157345	157873	1.51	1.40
29.9	299	157873	158401	1.73	1.61

30	300	158401	158929	1.30	1.28
30.1	301	158929	159457	1.36	1.32
30.2	302	159457	159985	1.68	1.43
30.3	303	159985	160513	1.92	1.90
30.4	304	160513	161041	3.31	3.61
30.5	305	161041	161569	1.48	1.46
30.6	306	161569	162097	2.07	1.49
30.7	307	162097	162625	1.98	1.71
30.8	308	162625	163153	2.80	2.64
30.9	309	163153	163681	1.81	1.79
31	310	163681	164209	2.13	2.34
31.1	311	164209	164737	1.47	1.61
31.2	312	164737	165265	1.44	1.37
31.3	313	165265	165793	1.46	1.46
31.4	314	165793	166321	1.49	1.62
31.5	315	166321	166849	1.40	1.34
31.6	316	166849	167377	1.66	1.38
31.7	317	167377	167905	2.52	2.10
31.8	318	167905	168433	1.83	1.74
31.9	319	168433	168961	1.83	1.68
32	320	168961	169489	1.96	2.02
32.1	321	169489	170017	2.05	2.45
32.2	322	170017	170545	1.81	1.90
32.3	323	170545	171073	1.48	1.57
32.4	324	171073	171601	1.53	1.51
32.5	325	171601	172129	1.74	1.85
32.6	326	172129	172657	1.80	1.73
32.7	327	172657	173185	1.34	1.41
32.8	328	173185	173713	1.80	1.74
32.9	329	173713	174241	1.93	1.71
33	330	174241	174769	1.96	1.43
33.1	331	174769	175297	1.57	1.41
33.2	332	175297	175825	1.30	1.45
33.3	333	175825	176353	1.57	1.63
33.4	334	176353	176881	1.64	1.54
33.5	335	176881	177409	1.48	1.57
33.6	336	177409	177937	1.82	1.73
33.7	337	177937	178465	1.42	1.33
33.8	338	178465	178993	1.83	1.67
33.9	339	178993	179521	1.87	1.95
34	340	179521	180049	1.87	1.65
34.1	341	180049	180577	1.63	1.37
34.2	342	180577	181105	1.97	1.76

34.3	343	181105	181633	1.90	1.76
34.4	344	181633	182161	2.08	1.93
34.5	345	182161	182689	2.44	1.62
34.6	346	182689	183217	1.90	1.79
34.7	347	183217	183745	2.22	1.84
34.8	348	183745	184273	2.20	1.87
34.9	349	184273	184801	1.85	1.65
35	350	184801	185329	1.43	1.34
35.1	351	185329	185857	1.87	1.83
35.2	352	185857	186385	2.07	1.77
35.3	353	186385	186913	1.77	1.83
35.4	354	186913	187441	2.55	2.38
35.5	355	187441	187969	1.58	1.59
35.6	356	187969	188497	1.72	1.59
35.7	357	188497	189025	2.10	2.03
35.8	358	189025	189553	1.67	1.62
35.9	359	189553	190081	2.00	1.88
36	360	190081	190609	1.53	1.51
36.1	361	190609	191137	1.89	1.55
36.2	362	191137	191665	1.86	1.75
36.3	363	191665	192193	1.74	1.77
36.4	364	192193	192721	2.37	1.61
36.5	365	192721	193249	2.06	2.13
36.6	366	193249	193777	1.42	2.14
36.7	367	193777	194305	1.76	1.67
36.8	368	194305	194833	2.11	1.86
36.9	369	194833	195361	2.08	2.13
37	370	195361	195889	1.81	1.90
37.1	371	195889	196417	1.93	1.80
37.2	372	196417	196945	2.04	1.68
37.3	373	196945	197473	2.60	2.24
37.4	374	197473	198001	1.73	1.71
37.5	375	198001	198529	2.04	1.66
37.6	376	198529	199057	2.25	2.05
37.7	377	199057	199585	2.14	2.04
37.8	378	199585	200113	4.16	2.96
37.9	379	200113	200641	2.29	1.98
38	380	200641	201169	2.54	2.42
38.1	381	201169	201697	2.26	2.00
38.2	382	201697	202225	1.81	1.73
38.3	383	202225	202753	2.52	2.56
38.4	384	202753	203281	2.90	2.81
38.5	385	203281	203809	3.96	3.31

38.6	386	203809	204337	2.17	1.81
38.7	387	204337	204865	1.62	1.67
38.8	388	204865	205393	1.74	1.67
38.9	389	205393	205921	1.44	1.50
39	390	205921	206449	1.64	1.57
39.1	391	206449	206977	2.08	1.80
39.2	392	206977	207505	2.00	1.77
39.3	393	207505	208033	1.23	1.44
39.4	394	208033	208561	1.96	1.94
39.5	395	208561	209089	2.02	2.01
39.6	396	209089	209617	1.61	1.60
39.7	397	209617	210145	1.83	2.30
39.8	398	210145	210673	1.95	1.56
39.9	399	210673	211201	2.15	1.55
40	400	211201	211729	1.56	1.33
40.1	401	211729	212257	2.00	1.74
40.2	402	212257	212785	1.96	1.73
40.3	403	212785	213313	2.01	1.93
40.4	404	213313	213841	1.61	1.50
40.5	405	213841	214369	3.03	2.79
40.6	406	214369	214897	1.96	1.81
40.7	407	214897	215425	1.45	1.39
40.8	408	215425	215953	2.11	2.03
40.9	409	215953	216481	1.58	1.64
41	410	216481	217009	2.11	2.03
41.1	411	217009	217537	2.14	1.97
41.2	412	217537	218065	1.88	1.93
41.3	413	218065	218593	2.21	2.35
41.4	414	218593	219121	1.89	1.82
41.5	415	219121	219649	2.17	2.04
41.6	416	219649	220177	1.90	2.15
41.7	417	220177	220705	1.46	1.56
41.8	418	220705	221233	1.88	1.97
41.9	419	221233	221761	2.06	1.85
42	420	221761	222289	1.65	1.74
42.1	421	222289	222817	1.42	1.61
42.2	422	222817	223345	1.47	1.50
42.3	423	223345	223873	1.58	1.60
42.4	424	223873	224401	1.67	1.71
42.5	425	224401	224929	1.85	2.41
42.6	426	224929	225457	2.03	3.01
42.7	427	225457	225985	3.19	3.47
42.8	428	225985	226513	4.93	5.04

42.9	429	226513	227041	3.39	3.41
43	430	227041	227569	2.88	3.12
43.1	431	227569	228097	5.56	5.32
43.2	432	228097	228625	4.56	4.80
43.3	433	228625	229153	5.81	5.82
43.4	434	229153	229681	4.56	4.59
43.5	435	229681	230209	6.04	6.07
43.6	436	230209	230737	6.19	6.03
43.7	437	230737	231265	8.36	8.24
43.8	438	231265	231793	5.17	4.89
43.9	439	231793	232321	5.59	5.68
44	440	232321	232849	6.84	6.75
44.1	441	232849	233377	3.68	3.79
44.2	442	233377	233905	4.67	4.61
44.3	443	233905	234433	5.72	5.40
44.4	444	234433	234961	6.18	5.81
44.5	445	234961	235489	4.95	4.77
44.6	446	235489	236017	2.60	2.63
44.7	447	236017	236545	3.17	3.32
44.8	448	236545	237073	2.48	2.59
44.9	449	237073	237601	2.91	2.92
45	450	237601	238129	2.91	3.15
45.1	451	238129	238657	3.92	4.44
45.2	452	238657	239185	3.88	4.07
45.3	453	239185	239713	4.50	4.40
45.4	454	239713	240241	6.01	5.70
45.5	455	240241	240769	5.39	5.55
45.6	456	240769	241297	4.50	4.51
45.7	457	241297	241825	3.98	4.16
45.8	458	241825	242353	4.49	4.50
45.9	459	242353	242881	5.43	5.62
46	460	242881	243409	3.43	3.51
46.1	461	243409	243937	4.97	5.13
46.2	462	243937	244465	6.79	6.18
46.3	463	244465	244993	4.92	5.21
46.4	464	244993	245521	3.48	3.68
46.5	465	245521	246049	4.02	3.90
46.6	466	246049	246577	3.91	3.87
46.7	467	246577	247105	3.60	3.55
46.8	468	247105	247633	4.31	4.13
46.9	469	247633	248161	3.94	3.92
47	470	248161	248689	2.96	3.17
47.1	471	248689	249217	5.05	5.54

47.2	472	249217	249745	5.01	5.47
47.3	473	249745	250273	4.16	4.24
47.4	474	250273	250801	3.75	3.87
47.5	475	250801	251329	3.46	3.76
47.6	476	251329	251857	5.62	5.53
47.7	477	251857	252385	3.40	3.31
47.8	478	252385	252913	4.38	4.14
47.9	479	252913	253441	3.95	3.69
48	480	253441	253969	3.48	3.38
48.1	481	253969	254497	4.28	4.14
48.2	482	254497	255025	4.01	3.66
48.3	483	255025	255553	4.26	4.26
48.4	484	255553	256081	3.99	4.00
48.5	485	256081	256609	4.08	4.16
48.6	486	256609	257137	3.77	3.51
48.7	487	257137	257665	3.18	3.40
48.8	488	257665	258193	3.38	3.61
48.9	489	258193	258721	3.72	3.85
49	490	258721	259249	3.43	3.40
49.1	491	259249	259777	3.15	3.08
49.2	492	259777	260305	4.47	4.20
49.3	493	260305	260833	4.43	4.44
49.4	494	260833	261361	5.12	4.97
49.5	495	261361	261889	4.12	3.53
49.6	496	261889	262417	2.33	2.50
49.7	497	262417	262945	2.23	2.09
49.8	498	262945	263473	1.66	1.76
49.9	499	263473	264001	1.71	2.20
50	500	264001	264529	1.49	2.22
50.1	501	264529	265057	1.59	2.15
50.2	502	265057	265585	1.67	1.83
50.3	503	265585	266113	1.63	1.75
50.4	504	266113	266641	1.43	1.68
50.5	505	266641	267169	1.96	1.87
50.6	506	267169	267697	2.14	2.48
50.7	507	267697	268225	1.83	2.03
50.8	508	268225	268753	1.69	1.78
50.9	509	268753	269281	1.55	2.26
51	510	269281	269809	1.34	1.62
51.1	511	269809	270337	1.60	1.79
51.2	512	270337	270865	1.51	1.54
51.3	513	270865	271393	1.63	1.76
51.4	514	271393	271921	1.47	1.54

51.5	515	271921	272449	1.70	1.77
51.6	516	272449	272977	1.73	1.66
51.7	517	272977	273505	1.40	1.54
51.8	518	273505	274033	1.72	1.52
51.9	519	274033	274561	1.42	1.53
52	520	274561	275089	1.39	1.42
52.1	521	275089	275617	1.38	1.45
52.2	522	275617	276145	2.22	2.11
52.3	523	276145	276673	1.35	1.32
52.4	524	276673	277201	3.08	2.90
52.5	525	277201	277729	2.21	2.22
52.6	526	277729	278257	1.28	1.49
52.7	527	278257	278785	1.71	1.60
52.8	528	278785	279313	1.60	1.63
52.9	529	279313	279841	1.61	1.69
53	530	279841	280369	1.56	1.50
53.1	531	280369	280897	1.56	1.59
53.2	532	280897	281425	1.43	1.44
53.3	533	281425	281953	1.47	1.48
53.4	534	281953	282481	1.50	1.54
53.5	535	282481	283009	1.50	1.82
53.6	536	283009	283537	1.48	1.59
53.7	537	283537	284065	1.43	1.58
53.8	538	284065	284593	1.47	1.45
53.9	539	284593	285121	1.39	1.67
54	540	285121	285649	1.56	1.92
54.1	541	285649	286177	1.66	1.96
54.2	542	286177	286705	1.44	1.58
54.3	543	286705	287233	1.27	1.46
54.4	544	287233	287761	1.35	1.47
54.5	545	287761	288289	1.46	1.55
54.6	546	288289	288817	1.38	1.49
54.7	547	288817	289345	1.69	1.58
54.8	548	289345	289873	1.52	1.57
54.9	549	289873	290401	2.70	2.26
55	550	290401	290929	1.82	1.96
55.1	551	290929	291457	1.86	1.68
55.2	552	291457	291985	1.69	1.72
55.3	553	291985	292513	1.66	1.88
55.4	554	292513	293041	1.53	1.63
55.5	555	293041	293569	3.33	2.68
55.6	556	293569	294097	2.45	2.24
55.7	557	294097	294625	2.26	2.01

55.8	558	294625	295153	2.36	2.33
55.9	559	295153	295681	3.61	4.07
56	560	295681	296209	2.01	2.21
56.1	561	296209	296737	1.80	1.56
56.2	562	296737	297265	2.17	2.21
56.3	563	297265	297793	1.66	1.77
56.4	564	297793	298321	2.14	2.09
56.5	565	298321	298849	1.50	1.75
56.6	566	298849	299377	2.30	2.22
56.7	567	299377	299905	2.87	2.74
56.8	568	299905	300433	3.00	2.77
56.9	569	300433	300961	1.88	1.80
57	570	300961	301489	2.05	1.88
57.1	571	301489	302017	2.28	2.07
57.2	572	302017	302545	2.76	2.57
57.3	573	302545	303073	2.26	1.72
57.4	574	303073	303601	2.06	1.65
57.5	575	303601	304129	2.88	2.09
57.6	576	304129	304657	2.20	1.86
57.7	577	304657	305185	1.60	1.82
57.8	578	305185	305713	2.27	1.84
57.9	579	305713	306241	2.55	2.49
58	580	306241	306769	1.95	2.00
58.1	581	306769	307297	2.20	2.22
58.2	582	307297	307825	2.92	2.22
58.3	583	307825	308353	2.40	2.03
58.4	584	308353	308881	1.52	1.56
58.5	585	308881	309409	2.10	2.35
58.6	586	309409	309937	1.85	1.91
58.7	587	309937	310465	1.51	1.42
58.8	588	310465	310993	1.35	1.42
58.9	589	310993	311521	1.35	1.49
59	590	311521	312049	1.60	1.75
59.1	591	312049	312577	1.70	1.62
59.2	592	312577	313105	1.79	1.75
59.3	593	313105	313633	1.50	2.17
59.4	594	313633	314161	1.47	1.62
59.5	595	314161	314689	1.60	1.77
59.6	596	314689	315217	1.62	1.84
59.7	597	315217	315745	2.16	2.08
59.8	598	315745	316273	2.01	2.01
59.9	599	316273	316801	1.60	1.78
60	600	316801	317329	1.76	1.91

60.1	601	317329	317857	3.01	2.93
60.2	602	317857	318385	1.60	2.09
60.3	603	318385	318913	1.70	1.85
60.4	604	318913	319441	2.45	2.08
60.5	605	319441	319969	2.74	2.46
60.6	606	319969	320497	2.14	2.19
60.7	607	320497	321025	2.37	2.33
60.8	608	321025	321553	2.29	3.15
60.9	609	321553	322081	2.79	2.95
61	610	322081	322609	2.58	2.58
61.1	611	322609	323137	2.31	3.20
61.2	612	323137	323665	2.30	4.73
61.3	613	323665	324193	1.80	2.62
61.4	614	324193	324721	2.02	1.62
61.5	615	324721	325249	2.39	2.42
61.6	616	325249	325777	2.15	2.34
61.7	617	325777	326305	1.67	2.01
61.8	618	326305	326833	3.05	2.85
61.9	619	326833	327361	2.96	2.58
62	620	327361	327889	2.00	2.36
62.1	621	327889	328417	2.36	2.35
62.2	622	328417	328945	2.02	1.92
62.3	623	328945	329473	1.63	1.69
62.4	624	329473	330001	2.18	2.16
62.5	625	330001	330529	3.09	2.82
62.6	626	330529	331057	2.46	2.29
62.7	627	331057	331585	1.79	1.72
62.8	628	331585	332113	1.60	1.51
62.9	629	332113	332641	1.95	1.92
63	630	332641	333169	1.64	1.45
63.1	631	333169	333697	1.69	1.71
63.2	632	333697	334225	3.68	3.76
63.3	633	334225	334753	3.38	3.69
63.4	634	334753	335281	1.44	1.53
63.5	635	335281	335809	2.38	2.37
63.6	636	335809	336337	1.79	1.70
63.7	637	336337	336865	1.66	1.67
63.8	638	336865	337393	1.46	1.40
63.9	639	337393	337921	1.46	1.42
64	640	337921	338449	1.74	1.87
64.1	641	338449	338977	2.07	1.86
64.2	642	338977	339505	1.91	1.77
64.3	643	339505	340033	1.61	1.59

64.4	644	340033	340561	1.74	1.71
64.5	645	340561	341089	1.50	1.43
64.6	646	341089	341617	1.88	1.76
64.7	647	341617	342145	2.48	2.48
64.8	648	342145	342673	1.79	1.74
64.9	649	342673	343201	1.68	1.59
65	650	343201	343729	1.67	1.68
65.1	651	343729	344257	1.54	1.50
65.2	652	344257	344785	1.61	1.66
65.3	653	344785	345313	1.39	1.33
65.4	654	345313	345841	1.59	1.49
65.5	655	345841	346369	1.43	1.53
65.6	656	346369	346897	1.86	1.94
65.7	657	346897	347425	1.41	1.51
65.8	658	347425	347953	1.55	1.62
65.9	659	347953	348481	1.58	1.66
66	660	348481	349009	1.42	1.32
66.1	661	349009	349537	2.14	2.09
66.2	662	349537	350065	1.52	1.57
66.3	663	350065	350593	1.55	1.49
66.4	664	350593	351121	2.03	2.08
66.5	665	351121	351649	1.38	1.41
66.6	666	351649	352177	1.93	1.82
66.7	667	352177	352705	2.16	2.25
66.8	668	352705	353233	3.22	3.29
66.9	669	353233	353761	2.26	2.12
67	670	353761	354289	2.04	1.99
67.1	671	354289	354817	1.97	2.06
67.2	672	354817	355345	1.53	1.57
67.3	673	355345	355873	1.73	1.71
67.4	674	355873	356401	1.89	1.86
67.5	675	356401	356929	1.40	1.40
67.6	676	356929	357457	1.48	1.68
67.7	677	357457	357985	1.62	1.64
67.8	678	357985	358513	1.64	1.55
67.9	679	358513	359041	1.72	1.72
68	680	359041	359569	1.98	1.98
68.1	681	359569	360097	2.12	2.01
68.2	682	360097	360625	2.39	2.37
68.3	683	360625	361153	1.99	2.11
68.4	684	361153	361681	2.70	2.90
68.5	685	361681	362209	1.84	1.89
68.6	686	362209	362737	2.00	1.97

68.7	687	362737	363265	1.49	1.47
68.8	688	363265	363793	1.67	1.60
68.9	689	363793	364321	1.82	1.72
69	690	364321	364849	2.20	2.16
69.1	691	364849	365377	2.02	1.94
69.2	692	365377	365905	1.85	1.92
69.3	693	365905	366433	2.00	2.02
69.4	694	366433	366961	2.20	2.25
69.5	695	366961	367489	2.08	2.04
69.6	696	367489	368017	2.15	2.26
69.7	697	368017	368545	1.88	1.85
69.8	698	368545	369073	2.06	1.98
69.9	699	369073	369601	2.23	2.30
70	700	369601	370129	2.72	2.85
70.1	701	370129	370657	2.51	2.66
70.2	702	370657	371185	1.61	1.56
70.3	703	371185	371713	1.94	1.83
70.4	704	371713	372241	1.62	1.72
70.5	705	372241	372769	1.84	1.75
70.6	706	372769	373297	1.86	1.66
70.7	707	373297	373825	1.79	1.79
70.8	708	373825	374353	1.78	1.83
70.9	709	374353	374881	1.52	1.49
71	710	374881	375409	1.49	1.49
71.1	711	375409	375937	1.87	1.91
71.2	712	375937	376465	1.73	1.67
71.3	713	376465	376993	2.11	2.17
71.4	714	376993	377521	1.92	2.00
71.5	715	377521	378049	2.02	1.94
71.6	716	378049	378577	2.14	2.22
71.7	717	378577	379105	2.05	2.11
71.8	718	379105	379633	1.68	1.65
71.9	719	379633	380161	1.72	1.68
72	720	380161	380689	1.67	1.69
72.1	721	380689	381217	1.62	1.57
72.2	722	381217	381745	2.02	1.95
72.3	723	381745	382273	1.90	1.87
72.4	724	382273	382801	1.57	1.45
72.5	725	382801	383329	1.79	1.68
72.6	726	383329	383857	2.06	2.01
72.7	727	383857	384385	2.05	1.95
72.8	728	384385	384913	1.73	1.67
72.9	729	384913	385441	3.75	3.84

73	730	385441	385969	2.15	2.25
73.1	731	385969	386497	2.01	2.59
73.2	732	386497	387025	1.87	2.31
73.3	733	387025	387553	1.85	2.70
73.4	734	387553	388081	1.64	1.83
73.5	735	388081	388609	1.84	1.74
73.6	736	388609	389137	1.32	1.39
73.7	737	389137	389665	1.90	2.12
73.8	738	389665	390193	1.68	2.75
73.9	739	390193	390721	1.34	2.36
74	740	390721	391249	1.52	1.65
74.1	741	391249	391777	1.35	1.48
74.2	742	391777	392305	1.46	1.41
74.3	743	392305	392833	1.32	1.18
74.4	744	392833	393361	1.16	1.44
74.5	745	393361	393889	1.29	1.35
74.6	746	393889	394417	1.24	1.25
74.7	747	394417	394945	1.31	1.25
74.8	748	394945	395473	1.07	1.38
74.9	749	395473	396001	1.05	1.30
75	750	396001	396529	1.20	1.13
75.1	751	396529	397057	1.51	1.33
75.2	752	397057	397585	1.20	1.25
75.3	753	397585	398113	1.34	1.20
75.4	754	398113	398641	1.31	1.33
75.5	755	398641	399169	1.47	1.71
75.6	756	399169	399697	1.36	1.31
75.7	757	399697	400225	1.63	1.59
75.8	758	400225	400753	1.79	1.76
75.9	759	400753	401281	1.37	1.42
76	760	401281	401809	1.65	1.60
76.1	761	401809	402337	1.53	1.50
76.2	762	402337	402865	1.54	1.53
76.3	763	402865	403393	1.63	1.60
76.4	764	403393	403921	1.58	1.43
76.5	765	403921	404449	1.50	1.53
76.6	766	404449	404977	1.43	1.45
76.7	767	404977	405505	1.35	1.37
76.8	768	405505	406033	1.30	1.28
76.9	769	406033	406561	1.38	1.27
77	770	406561	407089	1.43	1.40
77.1	771	407089	407617	2.18	2.13
77.2	772	407617	408145	1.64	1.59

77.3	773	408145	408673	1.89	1.82
77.4	774	408673	409201	1.86	1.93
77.5	775	409201	409729	2.26	2.36
77.6	776	409729	410257	4.60	4.35
77.7	777	410257	410785	2.05	1.83
77.8	778	410785	411313	1.44	1.45
77.9	779	411313	411841	1.32	1.46
78	780	411841	412369	1.45	1.35
78.1	781	412369	412897	1.85	1.68
78.2	782	412897	413425	1.46	1.37
78.3	783	413425	413953	1.88	1.78
78.4	784	413953	414481	3.27	3.18
78.5	785	414481	415009	1.85	1.80
78.6	786	415009	415537	1.33	1.24
78.7	787	415537	416065	1.29	1.18
78.8	788	416065	416593	1.34	1.26
78.9	789	416593	417121	1.91	2.04
79	790	417121	417649	1.26	1.45
79.1	791	417649	418177	1.13	1.29
79.2	792	418177	418705	1.46	1.20
79.3	793	418705	419233	1.58	1.33
79.4	794	419233	419761	1.31	1.19
79.5	795	419761	420289	1.49	1.36
79.6	796	420289	420817	1.56	1.42
79.7	797	420817	421345	1.70	1.59
79.8	798	421345	421873	3.24	3.17
79.9	799	421873	422401	2.49	2.26
80	800	422401	422929	1.98	2.23
80.1	801	422929	423457	1.21	1.02
80.2	802	423457	423985	1.64	1.55
80.3	803	423985	424513	1.35	1.30
80.4	804	424513	425041	1.45	1.45
80.5	805	425041	425569	1.09	1.14
80.6	806	425569	426097	1.09	1.17
80.7	807	426097	426625	1.42	1.39
80.8	808	426625	427153	1.44	1.28
80.9	809	427153	427681	1.78	1.16
81	810	427681	428209	1.53	1.07
81.1	811	428209	428737	1.31	1.26
81.2	812	428737	429265	1.42	1.22
81.3	813	429265	429793	1.07	1.03
81.4	814	429793	430321	1.14	1.10
81.5	815	430321	430849	0.97	1.06

81.6	816	430849	431377	1.54	1.17
81.7	817	431377	431905	1.26	1.22
81.8	818	431905	432433	1.23	1.05
81.9	819	432433	432961	1.07	1.16
82	820	432961	433489	1.21	1.31
82.1	821	433489	434017	1.29	1.24
82.2	822	434017	434545	1.31	1.23
82.3	823	434545	435073	1.02	1.19
82.4	824	435073	435601	1.07	1.11
82.5	825	435601	436129	1.12	1.25
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82.7	827	436657	437185	1.25	1.25
82.8	828	437185	437713	1.42	1.25
82.9	829	437713	438241	0.95	0.90
83	830	438241	438769	1.10	1.04
83.1	831	438769	439297	1.54	1.48
83.2	832	439297	439825	1.13	1.05
83.3	833	439825	440353	1.33	1.22
83.4	834	440353	440881	1.36	1.19
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83.7	837	441937	442465	1.00	1.07
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84	840	443521	444049	1.36	1.34
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84.2	842	444577	445105	1.23	1.21
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84.4	844	445633	446161	1.17	1.16
84.5	845	446161	446689	0.99	0.96
84.6	846	446689	447217	1.33	1.25
84.7	847	447217	447745	1.01	1.05
84.8	848	447745	448273	1.44	1.19
84.9	849	448273	448801	1.67	1.30
85	850	448801	449329	1.78	1.82
85.1	851	449329	449857	1.83	1.48
85.2	852	449857	450385	1.37	1.16
85.3	853	450385	450913	2.55	2.45
85.4	854	450913	451441	1.10	1.15
85.5	855	451441	451969	1.12	1.29
85.6	856	451969	452497	1.00	1.06
85.7	857	452497	453025	1.50	1.65
85.8	858	453025	453553	1.39	1.39

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86	860	454081	454609	1.04	1.37
86.1	861	454609	455137	0.97	0.98
86.2	862	455137	455665	1.26	1.23
86.3	863	455665	456193	1.49	1.02
86.4	864	456193	456721	1.54	1.18
86.5	865	456721	457249	1.35	1.33
86.6	866	457249	457777	1.49	1.21
86.7	867	457777	458305	1.35	1.11
86.8	868	458305	458833	1.00	0.92
86.9	869	458833	459361	1.14	1.05
87	870	459361	459889	0.98	1.12
87.1	871	459889	460417	1.51	1.34
87.2	872	460417	460945	1.78	1.40
87.3	873	460945	461473	1.41	1.18
87.4	874	461473	462001	1.17	1.17
87.5	875	462001	462529	1.18	1.12
87.6	876	462529	463057	1.35	1.42
87.7	877	463057	463585	1.65	1.49
87.8	878	463585	464113	1.39	1.33
87.9	879	464113	464641	1.35	1.23
88	880	464641	465169	4.35	4.27
88.1	881	465169	465697	1.60	1.73
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88.3	883	466225	466753	1.25	1.21
88.4	884	466753	467281	1.26	1.10
88.5	885	467281	467809	1.29	1.15
88.6	886	467809	468337	1.20	1.22
88.7	887	468337	468865	1.29	1.27
88.8	888	468865	469393	1.34	1.25
88.9	889	469393	469921	1.33	1.20
89	890	469921	470449	1.21	1.38
89.1	891	470449	470977	1.34	1.37
89.2	892	470977	471505	1.33	1.20
89.3	893	471505	472033	2.06	1.93
89.4	894	472033	472561	1.47	1.32
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89.6	896	473089	473617	1.52	1.61
89.7	897	473617	474145	1.34	1.24
89.8	898	474145	474673	1.60	1.45
89.9	899	474673	475201	1.19	1.01
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90.1	901	475729	476257	1.23	1.18

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90.3	903	476785	477313	1.35	1.42
90.4	904	477313	477841	1.51	1.39
90.5	905	477841	478369	1.30	1.17
90.6	906	478369	478897	1.39	1.30
90.7	907	478897	479425	1.34	1.41
90.8	908	479425	479953	1.29	1.53
90.9	909	479953	480481	1.78	1.57
91	910	480481	481009	1.83	1.65
91.1	911	481009	481537	2.03	1.97
91.2	912	481537	482065	1.38	1.32
91.3	913	482065	482593	1.64	1.53
91.4	914	482593	483121	1.23	1.18
91.5	915	483121	483649	1.75	1.75
91.6	916	483649	484177	1.50	1.47
91.7	917	484177	484705	1.47	1.53
91.8	918	484705	485233	4.30	3.94
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92	920	485761	486289	1.33	1.34
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92.4	924	487873	488401	1.33	1.34
92.5	925	488401	488929	1.23	1.08
92.6	926	488929	489457	1.22	1.20
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94	940	496321	496849	1.25	1.37
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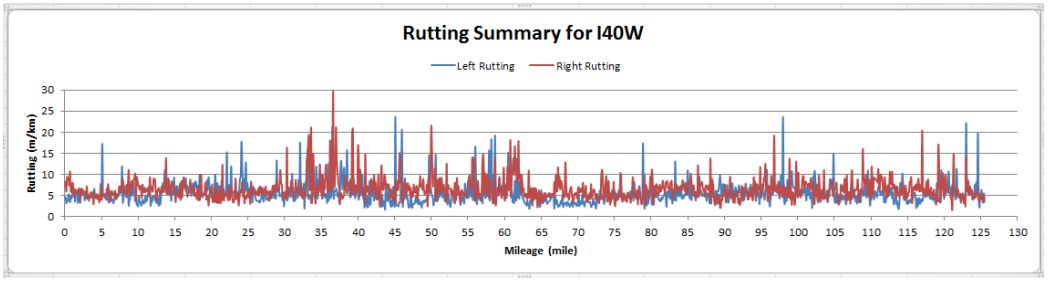
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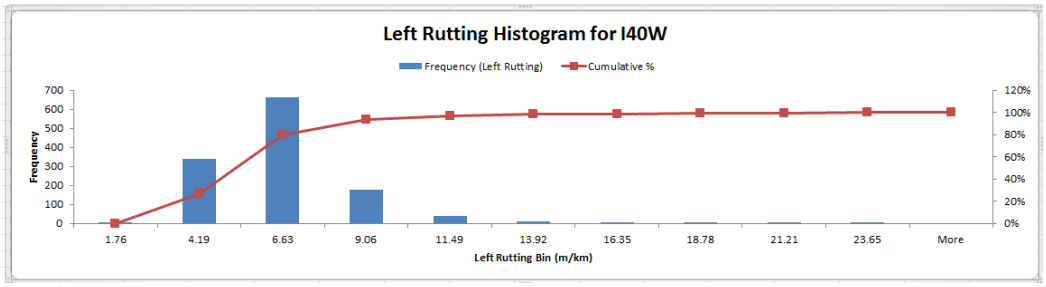
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116.1	1161	613009	613537	1.20	1.33
116.2	1162	613537	614065	1.19	1.26
116.3	1163	614065	614593	1.32	1.40
116.4	1164	614593	615121	1.65	1.64
116.5	1165	615121	615649	1.35	1.49
116.6	1166	615649	616177	1.27	1.34
116.7	1167	616177	616705	1.46	1.41
116.8	1168	616705	617233	1.39	1.31
116.9	1169	617233	617761	1.17	1.18
117	1170	617761	618289	1.49	1.66
117.1	1171	618289	618817	1.27	1.30
117.2	1172	618817	619345	1.32	1.44
117.3	1173	619345	619873	1.42	1.42
117.4	1174	619873	620401	1.52	1.47
117.5	1175	620401	620929	1.54	1.50
117.6	1176	620929	621457	1.33	1.28
117.7	1177	621457	621985	2.14	2.06
117.8	1178	621985	622513	2.30	2.28
117.9	1179	622513	623041	1.70	1.69
118	1180	623041	623569	1.65	1.59
118.1	1181	623569	624097	1.42	1.46
118.2	1182	624097	624625	1.31	1.46
118.3	1183	624625	625153	1.29	1.46
118.4	1184	625153	625681	1.62	1.62
118.5	1185	625681	626209	1.42	1.43
118.6	1186	626209	626737	1.72	1.54
118.7	1187	626737	627265	1.47	1.53
118.8	1188	627265	627793	1.48	1.42
118.9	1189	627793	628321	4.51	4.57
119	1190	628321	628849	2.10	2.15
119.1	1191	628849	629377	1.59	2.01
119.2	1192	629377	629905	1.12	1.28
119.3	1193	629905	630433	1.24	1.22
119.4	1194	630433	630961	2.88	2.69
119.5	1195	630961	631489	4.46	4.38
119.6	1196	631489	632017	2.14	2.00
119.7	1197	632017	632545	2.04	1.89
119.8	1198	632545	633073	1.45	1.47
119.9	1199	633073	633601	1.73	1.68
120	1200	633601	634129	1.45	1.50
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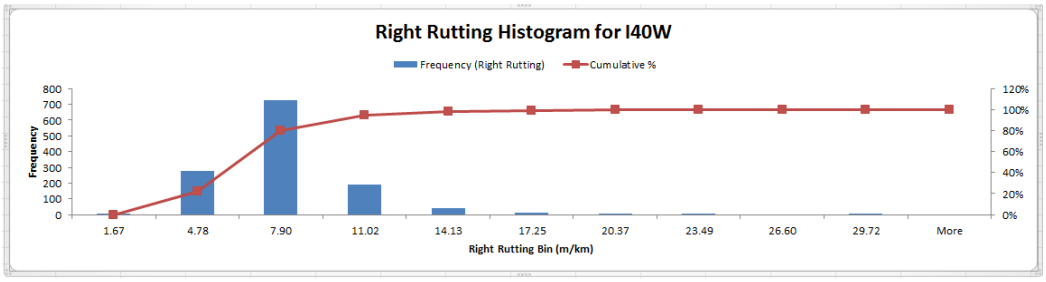
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120.4	1204	635713	636241	1.41	1.34
120.5	1205	636241	636769	1.43	1.30
120.6	1206	636769	637297	1.89	1.66
120.7	1207	637297	637825	1.95	1.77
120.8	1208	637825	638353	1.76	1.57
120.9	1209	638353	638881	1.86	1.60
121	1210	638881	639409	2.04	1.97
121.1	1211	639409	639937	2.45	2.39
121.2	1212	639937	640465	3.32	3.44
121.3	1213	640465	640993	1.88	1.93
121.4	1214	640993	641521	1.92	1.88
121.5	1215	641521	642049	1.51	1.51
121.6	1216	642049	642577	1.35	1.25
121.7	1217	642577	643105	1.44	1.33
121.8	1218	643105	643633	1.12	0.99
121.9	1219	643633	644161	1.10	1.22
122	1220	644161	644689	1.15	1.09
122.1	1221	644689	645217	1.11	1.06
122.2	1222	645217	645745	1.25	1.21
122.3	1223	645745	646273	2.01	2.01
122.4	1224	646273	646801	1.69	1.77
122.5	1225	646801	647329	1.42	1.27
122.6	1226	647329	647857	1.25	1.20
122.7	1227	647857	648385	1.43	1.48
122.8	1228	648385	648913	2.71	2.61
122.9	1229	648913	649441	3.55	3.50
123	1230	649441	649969	3.56	2.87
123.1	1231	649969	650497	2.97	3.06
123.2	1232	650497	651025	1.41	1.35
123.3	1233	651025	651553	2.00	1.85
123.4	1234	651553	652081	1.70	1.55
123.5	1235	652081	652609	1.57	1.56
123.6	1236	652609	653137	1.78	1.51
123.7	1237	653137	653665	1.90	1.85
123.8	1238	653665	654193	1.27	1.28
123.9	1239	654193	654721	1.53	1.47
124	1240	654721	655249	1.74	1.63
124.1	1241	655249	655777	1.50	1.46
124.2	1242	655777	656305	1.58	1.64
124.3	1243	656305	656833	1.84	1.77
124.4	1244	656833	657361	2.31	2.19
124.5	1245	657361	657889	1.93	1.86

124.6	1246	657889	658417	1.47	1.52
124.7	1247	658417	658945	1.40	1.41
124.8	1248	658945	659473	1.24	1.22
124.9	1249	659473	660001	1.62	1.74
125	1250	660001	660529	1.42	1.38
125.1	1251	660529	661057	2.21	2.21
125.2	1252	661057	661585	1.61	1.52
125.3	1253	661585	662113	1.74	1.68
125.4	1254	662113	662641	1.25	1.32
125.5	1255	662641	663169	1.45	1.43
125.6	1256	663169	663697	1.91	2.49

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	4.42	7.19
0.1	1	529	1057	4.57	8.32
0.2	2	1057	1585	3.21	5.95
0.3	3	1585	2113	3.73	9.40
0.4	4	2113	2641	3.87	8.75
0.5	5	2641	3169	5.34	9.30
0.6	6	3169	3697	4.33	7.30
0.7	7	3697	4225	3.43	10.71
0.8	8	4225	4753	4.79	5.95
0.9	9	4753	5281	4.28	5.82
1	10	5281	5809	5.35	8.00
1.1	11	5809	6337	5.80	7.97
1.2	12	6337	6865	6.49	4.77
1.3	13	6865	7393	5.60	6.23
1.4	14	7393	7921	3.52	6.50
1.5	15	7921	8449	5.88	5.64
1.6	16	8449	8977	6.17	6.00
1.7	17	8977	9505	5.66	5.40
1.8	18	9505	10033	3.23	6.13
1.9	19	10033	10561	6.02	6.70
2	20	10561	11089	4.93	6.07
2.1	21	11089	11617	3.31	4.14
2.2	22	11617	12145	6.15	6.67
2.3	23	12145	12673	5.07	5.66
2.4	24	12673	13201	5.85	6.50
2.5	25	13201	13729	5.33	5.86
2.6	26	13729	14257	5.31	5.51
2.7	27	14257	14785	3.90	6.00
2.8	28	14785	15313	4.37	5.54
2.9	29	15313	15841	4.52	4.68
3	30	15841	16369	5.58	7.19
3.1	31	16369	16897	4.16	4.53
3.2	32	16897	17425	4.71	4.17
3.3	33	17425	17953	3.73	5.12
3.4	34	17953	18481	5.25	4.67
3.5	35	18481	19009	4.61	5.71
3.6	36	19009	19537	4.63	5.77
3.7	37	19537	20065	4.50	5.42
3.8	38	20065	20593	5.18	5.81
3.9	39	20593	21121	4.64	2.93
4	40	21121	21649	6.63	5.41
4.1	41	21649	22177	5.13	4.49

4.2	42	22177	22705	4.93	4.46
4.3	43	22705	23233	5.09	4.36
4.4	44	23233	23761	4.72	5.39
4.5	45	23761	24289	4.46	4.06
4.6	46	24289	24817	4.26	4.96
4.7	47	24817	25345	4.64	3.38
4.8	48	25345	25873	5.12	4.84
4.9	49	25873	26401	5.92	7.78
5	50	26401	26929	5.04	4.00
5.1	51	26929	27457	17.28	5.48
5.2	52	27457	27985	5.14	5.16
5.3	53	27985	28513	4.84	4.78
5.4	54	28513	29041	5.43	4.83
5.5	55	29041	29569	4.70	4.40
5.6	56	29569	30097	4.29	4.79
5.7	57	30097	30625	3.91	6.59
5.8	58	30625	31153	4.30	6.09
5.9	59	31153	31681	6.31	7.71
6	60	31681	32209	3.38	5.12
6.1	61	32209	32737	4.41	6.14
6.2	62	32737	33265	4.24	3.68
6.3	63	33265	33793	4.15	4.47
6.4	64	33793	34321	4.28	6.07
6.5	65	34321	34849	3.84	5.12
6.6	66	34849	35377	3.19	5.49
6.7	67	35377	35905	3.63	5.13
6.8	68	35905	36433	5.24	6.14
6.9	69	36433	36961	4.20	5.83
7	70	36961	37489	5.30	4.17
7.1	71	37489	38017	5.43	4.82
7.2	72	38017	38545	4.86	4.67
7.3	73	38545	39073	5.15	5.13
7.4	74	39073	39601	6.28	7.17
7.5	75	39601	40129	6.95	7.16
7.6	76	40129	40657	5.53	5.89
7.7	77	40657	41185	5.81	6.66
7.8	78	41185	41713	11.95	8.85
7.9	79	41713	42241	3.41	8.81
8	80	42241	42769	4.73	7.47
8.1	81	42769	43297	7.13	5.46
8.2	82	43297	43825	6.04	6.01
8.3	83	43825	44353	5.43	5.11
8.4	84	44353	44881	4.57	7.57

8.5	85	44881	45409	6.07	5.56
8.6	86	45409	45937	7.58	7.46
8.7	87	45937	46465	2.70	11.11
8.8	88	46465	46993	3.99	7.41
8.9	89	46993	47521	4.17	5.14
9	90	47521	48049	7.66	5.44
9.1	91	48049	48577	5.19	8.41
9.2	92	48577	49105	5.04	6.94
9.3	93	49105	49633	7.95	8.62
9.4	94	49633	50161	6.84	8.69
9.5	95	50161	50689	5.04	9.52
9.6	96	50689	51217	3.60	10.20
9.7	97	51217	51745	5.04	3.86
9.8	98	51745	52273	2.76	9.33
9.9	99	52273	52801	2.76	8.51
10	100	52801	53329	2.44	7.56
10.1	101	53329	53857	4.99	7.01
10.2	102	53857	54385	3.51	6.46
10.3	103	54385	54913	3.54	7.38
10.4	104	54913	55441	2.64	6.02
10.5	105	55441	55969	2.95	4.49
10.6	106	55969	56497	4.01	7.61
10.7	107	56497	57025	3.47	5.85
10.8	108	57025	57553	3.15	5.91
10.9	109	57553	58081	3.80	6.85
11	110	58081	58609	4.94	5.77
11.1	111	58609	59137	3.61	6.57
11.2	112	59137	59665	3.95	5.99
11.3	113	59665	60193	5.35	6.46
11.4	114	60193	60721	5.53	6.92
11.5	115	60721	61249	5.33	4.80
11.6	116	61249	61777	7.44	9.38
11.7	117	61777	62305	2.58	6.58
11.8	118	62305	62833	4.54	7.12
11.9	119	62833	63361	3.51	5.93
12	120	63361	63889	4.75	6.30
12.1	121	63889	64417	4.85	9.05
12.2	122	64417	64945	4.93	8.67
12.3	123	64945	65473	3.89	8.82
12.4	124	65473	66001	3.72	5.78
12.5	125	66001	66529	3.26	3.85
12.6	126	66529	67057	3.21	6.00
12.7	127	67057	67585	4.38	6.33

12.8	128	67585	68113	2.58	6.77
12.9	129	68113	68641	5.09	6.07
13	130	68641	69169	2.89	5.21
13.1	131	69169	69697	4.18	5.76
13.2	132	69697	70225	7.01	7.12
13.3	133	70225	70753	7.39	5.66
13.4	134	70753	71281	7.94	6.38
13.5	135	71281	71809	6.65	5.93
13.6	136	71809	72337	10.93	8.51
13.7	137	72337	72865	9.04	6.94
13.8	138	72865	73393	5.66	13.90
13.9	139	73393	73921	6.39	5.78
14	140	73921	74449	5.83	5.30
14.1	141	74449	74977	9.14	7.13
14.2	142	74977	75505	5.28	8.68
14.3	143	75505	76033	6.48	6.31
14.4	144	76033	76561	7.23	5.14
14.5	145	76561	77089	3.71	7.04
14.6	146	77089	77617	6.22	8.39
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14.8	148	78145	78673	5.95	6.40
14.9	149	78673	79201	9.27	6.98
15	150	79201	79729	5.46	6.33
15.1	151	79729	80257	7.03	3.46
15.2	152	80257	80785	5.60	5.68
15.3	153	80785	81313	7.28	5.03
15.4	154	81313	81841	5.51	5.62
15.5	155	81841	82369	4.88	4.56
15.6	156	82369	82897	6.71	4.84
15.7	157	82897	83425	7.80	7.38
15.8	158	83425	83953	7.50	3.96
15.9	159	83953	84481	8.22	8.44
16	160	84481	85009	4.46	5.04
16.1	161	85009	85537	7.20	7.07
16.2	162	85537	86065	7.10	9.35
16.3	163	86065	86593	8.31	6.82
16.4	164	86593	87121	8.58	7.90
16.5	165	87121	87649	9.09	6.09
16.6	166	87649	88177	6.30	6.89
16.7	167	88177	88705	7.32	4.78
16.8	168	88705	89233	6.66	5.40
16.9	169	89233	89761	6.16	5.73
17	170	89761	90289	5.95	5.92

17.1	171	90289	90817	7.56	8.80
17.2	172	90817	91345	4.93	6.75
17.3	173	91345	91873	6.50	7.42
17.4	174	91873	92401	6.20	6.04
17.5	175	92401	92929	7.96	5.51
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17.8	178	93985	94513	8.31	5.45
17.9	179	94513	95041	8.00	5.58
18	180	95041	95569	6.75	4.21
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18.2	182	96097	96625	5.41	3.86
18.3	183	96625	97153	7.16	6.82
18.4	184	97153	97681	9.93	3.93
18.5	185	97681	98209	6.00	5.59
18.6	186	98209	98737	5.93	9.95
18.7	187	98737	99265	4.63	5.13
18.8	188	99265	99793	4.63	5.48
18.9	189	99793	100321	5.26	5.21
19	190	100321	100849	5.22	5.35
19.1	191	100849	101377	5.30	6.66
19.2	192	101377	101905	6.24	8.02
19.3	193	101905	102433	5.15	4.10
19.4	194	102433	102961	8.68	5.01
19.5	195	102961	103489	6.25	4.72
19.6	196	103489	104017	9.33	2.62
19.7	197	104017	104545	7.76	4.57
19.8	198	104545	105073	6.75	6.24
19.9	199	105073	105601	6.02	7.01
20	200	105601	106129	4.52	6.09
20.1	201	106129	106657	7.62	4.47
20.2	202	106657	107185	3.99	3.44
20.3	203	107185	107713	5.27	4.90
20.4	204	107713	108241	4.22	3.54
20.5	205	108241	108769	9.92	7.70
20.6	206	108769	109297	6.45	3.69
20.7	207	109297	109825	5.05	3.34
20.8	208	109825	110353	7.98	6.46
20.9	209	110353	110881	5.52	3.30
21	210	110881	111409	6.94	4.01
21.1	211	111409	111937	7.22	6.21
21.2	212	111937	112465	5.07	3.21
21.3	213	112465	112993	6.18	3.50

21.4	214	112993	113521	8.48	4.05
21.5	215	113521	114049	7.50	12.31
21.6	216	114049	114577	6.77	4.77
21.7	217	114577	115105	6.29	3.76
21.8	218	115105	115633	5.14	5.40
21.9	219	115633	116161	4.89	5.23
22	220	116161	116689	4.91	4.97
22.1	221	116689	117217	15.26	5.90
22.2	222	117217	117745	5.30	4.63
22.3	223	117745	118273	5.53	3.95
22.4	224	118273	118801	7.03	7.50
22.5	225	118801	119329	5.46	4.03
22.6	226	119329	119857	7.60	5.37
22.7	227	119857	120385	11.91	6.72
22.8	228	120385	120913	5.77	5.22
22.9	229	120913	121441	5.84	3.50
23	230	121441	121969	5.95	3.36
23.1	231	121969	122497	5.38	3.80
23.2	232	122497	123025	5.82	6.51
23.3	233	123025	123553	4.50	9.02
23.4	234	123553	124081	6.24	4.14
23.5	235	124081	124609	5.25	4.28
23.6	236	124609	125137	4.68	5.47
23.7	237	125137	125665	5.42	2.67
23.8	238	125665	126193	6.41	4.21
23.9	239	126193	126721	9.10	5.71
24	240	126721	127249	9.60	6.41
24.1	241	127249	127777	17.77	5.80
24.2	242	127777	128305	11.90	8.32
24.3	243	128305	128833	7.50	4.79
24.4	244	128833	129361	8.98	6.20
24.5	245	129361	129889	5.65	3.18
24.6	246	129889	130417	8.19	4.85
24.7	247	130417	130945	12.87	4.17
24.8	248	130945	131473	6.30	4.52
24.9	249	131473	132001	8.01	5.39
25	250	132001	132529	5.75	6.44
25.1	251	132529	133057	6.71	4.52
25.2	252	133057	133585	4.86	5.83
25.3	253	133585	134113	4.42	3.05
25.4	254	134113	134641	8.34	8.16
25.5	255	134641	135169	4.88	5.13
25.6	256	135169	135697	3.43	6.18

25.7	257	135697	136225	7.07	6.36
25.8	258	136225	136753	5.76	6.25
25.9	259	136753	137281	5.43	6.55
26	260	137281	137809	4.54	5.34
26.1	261	137809	138337	3.83	5.13
26.2	262	138337	138865	3.78	5.99
26.3	263	138865	139393	3.67	5.24
26.4	264	139393	139921	3.67	6.74
26.5	265	139921	140449	3.74	4.95
26.6	266	140449	140977	3.31	7.22
26.7	267	140977	141505	4.14	5.69
26.8	268	141505	142033	4.32	6.47
26.9	269	142033	142561	7.00	5.77
27	270	142561	143089	4.75	5.29
27.1	271	143089	143617	3.56	6.63
27.2	272	143617	144145	4.52	5.55
27.3	273	144145	144673	6.36	5.32
27.4	274	144673	145201	6.15	7.17
27.5	275	145201	145729	4.00	5.94
27.6	276	145729	146257	4.18	5.45
27.7	277	146257	146785	4.02	5.95
27.8	278	146785	147313	4.79	5.78
27.9	279	147313	147841	5.38	3.75
28	280	147841	148369	4.25	6.07
28.1	281	148369	148897	5.16	4.65
28.2	282	148897	149425	4.39	4.49
28.3	283	149425	149953	4.93	6.66
28.4	284	149953	150481	5.12	7.36
28.5	285	150481	151009	6.61	5.65
28.6	286	151009	151537	4.41	6.69
28.7	287	151537	152065	7.57	7.38
28.8	288	152065	152593	4.38	6.41
28.9	289	152593	153121	13.33	8.67
29	290	153121	153649	5.99	6.66
29.1	291	153649	154177	6.80	6.44
29.2	292	154177	154705	6.21	6.11
29.3	293	154705	155233	4.85	8.02
29.4	294	155233	155761	4.97	11.06
29.5	295	155761	156289	4.92	8.02
29.6	296	156289	156817	5.64	7.63
29.7	297	156817	157345	3.88	5.31
29.8	298	157345	157873	5.61	4.09
29.9	299	157873	158401	2.43	5.54

30	300	158401	158929	5.30	5.87
30.1	301	158929	159457	5.11	5.59
30.2	302	159457	159985	4.33	4.47
30.3	303	159985	160513	3.93	16.40
30.4	304	160513	161041	3.86	4.90
30.5	305	161041	161569	5.71	4.80
30.6	306	161569	162097	6.95	5.87
30.7	307	162097	162625	5.96	6.20
30.8	308	162625	163153	4.69	6.49
30.9	309	163153	163681	4.82	8.51
31	310	163681	164209	10.25	6.74
31.1	311	164209	164737	5.88	7.06
31.2	312	164737	165265	3.75	5.15
31.3	313	165265	165793	3.64	4.31
31.4	314	165793	166321	4.03	5.62
31.5	315	166321	166849	4.02	8.70
31.6	316	166849	167377	6.79	6.12
31.7	317	167377	167905	6.44	6.74
31.8	318	167905	168433	4.55	5.83
31.9	319	168433	168961	8.72	5.45
32	320	168961	169489	5.53	5.39
32.1	321	169489	170017	17.60	5.75
32.2	322	170017	170545	5.79	8.05
32.3	323	170545	171073	4.64	5.42
32.4	324	171073	171601	6.99	4.35
32.5	325	171601	172129	5.13	5.99
32.6	326	172129	172657	7.77	4.29
32.7	327	172657	173185	1.93	5.77
32.8	328	173185	173713	7.28	5.55
32.9	329	173713	174241	8.51	4.90
33	330	174241	174769	7.65	13.59
33.1	331	174769	175297	15.82	12.04
33.2	332	175297	175825	4.34	17.72
33.3	333	175825	176353	5.28	19.27
33.4	334	176353	176881	4.32	6.53
33.5	335	176881	177409	5.06	11.11
33.6	336	177409	177937	3.28	21.00
33.7	337	177937	178465	4.97	3.42
33.8	338	178465	178993	5.47	5.45
33.9	339	178993	179521	5.57	14.92
34	340	179521	180049	5.64	6.83
34.1	341	180049	180577	4.44	6.15
34.2	342	180577	181105	5.82	3.06

34.3	343	181105	181633	11.91	5.50
34.4	344	181633	182161	5.62	7.64
34.5	345	182161	182689	4.34	6.65
34.6	346	182689	183217	8.84	5.57
34.7	347	183217	183745	8.12	6.81
34.8	348	183745	184273	10.98	12.38
34.9	349	184273	184801	7.26	6.56
35	350	184801	185329	9.99	5.52
35.1	351	185329	185857	4.29	4.89
35.2	352	185857	186385	5.00	10.00
35.3	353	186385	186913	5.67	4.99
35.4	354	186913	187441	5.55	8.59
35.5	355	187441	187969	4.51	6.66
35.6	356	187969	188497	5.36	12.29
35.7	357	188497	189025	4.68	9.06
35.8	358	189025	189553	3.41	8.78
35.9	359	189553	190081	12.56	6.03
36	360	190081	190609	3.93	7.06
36.1	361	190609	191137	7.38	8.19
36.2	362	191137	191665	4.82	18.08
36.3	363	191665	192193	4.41	5.97
36.4	364	192193	192721	6.23	6.15
36.5	365	192721	193249	21.29	9.97
36.6	366	193249	193777	7.10	29.72
36.7	367	193777	194305	4.21	8.01
36.8	368	194305	194833	6.08	7.01
36.9	369	194833	195361	6.04	11.55
37	370	195361	195889	6.63	21.19
37.1	371	195889	196417	5.95	13.16
37.2	372	196417	196945	4.75	10.84
37.3	373	196945	197473	5.49	8.36
37.4	374	197473	198001	4.36	6.79
37.5	375	198001	198529	3.06	3.17
37.6	376	198529	199057	10.90	4.04
37.7	377	199057	199585	13.26	5.57
37.8	378	199585	200113	9.49	4.76
37.9	379	200113	200641	6.52	4.25
38	380	200641	201169	9.24	4.93
38.1	381	201169	201697	11.62	4.99
38.2	382	201697	202225	7.94	9.32
38.3	383	202225	202753	7.04	9.65
38.4	384	202753	203281	7.72	6.42
38.5	385	203281	203809	15.76	5.49

38.6	386	203809	204337	7.31	6.41
38.7	387	204337	204865	6.55	6.51
38.8	388	204865	205393	7.96	8.16
38.9	389	205393	205921	4.62	8.07
39	390	205921	206449	4.59	8.82
39.1	391	206449	206977	5.69	5.55
39.2	392	206977	207505	5.17	19.99
39.3	393	207505	208033	6.38	20.85
39.4	394	208033	208561	9.05	6.12
39.5	395	208561	209089	6.93	5.17
39.6	396	209089	209617	4.44	7.34
39.7	397	209617	210145	5.13	7.38
39.8	398	210145	210673	6.16	6.63
39.9	399	210673	211201	7.74	6.02
40	400	211201	211729	5.75	16.78
40.1	401	211729	212257	4.03	14.09
40.2	402	212257	212785	6.08	4.78
40.3	403	212785	213313	9.22	11.10
40.4	404	213313	213841	5.28	6.95
40.5	405	213841	214369	9.99	7.38
40.6	406	214369	214897	9.92	6.77
40.7	407	214897	215425	4.37	5.55
40.8	408	215425	215953	6.88	5.59
40.9	409	215953	216481	2.15	3.39
41	410	216481	217009	8.74	14.78
41.1	411	217009	217537	2.67	5.77
41.2	412	217537	218065	4.78	6.02
41.3	413	218065	218593	2.20	7.28
41.4	414	218593	219121	2.38	6.36
41.5	415	219121	219649	6.18	5.44
41.6	416	219649	220177	8.37	5.81
41.7	417	220177	220705	2.78	5.13
41.8	418	220705	221233	6.34	8.87
41.9	419	221233	221761	5.20	8.31
42	420	221761	222289	4.94	6.09
42.1	421	222289	222817	5.65	5.89
42.2	422	222817	223345	3.76	9.83
42.3	423	223345	223873	7.67	6.43
42.4	424	223873	224401	4.43	8.18
42.5	425	224401	224929	5.79	4.17
42.6	426	224929	225457	4.05	4.17
42.7	427	225457	225985	5.58	7.02
42.8	428	225985	226513	4.09	10.00

42.9	429	226513	227041	5.14	4.86
43	430	227041	227569	2.42	2.43
43.1	431	227569	228097	2.73	5.14
43.2	432	228097	228625	2.31	12.16
43.3	433	228625	229153	5.21	7.45
43.4	434	229153	229681	2.62	6.32
43.5	435	229681	230209	2.50	6.48
43.6	436	230209	230737	3.75	9.88
43.7	437	230737	231265	1.76	9.30
43.8	438	231265	231793	7.64	7.47
43.9	439	231793	232321	5.10	7.79
44	440	232321	232849	3.68	6.67
44.1	441	232849	233377	4.56	7.30
44.2	442	233377	233905	6.84	7.69
44.3	443	233905	234433	4.03	5.24
44.4	444	234433	234961	3.02	4.36
44.5	445	234961	235489	2.30	6.53
44.6	446	235489	236017	4.02	4.75
44.7	447	236017	236545	2.63	4.72
44.8	448	236545	237073	7.11	4.01
44.9	449	237073	237601	4.45	5.03
45	450	237601	238129	2.47	7.00
45.1	451	238129	238657	23.65	3.34
45.2	452	238657	239185	3.02	8.59
45.3	453	239185	239713	2.57	8.36
45.4	454	239713	240241	2.60	6.26
45.5	455	240241	240769	2.43	6.67
45.6	456	240769	241297	3.43	11.45
45.7	457	241297	241825	3.27	15.02
45.8	458	241825	242353	5.09	7.98
45.9	459	242353	242881	11.53	8.61
46	460	242881	243409	20.44	3.35
46.1	461	243409	243937	2.48	4.49
46.2	462	243937	244465	3.91	5.77
46.3	463	244465	244993	4.34	7.89
46.4	464	244993	245521	9.09	8.07
46.5	465	245521	246049	5.30	7.63
46.6	466	246049	246577	4.21	4.97
46.7	467	246577	247105	4.98	7.26
46.8	468	247105	247633	3.80	7.96
46.9	469	247633	248161	2.15	6.24
47	470	248161	248689	2.31	7.30
47.1	471	248689	249217	2.27	5.21

47.2	472	249217	249745	5.84	6.77
47.3	473	249745	250273	3.87	4.40
47.4	474	250273	250801	2.07	5.82
47.5	475	250801	251329	3.00	4.79
47.6	476	251329	251857	2.98	7.61
47.7	477	251857	252385	3.04	5.77
47.8	478	252385	252913	3.69	6.89
47.9	479	252913	253441	4.85	5.61
48	480	253441	253969	3.39	7.28
48.1	481	253969	254497	4.27	4.25
48.2	482	254497	255025	2.94	5.39
48.3	483	255025	255553	4.11	6.91
48.4	484	255553	256081	3.16	7.74
48.5	485	256081	256609	2.87	9.64
48.6	486	256609	257137	3.39	7.06
48.7	487	257137	257665	2.12	7.48
48.8	488	257665	258193	3.68	6.39
48.9	489	258193	258721	3.74	8.94
49	490	258721	259249	3.30	6.44
49.1	491	259249	259777	3.90	5.22
49.2	492	259777	260305	3.66	5.82
49.3	493	260305	260833	3.61	5.68
49.4	494	260833	261361	4.46	7.53
49.5	495	261361	261889	4.39	2.42
49.6	496	261889	262417	4.95	8.97
49.7	497	262417	262945	14.52	7.87
49.8	498	262945	263473	6.14	5.66
49.9	499	263473	264001	6.91	10.82
50	500	264001	264529	5.87	21.49
50.1	501	264529	265057	4.85	16.04
50.2	502	265057	265585	4.73	7.31
50.3	503	265585	266113	2.64	9.57
50.4	504	266113	266641	4.13	9.11
50.5	505	266641	267169	3.71	11.48
50.6	506	267169	267697	14.72	4.64
50.7	507	267697	268225	6.31	3.78
50.8	508	268225	268753	3.71	8.79
50.9	509	268753	269281	3.91	5.67
51	510	269281	269809	5.63	6.56
51.1	511	269809	270337	4.62	9.27
51.2	512	270337	270865	5.54	5.69
51.3	513	270865	271393	5.38	6.18
51.4	514	271393	271921	7.19	9.26

51.5	515	271921	272449	4.55	6.75
51.6	516	272449	272977	6.87	5.91
51.7	517	272977	273505	5.16	7.56
51.8	518	273505	274033	4.17	6.16
51.9	519	274033	274561	3.70	6.09
52	520	274561	275089	5.91	3.74
52.1	521	275089	275617	5.29	12.54
52.2	522	275617	276145	2.89	4.42
52.3	523	276145	276673	5.52	7.45
52.4	524	276673	277201	4.25	6.74
52.5	525	277201	277729	3.17	6.67
52.6	526	277729	278257	2.29	6.62
52.7	527	278257	278785	3.56	5.45
52.8	528	278785	279313	5.58	6.46
52.9	529	279313	279841	5.86	5.98
53	530	279841	280369	5.80	5.40
53.1	531	280369	280897	5.79	3.53
53.2	532	280897	281425	3.15	8.09
53.3	533	281425	281953	4.30	4.80
53.4	534	281953	282481	5.02	4.02
53.5	535	282481	283009	5.23	9.20
53.6	536	283009	283537	5.65	5.26
53.7	537	283537	284065	6.95	7.29
53.8	538	284065	284593	5.49	5.15
53.9	539	284593	285121	3.64	5.87
54	540	285121	285649	2.76	3.23
54.1	541	285649	286177	4.35	6.28
54.2	542	286177	286705	3.69	6.26
54.3	543	286705	287233	4.81	5.22
54.4	544	287233	287761	4.44	5.62
54.5	545	287761	288289	3.22	5.68
54.6	546	288289	288817	7.86	5.24
54.7	547	288817	289345	4.94	5.13
54.8	548	289345	289873	5.76	4.65
54.9	549	289873	290401	4.36	6.21
55	550	290401	290929	7.22	8.08
55.1	551	290929	291457	4.48	8.98
55.2	552	291457	291985	9.80	9.32
55.3	553	291985	292513	7.65	8.10
55.4	554	292513	293041	4.97	7.38
55.5	555	293041	293569	4.69	6.11
55.6	556	293569	294097	9.85	14.11
55.7	557	294097	294625	4.01	7.06

55.8	558	294625	295153	5.78	13.88
55.9	559	295153	295681	4.34	4.76
56	560	295681	296209	16.56	3.68
56.1	561	296209	296737	9.48	5.72
56.2	562	296737	297265	3.06	4.56
56.3	563	297265	297793	4.21	8.43
56.4	564	297793	298321	5.26	7.87
56.5	565	298321	298849	4.24	5.13
56.6	566	298849	299377	5.39	5.43
56.7	567	299377	299905	3.78	4.49
56.8	568	299905	300433	4.14	4.05
56.9	569	300433	300961	4.62	7.59
57	570	300961	301489	3.27	13.72
57.1	571	301489	302017	13.26	14.75
57.2	572	302017	302545	8.98	5.41
57.3	573	302545	303073	4.82	6.76
57.4	574	303073	303601	4.47	10.28
57.5	575	303601	304129	7.17	6.76
57.6	576	304129	304657	4.80	5.55
57.7	577	304657	305185	5.14	10.03
57.8	578	305185	305713	7.76	7.23
57.9	579	305713	306241	15.65	4.25
58	580	306241	306769	3.95	8.78
58.1	581	306769	307297	6.04	8.28
58.2	582	307297	307825	18.35	6.12
58.3	583	307825	308353	6.29	6.06
58.4	584	308353	308881	7.61	3.20
58.5	585	308881	309409	9.75	6.31
58.6	586	309409	309937	4.62	3.38
58.7	587	309937	310465	19.25	14.19
58.8	588	310465	310993	5.77	2.83
58.9	589	310993	311521	4.86	4.56
59	590	311521	312049	4.87	5.95
59.1	591	312049	312577	5.57	7.00
59.2	592	312577	313105	5.12	5.38
59.3	593	313105	313633	9.46	9.12
59.4	594	313633	314161	6.14	6.68
59.5	595	314161	314689	7.34	5.72
59.6	596	314689	315217	4.41	4.48
59.7	597	315217	315745	6.51	6.72
59.8	598	315745	316273	5.96	7.99
59.9	599	316273	316801	4.97	11.56
60	600	316801	317329	5.89	3.84

60.1	601	317329	317857	6.51	4.27
60.2	602	317857	318385	7.65	7.23
60.3	603	318385	318913	5.40	4.63
60.4	604	318913	319441	6.70	11.87
60.5	605	319441	319969	15.20	6.42
60.6	606	319969	320497	8.12	7.12
60.7	607	320497	321025	6.53	9.81
60.8	608	321025	321553	5.82	18.13
60.9	609	321553	322081	4.53	5.11
61	610	322081	322609	6.01	9.73
61.1	611	322609	323137	3.48	11.52
61.2	612	323137	323665	4.79	13.81
61.3	613	323665	324193	3.32	9.96
61.4	614	324193	324721	8.38	16.68
61.5	615	324721	325249	7.20	12.70
61.6	616	325249	325777	4.01	10.42
61.7	617	325777	326305	13.74	8.74
61.8	618	326305	326833	4.61	8.32
61.9	619	326833	327361	8.11	17.92
62	620	327361	327889	4.23	9.13
62.1	621	327889	328417	8.37	10.15
62.2	622	328417	328945	5.45	5.56
62.3	623	328945	329473	6.37	9.85
62.4	624	329473	330001	5.29	8.85
62.5	625	330001	330529	4.12	5.97
62.6	626	330529	331057	4.03	6.77
62.7	627	331057	331585	3.39	5.13
62.8	628	331585	332113	3.22	4.58
62.9	629	332113	332641	3.06	5.44
63	630	332641	333169	2.62	5.31
63.1	631	333169	333697	3.84	4.18
63.2	632	333697	334225	2.81	4.77
63.3	633	334225	334753	2.88	10.93
63.4	634	334753	335281	1.87	4.47
63.5	635	335281	335809	3.96	4.49
63.6	636	335809	336337	3.38	6.79
63.7	637	336337	336865	3.15	6.00
63.8	638	336865	337393	5.56	2.64
63.9	639	337393	337921	6.12	6.77
64	640	337921	338449	4.02	4.28
64.1	641	338449	338977	4.65	6.81
64.2	642	338977	339505	4.38	4.35
64.3	643	339505	340033	5.53	6.58

64.4	644	340033	340561	5.63	4.81
64.5	645	340561	341089	4.82	2.24
64.6	646	341089	341617	2.94	5.12
64.7	647	341617	342145	3.56	6.21
64.8	648	342145	342673	2.30	3.82
64.9	649	342673	343201	2.70	3.29
65	650	343201	343729	6.32	5.65
65.1	651	343729	344257	3.99	4.46
65.2	652	344257	344785	3.26	3.21
65.3	653	344785	345313	3.31	4.42
65.4	654	345313	345841	5.22	5.55
65.5	655	345841	346369	3.73	4.77
65.6	656	346369	346897	3.99	5.60
65.7	657	346897	347425	4.22	4.44
65.8	658	347425	347953	3.03	4.85
65.9	659	347953	348481	3.38	4.87
66	660	348481	349009	3.52	5.54
66.1	661	349009	349537	3.71	4.68
66.2	662	349537	350065	3.71	5.55
66.3	663	350065	350593	4.41	4.29
66.4	664	350593	351121	4.58	5.04
66.5	665	351121	351649	5.37	5.28
66.6	666	351649	352177	5.32	5.12
66.7	667	352177	352705	4.47	5.04
66.8	668	352705	353233	1.88	8.22
66.9	669	353233	353761	5.20	5.54
67	670	353761	354289	3.12	9.88
67.1	671	354289	354817	3.97	7.38
67.2	672	354817	355345	3.26	6.09
67.3	673	355345	355873	2.30	11.72
67.4	674	355873	356401	2.77	7.10
67.5	675	356401	356929	2.53	9.46
67.6	676	356929	357457	3.12	6.50
67.7	677	357457	357985	3.78	8.46
67.8	678	357985	358513	3.04	7.93
67.9	679	358513	359041	5.02	6.60
68	680	359041	359569	2.32	4.30
68.1	681	359569	360097	2.76	5.03
68.2	682	360097	360625	3.10	4.70
68.3	683	360625	361153	3.31	12.85
68.4	684	361153	361681	3.31	8.47
68.5	685	361681	362209	2.52	4.95
68.6	686	362209	362737	3.60	4.58

68.7	687	362737	363265	2.98	5.37
68.8	688	363265	363793	2.83	4.01
68.9	689	363793	364321	2.32	5.94
69	690	364321	364849	3.20	6.68
69.1	691	364849	365377	2.91	7.05
69.2	692	365377	365905	3.76	5.01
69.3	693	365905	366433	2.31	4.10
69.4	694	366433	366961	3.21	3.44
69.5	695	366961	367489	3.31	5.42
69.6	696	367489	368017	3.03	5.13
69.7	697	368017	368545	3.28	5.64
69.8	698	368545	369073	2.61	5.42
69.9	699	369073	369601	2.54	4.32
70	700	369601	370129	2.87	6.39
70.1	701	370129	370657	6.30	7.07
70.2	702	370657	371185	2.60	6.24
70.3	703	371185	371713	3.67	5.74
70.4	704	371713	372241	3.08	6.63
70.5	705	372241	372769	2.98	6.55
70.6	706	372769	373297	5.28	5.83
70.7	707	373297	373825	3.14	8.08
70.8	708	373825	374353	3.62	4.49
70.9	709	374353	374881	2.39	4.80
71	710	374881	375409	3.31	6.05
71.1	711	375409	375937	3.55	7.30
71.2	712	375937	376465	4.64	3.79
71.3	713	376465	376993	5.08	3.58
71.4	714	376993	377521	3.50	3.94
71.5	715	377521	378049	3.33	4.75
71.6	716	378049	378577	3.46	5.58
71.7	717	378577	379105	3.41	4.17
71.8	718	379105	379633	2.32	7.71
71.9	719	379633	380161	2.55	4.47
72	720	380161	380689	2.89	5.43
72.1	721	380689	381217	4.29	6.08
72.2	722	381217	381745	3.01	6.49
72.3	723	381745	382273	3.49	5.79
72.4	724	382273	382801	2.58	4.37
72.5	725	382801	383329	1.98	4.10
72.6	726	383329	383857	4.03	5.45
72.7	727	383857	384385	4.60	4.70
72.8	728	384385	384913	3.63	4.48
72.9	729	384913	385441	3.40	3.21

73	730	385441	385969	6.18	4.50
73.1	731	385969	386497	5.75	4.15
73.2	732	386497	387025	4.91	9.55
73.3	733	387025	387553	4.19	11.15
73.4	734	387553	388081	4.65	9.09
73.5	735	388081	388609	3.85	4.46
73.6	736	388609	389137	3.02	4.03
73.7	737	389137	389665	4.86	6.86
73.8	738	389665	390193	4.72	8.51
73.9	739	390193	390721	6.14	9.52
74	740	390721	391249	4.85	3.71
74.1	741	391249	391777	4.19	5.58
74.2	742	391777	392305	5.99	8.48
74.3	743	392305	392833	3.80	4.41
74.4	744	392833	393361	3.56	2.88
74.5	745	393361	393889	3.38	5.57
74.6	746	393889	394417	5.06	4.25
74.7	747	394417	394945	4.10	6.35
74.8	748	394945	395473	5.24	5.01
74.9	749	395473	396001	4.80	8.25
75	750	396001	396529	4.52	3.23
75.1	751	396529	397057	5.92	2.46
75.2	752	397057	397585	3.84	4.78
75.3	753	397585	398113	3.91	4.72
75.4	754	398113	398641	5.47	4.97
75.5	755	398641	399169	4.23	3.99
75.6	756	399169	399697	6.36	5.67
75.7	757	399697	400225	5.32	6.09
75.8	758	400225	400753	10.39	4.77
75.9	759	400753	401281	5.67	9.99
76	760	401281	401809	5.87	3.88
76.1	761	401809	402337	3.56	4.20
76.2	762	402337	402865	4.36	4.19
76.3	763	402865	403393	4.19	5.58
76.4	764	403393	403921	4.85	4.73
76.5	765	403921	404449	4.72	3.74
76.6	766	404449	404977	4.33	3.66
76.7	767	404977	405505	4.92	3.53
76.8	768	405505	406033	5.69	5.72
76.9	769	406033	406561	5.04	4.46
77	770	406561	407089	5.63	4.81
77.1	771	407089	407617	5.51	5.20
77.2	772	407617	408145	6.08	3.31

77.3	773	408145	408673	5.68	4.58
77.4	774	408673	409201	4.60	5.91
77.5	775	409201	409729	6.80	9.37
77.6	776	409729	410257	3.75	6.99
77.7	777	410257	410785	8.23	6.51
77.8	778	410785	411313	5.19	4.63
77.9	779	411313	411841	5.28	5.15
78	780	411841	412369	4.18	5.21
78.1	781	412369	412897	6.27	6.18
78.2	782	412897	413425	4.41	2.87
78.3	783	413425	413953	4.64	6.09
78.4	784	413953	414481	5.80	7.25
78.5	785	414481	415009	4.61	5.75
78.6	786	415009	415537	4.23	3.91
78.7	787	415537	416065	4.40	2.89
78.8	788	416065	416593	4.64	4.04
78.9	789	416593	417121	17.41	4.70
79	790	417121	417649	4.94	4.19
79.1	791	417649	418177	1.90	10.01
79.2	792	418177	418705	4.19	2.91
79.3	793	418705	419233	7.56	7.23
79.4	794	419233	419761	2.71	6.74
79.5	795	419761	420289	5.60	6.39
79.6	796	420289	420817	3.08	5.00
79.7	797	420817	421345	5.03	4.19
79.8	798	421345	421873	4.95	6.35
79.9	799	421873	422401	6.27	9.52
80	800	422401	422929	6.74	6.89
80.1	801	422929	423457	2.87	11.18
80.2	802	423457	423985	5.97	9.21
80.3	803	423985	424513	4.61	2.91
80.4	804	424513	425041	4.87	3.94
80.5	805	425041	425569	6.62	7.33
80.6	806	425569	426097	6.24	4.71
80.7	807	426097	426625	4.65	7.72
80.8	808	426625	427153	5.90	7.46
80.9	809	427153	427681	4.89	7.07
81	810	427681	428209	4.29	5.31
81.1	811	428209	428737	3.84	6.00
81.2	812	428737	429265	3.94	7.57
81.3	813	429265	429793	3.61	5.98
81.4	814	429793	430321	4.55	6.30
81.5	815	430321	430849	4.13	7.18

81.6	816	430849	431377	4.42	8.54
81.7	817	431377	431905	4.82	7.08
81.8	818	431905	432433	5.28	6.43
81.9	819	432433	432961	5.70	5.63
82	820	432961	433489	4.84	8.18
82.1	821	433489	434017	2.33	8.05
82.2	822	434017	434545	5.85	8.44
82.3	823	434545	435073	4.69	6.76
82.4	824	435073	435601	6.21	7.00
82.5	825	435601	436129	5.76	6.28
82.6	826	436129	436657	4.18	8.06
82.7	827	436657	437185	6.62	7.58
82.8	828	437185	437713	6.77	8.45
82.9	829	437713	438241	3.13	4.22
83	830	438241	438769	5.44	6.46
83.1	831	438769	439297	3.95	5.83
83.2	832	439297	439825	3.92	5.91
83.3	833	439825	440353	13.09	8.07
83.4	834	440353	440881	4.02	6.65
83.5	835	440881	441409	6.34	7.55
83.6	836	441409	441937	6.69	5.75
83.7	837	441937	442465	4.99	6.26
83.8	838	442465	442993	6.60	7.07
83.9	839	442993	443521	4.79	6.98
84	840	443521	444049	5.88	6.19
84.1	841	444049	444577	7.38	6.47
84.2	842	444577	445105	4.35	6.41
84.3	843	445105	445633	5.02	8.65
84.4	844	445633	446161	4.29	7.58
84.5	845	446161	446689	5.17	6.93
84.6	846	446689	447217	5.02	6.13
84.7	847	447217	447745	5.53	8.07
84.8	848	447745	448273	6.28	5.15
84.9	849	448273	448801	6.68	5.65
85	850	448801	449329	10.98	5.77
85.1	851	449329	449857	5.44	7.86
85.2	852	449857	450385	4.89	7.82
85.3	853	450385	450913	4.32	8.89
85.4	854	450913	451441	10.26	9.82
85.5	855	451441	451969	4.00	8.47
85.6	856	451969	452497	6.29	5.83
85.7	857	452497	453025	5.63	5.19
85.8	858	453025	453553	5.61	7.48

85.9	859	453553	454081	5.40	4.78
86	860	454081	454609	4.71	5.77
86.1	861	454609	455137	3.84	5.90
86.2	862	455137	455665	5.47	5.22
86.3	863	455665	456193	5.77	4.70
86.4	864	456193	456721	4.67	12.19
86.5	865	456721	457249	5.73	4.81
86.6	866	457249	457777	9.48	5.15
86.7	867	457777	458305	5.53	7.54
86.8	868	458305	458833	6.11	7.52
86.9	869	458833	459361	5.70	8.29
87	870	459361	459889	4.89	7.52
87.1	871	459889	460417	4.98	6.30
87.2	872	460417	460945	5.23	6.51
87.3	873	460945	461473	4.77	4.86
87.4	874	461473	462001	6.21	6.98
87.5	875	462001	462529	5.11	7.46
87.6	876	462529	463057	3.68	7.11
87.7	877	463057	463585	5.54	6.39
87.8	878	463585	464113	5.24	6.57
87.9	879	464113	464641	5.51	7.38
88	880	464641	465169	3.18	4.78
88.1	881	465169	465697	7.96	13.80
88.2	882	465697	466225	5.13	3.16
88.3	883	466225	466753	8.54	8.84
88.4	884	466753	467281	4.76	8.25
88.5	885	467281	467809	4.78	7.02
88.6	886	467809	468337	4.15	4.17
88.7	887	468337	468865	2.76	3.82
88.8	888	468865	469393	6.12	3.20
88.9	889	469393	469921	2.88	4.66
89	890	469921	470449	6.02	3.42
89.1	891	470449	470977	5.97	5.26
89.2	892	470977	471505	6.22	3.08
89.3	893	471505	472033	8.06	5.24
89.4	894	472033	472561	9.84	2.14
89.5	895	472561	473089	8.10	2.11
89.6	896	473089	473617	4.62	4.17
89.7	897	473617	474145	5.30	3.85
89.8	898	474145	474673	7.74	4.79
89.9	899	474673	475201	5.98	5.20
90	900	475201	475729	4.98	6.74
90.1	901	475729	476257	5.61	7.56

90.2	902	476257	476785	4.65	3.53
90.3	903	476785	477313	5.71	4.28
90.4	904	477313	477841	7.44	5.73
90.5	905	477841	478369	3.34	5.21
90.6	906	478369	478897	3.64	5.44
90.7	907	478897	479425	5.40	6.72
90.8	908	479425	479953	4.80	9.47
90.9	909	479953	480481	4.84	4.47
91	910	480481	481009	4.83	6.21
91.1	911	481009	481537	7.96	4.84
91.2	912	481537	482065	3.70	3.40
91.3	913	482065	482593	6.24	4.94
91.4	914	482593	483121	4.41	3.25
91.5	915	483121	483649	6.94	5.40
91.6	916	483649	484177	6.32	4.71
91.7	917	484177	484705	5.82	6.10
91.8	918	484705	485233	5.60	5.73
91.9	919	485233	485761	6.28	3.21
92	920	485761	486289	7.44	4.36
92.1	921	486289	486817	5.56	2.72
92.2	922	486817	487345	5.71	3.39
92.3	923	487345	487873	6.62	5.21
92.4	924	487873	488401	5.84	7.30
92.5	925	488401	488929	3.68	4.21
92.6	926	488929	489457	6.92	5.66
92.7	927	489457	489985	3.95	6.39
92.8	928	489985	490513	5.73	5.96
92.9	929	490513	491041	4.98	7.80
93	930	491041	491569	6.74	6.15
93.1	931	491569	492097	5.53	5.91
93.2	932	492097	492625	4.12	4.14
93.3	933	492625	493153	4.20	4.17
93.4	934	493153	493681	6.85	6.13
93.5	935	493681	494209	5.71	4.82
93.6	936	494209	494737	7.62	4.91
93.7	937	494737	495265	4.97	6.89
93.8	938	495265	495793	6.65	4.26
93.9	939	495793	496321	4.73	3.85
94	940	496321	496849	5.58	9.31
94.1	941	496849	497377	7.33	7.11
94.2	942	497377	497905	6.92	8.26
94.3	943	497905	498433	3.76	5.77
94.4	944	498433	498961	7.59	4.70

94.5	945	498961	499489	6.78	7.65
94.6	946	499489	500017	5.63	6.25
94.7	947	500017	500545	5.06	6.44
94.8	948	500545	501073	2.98	6.51
94.9	949	501073	501601	6.50	11.81
95	950	501601	502129	4.46	4.65
95.1	951	502129	502657	7.33	5.71
95.2	952	502657	503185	7.62	6.66
95.3	953	503185	503713	5.64	6.61
95.4	954	503713	504241	4.84	9.30
95.5	955	504241	504769	4.02	8.47
95.6	956	504769	505297	6.40	12.60
95.7	957	505297	505825	6.52	6.27
95.8	958	505825	506353	11.12	7.73
95.9	959	506353	506881	6.37	3.70
96	960	506881	507409	7.40	6.90
96.1	961	507409	507937	3.92	7.13
96.2	962	507937	508465	2.42	4.45
96.3	963	508465	508993	4.09	5.77
96.4	964	508993	509521	5.20	9.69
96.5	965	509521	510049	5.60	6.26
96.6	966	510049	510577	5.20	6.74
96.7	967	510577	511105	8.94	5.89
96.8	968	511105	511633	9.30	19.24
96.9	969	511633	512161	6.47	6.48
97	970	512161	512689	5.99	6.74
97.1	971	512689	513217	6.93	5.92
97.2	972	513217	513745	5.61	7.56
97.3	973	513745	514273	6.17	5.68
97.4	974	514273	514801	7.95	8.34
97.5	975	514801	515329	4.34	5.13
97.6	976	515329	515857	4.61	7.07
97.7	977	515857	516385	9.60	5.67
97.8	978	516385	516913	8.42	7.06
97.9	979	516913	517441	6.10	4.68
98	980	517441	517969	23.63	5.59
98.1	981	517969	518497	5.83	7.53
98.2	982	518497	519025	2.98	4.73
98.3	983	519025	519553	3.76	6.45
98.4	984	519553	520081	6.90	6.88
98.5	985	520081	520609	3.71	4.97
98.6	986	520609	521137	8.73	6.16
98.7	987	521137	521665	6.52	4.49

98.8	988	521665	522193	7.42	6.66
98.9	989	522193	522721	8.42	13.77
99	990	522721	523249	6.39	4.35
99.1	991	523249	523777	7.90	6.77
99.2	992	523777	524305	10.83	2.79
99.3	993	524305	524833	7.64	5.76
99.4	994	524833	525361	7.05	5.61
99.5	995	525361	525889	6.75	4.30
99.6	996	525889	526417	6.87	2.73
99.7	997	526417	526945	5.52	4.82
99.8	998	526945	527473	5.29	13.06
99.9	999	527473	528001	8.24	5.28
100	1000	528001	528529	4.50	5.80
100.1	1001	528529	529057	7.03	10.45
100.2	1002	529057	529585	5.02	5.02
100.3	1003	529585	530113	5.75	6.38
100.4	1004	530113	530641	4.86	4.59
100.5	1005	530641	531169	6.52	5.15
100.6	1006	531169	531697	5.29	8.02
100.7	1007	531697	532225	6.25	9.66
100.8	1008	532225	532753	5.61	9.55
100.9	1009	532753	533281	8.22	6.94
101	1010	533281	533809	7.07	7.64
101.1	1011	533809	534337	5.25	8.31
101.2	1012	534337	534865	3.87	7.70
101.3	1013	534865	535393	7.02	7.70
101.4	1014	535393	535921	5.02	7.06
101.5	1015	535921	536449	6.25	7.83
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101.7	1017	536977	537505	4.30	6.70
101.8	1018	537505	538033	5.77	9.14
101.9	1019	538033	538561	4.86	6.72
102	1020	538561	539089	2.18	6.35
102.1	1021	539089	539617	9.45	8.01
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102.3	1023	540145	540673	10.80	2.96
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102.6	1026	541729	542257	6.48	7.60
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102.8	1028	542785	543313	3.37	3.73
102.9	1029	543313	543841	5.35	9.67
103	1030	543841	544369	5.59	7.38

103.1	1031	544369	544897	4.31	3.62
103.2	1032	544897	545425	5.94	4.39
103.3	1033	545425	545953	4.97	6.32
103.4	1034	545953	546481	4.88	4.83
103.5	1035	546481	547009	5.58	4.18
103.6	1036	547009	547537	8.18	11.07
103.7	1037	547537	548065	4.24	4.58
103.8	1038	548065	548593	4.56	4.45
103.9	1039	548593	549121	5.28	4.70
104	1040	549121	549649	6.10	4.60
104.1	1041	549649	550177	3.41	3.57
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104.4	1044	551233	551761	8.85	7.65
104.5	1045	551761	552289	7.75	7.94
104.6	1046	552289	552817	7.02	8.02
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104.8	1048	553345	553873	6.31	4.95
104.9	1049	553873	554401	14.99	6.00
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105.1	1051	554929	555457	3.27	6.45
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105.3	1053	555985	556513	5.82	8.05
105.4	1054	556513	557041	4.23	5.00
105.5	1055	557041	557569	3.18	4.73
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105.8	1058	558625	559153	4.70	3.49
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106.8	1068	563905	564433	4.96	3.92
106.9	1069	564433	564961	5.26	4.17
107	1070	564961	565489	5.92	5.27
107.1	1071	565489	566017	4.76	5.74
107.2	1072	566017	566545	5.13	3.09
107.3	1073	566545	567073	6.27	8.17

107.4	1074	567073	567601	4.08	11.02
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107.8	1078	569185	569713	5.02	6.40
107.9	1079	569713	570241	3.64	6.17
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108.1	1081	570769	571297	3.08	6.81
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108.4	1084	572353	572881	6.03	3.38
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108.8	1088	574465	574993	5.52	6.04
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109.1	1091	576049	576577	6.94	8.34
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109.3	1093	577105	577633	7.89	9.91
109.4	1094	577633	578161	4.48	7.57
109.5	1095	578161	578689	5.97	8.70
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110	1100	580801	581329	7.09	3.96
110.1	1101	581329	581857	4.63	11.81
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110.3	1103	582385	582913	5.67	5.25
110.4	1104	582913	583441	4.03	9.31
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110.6	1106	583969	584497	5.95	8.89
110.7	1107	584497	585025	5.23	8.67
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110.9	1109	585553	586081	5.48	8.15
111	1110	586081	586609	7.11	11.33
111.1	1111	586609	587137	6.54	7.74
111.2	1112	587137	587665	6.40	6.04
111.3	1113	587665	588193	5.13	9.95
111.4	1114	588193	588721	5.93	8.54
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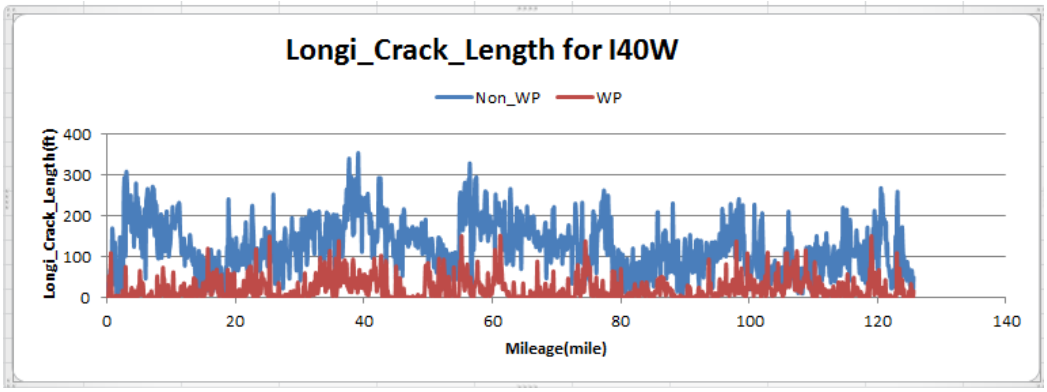
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112	1120	591361	591889	3.39	6.17
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112.6	1126	594529	595057	5.81	10.67
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112.8	1128	595585	596113	6.88	7.65
112.9	1129	596113	596641	4.36	10.70
113	1130	596641	597169	5.72	6.69
113.1	1131	597169	597697	2.98	6.61
113.2	1132	597697	598225	3.61	7.60
113.3	1133	598225	598753	3.85	5.20
113.4	1134	598753	599281	6.20	7.16
113.5	1135	599281	599809	2.92	4.73
113.6	1136	599809	600337	3.63	7.15
113.7	1137	600337	600865	2.04	5.52
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113.9	1139	601393	601921	3.74	4.70
114	1140	601921	602449	7.97	6.11
114.1	1141	602449	602977	6.24	5.15
114.2	1142	602977	603505	6.83	5.32
114.3	1143	603505	604033	10.25	8.39
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114.7	1147	605617	606145	7.39	7.17
114.8	1148	606145	606673	4.23	6.48
114.9	1149	606673	607201	3.14	4.50
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115.4	1154	609313	609841	4.09	7.93
115.5	1155	609841	610369	3.73	9.29
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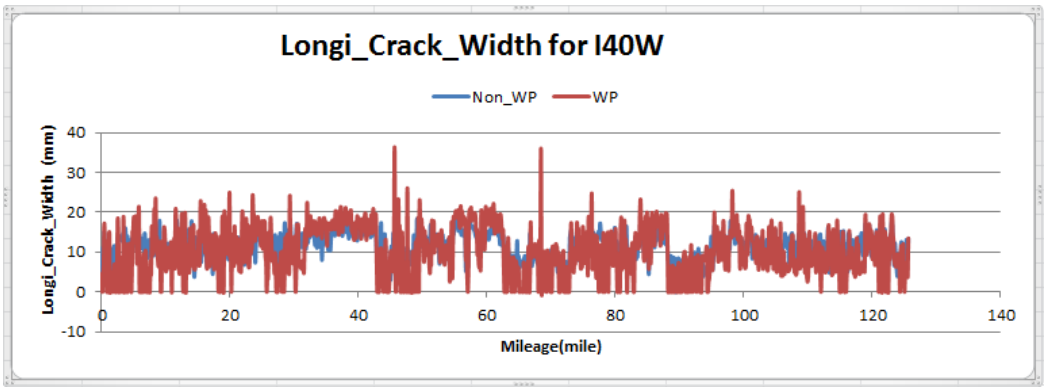
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117	1170	617761	618289	3.64	20.44
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118.4	1184	625153	625681	3.95	5.77
118.5	1185	625681	626209	4.07	5.19
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119.1	1191	628849	629377	3.97	3.94
119.2	1192	629377	629905	3.60	16.83
119.3	1193	629905	630433	4.45	12.74
119.4	1194	630433	630961	3.59	6.70
119.5	1195	630961	631489	3.34	3.60
119.6	1196	631489	632017	10.95	8.25
119.7	1197	632017	632545	6.61	6.52
119.8	1198	632545	633073	8.28	10.33
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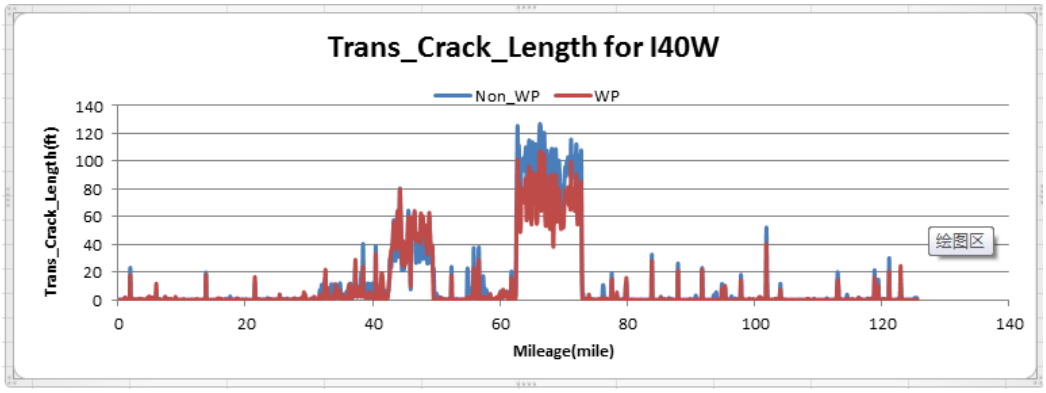
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121	1210	638881	639409	5.45	3.87
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123.3	1233	651025	651553	5.30	8.40
123.4	1234	651553	652081	5.58	5.14
123.5	1235	652081	652609	5.43	7.10
123.6	1236	652609	653137	5.29	6.73
123.7	1237	653137	653665	6.36	5.33
123.8	1238	653665	654193	4.69	6.23
123.9	1239	654193	654721	3.97	4.51
124	1240	654721	655249	4.92	4.55
124.1	1241	655249	655777	5.89	4.37
124.2	1242	655777	656305	7.62	5.53
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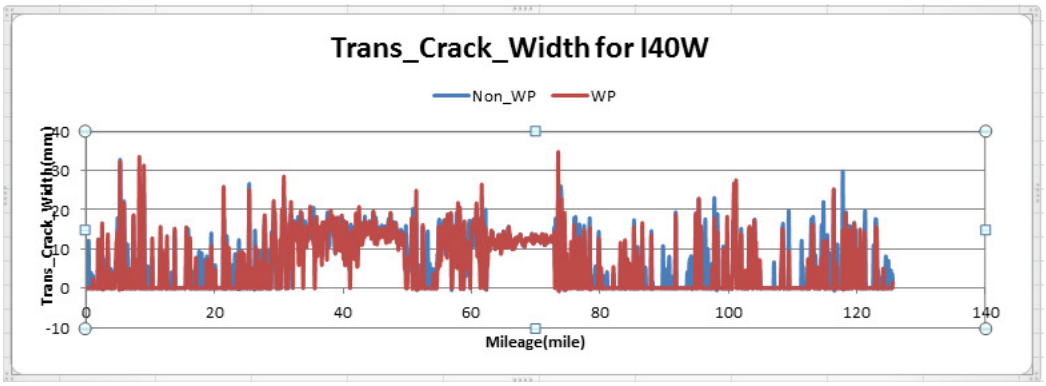
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125.1	1251	660529	661057	6.28	4.19
125.2	1252	661057	661585	4.02	4.10
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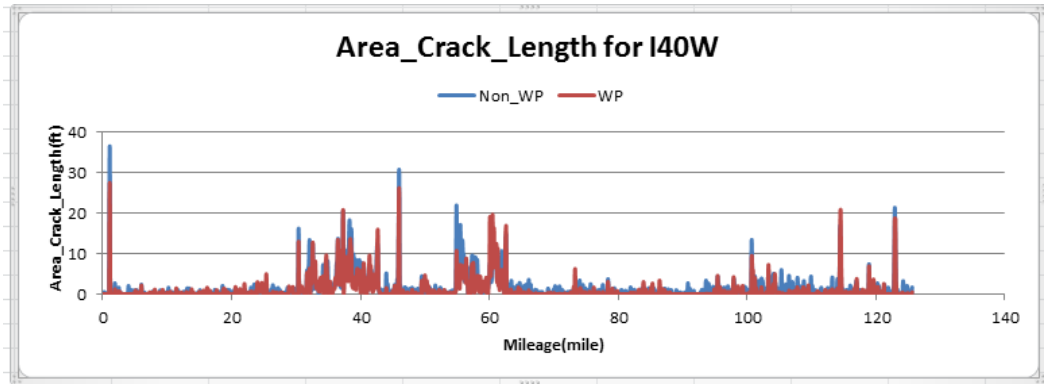
Cracking Data

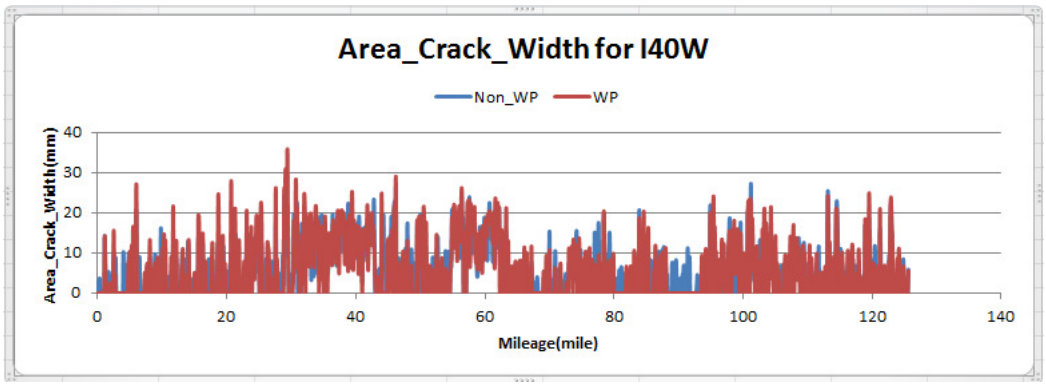







Trans_Crack_Width for I40W
Non_WP
WP
Trans_Crack_Width(mm)
40
30
20
10
0
-10
0
20
40
60
80
100
120
140
Mileage(mile)


Area_Crack_Length for I40W
Non_WP
WP
Area_Crack_Length(ft)
40
30
20
10
0
0
20
40
60
80
100
120
140
Mileage(mile)


Area_Crack_Width for I40W
Non_WP
WP
Area_Crack_Width(mm)
40
30
20
10
0
0
20
40
60
80
100
120
140
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	8.93	1.28	5.17	4.57	0.00	0.00	0.00	0.00	0.52	0.00	2.85	0.00
0.1	31.31	0.00	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.2	33.57	7.94	11.15	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.3	17.97	52.34	9.47	7.10	0.00	0.00	0.00	0.00	0.49	0.00	3.67	0.00
0.4	34.48	5.69	15.10	17.10	0.42	0.00	12.17	0.00	0.00	0.00	0.00	0.00
0.5	68.33	13.03	6.02	12.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.6	24.95	108.44	6.76	10.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.7	33.90	31.19	11.06	8.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.8	167.06	0.00	10.31	0.00	0.48	0.00	3.94	0.00	0.00	0.00	0.00	0.00
0.9	152.63	0.00	9.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	56.41	0.00	7.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.1	32.72	1.34	7.19	10.36	1.90	1.84	3.17	2.36	36.42	27.39	14.14	14.13
1.2	132.67	1.76	9.20	14.75	0.00	0.00	0.00	0.00	0.56	0.48	6.65	5.92
1.3	93.95	0.00	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.4	75.26	4.86	7.43	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.5	4.30	0.00	4.66	0.00	0.00	0.00	0.00	0.00	0.49	0.00	4.40	0.00
1.6	8.42	2.05	7.01	4.31	0.00	0.00	0.00	0.00	0.57	0.00	3.64	0.00
1.7	5.40	0.00	8.04	0.00	0.00	0.00	0.00	0.00	0.48	0.00	5.28	0.00
1.8	8.52	4.01	6.85	4.32	0.00	0.00	0.00	0.00	1.12	0.00	3.99	0.00
1.9	60.95	1.35	11.43	4.37	23.28	17.98	12.53	12.36	2.70	1.21	1.63	2.45
2	147.29	0.84	11.61	6.86	0.00	0.00	0.00	0.00	0.56	0.00	2.06	0.00
2.1	95.97	0.00	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2	61.10	0.00	7.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.3	40.89	0.00	7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.4	16.31	16.34	7.09	6.20	0.00	0.00	0.00	0.00	0.11	0.40	1.67	2.51
2.5	18.19	8.48	13.19	18.38	0.19	0.79	5.53	16.59	1.60	0.68	10.17	15.55
2.6	244.82	4.17	14.05	13.53	0.41	0.00	8.11	0.00	0.00	0.00	0.00	0.00
2.7	292.56	0.00	14.00	0.00	0.07	0.44	2.32	3.48	0.01	0.56	3.07	4.61
2.8	269.09	0.20	13.49	7.20	0.00	0.00	0.00	0.00	0.36	0.00	8.78	0.00
2.9	100.60	74.82	13.96	7.40	0.49	0.00	7.11	0.00	0.00	0.00	0.00	0.00
3	305.32	0.00	13.44	0.00	0.07	0.40	3.30	4.94	0.00	0.00	0.00	0.00
3.1	285.95	0.77	13.14	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.2	233.30	0.00	12.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.3	183.15	0.00	14.60	0.00	0.07	0.42	2.96	4.44	0.00	0.00	0.00	0.00
3.4	206.90	4.57	14.86	18.93	0.36	1.11	9.19	13.79	0.00	0.00	0.00	0.00
3.5	217.05	0.00	15.86	0.00	0.07	0.40	2.05	3.08	0.00	0.00	0.00	0.00
3.6	210.90	9.72	15.24	9.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7	248.64	2.20	15.97	12.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.8	160.85	23.17	12.26	6.39	0.18	0.75	5.00	3.75	0.00	0.00	0.00	0.00
3.9	195.88	15.08	12.83	5.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4	228.41	0.00	14.05	0.00	0.00	0.00	0.00	0.00	2.02	0.00	10.26	0.00
4.1	202.48	0.62	12.24	10.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.2	123.08	1.14	11.11	6.17	0.12	0.37	2.42	3.62	0.00	0.00	0.00	0.00
4.3	218.55	0.74	12.66	12.09	0.43	0.00	3.70	0.00	0.47	0.00	6.90	0.00
4.4	177.73	15.64	10.07	11.28	0.34	0.00	4.55	0.00	1.04	0.00	3.83	0.00
4.5	278.14	0.58	13.00	7.70	0.47	0.00	3.45	0.00	0.00	0.00	0.00	0.00
4.6	221.17	0.00	11.87	0.00	1.06	0.37	6.41	4.36	0.00	0.00	0.00	0.00
4.7	223.02	0.44	11.06	3.86	1.11	2.13	7.16	10.91	0.00	0.00	0.00	0.00
4.8	241.76	3.79	13.65	15.23	0.17	1.14	3.14	12.83	0.91	0.14	9.74	7.90
4.9	149.22	27.32	12.02	15.07	0.92	2.69	17.88	14.27	0.50	0.00	6.84	0.00
5	220.94	6.12	16.19	18.87	0.60	0.35	6.24	3.57	0.00	0.41	0.00	10.28
5.1	149.78	64.27	13.01	15.50	1.40	1.87	9.28	12.47	0.03	0.90	3.47	4.96
5.2	169.75	39.80	11.53	14.29	0.45	0.00	3.53	0.00	1.03	0.15	4.58	6.86
5.3	118.45	39.85	13.13	19.11	1.93	1.83	32.77	32.25	0.54	0.36	2.08	11.77
5.4	195.22	5.83	13.29	12.70	0.13	0.36	3.38	5.08	0.00	0.00	0.00	0.00
5.5	98.62	35.15	10.11	7.05	0.00	0.00	0.00	0.00	0.58	0.37	11.04	16.57
5.6	157.83	31.89	12.98	13.41	0.62	0.62	15.55	14.09	0.52	0.00	2.94	0.00
5.7	123.10	8.36	11.96	12.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.8	215.20	2.09	13.44	21.17	0.03	0.43	3.36	5.04	0.43	0.50	4.86	7.29
5.9	181.44	0.00	14.42	0.00	2.48	2.06	22.13	21.63	0.60	0.94	6.18	8.41
6	45.80	0.00	11.75	0.00	6.13	11.82	9.73	8.32	2.35	2.14	20.45	27.07
6.1	237.48	0.00	13.50	0.00	0.54	0.37	2.72	5.32	0.00	0.00	0.00	0.00
6.2	248.51	0.96	11.14	6.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.3	265.09	0.00	10.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.4	250.19	0.23	12.55	1.75	0.34	0.00	11.10	0.00	0.00	0.00	0.00	0.00
6.5	198.12	6.33	11.31	9.52	0.88	0.00	6.23	0.00	0.38	0.00	8.99	0.00
6.6	200.33	0.23	10.37	8.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	172.60	0.00	14.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.8	236.27	0.70	12.38	10.35	0.13	0.37	3.30	4.95	0.00	0.00	0.00	0.00
6.9	200.93	15.32	12.91	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	250.27	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.1	270.62	0.00	12.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.2	261.32	0.00	8.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.3	264.37	0.00	12.53	0.00	0.07	0.41	8.64	12.96	0.05	0.48	3.40	5.10
7.4	150.69	1.13	13.01	1.46	2.43	2.31	18.16	18.25	0.00	0.00	0.00	0.00
7.5	233.59	0.00	13.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.6	198.57	1.01	10.17	7.68	0.00	0.00	0.00	0.00	0.08	0.41	4.27	6.40
7.7	223.25	3.04	9.25	4.46	0.00	0.00	0.00	0.00	0.61	0.38	6.96	7.26
7.8	126.52	51.61	13.56	16.49	0.47	0.39	4.02	5.59	0.56	0.00	5.42	0.00
7.9	97.50	26.83	10.91	9.28	0.10	0.84	4.77	7.15	0.00	0.00	0.00	0.00
8	94.71	0.88	9.13	9.55	0.00	0.00	0.00	0.00	0.08	0.44	3.46	5.19
8.1	123.63	1.88	9.14	11.41	0.43	0.00	3.48	0.00	0.38	1.13	8.77	13.16
8.2	121.05	27.36	14.60	20.91	0.08	0.40	4.79	7.19	0.00	0.00	0.00	0.00

8.3	118.48	10.69	12.59	10.51	0.67	0.81	10.45	33.47	0.07	0.28	4.09	6.13
8.4	203.33	3.40	11.87	23.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	96.02	10.59	10.32	12.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	191.43	7.22	15.62	13.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	162.18	71.50	12.85	9.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.8	172.12	50.16	8.76	6.54	0.00	0.00	0.00	0.00	0.10	0.44	2.31	3.47
8.9	160.03	44.18	8.42	6.32	0.00	0.00	0.00	0.00	0.90	0.10	9.74	7.44
9	112.04	1.80	17.95	8.31	1.02	2.37	24.20	31.27	0.00	0.00	0.00	0.00
9.1	191.51	2.74	8.82	12.44	0.99	0.42	12.68	6.31	0.00	0.00	0.00	0.00
9.2	197.32	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.3	209.17	0.00	9.21	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.00	8.93
9.4	161.65	10.11	12.17	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	141.78	30.37	10.18	5.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.6	100.22	9.69	7.93	10.99	0.39	0.00	5.64	0.00	0.00	0.00	0.00	0.00
9.7	114.77	1.57	11.95	16.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.8	124.86	1.11	9.82	15.60	0.00	0.00	0.00	0.00	0.41	0.00	16.20	0.00
9.9	139.91	2.27	11.37	10.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	176.93	0.60	9.41	5.14	0.00	0.00	0.00	0.00	0.03	0.36	7.31	10.97
10.1	171.67	9.34	7.78	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.2	221.40	19.49	10.13	5.96	0.00	0.00	0.00	0.00	1.59	0.14	3.35	6.21
10.3	181.30	61.53	12.17	11.16	0.63	0.70	7.78	12.78	0.39	0.21	9.70	14.55
10.4	184.48	24.69	7.65	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.5	195.30	1.78	8.85	7.42	0.00	0.00	0.00	0.00	0.00	0.60	0.00	13.18
10.6	167.69	12.05	7.56	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.7	197.48	3.04	8.86	9.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.8	192.59	9.46	11.45	12.27	0.00	0.00	0.00	0.00	0.51	0.00	4.08	0.00
10.9	201.35	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	225.25	2.80	11.61	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.1	185.69	8.18	12.12	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.2	231.40	1.59	11.80	7.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.3	217.23	8.64	8.10	13.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.4	153.72	11.78	7.78	5.96	0.00	0.00	0.00	0.00	0.62	1.43	5.32	8.87
11.5	141.30	27.08	11.48	20.60	0.06	0.39	5.82	8.74	0.50	0.40	3.19	6.98
11.6	105.31	13.79	7.39	17.42	0.10	0.35	10.31	15.47	0.99	0.00	3.91	0.00
11.7	133.88	5.59	17.94	7.68	0.00	0.00	0.00	0.00	0.97	0.48	12.15	21.61
11.8	131.30	10.70	12.32	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.9	105.63	33.21	10.48	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	143.88	34.48	7.58	6.62	0.07	0.43	6.19	9.28	0.00	0.00	0.00	0.00
12.1	76.99	4.10	8.52	4.58	0.06	0.41	2.48	3.72	0.00	0.00	0.00	0.00
12.2	121.77	0.02	11.26	8.64	0.02	0.42	4.93	7.40	0.14	0.39	8.71	13.07
12.3	114.63	15.61	9.85	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.4	96.26	8.95	8.40	15.97	0.08	0.82	4.39	6.59	0.00	0.00	0.00	0.00
12.5	97.63	18.90	9.02	19.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.6	120.67	14.45	12.18	7.38	0.00	0.41	0.00	13.31	0.61	0.00	2.78	0.00
12.7	103.88	0.00	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.8	131.81	0.00	7.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.9	152.89	25.75	10.82	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	139.85	12.85	15.61	19.87	0.00	0.00	0.00	0.00	0.52	0.56	5.89	6.17
13.1	113.79	0.00	8.30	0.00	0.00	0.00	0.00	0.00	1.40	0.05	9.94	7.67
13.2	88.43	21.48	9.82	8.63	0.00	0.00	0.00	0.00	0.57	0.01	7.17	10.75
13.3	114.62	8.25	8.40	9.49	0.49	0.00	4.11	0.00	1.30	0.00	5.53	0.00
13.4	79.17	1.82	14.52	8.07	0.00	0.00	0.00	0.00	1.41	0.26	4.31	2.80
13.5	118.05	47.55	15.69	11.94	0.00	0.00	0.00	0.00	0.91	0.00	4.27	0.00
13.6	118.88	11.25	11.31	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.7	62.76	24.10	8.60	7.58	0.00	0.00	0.00	0.00	0.97	0.00	8.30	0.00
13.8	50.35	42.60	12.36	16.06	19.89	18.23	14.66	15.26	0.45	1.20	5.40	4.59
13.9	77.40	14.59	11.19	9.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	72.65	1.50	17.83	7.39	0.00	0.00	0.00	0.00	0.37	0.00	12.67	0.00
14.1	15.93	2.90	10.61	10.67	0.00	0.00	0.00	0.00	0.23	0.34	8.84	13.26
14.2	19.89	18.57	10.23	6.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.3	113.80	9.28	12.25	16.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.4	43.02	17.87	3.91	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10.88	11.78	7.15	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.6	65.10	4.39	13.78	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.7	76.99	14.80	9.34	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.8	101.34	0.36	10.03	10.03	0.00	0.00	0.00	0.00	0.45	0.00	3.66	0.00
14.9	41.18	35.50	8.46	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	93.53	12.55	12.20	7.72	0.00	0.00	0.00	0.00	0.34	0.58	3.35	5.02
15.1	86.75	1.25	10.13	15.34	0.00	0.00	0.00	0.00	0.99	0.00	5.12	0.00
15.2	81.75	15.26	11.59	6.55	0.00	0.00	0.00	0.00	0.19	0.22	3.12	4.68
15.3	91.99	7.81	13.40	7.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.4	38.59	38.97	9.76	22.82	0.00	0.00	0.00	0.00	0.46	0.00	2.74	0.00
15.5	25.62	29.59	7.47	13.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	82.13	21.04	11.25	19.10	0.16	1.12	8.69	15.41	0.59	0.84	13.97	19.37
15.7	16.08	119.01	9.80	15.26	0.23	0.74	5.55	8.32	0.14	0.77	6.26	18.81
15.8	104.64	38.86	10.96	12.68	0.24	1.16	8.65	6.93	0.08	0.40	4.07	6.10
15.9	74.38	45.82	13.15	16.96	0.15	1.16	15.12	10.93	0.00	0.00	0.00	0.00
16	36.72	56.82	10.83	21.76	0.09	0.31	6.66	9.98	0.00	0.00	0.00	0.00
16.1	83.76	6.14	11.46	9.83	0.00	0.00	0.00	0.00	0.07	0.44	5.85	8.77
16.2	116.83	32.80	9.30	20.59	0.08	0.87	8.59	12.88	0.00	1.57	0.00	10.85
16.3	68.59	6.57	8.72	11.33	0.00	0.00	0.00	0.00	0.54	0.43	12.36	14.50
16.4	37.32	12.23	6.25	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	15.50	59.85	10.06	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.6	39.58	49.38	9.96	18.74	0.00	0.00	0.00	0.00	0.74	0.86	3.23	4.84
16.7	97.40	23.40	10.34	15.44	0.00	0.00	0.00	0.00	0.00	0.51	0.00	7.77
16.8	62.45	31.50	9.65	6.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

16.9	24.81	30.22	8.53	12.64	0.97	0.00	4.55	0.00	0.00	0.00	0.00	0.00
17	35.82	36.86	7.17	14.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.1	35.03	68.27	6.85	9.13	0.04	0.36	5.21	7.81	0.00	0.00	0.00	0.00
17.2	28.55	13.31	8.34	14.18	0.00	0.00	0.00	0.00	0.44	0.00	8.48	0.00
17.3	36.37	30.47	4.62	7.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.4	112.72	2.80	14.38	8.75	0.00	0.00	0.00	0.00	1.06	0.00	3.83	0.00
17.5	34.71	3.76	11.75	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.6	29.36	6.94	7.77	7.24	2.67	0.00	9.43	0.00	0.00	0.00	0.00	0.00
17.7	73.28	13.99	10.38	14.80	0.00	0.00	0.00	0.00	0.47	1.00	3.60	9.35
17.8	60.06	55.28	8.04	8.10	0.00	0.00	0.00	0.00	0.16	0.34	8.19	12.29
17.9	57.16	20.04	11.53	14.01	0.00	0.00	0.00	0.00	0.60	0.00	2.14	0.00
18	26.66	1.61	9.57	9.03	0.49	0.00	8.99	0.00	0.46	0.00	4.07	0.00
18.1	52.26	5.27	10.83	5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.2	12.66	0.00	8.64	0.00	0.00	0.00	0.00	0.00	0.55	0.00	2.95	0.00
18.3	34.78	0.60	7.11	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.4	47.10	0.00	6.90	0.00	0.00	0.00	0.00	0.00	0.51	0.00	3.57	0.00
18.5	74.40	8.72	9.52	8.90	0.00	0.00	0.00	0.00	0.56	0.00	3.92	0.00
18.6	61.91	5.73	11.64	14.12	1.22	0.00	7.36	0.00	2.04	0.33	12.35	8.20
18.7	124.85	3.99	10.55	8.60	0.00	0.00	0.00	0.00	0.33	0.92	8.83	24.66
18.8	95.58	67.70	9.99	19.03	1.13	1.18	8.16	7.12	1.12	1.36	5.49	10.62
18.9	237.98	6.42	11.81	9.27	0.07	0.42	3.15	4.72	0.00	0.00	0.00	0.00
19	176.73	0.00	17.42	0.00	0.00	0.00	0.00	0.00	0.44	1.15	3.28	4.90
19.1	136.09	2.99	12.31	20.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.2	79.85	55.75	9.81	18.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.3	86.73	56.52	12.07	16.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.4	142.04	25.18	14.74	18.18	0.00	0.00	0.00	0.00	1.03	0.52	2.49	14.32
19.5	74.22	0.87	16.38	9.53	0.60	0.37	14.03	10.91	0.97	0.00	11.65	0.00
19.6	125.50	4.34	11.27	18.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.7	55.65	11.25	8.24	15.94	0.00	0.00	0.00	0.00	0.96	0.10	4.19	7.39
19.8	57.29	59.20	8.17	9.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.9	106.20	6.66	11.15	25.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	75.10	0.18	11.18	8.53	0.00	0.00	0.00	0.00	0.48	0.00	5.38	0.00
20.1	145.79	0.91	13.88	11.25	0.61	0.37	5.90	4.63	0.49	0.00	4.97	0.00
20.2	87.06	0.00	8.55	0.00	0.00	0.00	0.00	0.00	0.48	0.00	3.86	0.00
20.3	115.27	4.92	10.09	12.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.4	66.43	16.40	8.76	14.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.5	76.61	3.57	11.77	8.89	0.00	0.00	0.00	0.00	1.10	0.00	7.07	0.00
20.6	76.03	19.40	9.45	6.75	0.00	0.00	0.00	0.00	1.07	1.77	5.18	10.25
20.7	86.52	1.08	12.09	16.51	0.00	0.00	0.00	0.00	0.55	0.43	7.34	27.82
20.8	79.08	6.81	8.95	9.06	0.00	0.00	0.00	0.00	1.12	0.00	2.94	0.00
20.9	93.08	2.76	9.71	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	128.78	1.02	8.66	13.82	0.00	0.00	0.00	0.00	0.62	0.33	15.15	8.21
21.1	110.27	1.55	7.79	7.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

21.2	79.54	24.81	13.60	12.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.3	96.40	40.29	11.98	13.15	0.00	0.00	0.00	0.00	0.91	1.27	14.05	21.08
21.4	149.80	2.02	11.10	5.42	0.08	0.85	16.85	25.28	1.06	0.00	14.56	0.00
21.5	125.34	5.00	11.11	6.97	12.18	16.64	17.69	16.76	0.00	0.00	0.00	0.00
21.6	183.69	4.33	10.37	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.7	116.95	4.93	9.75	5.06	0.19	0.74	7.81	11.71	0.37	0.00	7.10	0.00
21.8	67.81	27.94	11.68	13.51	0.00	0.00	0.00	0.00	0.00	0.57	0.00	6.39
21.9	126.51	65.24	13.15	20.32	0.81	0.00	13.07	0.00	0.31	0.54	4.67	13.21
22	98.61	26.47	10.62	15.28	0.82	0.00	8.15	0.00	1.22	2.51	3.55	6.11
22.1	97.40	14.86	10.06	13.10	0.41	0.00	3.07	0.00	0.00	0.00	0.00	0.00
22.2	38.69	73.75	6.78	7.55	0.13	0.37	6.74	10.11	0.00	0.00	0.00	0.00
22.3	88.57	59.94	9.67	9.08	0.55	0.36	5.72	7.24	0.50	0.00	2.17	0.00
22.4	129.46	75.29	10.82	10.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	186.32	36.54	14.52	18.48	0.41	0.00	5.29	0.00	0.00	0.00	0.00	0.00
22.6	224.22	8.22	11.42	10.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.7	190.72	6.99	9.14	16.96	0.00	0.00	0.00	0.00	0.00	0.48	0.00	7.91
22.8	154.05	0.55	12.42	7.93	0.00	0.00	0.00	0.00	0.57	0.00	3.10	0.00
22.9	95.19	10.60	8.28	6.13	0.49	0.00	6.02	0.00	0.00	0.00	0.00	0.00
23	109.57	1.91	10.41	6.25	0.00	0.00	0.00	0.00	1.59	0.00	8.97	0.00
23.1	63.36	52.69	11.42	16.40	0.00	0.00	0.00	0.00	0.56	0.70	11.72	20.59
23.2	37.33	117.89	11.29	9.68	0.45	0.00	8.68	0.00	0.00	0.00	0.00	0.00
23.3	113.59	41.12	10.83	10.60	0.39	0.00	4.56	0.00	0.00	0.00	0.00	0.00
23.4	119.96	39.44	10.73	11.10	0.87	0.00	5.91	0.00	0.00	0.00	0.00	0.00
23.5	100.68	1.96	10.14	24.13	1.61	0.71	6.10	4.57	2.39	0.20	9.25	7.15
23.6	106.51	6.67	10.91	20.03	0.37	0.00	4.02	0.00	1.36	0.33	7.76	3.83
23.7	92.42	15.87	9.55	19.32	0.00	0.42	0.00	8.87	0.00	0.00	0.00	0.00
23.8	63.34	41.72	14.52	16.41	1.01	0.41	12.33	8.02	0.61	0.92	8.58	16.53
23.9	86.95	9.51	7.44	12.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	93.49	14.81	10.75	17.74	0.14	0.83	3.33	4.99	0.58	2.94	11.22	6.80
24.1	140.74	58.51	14.35	14.27	0.00	0.41	0.00	4.35	0.08	1.36	5.43	12.90
24.2	104.09	44.91	13.02	15.79	0.04	0.42	3.00	4.50	1.74	2.15	8.19	5.63
24.3	116.92	38.03	15.34	18.89	0.05	0.44	6.20	9.30	0.62	0.48	13.81	3.47
24.4	95.77	45.62	13.81	16.14	0.00	0.00	0.00	0.00	0.93	1.25	8.33	12.27
24.5	124.80	30.80	14.99	17.28	0.00	0.00	0.00	0.00	0.47	1.07	5.30	13.53
24.6	169.68	31.98	15.78	16.98	0.07	0.41	5.85	8.77	0.88	2.24	10.59	19.33
24.7	123.61	25.89	15.78	15.26	0.43	0.00	3.78	0.00	0.78	2.75	8.05	13.09
24.8	100.62	8.08	12.14	11.55	0.07	0.41	3.87	5.80	0.74	0.35	6.79	10.18
24.9	101.25	34.87	13.59	17.71	0.09	0.37	2.79	4.18	0.67	1.51	9.34	14.01
25	75.42	23.21	14.09	16.22	0.00	0.00	0.00	0.00	0.87	0.60	4.77	15.55
25.1	116.70	1.24	13.73	10.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.2	159.37	4.38	12.63	16.27	0.00	0.00	0.00	0.00	0.41	0.92	5.02	14.53
25.3	149.49	148.10	15.59	17.88	0.59	1.23	4.46	8.26	2.60	2.89	11.95	22.54
25.4	113.75	65.98	15.08	17.45	2.21	4.09	26.63	25.00	1.38	4.81	12.40	19.32

25.5	104.34	9.18	13.69	8.94	0.00	0.00	0.00	0.00	0.58	0.00	3.24	0.00
25.6	123.60	10.06	12.50	7.17	0.00	0.00	0.00	0.00	0.50	0.00	4.20	0.00
25.7	88.12	0.00	10.77	0.00	0.32	0.00	3.40	0.00	0.00	0.00	0.00	0.00
25.8	111.05	3.41	13.62	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.9	251.93	0.39	12.99	3.32	0.89	0.00	4.95	0.00	0.00	0.00	0.00	0.00
26	128.78	1.55	9.99	14.80	0.42	0.00	3.67	0.00	0.00	0.00	0.00	0.00
26.1	42.83	6.87	11.89	8.66	0.09	0.36	3.45	5.17	1.16	0.00	8.50	0.00
26.2	33.15	0.29	13.68	11.53	0.00	0.00	0.00	0.00	0.57	0.00	3.74	0.00
26.3	130.83	4.56	13.99	18.71	0.50	0.00	14.62	0.00	0.53	0.03	8.43	12.64
26.4	110.06	4.15	13.64	14.20	0.56	0.37	6.31	10.54	2.21	0.63	7.73	11.60
26.5	73.99	3.49	12.91	8.10	0.00	0.00	0.00	0.00	0.50	0.09	7.07	10.61
26.6	32.92	2.75	11.68	7.68	1.20	0.74	6.55	9.86	1.44	0.22	3.64	5.62
26.7	57.07	35.20	12.99	9.84	0.00	0.00	0.00	0.00	0.66	0.40	7.01	4.49
26.8	75.94	21.75	10.21	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.9	57.45	1.71	13.98	4.60	0.00	0.00	0.00	0.00	0.99	0.00	3.98	0.00
27	133.68	0.30	14.33	9.84	0.00	0.00	0.00	0.00	0.48	0.43	7.90	3.62
27.1	104.96	3.30	11.60	5.42	0.47	0.00	9.42	0.00	0.98	0.00	5.10	0.00
27.2	87.27	0.00	11.15	0.00	0.00	0.00	0.00	0.00	1.52	0.00	5.84	0.00
27.3	59.84	0.00	8.33	0.00	0.61	0.38	4.65	6.97	1.13	0.00	3.51	0.00
27.4	21.35	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	87.39	0.98	9.44	5.94	0.00	0.00	0.00	0.00	0.98	0.15	3.36	5.04
27.6	143.51	1.01	13.83	6.76	0.40	0.00	4.15	0.00	0.04	0.38	17.46	26.19
27.7	169.30	6.55	11.20	4.11	1.18	1.16	6.29	15.04	0.00	0.00	0.00	0.00
27.8	158.91	0.35	14.78	8.54	0.64	1.21	16.18	18.66	0.03	0.41	5.63	8.45
27.9	89.23	3.35	12.61	9.99	0.18	0.72	10.03	15.04	0.42	0.00	4.53	0.00
28	94.75	7.26	13.69	7.69	0.00	0.00	0.00	0.00	0.24	0.00	3.64	0.00
28.1	94.44	0.00	10.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.2	84.60	3.53	9.60	10.26	0.50	0.00	4.34	0.00	0.00	0.00	0.00	0.00
28.3	88.14	0.00	10.11	0.00	0.49	0.00	3.97	0.00	0.41	0.00	4.82	0.00
28.4	45.27	0.00	11.04	0.00	1.02	0.43	9.77	5.77	0.00	0.00	0.00	0.00
28.5	110.86	7.26	17.24	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.6	152.64	14.23	15.50	13.69	0.41	0.00	4.27	0.00	0.90	0.00	3.88	0.00
28.7	147.78	3.05	9.16	5.01	0.00	0.00	0.00	0.00	1.65	0.00	9.59	0.00
28.8	194.42	3.39	10.91	9.25	0.00	0.00	0.00	0.00	0.62	0.00	2.28	0.00
28.9	145.87	13.34	15.58	14.51	1.29	2.01	14.46	13.36	1.20	1.90	24.07	25.75
29	154.07	5.04	11.30	7.93	0.13	0.36	4.36	6.55	0.55	0.46	14.83	17.16
29.1	115.79	16.34	8.52	11.73	0.34	1.57	13.37	10.03	0.64	1.51	9.32	30.78
29.2	158.07	0.52	9.05	4.76	1.42	5.63	19.56	22.27	0.60	1.17	19.76	29.31
29.3	101.88	4.16	15.10	24.16	0.52	0.38	18.01	12.96	1.26	0.85	12.15	15.44
29.4	106.72	0.42	16.83	10.76	1.05	4.01	12.88	19.44	0.24	0.71	11.95	35.85
29.5	64.98	5.03	13.20	13.06	0.44	1.50	12.06	9.83	0.10	1.77	16.19	12.15
29.6	115.87	1.99	10.48	7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.7	142.71	36.52	12.81	10.52	0.00	0.00	0.00	0.00	1.41	0.00	4.92	0.00

29.8	156.57	4.63	12.42	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.9	138.91	0.87	11.20	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	99.99	0.24	13.05	13.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.1	40.99	2.41	11.89	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.2	84.16	0.00	10.49	0.00	0.47	0.43	5.90	12.35	0.51	0.00	4.64	0.00
30.3	191.73	1.85	14.91	5.02	0.00	0.00	0.00	0.00	0.14	0.29	2.84	4.26
30.4	182.68	3.94	17.06	17.03	1.28	0.84	7.09	9.74	16.14	12.93	19.62	18.06
30.5	163.18	0.02	11.23	7.73	0.55	0.78	13.45	20.18	0.02	0.38	7.31	10.96
30.6	115.53	27.04	11.70	17.01	0.50	0.87	8.53	12.14	0.14	1.14	5.18	6.92
30.7	148.22	28.03	10.58	8.18	0.07	1.21	6.20	17.65	0.34	0.68	9.34	28.01
30.8	172.79	59.09	12.74	7.93	0.90	2.47	23.29	28.43	0.22	1.88	13.52	19.78
30.9	194.59	7.78	13.54	6.22	0.32	1.16	13.93	10.99	0.22	1.87	22.16	21.55
31	182.93	9.66	12.35	7.23	0.31	1.57	19.41	17.99	0.00	0.47	0.00	10.83
31.1	80.28	11.16	12.00	5.80	0.00	0.00	0.00	0.00	0.00	0.45	0.00	5.53
31.2	92.70	0.94	14.74	6.11	0.00	0.00	0.00	0.00	0.00	1.08	0.00	3.63
31.3	153.21	3.36	11.24	7.82	0.07	0.41	3.86	5.78	0.00	0.00	0.00	0.00
31.4	183.52	0.33	11.95	6.89	0.37	0.00	7.88	0.00	0.00	0.00	0.00	0.00
31.5	212.05	1.03	11.15	4.92	0.00	0.38	0.00	7.18	0.00	0.00	0.00	0.00
31.6	205.19	19.26	15.02	13.54	0.20	0.79	8.35	6.26	0.22	1.33	17.05	10.20
31.7	173.64	33.50	12.95	15.91	7.11	3.84	16.57	16.19	5.85	5.31	14.82	14.51
31.8	206.44	5.00	10.82	11.72	4.43	3.83	14.57	15.35	3.25	1.72	11.90	6.97
31.9	144.12	6.24	13.21	15.22	6.13	1.97	19.00	22.03	5.99	0.45	15.05	10.10
32	150.26	20.23	14.78	22.47	11.15	1.82	15.57	14.42	7.84	1.78	16.98	24.65
32.1	189.66	23.10	12.35	15.09	8.32	0.77	13.99	15.30	13.24	6.30	17.50	21.59
32.2	121.10	4.88	13.94	17.47	2.74	0.00	10.85	0.00	3.23	0.00	14.68	0.00
32.3	107.31	39.31	14.09	16.55	2.03	2.09	16.63	16.37	0.67	2.72	11.36	19.48
32.4	205.93	28.12	13.69	14.16	2.06	0.67	17.14	12.72	1.54	2.55	16.02	7.67
32.5	206.72	59.88	14.73	19.09	14.29	13.00	14.61	14.00	10.90	6.96	17.10	16.35
32.6	190.10	39.37	14.21	16.30	15.53	21.74	15.51	15.35	12.26	12.70	14.48	14.81
32.7	168.42	12.28	14.43	14.52	6.62	5.46	12.74	12.18	3.30	5.08	12.75	11.63
32.8	192.18	9.26	15.94	17.81	1.77	3.40	12.67	14.68	1.25	3.16	12.05	6.66
32.9	195.39	19.57	16.06	16.58	5.71	8.86	15.12	15.15	5.72	5.08	16.71	17.61
33	210.44	56.04	16.04	16.51	4.97	5.17	18.02	16.43	3.79	7.96	19.36	19.76
33.1	181.26	31.67	13.83	17.67	2.63	0.33	9.57	6.04	1.76	1.39	3.26	10.69
33.2	90.71	97.21	11.80	17.76	5.54	0.78	11.70	7.23	2.64	1.46	12.96	16.91
33.3	140.82	46.79	12.26	14.54	5.65	2.17	14.94	8.93	2.92	2.80	13.43	11.85
33.4	145.58	30.17	13.13	15.04	6.04	1.11	15.68	19.48	1.64	1.92	8.06	7.98
33.5	102.36	72.60	11.11	14.19	11.44	0.38	18.34	13.49	0.07	0.68	4.33	6.49
33.6	143.81	35.19	11.69	14.48	4.33	1.88	19.11	13.06	3.02	3.21	14.30	15.11
33.7	128.52	55.93	13.57	15.11	6.12	0.78	8.88	9.55	2.50	0.55	4.97	19.96
33.8	134.75	48.95	14.36	16.75	10.13	0.00	10.15	0.00	3.22	3.98	13.17	21.72
33.9	87.98	85.96	11.35	18.54	11.25	0.81	15.68	9.89	3.23	2.60	11.19	17.71
34	181.38	13.54	12.67	15.98	6.15	5.06	17.16	12.31	3.07	1.97	16.33	13.68

34.1	167.73	14.38	13.40	14.55	6.20	1.87	16.80	15.69	2.17	1.84	7.74	10.87
34.2	207.79	27.92	15.15	17.64	6.54	11.44	14.63	14.53	7.20	4.40	18.85	17.71
34.3	163.31	27.34	8.03	13.49	4.91	1.83	11.73	10.36	2.53	0.00	11.27	0.00
34.4	156.63	23.04	13.87	16.12	10.76	1.44	14.40	14.69	0.88	0.50	3.74	12.51
34.5	202.06	33.14	11.74	16.73	8.90	2.59	13.59	12.00	3.51	0.29	12.17	3.28
34.6	98.35	93.19	15.03	18.61	7.41	3.64	14.50	14.08	4.52	7.31	18.41	16.58
34.7	145.68	112.45	14.42	18.10	9.58	7.34	14.68	16.09	5.74	9.55	19.44	16.05
34.8	161.15	41.92	12.46	17.80	9.64	3.56	15.07	16.79	5.04	6.06	15.81	14.69
34.9	144.23	27.48	13.43	17.42	12.13	2.07	18.37	20.85	8.11	2.27	17.90	14.40
35	146.41	25.17	13.40	15.92	5.50	1.01	12.84	14.78	3.57	0.55	4.76	4.11
35.1	194.51	2.91	12.69	11.52	3.22	2.76	14.78	17.63	1.26	0.00	4.76	0.00
35.2	196.64	5.02	12.01	16.59	4.52	1.42	18.02	16.62	2.13	1.44	10.37	18.71
35.3	202.46	12.89	10.52	17.32	0.94	3.93	13.19	12.95	2.47	3.06	11.63	13.40
35.4	93.12	66.20	14.45	17.06	2.25	0.38	20.53	11.01	0.64	0.00	1.92	0.00
35.5	69.64	32.68	13.32	15.64	3.10	1.10	14.73	10.97	2.08	0.00	11.04	0.00
35.6	90.60	95.26	10.43	17.38	1.42	0.00	8.41	0.00	0.52	0.00	5.67	0.00
35.7	194.06	4.24	13.34	16.79	2.57	0.60	8.78	7.44	2.27	0.44	4.98	9.40
35.8	201.33	16.59	16.64	15.70	1.82	1.78	8.00	12.15	2.37	1.15	13.90	14.89
35.9	144.48	36.37	14.68	18.00	6.14	1.02	15.67	18.18	2.40	1.44	12.28	10.64
36	113.55	85.49	14.39	16.00	3.77	0.71	12.79	8.25	3.04	1.32	12.59	7.45
36.1	58.12	137.52	17.34	18.15	4.44	0.97	14.30	13.62	2.11	4.04	9.90	14.46
36.2	186.26	44.73	15.77	16.56	9.32	6.20	14.30	14.33	4.06	3.91	15.18	14.98
36.3	175.74	27.01	14.14	15.83	9.40	11.42	15.06	15.21	7.73	3.35	12.38	6.87
36.4	173.64	69.86	16.09	20.34	5.18	9.87	13.38	13.50	6.23	7.82	19.54	15.69
36.5	127.99	58.26	18.01	18.28	11.98	9.33	15.64	15.71	13.65	13.28	15.24	18.14
36.6	98.76	57.29	14.87	16.97	0.72	2.22	13.96	14.69	5.15	2.65	11.02	14.85
36.7	109.10	60.26	16.67	20.17	3.26	1.21	8.36	5.90	5.16	2.34	12.37	16.94
36.8	159.15	84.42	17.40	17.06	4.63	0.85	8.47	16.68	7.94	10.72	14.88	15.35
36.9	173.44	35.87	14.64	14.36	6.62	3.47	12.66	12.72	1.80	2.60	14.41	13.38
37	223.69	91.46	17.23	17.72	10.26	3.48	13.79	12.70	3.71	2.16	6.86	7.31
37.1	168.74	54.32	14.53	16.53	4.44	2.79	15.26	13.76	1.40	3.41	8.92	14.66
37.2	210.07	59.64	15.14	21.40	11.40	12.16	15.98	16.51	4.16	3.85	19.76	20.57
37.3	264.13	82.08	16.03	20.99	24.07	29.05	16.57	16.38	20.45	20.72	16.08	17.11
37.4	217.03	27.28	14.52	15.19	9.27	6.55	17.21	16.54	5.71	0.41	9.75	4.83
37.5	191.85	45.26	14.13	15.07	8.71	2.46	17.27	7.23	7.81	3.80	15.83	16.58
37.6	299.85	19.14	16.48	18.46	2.19	3.54	19.25	17.40	9.27	8.58	15.69	16.17
37.7	339.11	21.06	18.50	17.57	3.55	3.32	12.75	14.71	6.15	4.11	19.11	19.30
37.8	281.39	13.61	16.71	17.31	9.80	4.62	16.11	15.35	6.30	4.60	19.68	20.66
37.9	283.33	45.87	15.51	19.09	7.45	8.76	10.70	15.08	8.51	9.20	10.68	18.93
38	294.25	39.97	17.02	21.13	8.79	7.66	18.73	17.57	10.94	3.29	19.95	14.80
38.1	226.04	13.34	14.97	17.33	5.31	2.76	17.73	19.81	6.84	3.14	18.31	19.93
38.2	200.53	75.50	17.42	16.91	19.63	2.20	15.62	15.75	12.93	5.73	16.34	13.46
38.3	151.85	92.94	15.41	18.28	20.34	6.66	14.95	17.57	18.18	10.68	14.77	7.20

38.4	170.83	78.19	14.59	17.93	15.15	16.82	16.89	18.36	11.28	13.56	14.52	17.12
38.5	157.73	46.61	13.50	17.48	40.44	23.62	14.19	13.25	14.53	12.30	17.10	14.29
38.6	286.31	35.03	17.32	20.05	13.76	4.50	15.19	13.71	15.83	10.06	13.95	17.83
38.7	259.88	22.68	15.90	17.76	12.21	5.22	13.33	12.65	5.84	2.14	10.54	13.03
38.8	218.99	42.88	14.47	20.56	5.73	1.47	8.80	9.00	5.94	1.68	22.11	5.41
38.9	200.89	46.46	17.47	15.29	7.82	2.96	12.37	12.18	9.83	1.38	18.48	11.03
39	273.21	12.19	16.02	15.58	4.05	2.19	10.61	17.99	4.17	2.09	8.98	19.38
39.1	352.88	21.45	13.95	14.67	6.76	4.04	13.87	15.14	5.44	1.39	9.21	7.99
39.2	283.10	22.50	16.16	16.68	3.62	3.81	16.15	12.61	8.54	4.16	15.47	10.62
39.3	198.82	67.53	14.33	13.02	11.87	1.16	15.47	15.82	8.28	1.04	13.32	6.61
39.4	240.79	33.23	13.26	15.27	9.54	2.03	18.00	9.62	7.74	4.77	18.79	25.01
39.5	245.50	54.98	14.70	17.39	8.61	5.84	11.77	14.34	6.79	6.27	10.35	16.34
39.6	208.93	23.61	14.35	13.52	4.05	2.17	17.88	9.52	5.37	5.19	9.26	5.69
39.7	110.76	22.96	13.81	17.30	6.45	1.87	11.03	11.67	3.87	4.42	11.06	17.95
39.8	241.44	54.61	12.90	19.09	4.80	4.01	16.61	18.48	8.32	5.89	8.78	13.95
39.9	234.41	44.67	14.64	17.84	11.99	1.45	9.98	15.54	7.09	5.82	16.40	16.17
40	215.62	29.52	15.41	17.78	7.26	1.49	13.78	11.48	7.84	0.34	16.92	14.61
40.1	224.78	56.57	16.68	18.46	7.28	0.74	17.32	7.34	7.69	4.37	15.48	9.27
40.2	243.40	15.61	16.42	16.91	7.72	1.26	15.50	14.52	5.37	2.05	8.76	16.68
40.3	212.56	39.87	15.41	15.72	12.33	0.35	14.08	5.97	7.29	4.05	17.48	14.93
40.4	211.05	7.48	13.73	13.38	2.66	0.99	13.63	8.36	3.20	0.40	9.20	4.73
40.5	209.60	49.17	14.23	18.09	38.93	33.27	16.13	16.72	6.91	7.63	19.12	16.32
40.6	253.38	49.52	16.89	17.79	8.89	3.95	15.33	13.39	4.84	2.75	10.93	10.07
40.7	223.30	4.52	15.27	16.26	2.95	0.36	9.64	6.03	0.68	0.83	10.42	6.59
40.8	195.65	28.71	16.43	18.60	1.91	0.38	11.67	13.20	1.97	0.23	7.84	8.16
40.9	155.77	16.12	14.45	15.23	0.75	0.65	6.44	9.66	2.60	0.07	8.49	5.43
41	204.05	43.26	17.58	19.78	2.27	0.68	4.96	7.13	0.50	0.00	2.66	0.00
41.1	187.79	65.01	17.48	19.63	0.96	0.00	11.21	0.00	1.27	3.99	15.96	15.36
41.2	182.93	41.84	14.72	13.18	7.81	1.86	16.30	8.50	1.35	1.07	7.92	10.73
41.3	97.63	43.73	15.30	15.53	11.80	12.48	13.61	14.57	4.99	4.62	15.62	11.63
41.4	131.74	53.59	16.15	18.18	8.86	19.47	15.72	14.73	4.95	9.53	16.38	15.85
41.5	133.51	58.94	15.16	14.34	9.04	19.02	14.04	13.79	5.68	5.25	10.53	14.48
41.6	102.44	95.56	15.03	16.45	6.15	13.53	14.60	13.95	4.01	6.93	11.72	15.24
41.7	161.33	43.73	16.70	17.20	6.77	6.46	11.07	11.09	5.87	2.31	16.19	18.05
41.8	137.81	73.17	15.80	15.17	5.34	0.38	12.88	7.34	2.45	0.81	11.57	21.55
41.9	150.81	37.45	13.81	16.05	2.15	1.14	15.30	7.52	1.06	0.45	8.18	5.74
42	135.09	13.83	17.99	19.44	6.58	1.13	13.14	18.99	2.78	0.79	17.13	15.97
42.1	142.13	30.64	14.21	14.79	5.76	2.08	13.86	13.61	4.00	4.83	19.84	16.17
42.2	191.79	39.78	15.08	18.03	2.94	0.74	13.15	5.48	2.00	1.86	14.38	16.69
42.3	291.86	45.70	15.68	20.87	1.62	0.66	8.52	5.74	1.87	1.53	11.95	13.07
42.4	202.17	31.09	15.60	16.08	6.03	3.09	13.49	14.04	2.27	1.47	15.32	12.00
42.5	258.15	28.55	15.85	18.24	5.98	8.69	15.17	20.76	8.48	5.70	16.94	19.86
42.6	288.70	89.70	17.03	18.25	12.22	14.87	15.20	14.92	12.40	12.23	16.24	16.72

42.7	184.22	100.89	16.26	19.45	28.86	15.37	15.38	16.36	11.45	15.47	15.61	16.56
42.8	173.97	6.82	10.25	9.94	30.48	28.69	14.22	14.53	1.81	2.47	23.31	11.97
42.9	193.71	0.00	9.64	0.00	23.37	36.16	11.34	11.00	0.52	0.42	12.39	8.54
43	219.46	0.00	8.00	0.00	27.72	35.41	11.19	11.16	0.00	0.55	0.00	3.26
43.1	176.29	0.00	6.39	0.00	39.58	39.98	13.85	13.21	0.00	0.00	0.00	0.00
43.2	172.52	0.00	7.49	0.00	43.29	44.86	16.84	16.39	1.16	0.00	5.55	0.00
43.3	150.36	1.11	8.31	10.64	57.58	55.96	13.31	12.86	0.99	0.08	5.59	3.97
43.4	14.34	87.99	4.30	8.90	56.99	38.54	18.36	17.29	0.00	0.00	0.00	0.00
43.5	66.54	79.14	17.34	10.99	48.62	43.69	13.49	13.54	0.00	0.00	0.00	0.00
43.6	213.73	5.20	8.10	6.91	28.10	39.25	16.62	15.98	0.00	0.00	0.00	0.00
43.7	143.10	16.77	8.28	8.92	43.12	45.55	13.70	13.86	0.87	0.00	6.14	0.00
43.8	137.90	0.27	7.85	6.69	43.35	36.61	14.23	14.26	1.11	0.01	3.21	4.19
43.9	149.90	0.00	6.48	0.00	61.98	63.65	16.60	15.73	0.00	0.00	0.00	0.00
44	158.44	1.10	13.95	9.00	52.53	53.66	15.35	15.29	5.10	1.49	16.08	24.85
44.1	162.66	1.26	14.48	8.19	31.19	38.93	17.14	16.73	0.47	0.00	9.32	0.00
44.2	151.73	2.06	5.92	13.19	45.57	56.32	15.10	14.72	2.44	0.00	17.77	0.00
44.3	177.53	0.49	7.24	6.99	80.13	79.86	16.16	15.67	1.00	0.00	19.26	0.00
44.4	167.18	0.00	6.66	0.00	62.97	64.95	12.92	12.57	0.37	0.00	6.36	0.00
44.5	142.47	0.00	6.29	0.00	47.17	48.89	13.26	12.69	0.38	0.00	11.41	0.00
44.6	99.93	0.00	5.48	0.00	21.57	25.59	14.65	13.37	0.83	0.00	4.67	0.00
44.7	139.08	0.00	5.96	0.00	24.29	40.21	19.39	19.47	0.00	0.00	0.00	0.00
44.8	136.67	0.24	6.10	2.91	32.92	42.57	18.45	17.22	0.00	0.00	0.00	0.00
44.9	80.10	6.66	5.71	7.06	21.74	31.48	14.23	13.56	0.00	0.00	0.00	0.00
45	36.28	75.90	3.21	10.30	26.03	24.07	11.45	11.43	0.06	0.77	5.81	13.47
45.1	82.54	35.12	11.46	10.19	33.09	31.43	18.06	17.13	1.11	0.00	4.14	0.00
45.2	128.80	10.81	6.50	6.64	26.62	27.40	12.81	13.15	0.91	0.09	5.00	8.01
45.3	130.90	1.45	6.70	8.74	29.53	30.71	11.54	11.14	2.26	2.03	14.19	9.98
45.4	159.10	0.13	14.80	5.09	32.45	37.35	13.54	13.28	0.60	1.68	10.98	10.98
45.5	71.97	24.74	7.79	7.72	39.78	46.34	15.43	14.90	1.50	0.09	19.08	10.69
45.6	84.72	47.33	7.58	36.40	64.02	58.72	15.47	14.54	1.12	1.10	13.39	15.74
45.7	107.30	27.63	16.26	9.28	60.12	60.06	14.50	14.39	3.69	0.92	14.19	8.58
45.8	197.44	0.00	16.02	0.00	54.52	55.12	13.52	12.87	0.89	0.00	18.56	0.00
45.9	199.06	2.66	16.78	12.13	27.74	29.28	13.72	13.43	14.22	13.43	21.51	20.17
46	51.66	4.67	8.86	14.57	8.61	10.39	16.07	14.72	30.44	25.85	22.61	21.73
46.1	166.66	1.00	18.61	17.77	59.59	55.43	15.92	15.21	1.95	0.09	14.88	8.73
46.2	215.53	21.99	15.45	23.17	59.36	59.62	14.42	14.24	2.09	0.94	26.39	28.95
46.3	203.40	0.09	10.83	10.24	46.21	45.50	13.32	13.17	0.36	0.00	3.56	0.00
46.4	134.44	2.17	6.59	16.51	44.49	51.11	14.76	13.89	0.00	0.00	0.00	0.00
46.5	154.90	0.00	6.59	0.00	50.77	52.33	15.87	15.26	0.00	0.00	0.00	0.00
46.6	133.17	0.00	6.94	0.00	62.13	64.21	13.42	13.80	1.13	0.93	8.76	6.13
46.7	168.81	0.00	12.73	0.00	50.26	52.05	12.10	11.55	0.00	0.00	0.00	0.00
46.8	155.57	1.37	6.66	14.91	27.07	42.63	12.67	12.04	0.43	0.00	7.94	0.00
46.9	123.57	0.98	6.85	5.27	30.83	47.96	14.73	14.25	1.67	0.06	4.51	7.40

47	149.54	0.00	7.08	0.00	44.87	47.31	14.09	13.71	1.44	0.28	3.70	4.32
47.1	130.30	0.00	11.00	0.00	39.91	47.90	17.73	17.04	1.40	0.00	5.99	0.00
47.2	165.17	0.00	6.14	0.00	34.91	44.56	15.22	15.10	0.39	0.00	3.33	0.00
47.3	146.57	0.00	9.92	0.00	27.53	41.93	12.30	11.88	0.60	0.45	6.94	10.41
47.4	147.96	0.00	6.74	0.00	27.76	44.79	19.12	19.24	0.00	0.00	0.00	0.00
47.5	170.95	0.00	6.40	0.00	32.89	41.39	14.18	13.59	0.40	0.00	2.96	0.00
47.6	172.47	3.12	11.06	26.10	59.96	62.55	12.79	12.72	1.20	0.00	4.50	0.00
47.7	142.81	0.00	7.44	0.00	31.84	46.15	14.66	14.27	1.30	0.00	11.15	0.00
47.8	151.96	0.00	6.98	0.00	45.77	51.10	16.94	16.66	0.40	0.00	5.57	0.00
47.9	165.68	0.00	7.11	0.00	46.93	60.50	14.19	13.92	1.15	0.00	7.17	0.00
48	126.64	0.00	6.88	0.00	29.63	48.80	13.45	12.87	1.55	1.04	17.33	13.06
48.1	137.59	0.46	10.16	4.29	41.42	50.98	14.18	13.90	0.00	0.00	0.00	0.00
48.2	161.42	0.03	7.38	2.23	45.99	54.10	16.80	16.42	0.00	0.00	0.00	0.00
48.3	168.22	0.00	9.11	0.00	35.02	47.63	14.64	13.82	0.00	0.00	0.00	0.00
48.4	120.41	6.65	7.29	10.19	32.57	38.49	11.61	11.58	1.07	0.00	10.19	0.00
48.5	163.60	0.00	7.00	0.00	36.52	46.48	13.86	12.96	0.92	0.00	5.35	0.00
48.6	158.26	0.50	14.31	9.95	26.14	32.88	10.67	9.74	0.91	0.43	10.89	6.91
48.7	158.10	0.00	6.83	0.00	38.98	38.02	14.63	13.56	0.83	0.00	7.15	0.00
48.8	155.34	0.71	7.51	7.10	26.94	37.41	14.10	13.44	0.61	0.00	4.65	0.00
48.9	142.11	2.32	9.91	12.31	59.20	62.59	14.62	14.26	1.36	0.00	7.55	0.00
49	182.15	0.00	8.63	0.00	50.11	51.76	14.96	14.09	0.00	0.00	0.00	0.00
49.1	106.08	4.31	18.37	13.36	40.10	40.48	11.85	11.54	0.00	0.00	0.00	0.00
49.2	109.75	0.00	7.17	0.00	38.67	38.68	11.94	11.46	0.00	0.00	0.00	0.00
49.3	113.37	1.40	17.44	18.72	26.57	38.75	11.51	10.90	0.00	0.00	0.00	0.00
49.4	130.00	0.00	11.56	0.00	37.58	39.29	13.64	13.48	0.54	0.00	2.35	0.00
49.5	110.95	33.79	17.11	22.67	20.42	15.84	13.42	13.71	4.36	3.31	16.90	18.21
49.6	190.50	78.07	16.94	18.63	22.75	0.38	14.55	4.91	3.26	0.00	12.21	0.00
49.7	125.60	74.85	13.28	14.97	6.42	0.34	12.59	5.59	1.85	2.21	9.31	17.10
49.8	129.93	61.17	14.17	18.26	1.65	0.00	15.77	0.00	1.13	2.47	7.53	18.97
49.9	129.82	80.67	11.36	14.23	0.79	0.00	6.40	0.00	0.00	2.95	0.00	6.74
50	85.05	84.08	12.20	16.13	4.70	0.00	7.52	0.00	1.98	4.62	19.41	18.96
50.1	103.85	52.78	12.85	10.56	3.09	0.42	9.05	7.10	1.36	1.97	10.04	11.63
50.2	142.45	24.94	14.35	7.68	0.51	0.42	6.99	6.42	0.15	0.93	3.36	10.13
50.3	109.58	62.74	9.51	15.34	2.65	0.80	4.62	8.02	2.78	3.24	6.76	10.42
50.4	102.50	10.70	11.39	9.14	0.91	0.36	6.45	6.80	0.56	0.00	7.93	0.00
50.5	129.09	2.77	13.84	12.02	0.24	1.13	9.55	7.38	0.12	2.05	14.14	21.21
50.6	143.86	5.63	12.92	13.08	0.96	0.41	12.06	7.09	0.95	1.01	16.95	17.87
50.7	124.98	5.00	13.12	11.81	1.31	1.95	14.57	17.78	1.69	1.05	6.69	12.96
50.8	94.67	36.19	9.32	9.43	0.95	0.00	3.76	0.00	1.33	0.22	4.53	11.04
50.9	72.39	4.49	13.35	11.17	1.45	0.32	20.31	8.47	0.94	0.56	9.46	17.33
51	87.38	3.45	11.38	7.21	0.10	0.27	3.85	5.78	0.00	0.00	0.00	0.00
51.1	95.58	1.97	9.92	4.70	0.13	0.38	7.98	11.97	0.07	0.94	1.98	3.94
51.2	82.99	26.66	16.84	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

51.3	60.48	1.65	13.07	6.71	0.00	0.00	0.00	0.00	0.66	0.36	2.69	4.33
51.4	101.30	18.61	9.96	17.75	0.14	0.80	16.59	24.89	0.20	0.91	1.98	3.50
51.5	108.75	4.94	11.06	14.70	0.00	0.00	0.00	0.00	0.08	0.45	4.57	6.85
51.6	146.47	55.10	14.80	13.43	0.08	0.42	3.19	4.78	2.13	0.07	3.35	3.52
51.7	146.00	93.23	13.33	17.85	0.46	0.00	5.90	0.00	0.00	0.00	0.00	0.00
51.8	123.60	0.94	11.29	9.95	0.48	0.00	3.00	0.00	0.00	0.00	0.00	0.00
51.9	141.70	13.43	11.77	13.76	0.00	0.00	0.00	0.00	1.11	0.45	8.77	5.19
52	121.16	19.36	12.36	13.27	0.94	0.00	5.81	0.00	0.54	0.00	7.36	0.00
52.1	82.39	51.91	13.78	14.19	1.37	0.00	5.86	0.00	0.96	0.00	8.30	0.00
52.2	89.37	21.27	14.52	12.19	0.50	0.00	4.70	0.00	0.95	1.05	3.50	5.89
52.3	129.65	22.61	12.73	11.64	0.49	0.00	2.78	0.00	0.43	0.50	6.81	5.10
52.4	72.46	90.30	13.59	13.67	23.88	17.65	15.60	15.84	1.61	0.00	5.45	0.00
52.5	80.57	73.47	11.14	14.48	0.08	0.38	8.01	12.02	0.09	0.46	9.66	14.48
52.6	19.78	45.56	7.06	10.12	1.31	0.00	7.78	0.00	0.73	0.30	3.75	5.62
52.7	79.35	0.48	11.41	7.47	0.00	0.00	0.00	0.00	0.41	0.00	13.94	0.00
52.8	116.95	9.83	14.52	13.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.9	59.93	3.59	13.36	15.57	0.00	0.00	0.00	0.00	0.58	0.38	5.07	7.60
53	81.03	7.64	13.84	12.46	0.00	0.00	0.00	0.00	0.99	1.04	4.77	7.48
53.1	88.22	16.94	14.32	9.81	0.35	0.00	5.96	0.00	0.55	0.00	6.18	0.00
53.2	104.35	50.78	9.61	8.94	0.91	0.00	14.45	0.00	0.00	0.00	0.00	0.00
53.3	43.80	2.44	12.37	8.48	0.00	0.00	0.00	0.00	0.00	0.44	0.00	8.79
53.4	40.99	5.13	7.45	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.5	59.63	5.98	12.08	10.76	0.49	0.00	6.26	0.00	0.40	0.00	3.35	0.00
53.6	81.42	11.06	12.69	11.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.7	107.39	4.04	10.02	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	95.28	7.60	12.24	9.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.9	70.34	14.71	12.97	8.78	0.48	0.00	4.31	0.00	0.63	0.40	10.49	6.09
54	61.07	73.67	8.14	8.16	0.35	0.00	4.99	0.00	0.00	0.00	0.00	0.00
54.1	60.70	6.68	11.88	13.64	0.44	0.42	3.61	3.62	0.36	0.00	3.39	0.00
54.2	110.06	0.18	13.64	2.55	0.00	0.00	0.00	0.00	0.89	0.00	9.70	0.00
54.3	100.72	0.53	10.92	11.40	0.46	0.00	3.63	0.00	0.44	0.00	3.00	0.00
54.4	43.94	0.30	12.59	12.14	0.37	0.00	4.63	0.00	0.97	0.39	10.34	5.19
54.5	46.57	1.77	12.65	17.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.6	62.67	0.05	11.13	3.41	0.00	0.00	0.00	0.00	1.04	0.00	3.27	0.00
54.7	86.47	1.59	14.33	13.15	0.19	0.70	8.58	6.43	0.58	0.38	10.46	7.85
54.8	102.20	4.70	14.45	18.97	0.57	0.41	6.14	4.97	3.38	0.66	6.71	8.06
54.9	232.08	49.35	16.99	18.91	22.48	2.35	16.70	15.47	21.83	10.57	20.64	18.71
55	256.63	89.47	17.59	18.53	19.27	1.60	17.47	12.83	7.76	5.86	20.99	17.71
55.1	241.82	44.39	16.73	20.28	5.36	0.38	11.06	5.71	7.85	3.61	18.29	19.87
55.2	226.74	149.45	17.16	20.36	7.10	2.10	16.34	13.56	8.87	3.68	20.42	22.06
55.3	178.35	85.82	17.54	18.83	7.04	0.76	8.47	6.98	8.61	4.17	20.46	21.38
55.4	163.56	75.15	18.71	18.66	7.90	1.63	15.96	15.57	6.61	1.34	16.46	11.13
55.5	204.07	62.39	15.39	19.90	8.51	1.80	13.75	15.40	17.05	7.05	16.89	16.72

55.6	248.11	23.07	15.79	20.61	0.95	1.16	11.78	10.50	5.46	5.52	15.39	19.76
55.7	280.23	17.09	15.88	16.54	7.17	1.98	17.35	12.80	6.66	3.77	16.18	7.94
55.8	257.70	53.90	15.16	16.17	13.81	5.84	13.57	16.99	13.19	5.83	16.63	16.86
55.9	178.86	46.41	15.45	21.61	37.57	23.32	15.22	15.54	10.08	6.92	16.10	18.01
56	214.19	48.33	14.28	16.77	3.74	1.12	8.62	11.41	9.89	5.56	17.76	21.70
56.1	198.14	80.92	15.75	20.24	1.71	2.72	10.79	17.61	3.16	5.26	8.84	17.71
56.2	232.38	40.36	15.12	18.70	1.61	1.81	14.65	7.73	6.80	4.77	8.82	12.71
56.3	289.34	26.37	14.13	17.72	7.31	1.08	18.47	18.61	7.25	2.88	18.34	21.38
56.4	269.73	45.77	14.55	18.85	4.77	1.32	10.95	15.79	8.27	8.81	23.94	25.98
56.5	325.43	9.01	15.00	18.44	5.65	1.07	10.62	12.37	2.70	2.66	13.01	15.40
56.6	180.68	48.77	15.21	17.19	24.63	15.94	15.26	15.78	6.67	3.37	18.68	15.35
56.7	3.86	2.53	5.33	8.00	37.53	28.71	11.52	11.67	0.00	0.00	0.00	0.00
56.8	16.51	4.11	6.19	8.81	7.94	3.80	18.66	18.98	0.49	0.00	3.70	0.00
56.9	111.07	0.46	5.77	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	126.85	0.00	6.07	0.00	0.43	0.00	4.06	0.00	0.00	0.00	0.00	0.00
57.1	116.51	0.52	7.26	4.52	0.56	0.40	7.45	7.45	0.00	0.00	0.00	0.00
57.2	228.50	27.38	16.20	19.52	7.13	1.85	13.38	10.69	3.84	4.37	16.66	16.59
57.3	287.65	26.01	16.26	20.72	12.93	2.23	12.93	11.00	9.47	7.41	13.58	22.70
57.4	240.70	37.88	17.63	18.77	17.09	0.75	15.96	5.52	9.42	3.37	16.80	22.29
57.5	293.95	43.50	16.25	21.24	7.09	2.30	10.72	15.70	6.08	7.69	17.87	23.14
57.6	229.95	63.76	16.38	17.92	8.81	1.22	13.88	13.74	4.53	3.37	23.82	14.22
57.7	178.72	87.21	16.22	18.34	4.68	0.35	19.21	9.34	5.53	0.35	12.54	6.58
57.8	197.21	36.58	16.49	18.33	2.72	0.32	19.11	5.50	9.04	2.64	16.42	21.84
57.9	173.73	38.70	15.83	18.43	7.08	1.51	18.45	21.60	8.60	3.95	16.30	17.48
58	202.43	35.12	15.51	19.68	2.13	1.76	13.61	13.99	5.24	4.12	9.87	15.06
58.1	173.92	10.99	15.01	19.87	2.67	1.19	18.95	16.53	8.47	2.00	14.04	14.94
58.2	140.26	15.84	14.16	18.99	1.07	2.26	18.09	20.23	4.31	4.54	17.00	15.60
58.3	207.68	29.79	13.75	15.18	1.75	0.00	5.93	0.00	3.49	2.50	16.74	19.32
58.4	182.26	26.95	13.45	15.77	0.07	0.43	6.29	9.43	1.99	0.61	13.59	21.28
58.5	179.11	5.45	13.86	9.22	1.60	4.45	15.76	15.89	2.90	4.01	12.85	10.07
58.6	157.49	9.71	12.40	14.68	0.37	0.00	3.61	0.00	2.05	4.28	10.29	7.60
58.7	166.64	21.88	12.68	7.04	0.48	0.00	4.14	0.00	0.58	0.35	8.83	14.76
58.8	224.53	4.26	12.31	6.09	0.00	0.00	0.00	0.00	0.26	1.09	4.12	6.18
58.9	259.49	0.96	12.24	7.32	0.15	0.82	11.36	17.05	0.20	0.73	4.77	7.22
59	256.17	0.71	13.97	5.52	0.97	0.78	12.37	5.02	1.03	3.13	7.95	5.96
59.1	255.71	5.72	15.13	20.45	0.15	1.06	7.02	10.08	1.78	1.29	9.27	11.64
59.2	186.03	7.82	15.31	19.33	0.55	0.76	3.21	7.51	1.96	2.12	16.48	11.83
59.3	137.52	59.63	11.50	18.70	1.04	0.36	11.18	5.20	3.15	2.28	12.11	15.56
59.4	161.52	15.21	13.26	15.12	1.34	0.40	9.49	11.58	2.15	0.59	10.68	8.35
59.5	150.78	29.04	12.94	16.64	1.50	2.05	12.53	8.94	2.94	4.05	12.03	8.54
59.6	198.65	3.38	13.04	10.65	1.84	1.00	16.53	8.85	0.58	0.42	12.92	5.27
59.7	196.04	15.33	14.64	13.84	1.24	1.10	17.18	7.64	2.81	2.49	16.64	16.79
59.8	159.97	7.18	14.08	21.46	2.04	0.00	9.88	0.00	1.46	0.06	8.98	8.37

59.9	185.18	7.60	14.24	16.81	2.67	3.68	14.89	10.71	3.09	3.86	18.78	10.51
60	159.37	17.44	13.18	17.01	2.98	4.90	13.07	13.00	4.02	3.73	18.78	8.55
60.1	168.30	48.67	15.11	18.89	6.27	5.39	14.40	16.27	7.69	19.05	17.27	18.27
60.2	181.10	34.72	13.90	18.63	3.80	2.14	10.61	14.17	2.84	4.40	10.40	16.44
60.3	180.89	31.61	13.19	20.80	1.18	1.20	17.52	17.36	2.94	5.02	10.01	14.03
60.4	117.08	116.07	15.48	19.24	1.63	1.08	10.80	17.64	4.60	13.97	8.23	19.43
60.5	251.24	70.61	14.50	19.14	5.66	7.47	14.88	15.74	15.10	19.32	18.35	18.55
60.6	177.79	54.84	16.01	16.50	5.23	5.82	16.93	17.40	9.17	6.47	18.22	19.52
60.7	220.70	55.90	15.54	21.03	4.85	6.55	17.65	17.39	9.53	16.27	22.47	20.43
60.8	193.24	61.60	15.51	19.37	3.95	3.01	20.22	21.38	7.18	8.82	19.17	20.03
60.9	210.48	47.73	14.64	16.67	5.29	2.48	17.26	8.06	7.44	8.28	18.88	17.45
61	229.96	37.10	15.69	22.19	2.94	3.13	17.11	17.75	7.72	7.60	13.42	19.19
61.1	176.50	76.58	15.90	18.75	6.22	5.04	15.85	17.09	7.55	12.28	19.42	19.21
61.2	181.79	150.39	15.86	14.63	5.06	1.26	15.27	7.58	3.17	2.84	7.85	12.47
61.3	207.14	143.70	16.14	17.31	5.67	0.44	17.45	5.41	9.19	11.23	14.00	17.32
61.4	206.90	82.95	15.74	19.56	4.10	0.00	12.21	0.00	3.35	2.06	16.70	19.54
61.5	182.42	57.07	14.88	17.66	1.05	0.37	6.86	4.94	3.49	2.19	20.40	6.09
61.6	158.42	19.68	15.72	18.17	3.54	0.66	11.94	26.49	3.11	0.98	20.46	23.28
61.7	214.91	23.17	15.42	15.21	2.05	1.06	11.23	5.93	6.39	3.23	14.39	17.43
61.8	114.72	24.58	14.02	16.03	20.22	15.98	17.23	16.67	2.88	2.98	19.77	13.70
61.9	234.12	33.91	16.00	19.40	14.35	1.10	10.60	14.67	10.60	5.97	15.75	18.91
62	120.77	26.32	11.95	19.17	0.42	0.00	3.97	0.00	2.95	2.38	14.70	22.29
62.1	129.69	15.89	14.64	19.53	1.09	1.12	17.36	9.55	2.88	1.49	11.38	13.14
62.2	80.83	14.37	12.73	18.17	0.12	0.65	19.76	14.82	1.57	4.26	21.30	21.02
62.3	117.48	5.87	11.72	14.68	0.00	0.00	0.00	0.00	0.76	0.00	9.69	0.00
62.4	152.36	7.68	12.30	13.43	1.63	0.40	6.33	7.21	0.09	0.34	6.24	9.36
62.5	100.65	13.99	14.24	15.50	4.29	3.13	7.09	5.75	11.99	13.41	13.61	13.52
62.6	89.52	0.02	10.10	7.34	62.71	43.78	12.76	12.58	14.37	16.53	15.06	15.51
62.7	213.98	0.00	7.72	0.00	97.59	72.52	12.13	12.03	0.51	0.00	4.62	0.00
62.8	265.08	0.00	9.08	0.00	125.47	101.27	9.52	9.58	0.00	0.00	0.00	0.00
62.9	232.16	0.00	9.03	0.00	87.53	61.29	11.54	11.52	0.04	0.47	1.70	2.56
63	177.35	0.00	9.52	0.00	111.41	85.07	11.11	11.13	0.67	0.00	3.46	0.00
63.1	180.37	0.00	7.47	0.00	81.83	54.43	14.68	14.73	2.20	0.00	2.51	0.00
63.2	80.79	1.93	8.83	10.66	68.85	48.95	11.76	11.91	2.43	0.94	14.72	12.22
63.3	109.72	36.22	10.91	13.59	79.16	52.56	14.25	14.36	0.28	1.18	13.09	21.16
63.4	140.77	25.55	7.96	6.52	100.03	77.89	11.23	11.16	3.30	0.65	5.25	8.57
63.5	141.41	0.45	6.69	6.86	96.33	72.13	12.53	12.53	1.09	0.00	3.57	0.00
63.6	148.42	1.11	8.14	6.70	100.62	77.50	11.02	10.98	1.66	0.10	6.10	13.00
63.7	136.40	0.25	9.28	8.42	102.42	80.43	10.04	9.99	0.00	0.00	0.00	0.00
63.8	219.29	0.00	7.60	0.00	99.38	76.79	11.56	11.38	1.63	0.00	6.66	0.00
63.9	153.18	0.00	6.81	0.00	93.14	70.47	11.60	11.50	0.00	0.00	0.00	0.00
64	117.99	1.95	7.90	7.48	104.52	87.34	10.42	10.26	0.57	0.46	3.02	1.85
64.1	142.13	2.91	9.17	8.71	109.58	85.63	12.22	12.29	1.68	0.00	4.02	0.00

64.2	123.30	0.85	8.51	6.91	84.01	57.31	13.70	13.48	0.44	0.11	4.43	6.65
64.3	209.91	0.00	7.04	0.00	104.22	82.36	11.21	11.03	2.09	0.00	6.24	0.00
64.4	164.11	0.24	7.45	7.08	102.22	79.58	11.67	11.52	0.01	0.36	2.13	3.20
64.5	69.03	3.45	4.54	7.79	100.25	76.72	12.50	12.30	0.89	1.64	5.03	6.60
64.6	198.91	0.78	8.83	6.94	115.15	96.16	8.90	8.76	1.50	0.00	4.47	0.00
64.7	176.34	1.69	12.79	6.01	105.68	83.73	11.41	11.44	2.80	0.91	4.36	7.78
64.8	161.94	34.30	5.00	6.00	86.16	60.96	13.70	13.69	1.06	1.17	4.37	6.55
64.9	165.09	3.57	9.02	6.15	82.46	56.39	12.90	12.89	0.00	0.00	0.00	0.00
65	151.81	0.00	6.82	0.00	80.96	54.50	14.48	14.38	0.00	0.00	0.00	0.00
65.1	161.72	0.00	6.18	0.00	112.95	90.92	10.51	10.38	0.08	0.44	2.43	3.64
65.2	151.58	0.00	6.69	0.00	105.05	81.73	12.02	12.04	0.38	0.00	3.30	0.00
65.3	175.56	0.00	7.14	0.00	102.25	77.85	10.78	10.67	0.00	0.00	0.00	0.00
65.4	222.21	0.00	7.68	0.00	94.64	70.41	11.90	11.78	2.05	0.48	6.05	8.10
65.5	191.98	0.00	7.22	0.00	97.40	74.34	11.98	11.92	0.00	0.00	0.00	0.00
65.6	184.25	0.00	7.81	0.00	112.24	90.56	10.45	10.37	0.93	0.09	4.87	7.30
65.7	142.75	0.73	8.40	7.46	85.63	60.60	14.86	14.89	2.32	0.22	4.95	8.04
65.8	193.34	0.00	8.48	0.00	81.29	54.87	15.69	15.68	0.00	0.00	0.00	0.00
65.9	153.16	16.22	9.02	7.16	83.52	56.79	13.81	13.89	0.00	0.00	0.00	0.00
66	182.10	0.00	6.86	0.00	95.25	72.16	13.48	13.41	0.00	0.00	0.00	0.00
66.1	196.24	0.00	7.30	0.00	101.95	78.28	10.85	10.79	3.52	0.92	4.10	11.42
66.2	181.21	0.00	7.22	0.00	120.01	97.93	11.40	11.40	0.52	0.00	2.98	0.00
66.3	164.29	0.00	7.62	0.00	126.91	106.73	10.26	10.31	1.23	0.00	3.63	0.00
66.4	198.08	0.51	10.24	7.53	124.82	107.06	10.10	9.97	2.24	0.16	5.19	9.81
66.5	134.56	11.47	5.63	11.16	90.37	64.76	12.14	12.19	0.14	0.23	4.61	6.92
66.6	144.63	0.00	5.63	0.00	96.36	70.03	12.09	12.17	0.00	0.00	0.00	0.00
66.7	146.51	1.19	14.70	5.37	101.84	77.88	10.31	10.10	0.00	0.00	0.00	0.00
66.8	122.45	8.20	8.49	17.54	100.75	84.69	12.80	12.70	0.00	0.00	0.00	0.00
66.9	143.57	10.31	8.56	8.53	120.73	105.06	11.28	11.07	0.00	0.00	0.00	0.00
67	149.60	87.72	6.52	8.69	120.30	99.01	11.47	11.42	0.00	0.00	0.00	0.00
67.1	160.80	28.06	9.70	10.30	89.50	64.00	12.92	13.04	1.09	0.00	2.84	0.00
67.2	139.13	14.00	9.07	10.81	77.28	53.36	12.78	12.86	0.18	0.27	7.77	11.65
67.3	140.26	2.24	8.60	9.87	76.97	53.38	12.06	12.12	1.00	0.00	3.48	0.00
67.4	113.77	25.78	10.37	12.04	107.76	89.21	12.50	12.47	0.00	0.00	0.00	0.00
67.5	145.35	7.84	8.30	8.98	82.95	64.81	12.65	12.62	0.00	0.00	0.00	0.00
67.6	138.05	11.36	8.62	12.01	95.81	79.66	13.80	13.75	0.00	0.00	0.00	0.00
67.7	124.59	11.19	8.03	9.23	89.48	76.88	12.86	12.77	0.49	0.00	2.64	0.00
67.8	148.24	0.39	7.32	8.39	79.47	57.87	12.10	12.18	0.00	0.00	0.00	0.00
67.9	131.15	1.30	8.15	9.47	74.34	51.74	11.61	11.71	0.00	0.00	0.00	0.00
68	130.62	0.00	6.66	0.00	100.31	80.47	10.89	10.93	0.56	0.00	2.92	0.00
68.1	158.69	0.90	7.24	12.88	107.04	83.64	11.10	11.08	0.47	0.00	3.96	0.00
68.2	181.36	32.67	8.33	11.54	108.90	90.11	11.00	10.90	0.53	0.00	0.83	0.00
68.3	183.02	33.65	6.69	10.24	96.63	74.05	10.70	10.60	0.00	0.00	0.00	0.00
68.4	46.75	2.40	7.32	35.99	54.80	38.65	12.68	12.51	0.00	0.00	0.00	0.00

68.5	133.71	0.00	6.23	0.00	79.30	54.83	12.67	12.73	0.00	0.00	0.00	0.00
68.6	139.64	18.08	7.62	8.77	75.70	56.16	12.03	12.02	0.00	0.00	0.00	0.00
68.7	141.99	0.00	2.90	0.00	101.87	80.50	12.31	12.28	0.00	0.00	0.00	0.00
68.8	162.32	1.57	8.71	8.66	108.57	90.18	12.73	12.72	0.00	0.00	0.00	0.00
68.9	159.43	3.49	8.56	10.22	88.91	76.66	12.87	12.67	0.00	0.00	0.00	0.00
69	155.35	16.16	7.20	8.91	82.31	56.77	12.45	12.47	0.00	0.00	0.00	0.00
69.1	85.82	12.47	7.01	7.62	88.45	65.61	12.64	12.61	1.38	0.30	3.62	5.44
69.2	99.68	30.57	7.02	9.07	96.07	77.01	12.74	12.75	0.53	0.00	3.99	0.00
69.3	137.16	0.00	6.96	0.00	100.34	80.11	12.09	11.95	0.00	0.00	0.00	0.00
69.4	215.37	0.02	8.71	10.43	90.08	72.03	13.91	13.84	0.00	0.00	0.00	0.00
69.5	132.63	63.78	8.57	9.92	74.68	57.90	13.15	12.61	0.50	0.34	5.11	9.34
69.6	221.21	5.16	8.02	8.91	64.42	51.02	11.34	11.38	0.00	0.00	0.00	0.00
69.7	149.11	2.03	7.25	8.97	77.38	54.81	11.52	11.56	0.47	0.00	1.64	0.00
69.8	101.51	7.49	7.76	9.13	79.29	54.01	11.62	11.66	0.00	0.00	0.00	0.00
69.9	139.07	0.00	2.80	0.00	82.20	55.57	12.30	12.38	0.00	0.00	0.00	0.00
70	115.74	0.00	10.56	0.00	72.29	52.16	13.64	13.64	1.24	0.30	15.34	10.66
70.1	97.14	0.00	9.68	0.00	78.58	61.48	12.84	12.85	0.00	0.00	0.00	0.00
70.2	129.34	0.37	7.48	11.36	91.52	71.72	12.85	12.71	1.96	0.00	3.51	0.00
70.3	121.11	10.82	9.78	10.16	96.10	78.99	12.84	12.72	0.00	0.00	0.00	0.00
70.4	140.94	3.55	8.35	9.97	89.29	70.16	12.13	12.13	0.00	0.00	0.00	0.00
70.5	129.99	15.05	8.39	10.07	99.60	75.41	13.11	13.12	0.00	0.00	0.00	0.00
70.6	142.89	0.07	7.22	6.76	96.55	74.43	13.02	13.05	0.00	0.00	0.00	0.00
70.7	151.51	0.22	7.63	12.03	103.00	81.41	12.65	12.61	0.00	0.00	0.00	0.00
70.8	141.98	4.39	8.79	11.60	99.10	75.19	11.53	11.51	1.64	0.00	4.00	0.00
70.9	81.19	21.25	6.81	11.13	91.44	68.23	12.86	12.81	1.89	0.14	10.42	6.28
71	133.62	20.67	5.03	7.45	102.01	81.39	13.84	13.82	0.00	0.00	0.00	0.00
71.1	101.24	9.09	8.96	9.78	90.34	65.29	13.33	13.35	0.00	0.00	0.00	0.00
71.2	147.42	0.00	6.38	0.00	115.71	99.51	12.62	12.49	0.00	0.00	0.00	0.00
71.3	142.81	0.00	6.41	0.00	92.74	71.41	12.31	12.32	1.04	0.00	3.06	0.00
71.4	139.37	0.00	7.32	0.00	94.83	69.82	10.95	10.92	0.00	0.00	0.00	0.00
71.5	129.32	11.81	8.18	8.27	103.46	80.07	11.75	11.68	0.48	0.00	5.88	0.00
71.6	116.50	10.74	9.08	8.79	101.65	76.39	13.60	13.62	0.56	0.00	5.97	0.00
71.7	122.47	6.29	8.15	9.43	92.30	67.88	11.37	11.49	0.21	0.23	4.93	7.39
71.8	166.18	46.43	7.43	9.71	87.63	64.06	12.83	12.82	0.00	0.00	0.00	0.00
71.9	176.52	16.86	6.16	10.30	95.04	72.12	12.19	12.17	0.00	0.00	0.00	0.00
72	146.14	0.00	7.16	0.00	112.23	90.56	12.70	12.69	0.00	0.00	0.00	0.00
72.1	147.02	0.00	6.69	0.00	102.81	76.58	12.00	11.94	0.00	0.00	0.00	0.00
72.2	148.25	0.00	5.60	0.00	81.13	54.40	11.88	11.93	0.57	0.00	3.00	0.00
72.3	137.79	0.00	7.63	0.00	93.02	69.78	12.67	12.68	0.00	0.00	0.00	0.00
72.4	32.97	0.50	6.11	6.29	96.89	73.51	13.28	13.26	0.00	0.00	0.00	0.00
72.5	138.70	0.00	6.06	0.00	100.13	77.50	12.53	12.48	0.56	0.00	4.71	0.00
72.6	132.69	0.00	5.76	0.00	104.19	77.88	11.80	11.80	0.68	0.44	2.77	2.71
72.7	132.29	0.00	5.49	0.00	83.93	61.71	12.52	12.59	0.00	0.00	0.00	0.00

72.8	145.07	0.00	5.57	0.00	106.17	84.41	12.69	12.61	0.00	0.00	0.00	0.00
72.9	228.33	18.05	13.73	9.84	27.10	18.46	15.26	14.15	0.00	0.00	0.00	0.00
73	218.62	61.38	14.76	10.11	0.82	0.00	5.58	0.00	0.13	0.42	7.30	10.95
73.1	182.41	56.31	15.64	17.38	4.81	0.37	17.81	11.35	1.48	1.89	5.56	7.25
73.2	155.82	23.66	14.60	10.88	0.08	0.31	4.11	6.16	1.07	1.06	4.13	8.07
73.3	44.62	79.54	8.84	9.06	0.00	0.00	0.00	0.00	2.08	6.20	9.78	9.68
73.4	103.56	39.54	13.09	10.92	0.00	0.00	0.00	0.00	1.35	0.31	3.63	5.44
73.5	105.00	6.89	11.49	4.87	0.15	0.81	23.18	34.77	1.09	0.51	10.72	11.65
73.6	86.41	41.86	10.62	10.91	0.00	0.00	0.00	0.00	0.99	0.00	3.63	0.00
73.7	131.50	1.44	11.37	7.03	0.12	0.31	4.94	7.41	0.04	1.10	8.75	13.12
73.8	100.99	36.41	13.75	8.66	0.33	1.52	12.27	8.55	0.87	0.89	5.64	8.96
73.9	127.77	11.63	12.29	8.26	0.60	1.21	25.86	13.21	0.70	0.96	7.60	11.40
74	231.75	11.54	13.20	17.42	1.78	3.91	23.62	22.71	3.38	0.45	8.94	9.25
74.1	92.32	68.44	10.81	12.73	0.05	0.39	5.25	7.88	0.17	1.52	13.69	10.14
74.2	79.80	52.67	7.98	15.99	0.37	0.00	5.01	0.00	0.91	0.58	15.31	11.86
74.3	115.63	13.69	11.05	9.35	0.49	0.31	3.89	8.30	0.47	0.00	2.20	0.00
74.4	30.21	84.90	10.21	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.5	114.20	137.36	12.11	11.48	0.58	0.83	16.78	19.26	2.25	0.12	4.34	6.61
74.6	78.02	54.89	10.86	5.83	0.00	0.00	0.00	0.00	0.00	0.55	0.00	13.59
74.7	69.04	86.27	10.29	6.28	0.08	0.39	3.96	5.95	0.00	0.00	0.00	0.00
74.8	48.53	98.44	9.20	6.23	0.08	0.38	5.82	8.73	0.94	0.54	10.59	8.65
74.9	84.41	90.74	10.84	16.15	0.00	0.00	0.00	0.00	1.41	0.26	5.55	8.32
75	96.97	78.19	11.10	14.10	0.47	0.00	2.53	0.00	0.00	0.00	0.00	0.00
75.1	42.63	75.92	7.97	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.2	56.13	71.52	10.48	7.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.3	91.49	22.88	13.25	7.61	0.36	0.00	5.52	0.00	0.52	0.00	6.57	0.00
75.4	151.49	4.18	12.40	11.10	0.00	0.00	0.00	0.00	1.12	0.00	3.29	0.00
75.5	82.05	32.23	11.51	15.07	0.20	0.75	7.75	11.63	0.34	0.62	2.46	7.68
75.6	122.89	19.07	11.61	14.05	0.05	0.42	4.84	7.26	0.20	0.31	6.91	10.37
75.7	209.23	2.67	12.49	4.14	0.00	0.00	0.00	0.00	2.48	0.18	6.50	9.54
75.8	177.75	7.47	13.79	18.61	0.08	0.82	4.18	6.19	1.08	0.00	5.74	0.00
75.9	201.26	10.67	11.64	15.20	0.11	0.32	2.59	3.89	0.08	0.45	6.15	9.22
76	181.05	33.25	11.87	13.88	0.36	1.56	18.00	16.20	0.00	0.00	0.00	0.00
76.1	167.94	6.89	12.46	12.90	0.87	0.00	1.20	0.00	0.00	0.00	0.00	0.00
76.2	59.63	49.06	13.24	13.02	10.72	1.54	18.21	12.33	0.00	1.64	0.00	11.24
76.3	122.27	6.23	14.22	24.73	9.43	0.00	1.62	0.00	0.00	0.00	0.00	0.00
76.4	164.61	0.23	14.80	5.72	2.29	0.00	1.35	0.00	0.00	0.00	0.00	0.00
76.5	176.23	0.63	15.01	6.11	0.48	0.00	1.03	0.00	0.00	0.00	0.00	0.00
76.6	164.11	10.58	14.89	11.48	0.00	0.00	0.00	0.00	0.85	0.28	5.55	8.33
76.7	187.63	9.31	12.92	6.98	0.07	0.36	4.36	6.54	0.00	0.00	0.00	0.00
76.8	187.70	17.47	12.26	14.25	0.28	1.19	16.31	12.94	0.68	0.35	2.66	3.99
76.9	199.48	10.92	13.53	13.57	0.00	0.00	0.00	0.00	0.96	0.44	4.56	6.31
77	232.94	4.08	14.20	3.47	0.00	0.00	0.00	0.00	0.94	0.48	15.13	7.01

77.1	171.60	31.79	13.45	13.98	0.00	0.00	0.00	0.00	1.08	0.00	3.10	0.00
77.2	232.62	40.16	13.73	7.53	0.03	0.41	3.07	4.60	0.00	0.00	0.00	0.00
77.3	250.84	0.08	14.65	6.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.4	261.02	0.00	15.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	231.67	6.58	13.75	8.56	8.30	6.91	15.56	14.46	0.48	0.00	4.15	0.00
77.6	118.19	3.34	17.25	10.34	19.22	14.97	12.27	11.80	2.28	0.52	17.51	9.50
77.7	244.31	11.88	15.41	11.61	0.08	0.34	3.01	4.51	0.19	0.34	2.49	3.73
77.8	170.68	0.97	13.01	5.49	0.00	0.00	0.00	0.00	0.85	0.06	5.26	7.39
77.9	104.81	9.52	13.05	10.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	245.52	0.00	13.01	0.00	0.00	0.39	4.95	7.43	0.00	0.00	0.00	0.00
78.1	215.32	1.23	12.96	14.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.2	148.67	3.67	10.47	12.57	0.00	0.00	0.00	0.00	0.44	0.00	3.28	0.00
78.3	105.80	0.00	12.95	0.00	0.32	0.00	4.14	0.00	0.00	0.00	0.00	0.00
78.4	109.96	1.44	11.57	8.51	3.36	5.52	17.92	15.37	3.69	3.00	19.37	19.90
78.5	196.12	12.48	12.78	7.03	0.48	0.00	5.68	0.00	1.35	0.78	11.82	13.66
78.6	122.37	9.53	11.40	11.61	0.13	0.37	2.22	3.33	0.56	0.00	5.02	0.00
78.7	61.26	64.14	7.71	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.8	124.44	4.16	12.47	14.73	0.36	0.00	2.41	0.00	0.52	0.50	4.02	5.39
78.9	122.49	0.00	11.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	28.12	61.24	7.14	13.36	0.00	0.00	0.00	0.00	0.15	0.40	2.99	4.49
79.1	33.52	40.19	10.89	13.10	0.40	0.00	2.84	0.00	0.82	1.35	9.80	7.49
79.2	59.47	1.08	10.46	11.08	0.45	0.00	2.09	0.00	0.00	0.00	0.00	0.00
79.3	80.10	4.90	11.02	15.29	0.83	0.00	5.59	0.00	1.00	0.00	15.10	0.00
79.4	76.17	33.97	10.71	11.27	0.00	0.00	0.00	0.00	1.46	0.16	3.95	8.27
79.5	37.58	2.33	10.65	11.39	0.49	0.00	3.35	0.00	0.00	0.00	0.00	0.00
79.6	115.19	0.16	12.23	6.63	0.00	0.00	0.00	0.00	0.90	0.18	2.48	3.72
79.7	102.09	16.33	11.52	8.14	0.46	0.00	4.63	0.00	0.00	0.00	0.00	0.00
79.8	109.86	13.13	14.29	14.32	12.19	11.04	14.30	12.43	0.67	0.83	7.35	2.47
79.9	107.60	1.84	16.04	6.93	12.75	15.61	10.30	9.34	0.05	0.40	6.56	9.84
80	75.99	69.62	10.40	15.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.1	33.42	27.57	6.95	9.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.2	75.62	1.19	12.68	5.61	0.05	0.42	3.46	5.19	0.00	0.00	0.00	0.00
80.3	104.81	0.00	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.4	60.64	0.43	10.82	9.61	0.00	0.00	0.00	0.00	0.57	0.00	1.78	0.00
80.5	64.41	0.00	9.65	0.00	0.00	0.00	0.00	0.00	1.04	0.00	3.71	0.00
80.6	54.13	0.45	8.71	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.7	10.68	0.00	8.85	0.00	0.51	0.00	3.14	0.00	0.00	0.00	0.00	0.00
80.8	58.46	1.61	10.97	15.47	0.00	0.00	0.00	0.00	0.46	0.00	5.74	0.00
80.9	82.49	5.04	10.35	18.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	92.80	2.07	9.37	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.1	36.69	9.22	10.59	12.69	0.36	0.00	4.17	0.00	0.83	0.00	6.38	0.00
81.2	44.82	9.19	8.18	8.31	0.00	0.00	0.00	0.00	0.47	0.00	4.01	0.00
81.3	37.87	11.41	7.96	6.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

81.4	17.03	1.40	8.61	17.95	0.00	0.00	0.00	0.00	0.53	0.00	3.56	0.00
81.5	34.48	11.58	10.74	10.64	0.00	0.00	0.00	0.00	0.49	0.00	4.80	0.00
81.6	46.18	9.42	12.57	13.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.7	79.91	2.63	16.50	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.8	88.11	0.00	9.72	0.00	0.00	0.00	0.00	0.00	0.53	0.00	2.55	0.00
81.9	117.71	0.61	10.74	4.41	0.00	0.00	0.00	0.00	1.68	0.37	4.17	6.45
82	27.51	15.13	7.19	6.02	0.00	0.00	0.00	0.00	0.78	0.34	2.95	4.42
82.1	14.42	23.36	6.01	7.27	0.11	0.35	3.65	5.48	0.00	0.00	0.00	0.00
82.2	25.95	32.69	7.71	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.3	55.47	14.84	7.23	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.4	11.24	13.97	6.47	4.72	0.00	0.00	0.00	0.00	0.09	0.36	3.67	5.50
82.5	84.60	3.95	10.77	4.53	0.00	0.00	0.00	0.00	1.10	0.00	3.83	0.00
82.6	15.59	18.30	11.04	12.28	0.00	0.00	0.00	0.00	0.33	0.23	4.48	6.72
82.7	73.98	0.49	10.23	7.61	0.00	0.00	0.00	0.00	0.38	0.00	6.05	0.00
82.8	71.98	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.54	0.00	3.55	0.00
82.9	86.73	0.00	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	62.63	8.13	10.51	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.1	22.26	14.82	13.83	14.85	0.00	0.00	0.00	0.00	0.01	0.89	5.91	10.43
83.2	35.42	28.92	8.16	12.88	0.11	0.26	7.75	11.62	0.00	1.10	0.00	8.88
83.3	33.76	36.97	12.61	10.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.4	41.36	22.69	8.75	14.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.5	125.26	10.16	11.50	14.32	0.00	0.00	0.00	0.00	1.19	0.00	7.32	0.00
83.6	44.95	4.36	12.43	10.90	0.00	0.00	0.00	0.00	0.62	0.33	5.26	7.90
83.7	40.59	4.03	11.50	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.8	110.13	2.41	13.06	19.89	0.00	0.00	0.00	0.00	0.52	0.05	2.78	4.17
83.9	112.89	10.47	17.69	23.22	32.74	28.04	12.06	12.28	1.61	2.95	20.69	18.64
84	119.27	37.10	17.50	17.16	0.00	0.00	0.00	0.00	0.14	1.54	4.54	6.81
84.1	97.01	20.73	14.20	13.86	0.13	0.36	4.70	7.04	0.42	0.00	4.53	0.00
84.2	23.67	21.41	13.81	13.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.3	64.27	14.76	15.97	17.44	0.09	0.36	4.97	7.45	0.00	1.06	0.00	10.78
84.4	59.44	1.39	10.14	8.44	0.00	0.00	0.00	0.00	0.47	0.00	3.39	0.00
84.5	102.05	1.96	10.61	7.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.6	110.63	4.02	13.54	12.77	0.07	0.21	4.23	6.35	0.00	0.38	0.00	20.33
84.7	104.05	0.99	9.57	19.01	0.00	0.00	0.00	0.00	1.46	0.00	5.48	0.00
84.8	40.55	9.72	8.60	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.9	129.13	4.42	18.33	20.02	0.00	0.00	0.00	0.00	0.97	0.45	7.09	8.14
85	104.76	5.67	12.80	11.26	0.00	0.00	0.00	0.00	0.00	0.58	0.00	6.63
85.1	27.15	3.46	7.75	18.29	0.00	0.00	0.00	0.00	0.28	1.70	1.41	11.84
85.2	34.21	0.30	4.73	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.3	107.90	14.99	14.92	18.10	2.42	1.83	17.40	15.57	0.15	2.62	5.57	16.28
85.4	50.64	9.57	15.40	13.59	0.00	0.00	0.00	0.00	1.06	0.00	3.86	0.00
85.5	86.23	12.77	13.40	7.14	0.00	0.00	0.00	0.00	1.50	0.00	8.40	0.00
85.6	92.74	14.97	13.41	15.80	0.00	0.00	0.00	0.00	0.39	0.00	2.92	0.00

85.7	207.67	43.44	15.93	19.93	0.48	0.44	10.54	9.76	0.96	0.00	8.14	0.00
85.8	208.25	13.88	14.65	14.25	0.43	0.00	3.51	0.00	0.45	0.00	2.76	0.00
85.9	84.07	12.66	15.81	15.80	0.83	0.00	10.52	0.00	0.00	0.00	0.00	0.00
86	116.15	47.88	11.97	15.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.1	111.49	4.91	11.24	11.67	0.13	0.38	4.92	7.39	0.48	0.00	3.68	0.00
86.2	46.47	47.83	16.34	17.92	0.00	0.00	0.00	0.00	0.00	0.44	0.00	5.95
86.3	125.67	39.85	12.86	16.25	0.00	0.00	0.00	0.00	0.45	0.12	4.12	6.19
86.4	90.10	50.67	15.65	20.23	0.09	0.62	3.21	4.81	0.56	3.33	2.51	11.86
86.5	114.57	37.35	15.66	17.32	0.08	0.41	3.67	5.51	0.60	1.58	8.09	7.27
86.6	156.81	23.19	15.68	18.10	1.53	0.74	10.68	16.60	0.00	0.00	0.00	0.00
86.7	128.26	47.23	14.59	18.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.8	152.65	17.04	14.21	17.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.9	164.09	13.14	14.14	16.64	0.00	0.00	0.00	0.00	0.16	1.26	10.32	7.74
87	159.36	4.10	12.18	11.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.1	45.06	12.78	15.70	19.27	0.79	0.00	5.29	0.00	0.50	0.00	7.26	0.00
87.2	134.30	34.37	12.22	18.06	0.00	0.00	0.00	0.00	1.38	0.99	2.74	9.34
87.3	64.89	21.56	12.96	13.33	0.00	0.00	0.00	0.00	0.99	0.00	4.35	0.00
87.4	73.02	23.22	13.50	16.54	0.00	0.00	0.00	0.00	0.98	0.40	9.19	3.49
87.5	60.74	15.07	14.69	18.22	0.00	0.00	0.00	0.00	0.75	0.09	10.82	10.07
87.6	78.66	14.11	14.32	17.27	0.00	0.00	0.00	0.00	0.63	0.31	9.02	8.53
87.7	116.20	22.49	14.86	15.37	0.00	0.00	0.00	0.00	1.13	0.00	11.36	0.00
87.8	127.36	4.09	12.00	19.81	0.00	0.00	0.00	0.00	1.10	0.00	3.75	0.00
87.9	62.94	4.47	14.74	18.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	72.86	16.89	12.85	19.57	26.39	21.11	14.62	13.58	0.04	0.46	7.50	11.24
88.1	228.86	5.33	10.51	13.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.2	139.21	0.00	8.85	0.00	0.87	0.00	1.63	0.00	1.02	0.00	4.61	0.00
88.3	128.63	7.19	5.98	6.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.4	57.95	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.5	119.51	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.6	136.03	0.00	9.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.7	90.19	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.8	14.37	0.00	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.9	137.36	2.00	6.87	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	92.67	0.00	8.70	0.00	0.00	0.00	0.00	0.00	1.00	0.00	7.45	0.00
89.1	69.40	0.00	8.11	0.00	0.00	0.00	0.00	0.00	0.38	0.00	5.02	0.00
89.2	84.12	0.00	7.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.3	31.92	5.10	8.44	5.87	0.00	0.00	0.00	0.00	0.42	0.00	3.78	0.00
89.4	0.00	0.50	0.00	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.5	7.65	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.6	65.73	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.42	0.00	8.23	0.00
89.7	6.50	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.33	0.00	2.90	0.00
89.8	73.92	1.33	8.46	7.25	0.41	0.00	10.71	0.00	0.00	0.00	0.00	0.00
89.9	125.59	0.35	8.08	4.10	0.89	0.00	5.22	0.00	0.00	0.00	0.00	0.00

90	142.34	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.1	83.28	0.00	6.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.2	72.08	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.3	77.27	0.00	7.64	0.00	0.41	0.00	4.85	0.00	0.43	0.00	3.71	0.00
90.4	21.81	29.58	4.99	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.5	74.29	0.79	5.46	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.6	90.70	27.25	4.97	8.58	0.00	0.00	0.00	0.00	0.57	0.00	4.66	0.00
90.7	127.25	24.42	6.16	10.06	0.93	0.00	5.09	0.00	0.45	0.00	4.78	0.00
90.8	151.68	22.52	6.35	10.13	3.30	0.00	7.94	0.00	2.71	0.00	6.73	0.00
90.9	85.90	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	102.35	0.00	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.1	64.29	0.00	7.92	0.00	0.00	0.00	0.00	0.00	1.34	0.00	5.98	0.00
91.2	60.14	0.00	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.3	84.73	0.00	7.71	0.00	0.50	0.00	3.04	0.00	0.00	0.00	0.00	0.00
91.4	113.09	0.07	5.96	3.73	0.00	0.00	0.00	0.00	0.51	0.00	11.17	0.00
91.5	63.50	1.42	6.55	8.79	0.00	0.00	0.00	0.00	0.45	0.00	3.43	0.00
91.6	89.86	0.00	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.7	138.65	4.31	7.82	7.50	5.24	0.00	6.04	0.00	0.85	0.00	9.05	0.00
91.8	110.14	1.13	9.57	11.59	23.18	21.81	19.35	18.72	0.00	0.00	0.00	0.00
91.9	140.82	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	93.38	0.00	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.1	44.68	23.09	6.92	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.2	28.14	23.62	4.34	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.3	99.64	5.13	9.84	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.4	122.93	9.08	7.60	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	137.27	2.31	5.40	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.6	85.60	0.00	8.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.7	93.52	14.14	8.35	8.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.8	76.86	6.27	6.00	9.26	0.00	0.00	0.00	0.00	0.58	0.00	2.16	0.00
92.9	48.45	4.69	10.87	9.00	0.00	0.00	0.00	0.00	0.67	0.00	4.56	0.00
93	104.73	6.42	8.13	8.40	0.00	0.00	0.00	0.00	1.06	0.00	3.38	0.00
93.1	98.61	0.00	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.2	84.46	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.3	132.24	0.52	5.42	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.4	121.80	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.5	97.70	1.24	7.80	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.6	83.11	16.16	6.01	9.19	3.50	0.00	4.11	0.00	3.34	0.11	5.87	9.33
93.7	119.97	93.22	3.93	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.8	88.96	12.58	4.92	7.95	0.00	0.00	0.00	0.00	0.59	0.12	2.97	4.45
93.9	86.05	19.45	5.32	9.16	2.27	0.00	6.24	0.00	1.26	0.00	6.26	0.00
94	123.82	35.36	5.46	8.91	5.62	0.00	7.46	0.00	2.62	0.00	7.43	0.00
94.1	133.34	11.70	5.57	10.50	2.43	0.00	6.01	0.00	1.42	0.00	4.94	0.00
94.2	134.56	9.12	6.43	11.35	0.49	0.00	8.01	0.00	0.46	0.10	7.35	11.02

94.3	26.19	0.00	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.4	57.13	0.00	5.58	0.00	0.39	0.00	2.29	0.00	0.40	0.00	5.13	0.00
94.5	120.75	0.25	5.47	2.69	0.49	0.00	3.07	0.00	0.79	0.00	5.77	0.00
94.6	131.03	0.44	7.46	3.38	0.00	0.00	0.00	0.00	0.54	0.00	8.62	0.00
94.7	135.28	10.32	8.71	7.04	0.89	0.00	3.11	0.00	1.82	0.00	3.63	0.00
94.8	118.33	4.12	5.66	10.61	0.92	0.00	5.48	0.00	0.40	0.00	5.35	0.00
94.9	87.53	5.24	13.93	7.89	11.72	8.14	18.36	19.16	1.67	1.18	21.92	19.82
95	92.68	9.93	7.83	7.50	0.90	0.00	5.19	0.00	1.52	0.13	4.92	8.35
95.1	92.23	0.99	5.47	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.2	101.09	4.92	7.84	9.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.3	125.87	4.77	8.90	9.32	3.73	4.00	15.20	15.71	0.55	0.00	6.05	0.00
95.4	155.28	44.73	16.71	20.01	9.04	10.32	22.42	22.34	4.32	4.50	16.84	23.90
95.5	96.49	5.53	11.71	11.53	1.44	0.00	4.59	0.00	3.01	1.90	7.84	11.85
95.6	99.74	9.48	12.29	15.75	0.48	0.00	4.45	0.00	2.17	1.69	12.26	16.51
95.7	102.25	32.08	13.89	14.06	0.71	0.73	15.80	15.62	1.81	1.64	6.03	8.82
95.8	214.63	5.71	14.96	16.42	0.50	0.00	9.04	0.00	1.51	1.70	6.83	10.24
95.9	176.23	13.93	14.24	13.71	0.44	0.00	3.80	0.00	0.00	0.00	0.00	0.00
96	200.38	36.10	9.98	7.68	0.43	0.00	3.33	0.00	0.00	0.00	0.00	0.00
96.1	115.71	19.66	13.28	8.57	0.00	0.00	0.00	0.00	0.51	0.00	3.41	0.00
96.2	113.11	13.21	12.21	11.57	0.00	0.00	0.00	0.00	0.55	0.00	3.62	0.00
96.3	104.03	11.84	9.26	13.54	0.00	0.00	0.00	0.00	0.93	0.03	4.36	8.02
96.4	100.13	81.36	13.63	14.80	2.80	0.00	17.63	0.00	1.63	0.90	8.35	5.71
96.5	174.75	9.80	14.91	8.06	0.00	0.00	0.00	0.00	0.38	0.50	4.28	4.63
96.6	134.29	25.91	11.11	12.48	0.00	0.00	0.00	0.00	1.06	0.00	4.36	0.00
96.7	172.47	13.50	12.49	12.26	0.00	0.00	0.00	0.00	0.00	0.41	0.00	13.35
96.8	113.48	29.23	11.27	17.91	0.77	0.00	10.04	0.00	0.56	0.50	3.11	4.02
96.9	163.39	3.14	12.85	13.31	0.00	0.00	0.00	0.00	0.00	0.47	0.00	4.13
97	125.49	30.43	13.99	8.32	1.25	0.00	4.77	0.00	1.95	0.21	8.17	12.25
97.1	228.25	15.65	9.69	5.68	0.00	0.00	0.00	0.00	0.00	0.53	0.00	4.39
97.2	163.76	23.20	12.28	11.44	0.00	0.00	0.00	0.00	1.11	0.56	6.57	4.86
97.3	156.37	19.03	13.42	13.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.4	190.81	42.62	13.86	13.75	0.48	0.00	6.11	0.00	0.00	0.00	0.00	0.00
97.5	129.57	43.34	13.36	11.88	0.13	0.37	3.62	5.43	0.55	0.55	5.63	5.97
97.6	201.05	24.73	13.76	5.31	0.00	0.00	0.00	0.00	0.45	0.00	7.29	0.00
97.7	158.37	5.43	12.55	11.36	0.00	0.00	0.00	0.00	0.84	0.08	11.13	8.86
97.8	98.00	13.89	10.95	13.41	2.01	1.20	22.80	17.51	1.62	2.14	13.31	12.43
97.9	208.94	33.41	17.73	15.55	18.20	14.29	13.14	13.26	3.75	4.15	18.69	15.34
98	214.35	137.19	15.29	13.55	0.95	0.00	15.45	0.00	2.67	0.62	16.59	8.66
98.1	202.89	44.07	14.53	16.75	0.39	0.00	5.52	0.00	0.00	0.96	0.00	15.23
98.2	168.85	17.41	14.99	25.48	0.00	0.00	0.00	0.00	0.44	0.00	3.19	0.00
98.3	229.88	10.32	14.86	14.82	0.12	0.81	18.91	14.18	1.83	0.67	14.84	15.58
98.4	239.52	9.72	14.40	14.15	0.00	0.00	0.00	0.00	0.00	1.53	0.00	9.13
98.5	94.69	60.18	14.78	15.53	0.00	0.00	0.00	0.00	0.58	1.61	9.54	5.08

98.6	119.51	29.63	12.10	16.44	0.00	0.00	0.00	0.00	0.00	1.93	0.00	18.07
98.7	161.81	40.86	13.49	16.21	0.00	0.00	0.00	0.00	0.00	0.39	0.00	5.82
98.8	145.02	71.23	13.49	16.99	0.00	0.00	0.00	0.00	0.00	0.43	0.00	11.73
98.9	180.23	18.80	14.99	19.29	0.00	0.00	0.00	0.00	0.00	1.14	0.00	4.83
99	223.91	6.66	15.01	13.29	0.00	0.00	0.00	0.00	0.00	0.95	0.00	9.44
99.1	119.67	17.40	12.43	16.96	0.00	0.00	0.00	0.00	0.51	0.12	10.53	15.80
99.2	152.24	23.63	15.02	12.71	0.28	1.12	10.66	9.76	1.55	0.55	8.81	13.21
99.3	70.68	6.63	12.78	15.08	0.00	0.00	0.00	0.00	0.61	2.03	3.82	8.75
99.4	64.28	0.20	13.51	5.82	0.00	0.00	0.00	0.00	0.49	0.00	9.04	0.00
99.5	54.97	4.01	12.50	11.99	0.00	0.00	0.00	0.00	1.04	0.10	4.55	7.57
99.6	74.66	9.76	13.49	13.73	0.00	0.00	0.00	0.00	1.83	0.12	17.62	14.77
99.7	35.34	107.58	11.74	9.27	0.00	0.00	0.00	0.00	0.91	0.00	4.18	0.00
99.8	61.41	45.70	12.64	10.11	0.15	0.85	12.18	18.27	1.56	0.00	6.76	0.00
99.9	101.07	20.73	12.67	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	36.31	25.73	10.07	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.1	18.73	31.59	10.69	6.35	0.00	0.00	0.00	0.00	0.81	0.24	6.63	9.94
100.2	25.93	53.19	8.68	5.93	0.00	0.00	0.00	0.00	1.04	0.00	3.32	0.00
100.3	56.83	45.49	11.28	6.51	0.00	0.00	0.00	0.00	0.54	0.00	4.20	0.00
100.4	63.56	23.13	10.68	16.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.5	76.74	18.32	10.65	13.45	0.05	0.37	2.21	3.32	0.89	0.57	4.82	2.09
100.6	102.32	15.82	12.75	9.54	1.28	0.00	4.83	0.00	0.45	0.00	5.77	0.00
100.7	123.20	3.46	14.78	19.08	1.50	0.37	17.16	10.44	13.37	9.25	20.04	19.35
100.8	226.96	42.41	15.54	18.24	0.22	1.94	8.67	21.42	2.81	6.01	14.20	22.99
100.9	141.73	26.44	13.77	18.08	1.38	2.34	26.73	26.28	4.48	5.87	20.10	21.41
101	134.29	22.15	13.33	14.63	0.13	0.38	6.37	9.55	2.03	0.00	6.28	0.00
101.1	83.42	29.42	14.76	16.37	0.08	0.29	6.08	9.11	3.75	3.83	12.43	23.39
101.2	66.12	15.73	12.48	15.88	0.21	1.57	8.45	27.48	4.41	4.01	27.24	22.31
101.3	49.20	11.31	8.33	12.88	0.00	0.00	0.00	0.00	2.55	0.85	7.92	5.50
101.4	60.01	21.16	13.43	12.55	0.00	0.00	0.00	0.00	2.25	1.50	17.48	18.49
101.5	91.60	23.26	11.91	11.31	0.08	0.38	4.81	7.21	0.39	0.16	7.30	10.95
101.6	89.98	11.60	12.77	8.53	0.00	0.00	0.00	0.00	0.48	0.13	5.55	8.33
101.7	172.06	32.38	11.55	11.43	0.00	0.00	0.00	0.00	0.45	0.46	3.18	10.93
101.8	187.18	4.23	14.39	11.02	0.25	0.69	3.22	4.83	3.24	0.00	8.93	0.00
101.9	14.46	0.07	10.54	7.28	52.19	40.61	12.12	12.12	1.12	0.00	4.10	0.00
102	200.22	36.94	13.28	13.88	15.29	8.42	14.86	13.57	1.64	0.59	7.56	5.72
102.1	155.68	34.66	13.09	13.91	0.00	0.00	0.00	0.00	2.24	0.36	7.56	11.61
102.2	81.80	36.90	9.73	8.41	0.00	0.00	0.00	0.00	3.87	1.69	11.68	8.99
102.3	33.41	7.84	10.39	5.70	0.00	0.00	0.00	0.00	3.38	0.45	3.95	4.82
102.4	37.17	14.74	11.86	12.81	0.00	0.00	0.00	0.00	3.17	0.03	4.49	7.86
102.5	47.19	52.76	8.28	7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.6	98.38	2.69	9.28	10.93	0.00	0.00	0.00	0.00	1.52	0.00	13.23	0.00
102.7	100.55	10.99	13.53	9.29	0.05	0.41	3.06	4.59	1.09	0.00	2.26	0.00
102.8	60.03	94.80	11.17	7.28	0.00	0.00	0.00	0.00	0.50	0.00	6.56	0.00

102.9	61.09	108.75	9.62	15.44	0.00	0.00	0.00	0.00	0.46	0.00	6.17	0.00
103	29.23	23.95	7.11	5.89	0.00	0.00	0.00	0.00	0.00	0.51	0.00	15.95
103.1	27.34	25.57	8.40	9.60	0.00	0.00	0.00	0.00	1.58	0.00	3.63	0.00
103.2	54.63	24.34	8.47	8.79	0.09	0.78	15.04	11.28	1.97	0.25	7.50	15.60
103.3	75.14	22.58	10.57	10.74	0.16	0.85	10.49	15.73	5.70	7.20	12.80	20.64
103.4	31.72	19.49	9.38	6.88	0.15	0.85	8.89	13.33	0.93	0.00	4.99	0.00
103.5	55.96	4.44	13.12	7.94	0.06	0.44	4.13	6.19	4.35	1.66	12.17	17.34
103.6	41.09	3.32	8.32	7.04	0.00	0.00	0.00	0.00	2.09	0.02	5.99	16.27
103.7	52.87	8.99	8.48	5.34	0.06	0.43	2.65	3.98	3.45	0.36	4.61	4.57
103.8	80.62	4.09	7.79	7.39	0.00	0.00	0.00	0.00	1.44	0.51	3.18	4.32
103.9	55.44	17.42	9.23	16.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	90.39	7.06	13.52	7.15	4.53	3.06	17.08	17.06	4.20	1.66	14.41	13.89
104.1	44.05	59.01	13.93	14.38	11.77	7.43	17.54	15.13	5.00	2.58	14.85	14.34
104.2	52.76	58.67	11.99	14.57	1.64	0.76	7.98	6.18	1.45	1.27	8.72	6.62
104.3	68.79	48.73	14.05	17.99	0.15	1.28	7.81	11.72	2.35	4.96	17.31	21.47
104.4	20.39	18.01	12.69	12.60	0.00	0.00	0.00	0.00	2.62	0.98	4.98	3.89
104.5	26.66	83.71	10.94	13.07	0.00	0.00	0.00	0.00	0.50	0.38	4.59	9.36
104.6	35.12	20.00	8.06	5.72	0.02	0.37	4.80	7.20	1.59	0.08	4.14	6.21
104.7	34.12	32.56	9.15	12.53	0.00	0.00	0.00	0.00	0.51	0.00	3.20	0.00
104.8	40.45	17.98	8.38	13.72	0.08	0.35	4.66	7.00	0.46	0.00	3.73	0.00
104.9	49.92	28.90	15.44	15.81	0.08	0.30	4.78	7.17	0.00	0.00	0.00	0.00
105	73.25	10.92	8.01	6.14	0.00	0.00	0.00	0.00	0.61	0.48	9.50	14.26
105.1	34.68	15.31	7.91	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.2	51.06	1.77	10.74	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.3	31.75	7.22	11.36	8.35	0.00	0.00	0.00	0.00	5.95	0.09	4.06	7.31
105.4	75.95	6.41	10.61	8.46	0.00	0.00	0.00	0.00	2.35	0.00	4.04	0.00
105.5	56.22	34.65	11.61	13.54	0.00	0.00	0.00	0.00	0.04	0.28	3.75	5.62
105.6	118.91	21.82	11.32	10.64	0.00	0.00	0.00	0.00	1.04	0.00	3.45	0.00
105.7	56.00	107.98	11.98	17.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.8	64.75	49.65	9.69	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.9	60.10	108.48	7.34	4.85	0.00	0.00	0.00	0.00	0.52	0.00	6.79	0.00
106	88.50	61.78	11.03	4.07	0.00	0.00	0.00	0.00	2.41	0.00	4.99	0.00
106.1	208.06	30.02	11.52	10.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.2	156.39	24.77	11.54	9.87	0.00	0.00	0.00	0.00	2.08	0.00	2.98	0.00
106.3	112.60	35.26	11.68	4.53	0.00	0.00	0.00	0.00	2.11	0.07	5.74	7.27
106.4	155.78	64.55	14.67	6.56	0.00	0.00	0.00	0.00	2.13	0.00	3.59	0.00
106.5	45.39	71.72	13.15	7.10	0.00	0.00	0.00	0.00	4.51	0.87	5.35	9.44
106.6	147.37	51.51	13.38	5.34	0.00	0.00	0.00	0.00	0.57	0.00	4.07	0.00
106.7	93.03	63.69	11.04	5.88	0.00	0.00	0.00	0.00	0.00	0.35	0.00	5.80
106.8	73.43	88.61	12.09	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.9	69.41	76.04	13.46	5.13	0.00	0.00	0.00	0.00	1.06	0.60	3.20	3.18
107	39.54	56.37	7.31	5.33	0.00	0.00	0.00	0.00	2.98	0.21	4.92	7.38
107.1	19.42	17.76	7.99	6.48	0.39	0.00	6.68	0.00	1.81	0.26	5.13	9.21

107.2	55.56	35.47	11.21	7.06	0.00	0.00	0.00	0.00	0.98	0.00	5.56	0.00
107.3	92.34	63.59	14.35	12.28	0.00	0.00	0.00	0.00	0.26	0.74	9.29	13.94
107.4	21.97	112.65	13.97	8.15	0.00	0.00	0.00	0.00	1.47	0.15	5.12	7.67
107.5	40.00	95.76	14.72	14.31	0.00	0.00	0.00	0.00	1.61	0.00	2.91	0.00
107.6	10.11	16.32	7.78	14.26	0.00	0.00	0.00	0.00	1.15	0.00	3.84	0.00
107.7	31.06	39.64	10.93	6.37	0.00	0.00	0.00	0.00	1.25	1.14	7.86	5.13
107.8	43.71	37.62	9.04	6.05	0.00	0.00	0.00	0.00	4.05	1.65	11.21	16.95
107.9	22.36	34.48	12.59	4.89	0.00	0.00	0.00	0.00	1.72	0.00	4.74	0.00
108	33.74	11.26	8.13	5.63	0.00	0.00	0.00	0.00	1.13	0.45	3.45	8.48
108.1	71.36	12.07	7.62	4.28	0.00	0.00	0.00	0.00	1.04	0.61	4.18	4.94
108.2	34.63	36.21	11.02	4.65	0.09	0.37	2.97	4.46	1.92	0.02	3.54	5.56
108.3	8.82	23.81	10.25	8.25	0.24	0.71	6.08	9.11	0.87	0.46	11.17	13.77
108.4	49.40	30.12	10.07	8.05	0.74	1.01	15.41	15.10	1.46	0.05	10.91	3.20
108.5	71.93	49.25	14.56	7.01	0.18	0.80	16.34	12.26	0.50	0.95	7.71	11.56
108.6	59.98	45.66	14.51	25.15	0.00	0.00	0.00	0.00	0.54	0.58	13.77	5.87
108.7	48.40	48.13	12.72	6.09	0.00	0.00	0.00	0.00	0.85	1.72	8.32	8.16
108.8	43.46	115.16	12.62	13.62	0.00	0.00	0.00	0.00	3.22	0.00	7.76	0.00
108.9	122.22	47.48	13.89	8.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	50.34	36.73	12.52	6.43	0.00	0.00	0.00	0.00	0.00	0.39	0.00	7.69
109.1	43.72	60.53	8.90	7.69	0.00	0.00	0.00	0.00	1.54	0.00	5.31	0.00
109.2	93.70	41.86	14.04	21.47	0.00	0.00	0.00	0.00	0.41	1.00	3.68	11.67
109.3	51.75	21.76	13.87	8.04	0.00	0.00	0.00	0.00	0.51	0.41	4.29	9.52
109.4	123.82	39.19	14.73	14.51	1.08	0.77	19.76	9.37	0.52	1.07	12.56	6.40
109.5	30.74	19.90	11.94	4.82	0.00	0.00	0.00	0.00	0.41	2.15	6.76	9.95
109.6	14.51	24.81	7.29	4.77	0.00	0.00	0.00	0.00	1.46	0.58	4.17	2.41
109.7	27.20	14.28	7.91	13.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.8	117.87	5.48	12.13	4.04	0.00	0.00	0.00	0.00	0.40	0.00	7.16	0.00
109.9	102.76	1.42	11.05	2.54	0.00	0.00	0.00	0.00	4.35	0.00	4.14	0.00
110	104.40	3.31	12.09	3.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.1	57.97	6.17	12.03	8.53	0.00	0.00	0.00	0.00	2.08	0.00	3.76	0.00
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110.3	131.82	5.26	9.24	11.01	0.00	0.00	0.00	0.00	1.06	0.07	5.47	11.95
110.4	128.13	30.05	9.02	10.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.5	150.03	0.14	12.89	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.6	118.20	13.28	10.48	9.68	0.00	0.00	0.00	0.00	0.98	0.16	5.36	8.70
110.7	125.67	13.43	8.32	8.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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110.9	83.08	49.89	9.37	6.96	0.00	0.00	0.00	0.00	0.40	0.73	2.55	3.82
111	68.58	36.83	8.47	6.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.1	46.60	11.18	10.45	14.75	0.00	0.00	0.00	0.00	0.00	0.46	0.00	4.26
111.2	120.59	14.87	8.84	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.3	41.74	32.65	12.81	6.45	0.00	0.00	0.00	0.00	1.05	0.00	7.04	0.00
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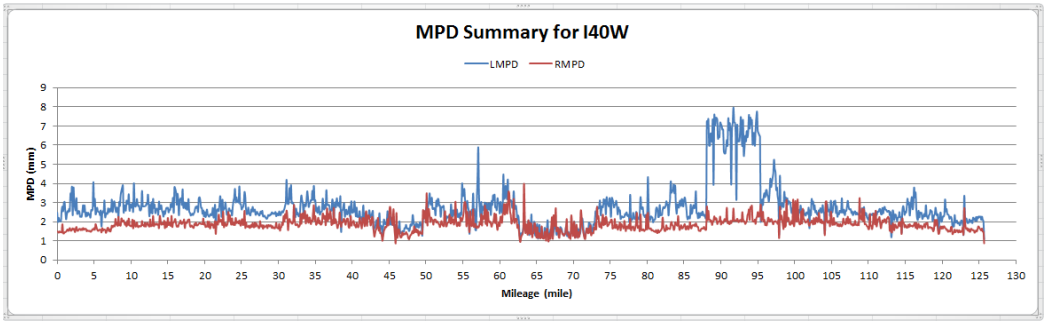
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111.7	132.51	0.75	14.14	12.41	0.00	0.00	0.00	0.00	0.90	0.00	11.66	0.00
111.8	129.73	20.01	12.38	11.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.9	81.62	0.42	14.50	4.45	0.00	0.00	0.00	0.00	0.55	0.00	2.67	0.00
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112.2	127.02	4.69	12.25	11.19	0.00	0.00	0.00	0.00	0.00	0.50	0.00	3.92
112.3	123.36	16.21	9.22	7.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.4	87.11	4.38	12.80	10.03	0.13	0.34	5.01	7.51	0.00	0.00	0.00	0.00
112.5	51.33	11.54	7.99	9.88	0.00	0.00	0.00	0.00	1.55	0.00	3.36	0.00
112.6	94.72	7.14	9.02	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.7	35.62	7.54	8.63	4.86	0.00	0.00	0.00	0.00	1.07	0.05	4.34	6.51
112.8	62.59	17.01	8.50	6.44	0.58	0.42	9.31	5.33	0.05	0.80	3.51	5.27
112.9	74.16	2.41	12.26	8.67	0.70	0.77	17.55	5.63	0.50	0.00	4.12	0.00
113	97.35	5.05	11.53	5.75	10.03	8.42	16.38	15.57	1.01	0.00	5.94	0.00
113.1	120.33	27.01	16.23	14.61	20.11	14.29	15.19	14.26	1.45	0.63	25.12	23.68
113.2	124.98	5.86	14.22	16.76	11.94	10.60	17.97	16.04	4.11	1.20	21.07	15.47
113.3	44.57	1.56	4.96	9.85	0.37	0.00	5.50	0.00	1.10	0.40	4.70	5.33
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113.6	50.61	9.20	12.44	12.56	0.46	0.00	5.93	0.00	0.47	0.00	3.35	0.00
113.7	73.94	2.31	7.83	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.8	100.60	19.10	14.08	4.61	0.07	0.41	3.61	5.42	0.00	0.84	0.00	4.85
113.9	114.21	37.13	13.58	15.61	0.37	0.00	4.92	0.00	0.00	0.50	0.00	2.54
114	101.19	14.01	12.63	10.83	0.00	0.00	0.00	0.00	3.69	1.41	6.93	5.46
114.1	85.05	35.55	7.51	6.32	0.00	0.00	0.00	0.00	3.10	1.22	6.18	9.00
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114.3	87.84	17.40	10.98	5.01	0.00	0.00	0.00	0.00	1.05	0.46	3.72	5.35
114.4	136.90	22.77	14.17	6.04	0.12	0.32	2.35	3.52	16.53	15.33	18.56	20.99
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114.6	219.22	31.86	13.96	14.66	3.89	1.09	12.54	6.97	1.81	6.37	18.49	12.69
114.7	82.59	33.87	11.88	12.18	0.12	0.37	2.82	4.23	1.48	0.21	10.69	8.31
114.8	95.88	3.10	12.19	8.09	0.62	0.36	22.04	12.08	0.95	0.00	4.42	0.00
114.9	86.32	0.00	11.90	0.00	0.00	0.00	0.00	0.00	0.50	0.00	3.55	0.00
115	91.57	0.00	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.1	152.49	0.00	15.19	0.00	0.00	0.00	0.00	0.00	0.48	0.00	11.05	0.00
115.2	212.89	0.41	9.64	4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.3	72.39	56.97	8.44	7.63	0.64	0.73	8.06	12.10	0.42	0.64	7.10	9.96
115.4	82.73	19.10	9.47	15.10	0.49	0.00	13.37	0.00	1.06	0.50	5.37	7.30
115.5	128.73	3.96	15.33	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.6	40.62	0.74	10.20	10.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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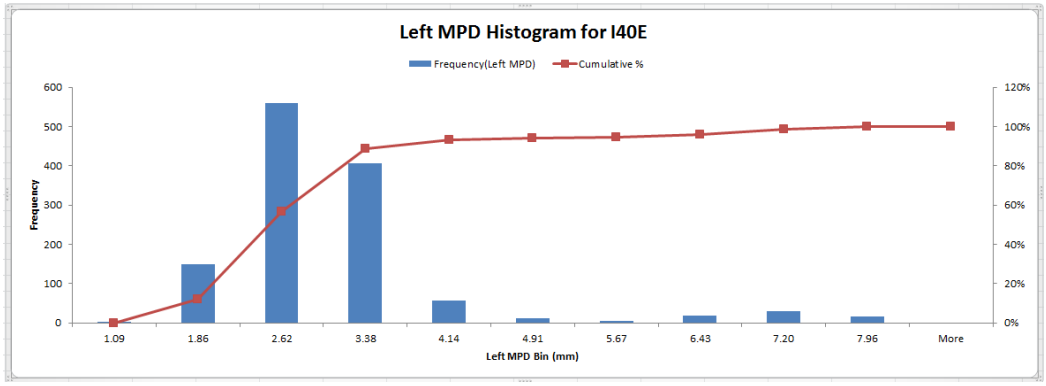
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116	108.89	0.44	6.97	3.74	0.00	0.00	0.00	0.00	2.14	0.50	3.49	4.13
116.1	117.22	14.86	10.00	6.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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116.4	108.12	5.76	14.49	15.37	1.84	1.54	25.20	25.20	0.00	0.00	0.00	0.00
116.5	99.82	8.33	12.78	6.02	0.00	0.00	0.00	0.00	1.22	0.42	6.47	3.97
116.6	105.38	17.25	8.34	6.16	0.90	0.00	5.96	0.00	0.20	1.25	2.67	4.39
116.7	163.23	7.01	11.93	10.83	0.90	0.00	4.74	0.00	0.00	0.00	0.00	0.00
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116.9	117.69	20.89	11.73	6.95	0.51	0.00	11.19	0.00	3.11	0.63	7.75	12.10
117	130.66	15.14	12.92	8.55	0.43	0.00	11.14	0.00	1.02	3.77	8.48	7.09
117.1	82.30	2.32	8.06	4.69	0.00	0.00	0.00	0.00	0.14	0.42	2.84	4.26
117.2	58.73	0.33	8.83	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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117.4	97.47	13.25	10.07	4.71	0.00	0.00	0.00	0.00	0.71	0.44	6.83	3.79
117.5	123.81	1.54	13.13	11.52	0.00	0.00	0.00	0.00	1.03	0.10	3.10	4.65
117.6	44.21	4.62	8.89	13.53	0.00	0.00	0.00	0.00	0.57	0.00	4.03	0.00
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117.9	137.84	4.17	13.90	5.69	0.00	0.00	0.00	0.00	0.35	1.13	3.98	10.93
118	117.23	3.26	11.83	4.48	0.13	0.38	3.02	4.53	0.17	0.24	2.69	4.04
118.1	35.82	0.52	11.50	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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118.4	170.36	13.88	10.27	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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118.8	68.34	70.53	6.34	5.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118.9	142.82	52.55	16.97	19.09	21.60	16.15	15.85	14.68	7.38	6.87	16.84	18.29
119	52.76	148.22	11.97	15.17	1.53	0.27	15.11	11.55	1.09	1.35	6.44	8.79
119.1	47.35	112.93	11.24	9.38	0.49	0.00	8.56	0.00	0.07	0.39	3.03	4.54
119.2	82.20	74.65	11.19	10.06	0.00	0.00	0.00	0.00	0.02	0.57	7.54	11.30
119.3	168.03	25.16	12.72	12.17	0.00	0.00	0.00	0.00	0.00	0.58	0.00	10.17
119.4	131.50	23.57	12.86	11.03	12.11	8.13	14.28	13.29	0.38	0.00	8.49	0.00
119.5	211.55	6.59	16.96	16.97	14.52	10.40	13.26	12.82	0.00	2.43	0.00	24.40
119.6	161.85	60.32	12.44	16.13	1.22	1.87	16.48	16.35	1.12	3.59	7.91	15.94
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119.8	97.30	19.93	9.01	15.44	0.49	0.44	14.95	10.08	1.63	0.50	8.31	3.67
119.9	123.65	28.14	11.78	13.80	0.45	0.00	4.05	0.00	0.00	0.00	0.00	0.00
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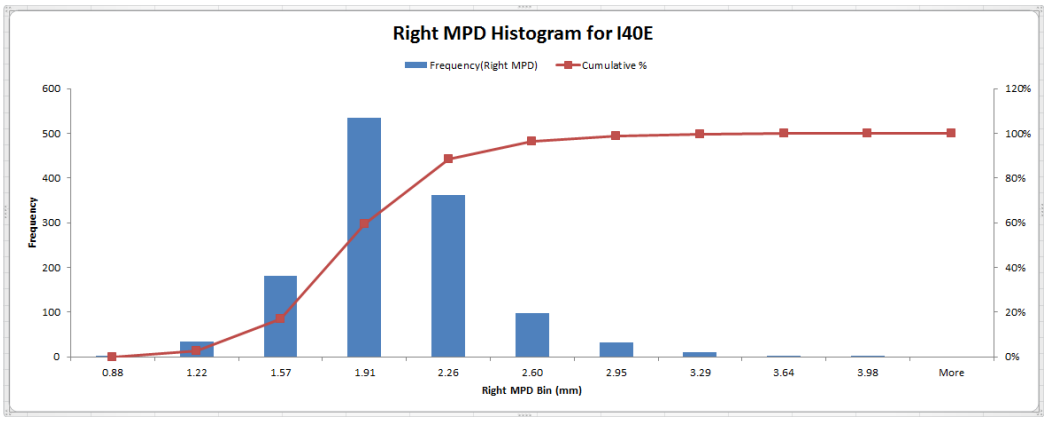
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121	192.77	0.00	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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121.3	183.15	10.66	12.51	14.88	1.22	0.00	19.24	0.00	2.29	0.00	11.75	0.00
121.4	101.81	8.05	11.23	9.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.5	132.90	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.6	76.38	2.74	13.68	19.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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122.3	39.20	0.00	10.26	0.00	0.00	0.00	0.00	0.00	0.59	0.00	3.85	0.00
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122.9	39.13	1.68	14.74	15.16	2.56	3.95	17.66	14.86	21.11	18.65	22.29	23.84
123	217.09	108.58	17.75	19.50	12.02	24.57	17.57	15.58	13.67	18.46	16.30	16.61
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123.3	103.49	27.35	11.66	12.69	0.38	0.00	4.61	0.00	1.12	0.00	3.47	0.00
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123.5	106.37	19.35	12.17	6.84	0.46	0.00	2.77	0.00	0.00	0.00	0.00	0.00
123.6	42.76	44.24	10.17	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.7	115.85	9.39	8.60	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.8	171.98	43.26	5.34	8.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.9	129.69	20.35	3.96	9.47	0.00	0.00	0.00	0.00	0.33	0.29	5.77	8.65
124	97.41	1.13	7.18	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.1	100.57	19.24	7.35	6.75	0.13	0.37	3.37	5.05	0.61	0.43	7.25	10.88
124.2	57.58	1.03	7.44	6.85	0.00	0.00	0.00	0.00	3.22	0.01	3.93	6.78
124.3	48.95	0.00	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

124.4	61.67	0.69	10.04	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.5	41.25	1.03	12.51	11.48	0.35	0.00	8.16	0.00	0.00	0.00	0.00	0.00
124.6	86.90	0.80	12.11	2.53	0.00	0.00	0.00	0.00	1.59	0.00	6.42	0.00
124.7	56.26	0.49	11.60	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.8	70.87	2.22	7.68	12.05	0.00	0.00	0.00	0.00	2.03	0.09	8.40	6.53
124.9	54.58	15.38	11.91	6.95	0.33	0.00	7.06	0.00	0.92	0.29	3.09	4.63
125	29.47	0.00	8.16	0.00	0.00	0.00	0.00	0.00	1.11	0.00	2.71	0.00
125.1	28.26	0.28	10.73	4.93	0.00	0.00	0.00	0.00	0.44	0.00	3.50	0.00
125.2	17.21	32.91	8.74	5.38	1.73	0.00	1.83	0.00	0.47	0.00	3.66	0.00
125.3	64.96	11.20	13.12	4.59	0.37	0.00	4.54	0.00	0.00	0.00	0.00	0.00
125.4	47.26	4.00	10.43	6.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.5	14.93	1.00	9.45	3.88	1.64	0.00	3.61	0.00	0.00	0.00	0.00	0.00
125.6	48.97	15.07	13.39	13.47	1.05	0.40	1.50	1.50	1.65	0.48	5.86	5.53

MPD Data


MPD Summary for I40W
LMPD
RMPD
MPD (mm)
Mileage (mile)


Left MPD Histogram for I40E
Frequency(Left MPD)
Cumulative %
Frequency
Left MPD Bin (mm)


Right MPD Histogram for I40E
Frequency(Right MPD)
Cumulative %
Frequency
Right MPD Bin (mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	2.48	1.50
0.10	70 / 819	71 / 136	1.99	1.48
0.20	140 / 1638	141 / 955	2.21	1.43
0.30	211 / 409	211 / 1774	2.04	1.50
0.40	281 / 1228	282 / 545	2.02	1.46
0.50	351 / 2047	352 / 1364	2.05	1.45
0.60	422 / 818	423 / 135	2.60	1.46
0.70	492 / 1637	493 / 954	2.81	1.88
0.80	563 / 408	563 / 1773	2.55	1.40
0.90	633 / 1227	634 / 544	2.98	1.39
1.00	703 / 2046	704 / 1363	3.04	1.45
1.10	774 / 817	775 / 134	2.54	1.46
1.20	844 / 1636	845 / 953	2.13	1.49
1.30	915 / 407	915 / 1772	2.37	1.55
1.40	985 / 1226	986 / 543	2.56	1.61
1.50	1055 / 2045	1056 / 1362	2.51	1.53
1.60	1126 / 816	1127 / 133	2.68	1.57
1.70	1196 / 1635	1197 / 952	2.57	1.68
1.80	1267 / 406	1267 / 1771	3.48	1.56
1.90	1337 / 1225	1338 / 542	3.14	1.53
2.00	1407 / 2044	1408 / 1361	3.83	1.60
2.10	1478 / 815	1479 / 132	2.34	1.67
2.20	1548 / 1634	1549 / 951	3.78	1.59
2.30	1619 / 405	1619 / 1770	3.13	1.63
2.40	1689 / 1224	1690 / 541	2.73	1.46
2.50	1759 / 2043	1760 / 1360	2.61	1.62
2.60	1830 / 814	1831 / 131	3.24	1.73
2.70	1900 / 1633	1901 / 950	2.41	1.56
2.80	1971 / 404	1971 / 1769	2.43	1.52
2.90	2041 / 1223	2042 / 540	2.57	1.58
3.00	2111 / 2042	2112 / 1359	2.53	1.64
3.10	2182 / 813	2183 / 130	2.26	1.62
3.20	2252 / 1632	2253 / 949	2.29	1.57
3.30	2323 / 403	2323 / 1768	2.26	1.63
3.40	2393 / 1222	2394 / 539	2.52	1.57
3.50	2463 / 2041	2464 / 1358	2.87	1.68
3.60	2534 / 812	2535 / 129	2.51	1.58
3.70	2604 / 1631	2605 / 948	2.87	1.64
3.80	2675 / 402	2675 / 1767	2.46	1.61
3.90	2745 / 1221	2746 / 538	2.27	1.64
4.00	2815 / 2040	2816 / 1357	2.49	1.51

4.10	2886 / 811	2887 / 128	2.32	1.56
4.20	2956 / 1630	2957 / 947	2.48	1.53
4.30	3027 / 401	3027 / 1766	2.38	1.51
4.40	3097 / 1220	3098 / 537	2.39	1.54
4.50	3167 / 2039	3168 / 1356	2.22	1.48
4.60	3238 / 810	3239 / 127	2.62	1.50
4.70	3308 / 1629	3309 / 946	2.58	1.56
4.80	3379 / 400	3379 / 1765	2.65	1.62
4.90	3449 / 1219	3450 / 536	4.08	1.58
5.00	3519 / 2038	3520 / 1355	2.84	1.67
5.10	3590 / 809	3591 / 126	3.20	1.58
5.20	3660 / 1628	3661 / 945	2.40	1.88
5.30	3731 / 399	3731 / 1764	2.54	1.75
5.40	3801 / 1218	3802 / 535	2.74	1.62
5.50	3871 / 2037	3872 / 1354	2.56	1.54
5.60	3942 / 808	3943 / 125	2.51	1.54
5.70	4012 / 1627	4013 / 944	2.51	1.59
5.80	4083 / 398	4083 / 1763	2.35	1.58
5.90	4153 / 1217	4154 / 534	2.58	1.58
6.00	4223 / 2036	4224 / 1353	1.75	1.44
6.10	4294 / 807	4295 / 124	2.39	1.68
6.20	4364 / 1626	4365 / 943	2.57	1.54
6.30	4435 / 397	4435 / 1762	2.49	1.60
6.40	4505 / 1216	4506 / 533	3.12	1.60
6.50	4575 / 2035	4576 / 1352	2.24	1.58
6.60	4646 / 806	4647 / 123	2.39	1.43
6.70	4716 / 1625	4717 / 942	2.47	1.52
6.80	4787 / 396	4787 / 1761	2.41	1.67
6.90	4857 / 1215	4858 / 532	2.70	1.69
7.00	4927 / 2034	4928 / 1351	2.51	1.51
7.10	4998 / 805	4999 / 122	2.57	1.62
7.20	5068 / 1624	5069 / 941	2.69	1.49
7.30	5139 / 395	5139 / 1760	2.56	1.62
7.40	5209 / 1214	5210 / 531	3.16	1.80
7.50	5279 / 2033	5280 / 1350	2.52	1.71
7.60	5350 / 804	5351 / 121	2.76	1.80
7.70	5420 / 1623	5421 / 940	3.07	1.81
7.80	5491 / 394	5491 / 1759	2.98	1.76
7.90	5561 / 1213	5562 / 530	2.63	2.16
8.00	5631 / 2032	5632 / 1349	2.50	1.85
8.10	5702 / 803	5703 / 120	2.75	1.94
8.20	5772 / 1622	5773 / 939	2.67	1.79
8.30	5843 / 393	5843 / 1758	2.24	2.27

8.40	5913 / 1212	5914 / 529	3.03	1.82
8.50	5983 / 2031	5984 / 1348	2.83	1.89
8.60	6054 / 802	6055 / 119	3.40	1.80
8.70	6124 / 1621	6125 / 938	3.63	2.18
8.80	6195 / 392	6195 / 1757	3.78	2.08
8.90	6265 / 1211	6266 / 528	3.90	2.00
9.00	6335 / 2030	6336 / 1347	2.50	2.08
9.10	6406 / 801	6407 / 118	2.86	1.97
9.20	6476 / 1620	6477 / 937	2.84	1.84
9.30	6547 / 391	6547 / 1756	2.58	1.93
9.40	6617 / 1210	6618 / 527	3.11	1.76
9.50	6687 / 2029	6688 / 1346	3.06	2.06
9.60	6758 / 800	6759 / 117	2.94	1.83
9.70	6828 / 1619	6829 / 936	3.44	2.18
9.80	6899 / 390	6899 / 1755	2.58	1.82
9.90	6969 / 1209	6970 / 526	2.92	1.80
10.00	7039 / 2028	7040 / 1345	2.73	1.77
10.10	7110 / 799	7111 / 116	2.82	1.78
10.20	7180 / 1618	7181 / 935	2.96	2.11
10.30	7251 / 389	7251 / 1754	2.54	1.66
10.40	7321 / 1208	7322 / 525	4.02	2.06
10.50	7391 / 2027	7392 / 1344	2.83	1.95
10.60	7462 / 798	7463 / 115	2.79	1.75
10.70	7532 / 1617	7533 / 934	2.88	1.77
10.80	7603 / 388	7603 / 1753	3.19	1.97
10.90	7673 / 1207	7674 / 524	2.92	1.77
11.00	7743 / 2026	7744 / 1343	2.81	1.72
11.10	7814 / 797	7815 / 114	2.84	1.78
11.20	7884 / 1616	7885 / 933	2.60	1.78
11.30	7955 / 387	7955 / 1752	2.60	1.76
11.40	8025 / 1206	8026 / 523	2.69	1.79
11.50	8095 / 2025	8096 / 1342	3.61	2.04
11.60	8166 / 796	8167 / 113	2.81	1.83
11.70	8236 / 1615	8237 / 932	2.81	1.83
11.80	8307 / 386	8307 / 1751	2.81	1.76
11.90	8377 / 1205	8378 / 522	2.82	1.95
12.00	8447 / 2024	8448 / 1341	2.84	1.75
12.10	8518 / 795	8519 / 112	2.96	1.87
12.20	8588 / 1614	8589 / 931	2.93	1.95
12.30	8659 / 385	8659 / 1750	3.43	1.86
12.40	8729 / 1204	8730 / 521	2.94	1.79
12.50	8799 / 2023	8800 / 1340	2.29	1.75
12.60	8870 / 794	8871 / 111	2.89	2.13

12.70	8940 / 1613	8941 / 930	2.46	1.77
12.80	9011 / 384	9011 / 1749	3.02	1.85
12.90	9081 / 1203	9082 / 520	2.43	1.80
13.00	9151 / 2022	9152 / 1339	3.20	2.31
13.10	9222 / 793	9223 / 110	2.72	1.78
13.20	9292 / 1612	9293 / 929	2.90	1.92
13.30	9363 / 383	9363 / 1748	2.45	1.85
13.40	9433 / 1202	9434 / 519	2.65	1.86
13.50	9503 / 2021	9504 / 1338	2.69	1.91
13.60	9574 / 792	9575 / 109	2.62	1.84
13.70	9644 / 1611	9645 / 928	2.37	1.87
13.80	9715 / 382	9715 / 1747	3.06	1.67
13.90	9785 / 1201	9786 / 518	2.67	2.30
14.00	9855 / 2020	9856 / 1337	2.71	2.13
14.10	9926 / 791	9927 / 108	2.87	1.85
14.20	9996 / 1610	9997 / 927	2.59	1.89
14.30	10067 / 381	10067 / 1746	2.48	1.93
14.40	10137 / 1200	10138 / 517	2.26	1.86
14.50	10207 / 2019	10208 / 1336	2.55	2.06
14.60	10278 / 790	10279 / 107	2.40	1.67
14.70	10348 / 1609	10349 / 926	2.58	2.00
14.80	10419 / 380	10419 / 1745	2.73	1.73
14.90	10489 / 1199	10490 / 516	2.70	1.79
15.00	10559 / 2018	10560 / 1335	2.74	2.20
15.10	10630 / 789	10631 / 106	2.49	1.83
15.20	10700 / 1608	10701 / 925	2.63	1.97
15.30	10771 / 379	10771 / 1744	2.62	1.86
15.40	10841 / 1198	10842 / 515	2.94	1.79
15.50	10911 / 2017	10912 / 1334	2.76	2.31
15.60	10982 / 788	10983 / 105	2.80	1.73
15.70	11052 / 1607	11053 / 924	3.25	1.95
15.80	11123 / 378	11123 / 1743	2.47	1.96
15.90	11193 / 1197	11194 / 514	3.82	2.04
16.00	11263 / 2016	11264 / 1333	3.72	2.15
16.10	11334 / 787	11335 / 104	3.55	1.93
16.20	11404 / 1606	11405 / 923	2.89	1.75
16.30	11475 / 377	11475 / 1742	3.47	1.79
16.40	11545 / 1196	11546 / 513	3.18	1.74
16.50	11615 / 2015	11616 / 1332	2.34	1.92
16.60	11686 / 786	11687 / 103	3.13	1.92
16.70	11756 / 1605	11757 / 922	3.20	2.07
16.80	11827 / 376	11827 / 1741	3.23	1.94
16.90	11897 / 1195	11898 / 512	2.89	1.88

17.00	11967 / 2014	11968 / 1331	3.70	2.00
17.10	12038 / 785	12039 / 102	2.75	1.95
17.20	12108 / 1604	12109 / 921	3.00	2.12
17.30	12179 / 375	12179 / 1740	3.01	1.68
17.40	12249 / 1194	12250 / 511	2.69	1.91
17.50	12319 / 2013	12320 / 1330	2.99	1.99
17.60	12390 / 784	12391 / 101	2.63	1.94
17.70	12460 / 1603	12461 / 920	2.83	2.09
17.80	12531 / 374	12531 / 1739	3.19	2.11
17.90	12601 / 1193	12602 / 510	2.53	2.13
18.00	12671 / 2012	12672 / 1329	2.47	1.79
18.10	12742 / 783	12743 / 100	2.33	1.73
18.20	12812 / 1602	12813 / 919	2.39	1.81
18.30	12883 / 373	12883 / 1738	2.42	1.76
18.40	12953 / 1192	12954 / 509	2.35	1.71
18.50	13023 / 2011	13024 / 1328	2.44	1.68
18.60	13094 / 782	13095 / 99	2.49	1.89
18.70	13164 / 1601	13165 / 918	2.69	1.81
18.80	13235 / 372	13235 / 1737	2.79	1.96
18.90	13305 / 1191	13306 / 508	2.72	1.82
19.00	13375 / 2010	13376 / 1327	2.82	1.82
19.10	13446 / 781	13447 / 98	2.52	1.85
19.20	13516 / 1600	13517 / 917	3.25	1.91
19.30	13587 / 371	13587 / 1736	3.28	1.92
19.40	13657 / 1190	13658 / 507	3.10	1.92
19.50	13727 / 2009	13728 / 1326	2.73	1.89
19.60	13798 / 780	13799 / 97	2.73	1.90
19.70	13868 / 1599	13869 / 916	2.42	1.88
19.80	13939 / 370	13939 / 1735	2.61	2.18
19.90	14009 / 1189	14010 / 506	2.29	1.85
20.00	14079 / 2008	14080 / 1325	2.51	1.93
20.10	14150 / 779	14151 / 96	2.25	1.73
20.20	14220 / 1598	14221 / 915	2.36	1.76
20.30	14291 / 369	14291 / 1734	2.64	1.75
20.40	14361 / 1188	14362 / 505	2.37	2.02
20.50	14431 / 2007	14432 / 1324	2.32	1.73
20.60	14502 / 778	14503 / 95	2.27	2.01
20.70	14572 / 1597	14573 / 914	2.36	1.66
20.80	14643 / 368	14643 / 1733	2.41	1.74
20.90	14713 / 1187	14714 / 504	2.34	1.91
21.00	14783 / 2006	14784 / 1323	2.45	1.83
21.10	14854 / 777	14855 / 94	2.72	1.88
21.20	14924 / 1596	14925 / 913	2.22	1.68

21.30	14995 / 367	14995 / 1732	2.36	1.73
21.40	15065 / 1186	15066 / 503	2.88	2.03
21.50	15135 / 2005	15136 / 1322	1.61	1.37
21.60	15206 / 776	15207 / 93	2.51	2.00
21.70	15276 / 1595	15277 / 912	2.64	1.93
21.80	15347 / 366	15347 / 1731	2.66	1.86
21.90	15417 / 1185	15418 / 502	2.55	2.39
22.00	15487 / 2004	15488 / 1321	2.91	2.00
22.10	15558 / 775	15559 / 92	3.35	2.02
22.20	15628 / 1594	15629 / 911	2.83	2.11
22.30	15699 / 365	15699 / 1730	2.25	2.01
22.40	15769 / 1184	15770 / 501	3.16	1.85
22.50	15839 / 2003	15840 / 1320	2.61	2.54
22.60	15910 / 774	15911 / 91	2.71	1.73
22.70	15980 / 1593	15981 / 910	2.69	1.94
22.80	16051 / 364	16051 / 1729	3.02	1.92
22.90	16121 / 1183	16122 / 500	2.69	1.79
23.00	16191 / 2002	16192 / 1319	2.36	1.82
23.10	16262 / 773	16263 / 90	2.50	1.93
23.20	16332 / 1592	16333 / 909	2.53	2.52
23.30	16403 / 363	16403 / 1728	2.71	2.07
23.40	16473 / 1182	16474 / 499	2.60	2.35
23.50	16543 / 2001	16544 / 1318	2.56	2.06
23.60	16614 / 772	16615 / 89	2.59	1.85
23.70	16684 / 1591	16685 / 908	2.33	2.18
23.80	16755 / 362	16755 / 1727	2.79	1.87
23.90	16825 / 1181	16826 / 498	3.10	1.84
24.00	16895 / 2000	16896 / 1317	3.28	1.97
24.10	16966 / 771	16967 / 88	3.72	1.83
24.20	17036 / 1590	17037 / 907	3.02	2.20
24.30	17107 / 361	17107 / 1726	3.29	1.94
24.40	17177 / 1180	17178 / 497	3.04	1.98
24.50	17247 / 1999	17248 / 1316	3.11	2.02
24.60	17318 / 770	17319 / 87	3.02	1.91
24.70	17388 / 1589	17389 / 906	3.85	2.08
24.80	17459 / 360	17459 / 1725	2.93	1.88
24.90	17529 / 1179	17530 / 496	2.93	1.80
25.00	17599 / 1998	17600 / 1315	2.65	2.09
25.10	17670 / 769	17671 / 86	2.73	2.14
25.20	17740 / 1588	17741 / 905	2.78	1.83
25.30	17811 / 359	17811 / 1724	2.99	1.95
25.40	17881 / 1178	17882 / 495	3.56	2.57
25.50	17951 / 1997	17952 / 1314	3.28	1.69

25.60	18022 / 768	18023 / 85	2.64	1.98
25.70	18092 / 1587	18093 / 904	2.40	1.76
25.80	18163 / 358	18163 / 1723	2.43	1.76
25.90	18233 / 1177	18234 / 494	2.75	1.73
26.00	18303 / 1996	18304 / 1313	2.47	1.81
26.10	18374 / 767	18375 / 84	2.37	1.68
26.20	18444 / 1586	18445 / 903	2.34	1.72
26.30	18515 / 357	18515 / 1722	2.64	1.84
26.40	18585 / 1176	18586 / 493	2.53	1.73
26.50	18655 / 1995	18656 / 1312	2.78	1.94
26.60	18726 / 766	18727 / 83	2.55	1.76
26.70	18796 / 1585	18797 / 902	2.58	1.71
26.80	18867 / 356	18867 / 1721	2.64	1.96
26.90	18937 / 1175	18938 / 492	2.36	1.75
27.00	19007 / 1994	19008 / 1311	2.45	1.92
27.10	19078 / 765	19079 / 82	2.52	1.82
27.20	19148 / 1584	19149 / 901	2.41	1.77
27.30	19219 / 355	19219 / 1720	2.42	1.70
27.40	19289 / 1174	19290 / 491	2.32	1.67
27.50	19359 / 1993	19360 / 1310	2.44	2.04
27.60	19430 / 764	19431 / 81	2.54	1.80
27.70	19500 / 1583	19501 / 900	2.42	1.75
27.80	19571 / 354	19571 / 1719	2.57	1.83
27.90	19641 / 1173	19642 / 490	2.29	1.64
28.00	19711 / 1992	19712 / 1309	2.28	1.82
28.10	19782 / 763	19783 / 80	2.33	1.72
28.20	19852 / 1582	19853 / 899	2.25	1.74
28.30	19923 / 353	19923 / 1718	2.20	1.76
28.40	19993 / 1172	19994 / 489	2.16	1.83
28.50	20063 / 1991	20064 / 1308	2.20	1.67
28.60	20134 / 762	20135 / 79	2.35	1.83
28.70	20204 / 1581	20205 / 898	2.33	1.83
28.80	20275 / 352	20275 / 1717	2.32	1.76
28.90	20345 / 1171	20346 / 488	2.39	1.82
29.00	20415 / 1990	20416 / 1307	2.38	1.81
29.10	20486 / 761	20487 / 78	2.50	1.68
29.20	20556 / 1580	20557 / 897	2.42	1.78
29.30	20627 / 351	20627 / 1716	2.46	1.67
29.40	20697 / 1170	20698 / 487	2.41	1.70
29.50	20767 / 1989	20768 / 1306	2.43	1.65
29.60	20838 / 760	20839 / 77	2.51	1.76
29.70	20908 / 1579	20909 / 896	2.29	1.95
29.80	20979 / 350	20979 / 1715	2.43	1.69

29.90	21049 / 1169	21050 / 486	2.42	1.68
30.00	21119 / 1988	21120 / 1305	2.34	1.65
30.10	21190 / 759	21191 / 76	2.55	1.89
30.20	21260 / 1578	21261 / 895	2.37	1.54
30.30	21331 / 349	21331 / 1714	2.35	1.70
30.40	21401 / 1168	21402 / 485	2.49	1.73
30.50	21471 / 1987	21472 / 1304	2.55	1.95
30.60	21542 / 758	21543 / 75	2.49	1.84
30.70	21612 / 1577	21613 / 894	2.59	2.31
30.80	21683 / 348	21683 / 1713	2.68	2.00
30.90	21753 / 1167	21754 / 484	2.85	2.40
31.00	21823 / 1986	21824 / 1303	3.04	2.18
31.10	21894 / 757	21895 / 74	4.20	2.59
31.20	21964 / 1576	21965 / 893	3.00	2.29
31.30	22035 / 347	22035 / 1712	2.92	1.57
31.40	22105 / 1166	22106 / 483	2.97	1.95
31.50	22175 / 1985	22176 / 1302	3.76	2.15
31.60	22246 / 756	22247 / 73	3.18	2.00
31.70	22316 / 1575	22317 / 892	3.92	2.01
31.80	22387 / 346	22387 / 1711	2.98	1.91
31.90	22457 / 1165	22458 / 482	3.02	1.91
32.00	22527 / 1984	22528 / 1301	2.94	2.07
32.10	22598 / 755	22599 / 72	2.87	2.88
32.20	22668 / 1574	22669 / 891	2.57	2.10
32.30	22739 / 345	22739 / 1710	2.23	1.85
32.40	22809 / 1164	22810 / 481	2.69	1.82
32.50	22879 / 1983	22880 / 1300	2.38	1.88
32.60	22950 / 754	22951 / 71	2.48	1.87
32.70	23020 / 1573	23021 / 890	2.31	1.73
32.80	23091 / 344	23091 / 1709	2.28	1.76
32.90	23161 / 1163	23162 / 480	2.45	1.82
33.00	23231 / 1982	23232 / 1299	2.99	2.42
33.10	23302 / 753	23303 / 70	3.38	1.90
33.20	23372 / 1572	23373 / 889	3.13	2.36
33.30	23443 / 343	23443 / 1708	2.95	2.44
33.40	23513 / 1162	23514 / 479	2.44	2.17
33.50	23583 / 1981	23584 / 1298	2.89	2.32
33.60	23654 / 752	23655 / 69	2.93	2.56
33.70	23724 / 1571	23725 / 888	2.81	1.92
33.80	23795 / 342	23795 / 1707	3.13	2.20
33.90	23865 / 1161	23866 / 478	3.59	2.37
34.00	23935 / 1980	23936 / 1297	3.29	2.05
34.10	24006 / 751	24007 / 68	2.78	1.95

34.20	24076 / 1570	24077 / 887	2.94	2.23
34.30	24147 / 341	24147 / 1706	3.00	2.12
34.40	24217 / 1160	24218 / 477	3.14	1.88
34.50	24287 / 1979	24288 / 1296	3.12	2.07
34.60	24358 / 750	24359 / 67	3.61	2.03
34.70	24428 / 1569	24429 / 886	3.16	2.52
34.80	24499 / 340	24499 / 1705	3.88	2.86
34.90	24569 / 1159	24570 / 476	3.09	2.07
35.00	24639 / 1978	24640 / 1295	3.13	2.30
35.10	24710 / 749	24711 / 66	2.55	1.85
35.20	24780 / 1568	24781 / 885	2.75	1.91
35.30	24851 / 339	24851 / 1704	2.47	2.04
35.40	24921 / 1158	24922 / 475	2.62	2.22
35.50	24991 / 1977	24992 / 1294	2.80	1.92
35.60	25062 / 748	25063 / 65	2.38	2.06
35.70	25132 / 1567	25133 / 884	2.47	1.85
35.80	25203 / 338	25203 / 1703	2.53	1.86
35.90	25273 / 1157	25274 / 474	2.55	1.93
36.00	25343 / 1976	25344 / 1293	3.21	2.43
36.10	25414 / 747	25415 / 64	2.80	2.34
36.20	25484 / 1566	25485 / 883	2.64	2.15
36.30	25555 / 337	25555 / 1702	2.91	2.30
36.40	25625 / 1156	25626 / 473	2.73	1.82
36.50	25695 / 1975	25696 / 1292	3.66	2.27
36.60	25766 / 746	25767 / 63	2.90	2.71
36.70	25836 / 1565	25837 / 882	2.86	2.05
36.80	25907 / 336	25907 / 1701	2.89	2.41
36.90	25977 / 1155	25978 / 472	2.84	2.17
37.00	26047 / 1974	26048 / 1291	2.56	2.56
37.10	26118 / 745	26119 / 62	2.63	2.36
37.20	26188 / 1564	26189 / 881	2.58	1.83
37.30	26259 / 335	26259 / 1700	3.17	2.10
37.40	26329 / 1154	26330 / 471	2.92	1.91
37.50	26399 / 1973	26400 / 1290	2.17	2.73
37.60	26470 / 744	26471 / 61	2.82	1.94
37.70	26540 / 1563	26541 / 880	3.02	2.14
37.80	26611 / 334	26611 / 1699	2.76	2.08
37.90	26681 / 1153	26682 / 470	3.23	1.90
38.00	26751 / 1972	26752 / 1289	3.04	1.67
38.10	26822 / 743	26823 / 60	2.83	1.82
38.20	26892 / 1562	26893 / 879	3.00	1.91
38.30	26963 / 333	26963 / 1698	2.77	2.49
38.40	27033 / 1152	27034 / 469	3.30	2.04

38.50	27103 / 1971	27104 / 1288	1.48	1.73
38.60	27174 / 742	27175 / 59	2.58	1.97
38.70	27244 / 1561	27245 / 878	2.61	1.97
38.80	27315 / 332	27315 / 1697	2.81	2.11
38.90	27385 / 1151	27386 / 468	2.96	2.16
39.00	27455 / 1970	27456 / 1287	2.27	2.00
39.10	27526 / 741	27527 / 58	2.55	1.84
39.20	27596 / 1560	27597 / 877	2.63	2.05
39.30	27667 / 331	27667 / 1696	2.39	2.17
39.40	27737 / 1150	27738 / 467	2.42	2.17
39.50	27807 / 1969	27808 / 1286	2.62	1.76
39.60	27878 / 740	27879 / 57	2.79	1.68
39.70	27948 / 1559	27949 / 876	2.27	1.92
39.80	28019 / 330	28019 / 1695	2.78	2.31
39.90	28089 / 1149	28090 / 466	3.07	1.80
40.00	28159 / 1968	28160 / 1285	2.48	1.96
40.10	28230 / 739	28231 / 56	2.63	1.99
40.20	28300 / 1558	28301 / 875	2.51	2.05
40.30	28371 / 329	28371 / 1694	3.07	1.80
40.40	28441 / 1148	28442 / 465	2.69	1.84
40.50	28511 / 1967	28512 / 1284	2.28	1.70
40.60	28582 / 738	28583 / 55	2.74	1.95
40.70	28652 / 1557	28653 / 874	2.27	1.79
40.80	28723 / 328	28723 / 1693	2.28	1.71
40.90	28793 / 1147	28794 / 464	2.25	1.78
41.00	28863 / 1966	28864 / 1283	2.56	2.20
41.10	28934 / 737	28935 / 54	2.21	2.03
41.20	29004 / 1556	29005 / 873	2.25	1.87
41.30	29075 / 327	29075 / 1692	2.07	1.66
41.40	29145 / 1146	29146 / 463	2.26	2.18
41.50	29215 / 1965	29216 / 1282	2.86	2.21
41.60	29286 / 736	29287 / 53	2.29	1.93
41.70	29356 / 1555	29357 / 872	2.14	1.78
41.80	29427 / 326	29427 / 1691	2.43	2.30
41.90	29497 / 1145	29498 / 462	2.49	2.54
42.00	29567 / 1964	29568 / 1281	2.18	1.79
42.10	29638 / 735	29639 / 52	2.25	2.12
42.20	29708 / 1554	29709 / 871	2.18	2.35
42.30	29779 / 325	29779 / 1690	2.60	2.27
42.40	29849 / 1144	29850 / 461	2.42	2.09
42.50	29919 / 1963	29920 / 1280	2.25	1.81
42.60	29990 / 734	29991 / 51	2.30	2.00
42.70	30060 / 1553	30061 / 870	2.46	2.26

42.80	30131 / 324	30131 / 1689	2.56	2.14
42.90	30201 / 1143	30202 / 460	1.54	1.56
43.00	30271 / 1962	30272 / 1279	1.71	1.23
43.10	30342 / 733	30343 / 50	1.69	1.39
43.20	30412 / 1552	30413 / 869	1.95	1.57
43.30	30483 / 323	30483 / 1688	2.10	1.65
43.40	30553 / 1142	30554 / 459	1.86	1.88
43.50	30623 / 1961	30624 / 1278	1.67	2.20
43.60	30694 / 732	30695 / 49	2.04	1.55
43.70	30764 / 1551	30765 / 868	2.45	1.71
43.80	30835 / 322	30835 / 1687	1.64	1.40
43.90	30905 / 1141	30906 / 458	1.81	1.43
44.00	30975 / 1960	30976 / 1277	1.74	1.28
44.10	31046 / 731	31047 / 48	1.21	1.01
44.20	31116 / 1550	31117 / 867	1.73	1.25
44.30	31187 / 321	31187 / 1686	2.12	1.54
44.40	31257 / 1140	31258 / 457	1.95	1.61
44.50	31327 / 1959	31328 / 1276	1.86	1.74
44.60	31398 / 730	31399 / 47	1.94	1.71
44.70	31468 / 1549	31469 / 866	2.14	1.81
44.80	31539 / 320	31539 / 1685	2.55	2.15
44.90	31609 / 1139	31610 / 456	1.87	1.81
45.00	31679 / 1958	31680 / 1275	2.08	2.30
45.10	31750 / 729	31751 / 46	2.28	2.78
45.20	31820 / 1548	31821 / 865	1.85	2.69
45.30	31891 / 319	31891 / 1684	2.21	2.18
45.40	31961 / 1138	31962 / 455	1.93	1.96
45.50	32031 / 1957	32032 / 1274	1.84	1.85
45.60	32102 / 728	32103 / 45	2.29	2.66
45.70	32172 / 1547	32173 / 864	1.75	1.77
45.80	32243 / 318	32243 / 1683	1.84	1.27
45.90	32313 / 1137	32314 / 454	1.20	0.91
46.00	32383 / 1956	32384 / 1273	1.85	2.47
46.10	32454 / 727	32455 / 44	1.67	1.18
46.20	32524 / 1546	32525 / 863	1.56	1.34
46.30	32595 / 317	32595 / 1682	1.51	1.61
46.40	32665 / 1136	32666 / 453	2.03	1.51
46.50	32735 / 1955	32736 / 1272	1.50	1.24
46.60	32806 / 726	32807 / 43	1.41	1.18
46.70	32876 / 1545	32877 / 862	1.43	1.22
46.80	32947 / 316	32947 / 1681	1.51	1.46
46.90	33017 / 1135	33018 / 452	1.53	1.31
47.00	33087 / 1954	33088 / 1271	1.49	1.38

47.10	33158 / 725	33159 / 42	1.67	1.38
47.20	33228 / 1544	33229 / 861	1.67	1.35
47.30	33299 / 315	33299 / 1680	1.84	1.46
47.40	33369 / 1134	33370 / 451	1.66	1.39
47.50	33439 / 1953	33440 / 1270	1.65	1.32
47.60	33510 / 724	33511 / 41	1.66	1.15
47.70	33580 / 1543	33581 / 860	1.52	1.09
47.80	33651 / 314	33651 / 1679	1.59	1.20
47.90	33721 / 1133	33722 / 450	1.87	1.31
48.00	33791 / 1952	33792 / 1269	1.79	1.33
48.10	33862 / 723	33863 / 40	1.86	1.44
48.20	33932 / 1542	33933 / 859	2.36	1.53
48.30	34003 / 313	34003 / 1678	2.10	1.40
48.40	34073 / 1132	34074 / 449	1.81	1.76
48.50	34143 / 1951	34144 / 1268	1.59	1.46
48.60	34214 / 722	34215 / 39	1.80	1.52
48.70	34284 / 1541	34285 / 858	1.92	1.62
48.80	34355 / 312	34355 / 1677	1.73	1.44
48.90	34425 / 1131	34426 / 448	1.88	1.56
49.00	34495 / 1950	34496 / 1267	1.70	1.28
49.10	34566 / 721	34567 / 38	1.74	1.41
49.20	34636 / 1540	34637 / 857	2.00	1.50
49.30	34707 / 311	34707 / 1676	1.83	1.38
49.40	34777 / 1130	34778 / 447	1.87	1.42
49.50	34847 / 1949	34848 / 1266	1.27	1.36
49.60	34918 / 720	34919 / 37	2.05	2.60
49.70	34988 / 1539	34989 / 856	2.27	2.17
49.80	35059 / 310	35059 / 1675	2.51	2.57
49.90	35129 / 1129	35130 / 446	2.42	2.32
50.00	35199 / 1948	35200 / 1265	2.66	1.99
50.10	35270 / 719	35271 / 36	2.80	3.49
50.20	35340 / 1538	35341 / 855	2.56	1.82
50.30	35411 / 309	35411 / 1674	2.85	2.66
50.40	35481 / 1128	35482 / 445	3.09	2.67
50.50	35551 / 1947	35552 / 1264	3.49	2.31
50.60	35622 / 718	35623 / 35	2.98	1.98
50.70	35692 / 1537	35693 / 854	2.89	2.23
50.80	35763 / 308	35763 / 1673	3.26	2.10
50.90	35833 / 1127	35834 / 444	2.68	2.10
51.00	35903 / 1946	35904 / 1263	2.66	1.85
51.10	35974 / 717	35975 / 34	2.73	2.09
51.20	36044 / 1536	36045 / 853	2.63	2.12
51.30	36115 / 307	36115 / 1672	2.35	2.12

51.40	36185 / 1126	36186 / 443	3.10	1.96
51.50	36255 / 1945	36256 / 1262	2.81	2.03
51.60	36326 / 716	36327 / 33	3.20	1.99
51.70	36396 / 1535	36397 / 852	3.18	1.90
51.80	36467 / 306	36467 / 1671	2.83	1.86
51.90	36537 / 1125	36538 / 442	2.86	1.73
52.00	36607 / 1944	36608 / 1261	2.26	1.90
52.10	36678 / 715	36679 / 32	2.72	2.05
52.20	36748 / 1534	36749 / 851	2.80	1.87
52.30	36819 / 305	36819 / 1670	2.75	1.81
52.40	36889 / 1124	36890 / 441	2.83	1.77
52.50	36959 / 1943	36960 / 1260	2.31	2.37
52.60	37030 / 714	37031 / 31	2.27	2.54
52.70	37100 / 1533	37101 / 850	2.01	1.76
52.80	37171 / 304	37171 / 1669	2.28	1.77
52.90	37241 / 1123	37242 / 440	2.24	1.93
53.00	37311 / 1942	37312 / 1259	2.22	1.97
53.10	37382 / 713	37383 / 30	2.31	1.99
53.20	37452 / 1532	37453 / 849	2.24	2.38
53.30	37523 / 303	37523 / 1668	2.12	1.94
53.40	37593 / 1122	37594 / 439	2.92	1.91
53.50	37663 / 1941	37664 / 1258	2.47	2.25
53.60	37734 / 712	37735 / 29	2.27	1.97
53.70	37804 / 1531	37805 / 848	2.60	2.11
53.80	37875 / 302	37875 / 1667	2.54	1.85
53.90	37945 / 1121	37946 / 438	2.32	2.12
54.00	38015 / 1940	38016 / 1257	2.50	3.05
54.10	38086 / 711	38087 / 28	2.38	2.00
54.20	38156 / 1530	38157 / 847	2.65	1.78
54.30	38227 / 301	38227 / 1666	2.25	1.85
54.40	38297 / 1120	38298 / 437	2.26	1.98
54.50	38367 / 1939	38368 / 1256	2.43	1.79
54.60	38438 / 710	38439 / 27	2.18	1.80
54.70	38508 / 1529	38509 / 846	2.49	2.22
54.80	38579 / 300	38579 / 1665	2.37	2.06
54.90	38649 / 1119	38650 / 436	3.99	2.06
55.00	38719 / 1938	38720 / 1255	3.35	2.22
55.10	38790 / 709	38791 / 26	3.40	2.46
55.20	38860 / 1528	38861 / 845	3.72	2.97
55.30	38931 / 299	38931 / 1664	3.15	3.04
55.40	39001 / 1118	39002 / 435	2.48	2.82
55.50	39071 / 1937	39072 / 1254	2.74	1.76
55.60	39142 / 708	39143 / 25	3.10	2.52

55.70	39212 / 1527	39213 / 844	2.77	2.15
55.80	39283 / 298	39283 / 1663	2.58	1.83
55.90	39353 / 1117	39354 / 434	1.37	1.48
56.00	39423 / 1936	39424 / 1253	2.37	2.55
56.10	39494 / 707	39495 / 24	2.32	1.99
56.20	39564 / 1526	39565 / 843	2.64	1.77
56.30	39635 / 297	39635 / 1662	2.47	1.83
56.40	39705 / 1116	39706 / 433	3.48	2.65
56.50	39775 / 1935	39776 / 1252	2.36	1.73
56.60	39846 / 706	39847 / 23	2.65	1.76
56.70	39916 / 1525	39917 / 842	1.58	1.91
56.80	39987 / 296	39987 / 1661	1.56	1.69
56.90	40057 / 1115	40058 / 432	3.09	1.68
57.00	40127 / 1934	40128 / 1251	4.35	1.77
57.10	40198 / 705	40199 / 22	5.87	1.70
57.20	40268 / 1524	40269 / 841	3.30	1.77
57.30	40339 / 295	40339 / 1660	2.73	2.00
57.40	40409 / 1114	40410 / 431	2.25	1.87
57.50	40479 / 1933	40480 / 1250	3.04	2.40
57.60	40550 / 704	40551 / 21	2.38	1.81
57.70	40620 / 1523	40621 / 840	2.80	2.30
57.80	40691 / 294	40691 / 1659	2.62	2.15
57.90	40761 / 1113	40762 / 430	2.81	2.22
58.00	40831 / 1932	40832 / 1249	2.99	2.86
58.10	40902 / 703	40903 / 20	2.31	1.89
58.20	40972 / 1522	40973 / 839	2.97	2.64
58.30	41043 / 293	41043 / 1658	2.43	1.80
58.40	41113 / 1112	41114 / 429	2.89	2.51
58.50	41183 / 1931	41184 / 1248	2.96	2.10
58.60	41254 / 702	41255 / 19	2.63	1.97
58.70	41324 / 1521	41325 / 838	2.97	2.02
58.80	41395 / 292	41395 / 1657	2.35	1.89
58.90	41465 / 1111	41466 / 428	3.08	1.74
59.00	41535 / 1930	41536 / 1247	2.87	1.89
59.10	41606 / 701	41607 / 18	3.38	1.94
59.20	41676 / 1520	41677 / 837	3.14	2.15
59.30	41747 / 291	41747 / 1656	3.42	2.44
59.40	41817 / 1110	41818 / 427	2.75	1.94
59.50	41887 / 1929	41888 / 1246	2.77	2.39
59.60	41958 / 700	41959 / 17	2.61	1.84
59.70	42028 / 1519	42029 / 836	3.23	1.57
59.80	42099 / 290	42099 / 1655	3.00	1.82
59.90	42169 / 1109	42170 / 426	2.96	1.99

60.00	42239 / 1928	42240 / 1245	2.44	1.78
60.10	42310 / 699	42311 / 16	3.04	2.26
60.20	42380 / 1518	42381 / 835	2.80	2.27
60.30	42451 / 289	42451 / 1654	2.47	1.95
60.40	42521 / 1108	42522 / 425	2.61	2.34
60.50	42591 / 1927	42592 / 1244	4.47	2.51
60.60	42662 / 698	42663 / 15	3.20	2.93
60.70	42732 / 1517	42733 / 834	3.25	2.38
60.80	42803 / 288	42803 / 1653	3.87	2.82
60.90	42873 / 1107	42874 / 424	3.58	2.94
61.00	42943 / 1926	42944 / 1243	3.20	2.42
61.10	43014 / 697	43015 / 14	4.21	2.83
61.20	43084 / 1516	43085 / 833	2.91	3.58
61.30	43155 / 287	43155 / 1652	3.01	3.48
61.40	43225 / 1106	43226 / 423	3.13	2.53
61.50	43295 / 1925	43296 / 1242	3.13	2.36
61.60	43366 / 696	43367 / 13	3.05	1.91
61.70	43436 / 1515	43437 / 832	2.73	2.08
61.80	43507 / 286	43507 / 1651	2.76	2.08
61.90	43577 / 1105	43578 / 422	3.60	3.20
62.00	43647 / 1924	43648 / 1241	2.93	1.95
62.10	43718 / 695	43719 / 12	2.68	2.09
62.20	43788 / 1514	43789 / 831	2.84	2.16
62.30	43859 / 285	43859 / 1650	2.54	2.13
62.40	43929 / 1104	43930 / 421	2.11	1.69
62.50	43999 / 1923	44000 / 1240	2.34	1.84
62.60	44070 / 694	44071 / 11	2.08	1.56
62.70	44140 / 1513	44141 / 830	1.27	1.10
62.80	44211 / 284	44211 / 1649	1.19	0.95
62.90	44281 / 1103	44282 / 420	1.41	1.20
63.00	44351 / 1922	44352 / 1239	1.32	1.29
63.10	44422 / 693	44423 / 10	1.45	1.37
63.20	44492 / 1512	44493 / 829	1.72	1.55
63.30	44563 / 283	44563 / 1648	2.13	3.98
63.40	44633 / 1102	44634 / 419	1.63	2.32
63.50	44703 / 1921	44704 / 1238	1.57	1.41
63.60	44774 / 692	44775 / 9	1.46	1.86
63.70	44844 / 1511	44845 / 828	1.55	1.64
63.80	44915 / 282	44915 / 1647	1.54	1.34
63.90	44985 / 1101	44986 / 418	2.07	2.09
64.00	45055 / 1920	45056 / 1237	1.31	1.40
64.10	45126 / 691	45127 / 8	1.72	1.96
64.20	45196 / 1510	45197 / 827	1.40	1.35

64.30	45267 / 281	45267 / 1646	2.39	1.91
64.40	45337 / 1100	45338 / 417	1.44	1.21
64.50	45407 / 1919	45408 / 1236	1.38	1.40
64.60	45478 / 690	45479 / 7	1.78	1.42
64.70	45548 / 1509	45549 / 826	1.99	1.93
64.80	45619 / 280	45619 / 1645	1.29	1.88
64.90	45689 / 1099	45690 / 416	1.27	1.45
65.00	45759 / 1918	45760 / 1235	1.71	1.18
65.10	45830 / 689	45831 / 6	1.86	1.71
65.20	45900 / 1508	45901 / 825	1.12	1.16
65.30	45971 / 279	45971 / 1644	1.50	1.38
65.40	46041 / 1098	46042 / 415	1.85	1.41
65.50	46111 / 1917	46112 / 1234	1.50	1.14
65.60	46182 / 688	46183 / 5	1.21	1.18
65.70	46252 / 1507	46253 / 824	1.35	1.76
65.80	46323 / 278	46323 / 1643	1.18	1.17
65.90	46393 / 1097	46394 / 414	1.16	1.13
66.00	46463 / 1916	46464 / 1233	1.31	1.13
66.10	46534 / 687	46535 / 4	1.69	1.49
66.20	46604 / 1506	46605 / 823	1.40	1.35
66.30	46675 / 277	46675 / 1642	1.24	1.01
66.40	46745 / 1096	46746 / 413	1.42	1.63
66.50	46815 / 1915	46816 / 1232	2.08	1.41
66.60	46886 / 686	46887 / 3	1.31	0.97
66.70	46956 / 1505	46957 / 822	1.35	1.14
66.80	47027 / 276	47027 / 1641	1.45	1.41
66.90	47097 / 1095	47098 / 412	1.61	1.12
67.00	47167 / 1914	47168 / 1231	1.28	1.85
67.10	47238 / 685	47239 / 2	1.40	2.21
67.20	47308 / 1504	47309 / 821	1.25	1.11
67.30	47379 / 275	47379 / 1640	1.45	2.34
67.40	47449 / 1094	47450 / 411	1.82	1.78
67.50	47519 / 1913	47520 / 1230	1.66	1.83
67.60	47590 / 684	47591 / 1	1.62	2.71
67.70	47660 / 1503	47661 / 820	1.33	1.51
67.80	47731 / 274	47731 / 1639	1.44	1.64
67.90	47801 / 1093	47802 / 410	1.67	1.70
68.00	47871 / 1912	47872 / 1229	1.29	1.22
68.10	47942 / 683	47943 / 0	1.38	1.17
68.20	48012 / 1502	48013 / 819	1.72	1.65
68.30	48083 / 273	48083 / 1638	1.69	1.57
68.40	48153 / 1092	48154 / 409	1.63	1.50
68.50	48223 / 1911	48224 / 1228	1.42	1.36

68.60	48294 / 682	48294 / 2047	1.32	1.38
68.70	48364 / 1501	48365 / 818	1.29	1.27
68.80	48435 / 272	48435 / 1637	1.32	1.35
68.90	48505 / 1091	48506 / 408	1.51	1.39
69.00	48575 / 1910	48576 / 1227	1.70	1.80
69.10	48646 / 681	48646 / 2046	1.29	2.13
69.20	48716 / 1500	48717 / 817	1.25	1.33
69.30	48787 / 271	48787 / 1636	1.48	1.43
69.40	48857 / 1090	48858 / 407	1.36	1.16
69.50	48927 / 1909	48928 / 1226	1.30	1.34
69.60	48998 / 680	48998 / 2045	1.23	1.12
69.70	49068 / 1499	49069 / 816	1.59	2.31
69.80	49139 / 270	49139 / 1635	1.68	1.98
69.90	49209 / 1089	49210 / 406	1.52	1.27
70.00	49279 / 1908	49280 / 1225	1.56	1.50
70.10	49350 / 679	49350 / 2044	2.01	2.01
70.20	49420 / 1498	49421 / 815	1.30	1.17
70.30	49491 / 269	49491 / 1634	1.30	1.21
70.40	49561 / 1088	49562 / 405	1.21	1.85
70.50	49631 / 1907	49632 / 1224	1.69	1.51
70.60	49702 / 678	49702 / 2043	1.33	1.16
70.70	49772 / 1497	49773 / 814	1.62	1.46
70.80	49843 / 268	49843 / 1633	1.35	1.22
70.90	49913 / 1087	49914 / 404	1.39	1.57
71.00	49983 / 1906	49984 / 1223	1.63	2.58
71.10	50054 / 677	50054 / 2042	2.16	2.32
71.20	50124 / 1496	50125 / 813	2.18	1.75
71.30	50195 / 267	50195 / 1632	1.94	1.57
71.40	50265 / 1086	50266 / 403	1.35	1.32
71.50	50335 / 1905	50336 / 1222	1.22	1.14
71.60	50406 / 676	50406 / 2041	1.25	1.11
71.70	50476 / 1495	50477 / 812	1.51	1.43
71.80	50547 / 266	50547 / 1631	1.64	1.66
71.90	50617 / 1085	50618 / 402	1.61	1.52
72.00	50687 / 1904	50688 / 1221	1.52	1.40
72.10	50758 / 675	50758 / 2040	1.96	1.66
72.20	50828 / 1494	50829 / 811	1.78	1.43
72.30	50899 / 265	50899 / 1630	1.90	1.83
72.40	50969 / 1084	50970 / 401	1.67	1.30
72.50	51039 / 1903	51040 / 1220	1.44	1.40
72.60	51110 / 674	51110 / 2039	1.59	1.41
72.70	51180 / 1493	51181 / 810	1.88	1.40
72.80	51251 / 264	51251 / 1629	1.84	1.69

72.90	51321 / 1083	51322 / 400	2.04	1.59
73.00	51391 / 1902	51392 / 1219	2.55	1.93
73.10	51462 / 673	51462 / 2038	2.30	1.63
73.20	51532 / 1492	51533 / 809	2.78	2.78
73.30	51603 / 263	51603 / 1628	2.71	2.16
73.40	51673 / 1082	51674 / 399	2.69	2.30
73.50	51743 / 1901	51744 / 1218	2.82	1.75
73.60	51814 / 672	51814 / 2037	3.11	1.74
73.70	51884 / 1491	51885 / 808	2.35	1.92
73.80	51955 / 262	51955 / 1627	2.62	1.67
73.90	52025 / 1081	52026 / 398	2.83	2.17
74.00	52095 / 1900	52096 / 1217	2.75	2.37
74.10	52166 / 671	52166 / 2036	3.18	1.82
74.20	52236 / 1490	52237 / 807	2.93	2.20
74.30	52307 / 261	52307 / 1626	3.14	1.87
74.40	52377 / 1080	52378 / 397	2.39	2.27
74.50	52447 / 1899	52448 / 1216	3.28	2.15
74.60	52518 / 670	52518 / 2035	2.93	1.77
74.70	52588 / 1489	52589 / 806	2.94	1.82
74.80	52659 / 260	52659 / 1625	2.82	1.86
74.90	52729 / 1079	52730 / 396	3.24	1.98
75.00	52799 / 1898	52800 / 1215	2.74	1.97
75.10	52870 / 669	52870 / 2034	2.26	2.12
75.20	52940 / 1488	52941 / 805	3.25	2.10
75.30	53011 / 259	53011 / 1624	3.17	1.65
75.40	53081 / 1078	53082 / 395	3.01	1.68
75.50	53151 / 1897	53152 / 1214	2.75	1.69
75.60	53222 / 668	53222 / 2033	2.90	2.15
75.70	53292 / 1487	53293 / 804	2.90	1.68
75.80	53363 / 258	53363 / 1623	3.10	1.73
75.90	53433 / 1077	53434 / 394	2.81	1.85
76.00	53503 / 1896	53504 / 1213	2.39	1.59
76.10	53574 / 667	53574 / 2032	2.75	1.68
76.20	53644 / 1486	53645 / 803	2.54	1.79
76.30	53715 / 257	53715 / 1622	2.61	1.96
76.40	53785 / 1076	53786 / 393	2.15	1.55
76.50	53855 / 1895	53856 / 1212	2.27	1.88
76.60	53926 / 666	53926 / 2031	2.28	1.76
76.70	53996 / 1485	53997 / 802	2.23	1.75
76.80	54067 / 256	54067 / 1621	2.25	1.66
76.90	54137 / 1075	54138 / 392	2.25	2.05
77.00	54207 / 1894	54208 / 1211	2.41	1.86
77.10	54278 / 665	54278 / 2030	2.36	1.52

77.20	54348 / 1484	54349 / 801	2.50	1.76
77.30	54419 / 255	54419 / 1620	2.35	1.74
77.40	54489 / 1074	54490 / 391	2.29	1.65
77.50	54559 / 1893	54560 / 1210	2.37	1.85
77.60	54630 / 664	54630 / 2029	2.01	1.65
77.70	54700 / 1483	54701 / 800	3.41	2.16
77.80	54771 / 254	54771 / 1619	2.06	1.56
77.90	54841 / 1073	54842 / 390	2.14	1.72
78.00	54911 / 1892	54912 / 1209	2.12	1.69
78.10	54982 / 663	54982 / 2028	2.47	1.76
78.20	55052 / 1482	55053 / 799	2.23	1.57
78.30	55123 / 253	55123 / 1618	2.16	1.54
78.40	55193 / 1072	55194 / 389	2.14	1.74
78.50	55263 / 1891	55264 / 1208	2.52	1.95
78.60	55334 / 662	55334 / 2027	2.32	2.47
78.70	55404 / 1481	55405 / 798	2.23	1.69
78.80	55475 / 252	55475 / 1617	2.21	1.70
78.90	55545 / 1071	55546 / 388	2.13	1.77
79.00	55615 / 1890	55616 / 1207	2.52	1.53
79.10	55686 / 661	55686 / 2026	3.29	2.39
79.20	55756 / 1480	55757 / 797	2.76	1.62
79.30	55827 / 251	55827 / 1616	2.66	1.55
79.40	55897 / 1070	55898 / 387	2.75	1.60
79.50	55967 / 1889	55968 / 1206	2.38	1.61
79.60	56038 / 660	56038 / 2025	2.31	1.52
79.70	56108 / 1479	56109 / 796	2.24	1.58
79.80	56179 / 250	56179 / 1615	2.37	1.59
79.90	56249 / 1069	56250 / 386	2.13	2.36
80.00	56319 / 1888	56320 / 1205	2.36	1.60
80.10	56390 / 659	56390 / 2024	4.34	2.47
80.20	56460 / 1478	56461 / 795	2.80	1.74
80.30	56531 / 249	56531 / 1614	2.12	1.64
80.40	56601 / 1068	56602 / 385	2.08	1.63
80.50	56671 / 1887	56672 / 1204	2.28	1.66
80.60	56742 / 658	56742 / 2023	2.23	1.55
80.70	56812 / 1477	56813 / 794	2.23	1.58
80.80	56883 / 248	56883 / 1613	1.97	1.55
80.90	56953 / 1067	56954 / 384	2.10	1.50
81.00	57023 / 1886	57024 / 1203	2.10	1.51
81.10	57094 / 657	57094 / 2022	2.19	1.47
81.20	57164 / 1476	57165 / 793	2.67	1.57
81.30	57235 / 247	57235 / 1612	2.75	1.45
81.40	57305 / 1066	57306 / 383	2.61	1.42

81.50	57375 / 1885	57376 / 1202	2.25	1.58
81.60	57446 / 656	57446 / 2021	2.26	1.44
81.70	57516 / 1475	57517 / 792	2.88	1.51
81.80	57587 / 246	57587 / 1611	2.34	1.52
81.90	57657 / 1065	57658 / 382	2.39	1.58
82.00	57727 / 1884	57728 / 1201	2.36	1.69
82.10	57798 / 655	57798 / 2020	2.64	2.23
82.20	57868 / 1474	57869 / 791	2.78	1.80
82.30	57939 / 245	57939 / 1610	2.71	1.61
82.40	58009 / 1064	58010 / 381	2.75	1.51
82.50	58079 / 1883	58080 / 1200	2.83	1.56
82.60	58150 / 654	58150 / 2019	3.08	1.82
82.70	58220 / 1473	58221 / 790	2.87	1.59
82.80	58291 / 244	58291 / 1609	2.93	1.68
82.90	58361 / 1063	58362 / 380	2.33	1.65
83.00	58431 / 1882	58432 / 1199	2.84	1.64
83.10	58502 / 653	58502 / 2018	3.19	1.63
83.20	58572 / 1472	58573 / 789	4.12	1.90
83.30	58643 / 243	58643 / 1608	3.53	2.00
83.40	58713 / 1062	58714 / 379	3.65	1.83
83.50	58783 / 1881	58784 / 1198	3.61	1.79
83.60	58854 / 652	58854 / 2017	3.95	1.58
83.70	58924 / 1471	58925 / 788	3.48	1.63
83.80	58995 / 242	58995 / 1607	3.89	1.98
83.90	59065 / 1061	59066 / 378	2.85	1.87
84.00	59135 / 1880	59136 / 1197	2.42	1.84
84.10	59206 / 651	59206 / 2016	2.92	1.80
84.20	59276 / 1470	59277 / 787	2.85	2.30
84.30	59347 / 241	59347 / 1606	2.74	1.77
84.40	59417 / 1060	59418 / 377	3.06	1.57
84.50	59487 / 1879	59488 / 1196	3.11	1.68
84.60	59558 / 650	59558 / 2015	2.82	1.83
84.70	59628 / 1469	59629 / 786	3.20	1.67
84.80	59699 / 240	59699 / 1605	3.02	1.65
84.90	59769 / 1059	59770 / 376	2.80	1.74
85.00	59839 / 1878	59840 / 1195	3.15	1.83
85.10	59910 / 649	59910 / 2014	3.27	1.88
85.20	59980 / 1468	59981 / 785	3.05	1.63
85.30	60051 / 239	60051 / 1604	2.74	1.60
85.40	60121 / 1058	60122 / 375	2.27	1.77
85.50	60191 / 1877	60192 / 1194	2.12	1.76
85.60	60262 / 648	60262 / 2013	2.27	1.61
85.70	60332 / 1467	60333 / 784	2.27	1.71

85.80	60403 / 238	60403 / 1603	2.18	1.99
85.90	60473 / 1057	60474 / 374	2.90	1.72
86.00	60543 / 1876	60544 / 1193	2.42	1.66
86.10	60614 / 647	60614 / 2012	2.48	1.80
86.20	60684 / 1466	60685 / 783	2.76	1.82
86.30	60755 / 237	60755 / 1602	2.87	1.80
86.40	60825 / 1056	60826 / 373	2.70	1.86
86.50	60895 / 1875	60896 / 1192	2.85	1.77
86.60	60966 / 646	60966 / 2011	3.60	1.92
86.70	61036 / 1465	61037 / 782	2.45	1.82
86.80	61107 / 236	61107 / 1601	2.43	1.74
86.90	61177 / 1055	61178 / 372	2.19	1.73
87.00	61247 / 1874	61248 / 1191	2.48	1.53
87.10	61318 / 645	61318 / 2010	2.22	1.54
87.20	61388 / 1464	61389 / 781	2.37	1.52
87.30	61459 / 235	61459 / 1600	2.47	1.62
87.40	61529 / 1054	61530 / 371	2.34	1.66
87.50	61599 / 1873	61600 / 1190	2.54	1.65
87.60	61670 / 644	61670 / 2009	2.41	1.65
87.70	61740 / 1463	61741 / 780	2.31	1.74
87.80	61811 / 234	61811 / 1599	2.36	1.65
87.90	61881 / 1053	61882 / 370	2.20	1.58
88.00	61951 / 1872	61952 / 1189	2.17	1.59
88.10	62022 / 643	62022 / 2008	7.23	2.80
88.20	62092 / 1462	62093 / 779	6.91	2.08
88.30	62163 / 233	62163 / 1598	7.35	2.57
88.40	62233 / 1052	62234 / 369	5.97	2.12
88.50	62303 / 1871	62304 / 1188	5.97	2.12
88.60	62374 / 642	62374 / 2007	6.61	1.99
88.70	62444 / 1461	62445 / 778	6.36	2.07
88.80	62515 / 232	62515 / 1597	6.19	1.83
88.90	62585 / 1051	62586 / 368	7.28	1.98
89.00	62655 / 1870	62656 / 1187	3.92	2.07
89.10	62726 / 641	62726 / 2006	7.56	2.29
89.20	62796 / 1460	62797 / 777	7.03	2.10
89.30	62867 / 231	62867 / 1596	7.44	2.19
89.40	62937 / 1050	62938 / 367	7.43	2.17
89.50	63007 / 1869	63008 / 1186	7.35	1.88
89.60	63078 / 640	63078 / 2005	6.34	2.01
89.70	63148 / 1459	63149 / 776	6.45	1.99
89.80	63219 / 230	63219 / 1595	6.41	2.05
89.90	63289 / 1049	63290 / 366	7.19	2.28
90.00	63359 / 1868	63360 / 1185	7.10	1.86

90.10	63430 / 639	63430 / 2004	7.01	2.03
90.20	63500 / 1458	63501 / 775	6.81	1.97
90.30	63571 / 229	63571 / 1594	6.82	1.93
90.40	63641 / 1048	63642 / 365	5.67	2.03
90.50	63711 / 1867	63712 / 1184	5.57	2.15
90.60	63782 / 638	63782 / 2003	5.57	2.05
90.70	63852 / 1457	63853 / 774	5.91	2.10
90.80	63923 / 228	63923 / 1593	6.27	2.74
90.90	63993 / 1047	63994 / 364	5.99	1.93
91.00	64063 / 1866	64064 / 1183	7.40	2.04
91.10	64134 / 637	64134 / 2002	6.78	1.90
91.20	64204 / 1456	64205 / 773	7.16	1.88
91.30	64275 / 227	64275 / 1592	6.52	2.06
91.40	64345 / 1046	64346 / 363	3.94	1.93
91.50	64415 / 1865	64416 / 1182	6.89	2.07
91.60	64486 / 636	64486 / 2001	7.18	2.05
91.70	64556 / 1455	64557 / 772	7.96	2.70
91.80	64627 / 226	64627 / 1591	7.20	2.05
91.90	64697 / 1045	64698 / 362	7.18	2.06
92.00	64767 / 1864	64768 / 1181	6.66	2.07
92.10	64838 / 635	64838 / 2000	3.14	2.04
92.20	64908 / 1454	64909 / 771	6.99	2.16
92.30	64979 / 225	64979 / 1590	6.19	2.08
92.40	65049 / 1044	65050 / 361	6.23	1.98
92.50	65119 / 1863	65120 / 1180	6.20	2.07
92.60	65190 / 634	65190 / 1999	6.69	2.10
92.70	65260 / 1453	65261 / 770	7.48	2.09
92.80	65331 / 224	65331 / 1589	6.64	2.01
92.90	65401 / 1043	65402 / 360	5.97	2.51
93.00	65471 / 1862	65472 / 1179	7.33	2.16
93.10	65542 / 633	65542 / 1998	5.47	2.00
93.20	65612 / 1452	65613 / 769	5.86	2.03
93.30	65683 / 223	65683 / 1588	6.49	1.89
93.40	65753 / 1042	65754 / 359	6.20	1.96
93.50	65823 / 1861	65824 / 1178	6.73	2.04
93.60	65894 / 632	65894 / 1997	6.41	2.35
93.70	65964 / 1451	65965 / 768	6.68	2.43
93.80	66035 / 222	66035 / 1587	7.59	2.64
93.90	66105 / 1041	66106 / 358	6.87	2.10
94.00	66175 / 1860	66176 / 1177	7.45	2.77
94.10	66246 / 631	66246 / 1996	7.09	2.67
94.20	66316 / 1450	66317 / 767	7.31	2.84
94.30	66387 / 221	66387 / 1586	6.03	2.04

94.40	66457 / 1040	66458 / 357	6.63	2.02
94.50	66527 / 1859	66528 / 1176	6.64	2.00
94.60	66598 / 630	66598 / 1995	5.97	2.12
94.70	66668 / 1449	66669 / 766	6.75	1.89
94.80	66739 / 220	66739 / 1585	7.46	2.18
94.90	66809 / 1039	66810 / 356	7.74	2.28
95.00	66879 / 1858	66880 / 1175	6.73	2.51
95.10	66950 / 629	66950 / 1994	6.63	2.28
95.20	67020 / 1448	67021 / 765	6.52	2.28
95.30	67091 / 219	67091 / 1584	6.46	2.56
95.40	67161 / 1038	67162 / 355	2.05	2.89
95.50	67231 / 1857	67232 / 1174	2.53	2.07
95.60	67302 / 628	67302 / 1993	3.17	2.35
95.70	67372 / 1447	67373 / 764	2.88	2.52
95.80	67443 / 218	67443 / 1583	3.32	2.01
95.90	67513 / 1037	67514 / 354	3.50	2.11
96.00	67583 / 1856	67584 / 1173	3.29	1.83
96.10	67654 / 627	67654 / 1992	3.64	1.91
96.20	67724 / 1446	67725 / 763	3.67	1.81
96.30	67795 / 217	67795 / 1582	3.40	2.01
96.40	67865 / 1036	67866 / 353	3.30	2.22
96.50	67935 / 1855	67936 / 1172	3.06	2.16
96.60	68006 / 626	68006 / 1991	3.51	2.01
96.70	68076 / 1445	68077 / 762	4.26	2.07
96.80	68147 / 216	68147 / 1581	3.82	2.15
96.90	68217 / 1035	68218 / 352	4.03	2.11
97.00	68287 / 1854	68288 / 1171	4.29	1.97
97.10	68358 / 625	68358 / 1990	4.55	1.87
97.20	68428 / 1444	68429 / 761	5.25	2.01
97.30	68499 / 215	68499 / 1580	4.77	2.01
97.40	68569 / 1034	68570 / 351	4.57	2.05
97.50	68639 / 1853	68640 / 1170	3.66	1.99
97.60	68710 / 624	68710 / 1989	3.80	1.99
97.70	68780 / 1443	68781 / 760	3.30	1.89
97.80	68851 / 214	68851 / 1579	2.98	2.08
97.90	68921 / 1033	68922 / 350	1.35	1.16
98.00	68991 / 1852	68992 / 1169	4.39	2.77
98.10	69062 / 623	69062 / 1988	2.68	2.12
98.20	69132 / 1442	69133 / 759	2.87	2.34
98.30	69203 / 213	69203 / 1578	2.97	2.07
98.40	69273 / 1032	69274 / 349	2.81	1.83
98.50	69343 / 1851	69344 / 1168	2.77	1.64
98.60	69414 / 622	69414 / 1987	3.57	2.54

98.70	69484 / 1441	69485 / 758	3.09	1.74
98.80	69555 / 212	69555 / 1577	3.28	1.80
98.90	69625 / 1031	69626 / 348	3.09	3.15
99.00	69695 / 1850	69696 / 1167	3.23	2.07
99.10	69766 / 621	69766 / 1986	2.91	2.22
99.20	69836 / 1440	69837 / 757	3.08	2.15
99.30	69907 / 211	69907 / 1576	3.02	1.88
99.40	69977 / 1030	69978 / 347	3.02	1.84
99.50	70047 / 1849	70048 / 1166	2.66	1.91
99.60	70118 / 620	70118 / 1985	2.46	2.06
99.70	70188 / 1439	70189 / 756	2.72	1.92
99.80	70259 / 210	70259 / 1575	2.51	3.16
99.90	70329 / 1029	70330 / 346	2.57	1.79
100.00	70399 / 1848	70400 / 1165	2.47	2.03
100.10	70470 / 619	70470 / 1984	2.35	3.09
100.20	70540 / 1438	70541 / 755	2.79	2.23
100.30	70611 / 209	70611 / 1574	2.60	2.03
100.40	70681 / 1028	70682 / 345	2.63	3.17
100.50	70751 / 1847	70752 / 1164	2.33	2.27
100.60	70822 / 618	70822 / 1983	2.63	1.95
100.70	70892 / 1437	70893 / 754	2.47	1.87
100.80	70963 / 208	70963 / 1573	2.85	1.91
100.90	71033 / 1027	71034 / 344	2.57	2.55
101.00	71103 / 1846	71104 / 1163	2.33	1.91
101.10	71174 / 617	71174 / 1982	2.36	2.68
101.20	71244 / 1436	71245 / 753	2.62	2.18
101.30	71315 / 207	71315 / 1572	2.37	2.11
101.40	71385 / 1026	71386 / 343	2.43	2.03
101.50	71455 / 1845	71456 / 1162	2.32	1.95
101.60	71526 / 616	71526 / 1981	2.49	2.02
101.70	71596 / 1435	71597 / 752	2.47	2.01
101.80	71667 / 206	71667 / 1571	2.41	2.14
101.90	71737 / 1025	71738 / 342	2.72	1.87
102.00	71807 / 1844	71808 / 1161	1.66	1.79
102.10	71878 / 615	71878 / 1980	2.58	1.96
102.20	71948 / 1434	71949 / 751	2.35	1.95
102.30	72019 / 205	72019 / 1570	3.18	2.07
102.40	72089 / 1024	72090 / 341	2.92	2.00
102.50	72159 / 1843	72160 / 1160	3.07	1.87
102.60	72230 / 614	72230 / 1979	2.64	2.20
102.70	72300 / 1433	72301 / 750	2.87	1.89
102.80	72371 / 204	72371 / 1569	2.50	1.92
102.90	72441 / 1023	72442 / 340	2.59	2.23

103.00	72511 / 1842	72512 / 1159	2.43	2.17
103.10	72582 / 613	72582 / 1978	2.36	1.98
103.20	72652 / 1432	72653 / 749	2.46	2.19
103.30	72723 / 203	72723 / 1568	2.61	2.47
103.40	72793 / 1022	72794 / 339	2.53	2.04
103.50	72863 / 1841	72864 / 1158	2.71	1.96
103.60	72934 / 612	72934 / 1977	2.48	2.12
103.70	73004 / 1431	73005 / 748	2.53	1.92
103.80	73075 / 202	73075 / 1567	2.88	2.04
103.90	73145 / 1021	73146 / 338	2.52	1.97
104.00	73215 / 1840	73216 / 1157	2.38	1.85
104.10	73286 / 611	73286 / 1976	1.38	1.34
104.20	73356 / 1430	73357 / 747	2.73	3.05
104.30	73427 / 201	73427 / 1566	2.60	3.08
104.40	73497 / 1020	73498 / 337	2.94	2.03
104.50	73567 / 1839	73568 / 1156	2.75	1.95
104.60	73638 / 610	73638 / 1975	2.53	2.03
104.70	73708 / 1429	73709 / 746	2.63	2.05
104.80	73779 / 200	73779 / 1565	2.32	1.78
104.90	73849 / 1019	73850 / 336	3.10	2.51
105.00	73919 / 1838	73920 / 1155	2.76	2.29
105.10	73990 / 609	73990 / 1974	2.49	1.85
105.20	74060 / 1428	74061 / 745	2.68	1.84
105.30	74131 / 199	74131 / 1564	3.06	2.21
105.40	74201 / 1018	74202 / 335	2.90	1.86
105.50	74271 / 1837	74272 / 1154	3.10	1.93
105.60	74342 / 608	74342 / 1973	2.45	1.93
105.70	74412 / 1427	74413 / 744	2.83	1.93
105.80	74483 / 198	74483 / 1563	2.27	1.79
105.90	74553 / 1017	74554 / 334	2.46	1.89
106.00	74623 / 1836	74624 / 1153	2.38	1.78
106.10	74694 / 607	74694 / 1972	2.58	1.78
106.20	74764 / 1426	74765 / 743	2.56	1.89
106.30	74835 / 197	74835 / 1562	2.49	1.77
106.40	74905 / 1016	74906 / 333	3.23	1.77
106.50	74975 / 1835	74976 / 1152	2.50	1.88
106.60	75046 / 606	75046 / 1971	2.47	2.17
106.70	75116 / 1425	75117 / 742	2.64	1.96
106.80	75187 / 196	75187 / 1561	2.35	1.94
106.90	75257 / 1015	75258 / 332	2.55	1.87
107.00	75327 / 1834	75328 / 1151	2.57	2.16
107.10	75398 / 605	75398 / 1970	2.81	1.93
107.20	75468 / 1424	75469 / 741	3.10	2.27

107.30	75539 / 195	75539 / 1560	2.83	1.92
107.40	75609 / 1014	75610 / 331	2.66	2.01
107.50	75679 / 1833	75680 / 1150	2.65	2.15
107.60	75750 / 604	75750 / 1969	2.66	1.91
107.70	75820 / 1423	75821 / 740	2.46	1.85
107.80	75891 / 194	75891 / 1559	2.55	1.88
107.90	75961 / 1013	75962 / 330	2.35	1.80
108.00	76031 / 1832	76032 / 1149	2.44	1.90
108.10	76102 / 603	76102 / 1968	2.52	1.84
108.20	76172 / 1422	76173 / 739	2.55	2.06
108.30	76243 / 193	76243 / 1558	2.38	1.84
108.40	76313 / 1012	76314 / 329	2.48	1.85
108.50	76383 / 1831	76384 / 1148	2.41	1.82
108.60	76454 / 602	76454 / 1967	2.38	1.93
108.70	76524 / 1421	76525 / 738	2.41	1.83
108.80	76595 / 192	76595 / 1557	2.50	3.24
108.90	76665 / 1011	76666 / 328	2.55	2.25
109.00	76735 / 1830	76736 / 1147	2.50	2.15
109.10	76806 / 601	76806 / 1966	2.71	2.10
109.20	76876 / 1420	76877 / 737	2.69	2.68
109.30	76947 / 191	76947 / 1556	2.34	2.03
109.40	77017 / 1010	77018 / 327	2.78	2.66
109.50	77087 / 1829	77088 / 1146	2.35	1.87
109.60	77158 / 600	77158 / 1965	2.47	1.88
109.70	77228 / 1419	77229 / 736	2.45	1.86
109.80	77299 / 190	77299 / 1555	2.22	1.78
109.90	77369 / 1009	77370 / 326	2.18	1.75
110.00	77439 / 1828	77440 / 1145	2.09	1.62
110.10	77510 / 599	77510 / 1964	2.36	1.62
110.20	77580 / 1418	77581 / 735	2.30	2.41
110.30	77651 / 189	77651 / 1554	2.41	1.84
110.40	77721 / 1008	77722 / 325	2.38	1.77
110.50	77791 / 1827	77792 / 1144	2.34	1.62
110.60	77862 / 598	77862 / 1963	2.44	1.88
110.70	77932 / 1417	77933 / 734	2.38	2.42
110.80	78003 / 188	78003 / 1553	2.34	2.20
110.90	78073 / 1007	78074 / 324	2.44	1.87
111.00	78143 / 1826	78144 / 1143	2.57	2.58
111.10	78214 / 597	78214 / 1962	2.35	1.77
111.20	78284 / 1416	78285 / 733	2.47	1.93
111.30	78355 / 187	78355 / 1552	2.54	2.14
111.40	78425 / 1006	78426 / 323	2.53	2.10
111.50	78495 / 1825	78496 / 1142	2.67	2.25

111.60	78566 / 596	78566 / 1961	2.66	1.89
111.70	78636 / 1415	78637 / 732	2.41	1.67
111.80	78707 / 186	78707 / 1551	2.39	1.87
111.90	78777 / 1005	78778 / 322	2.73	2.08
112.00	78847 / 1824	78848 / 1141	2.44	1.97
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112.20	78988 / 1414	78989 / 731	2.78	2.14
112.30	79059 / 185	79059 / 1550	2.63	2.05
112.40	79129 / 1004	79130 / 321	2.63	1.93
112.50	79199 / 1823	79200 / 1140	2.55	2.17
112.60	79270 / 594	79270 / 1959	2.52	2.21
112.70	79340 / 1413	79341 / 730	2.57	2.26
112.80	79411 / 184	79411 / 1549	2.57	2.11
112.90	79481 / 1003	79482 / 320	2.34	1.53
113.00	79551 / 1822	79552 / 1139	2.50	1.82
113.10	79622 / 593	79622 / 1958	1.22	1.49
113.20	79692 / 1412	79693 / 729	1.65	1.44
113.30	79763 / 183	79763 / 1548	2.59	1.92
113.40	79833 / 1002	79834 / 319	2.44	1.81
113.50	79903 / 1821	79904 / 1138	2.09	1.56
113.60	79974 / 592	79974 / 1957	2.38	1.86
113.70	80044 / 1411	80045 / 728	2.37	1.81
113.80	80115 / 182	80115 / 1547	2.21	1.69
113.90	80185 / 1001	80186 / 318	2.05	1.68
114.00	80255 / 1820	80256 / 1137	2.22	1.73
114.10	80326 / 591	80326 / 1956	2.23	1.92
114.20	80396 / 1410	80397 / 727	2.51	1.98
114.30	80467 / 181	80467 / 1546	2.24	1.77
114.40	80537 / 1000	80538 / 317	2.25	2.00
114.50	80607 / 1819	80608 / 1136	1.41	1.36
114.60	80678 / 590	80678 / 1955	2.53	2.17
114.70	80748 / 1409	80749 / 726	2.82	1.95
114.80	80819 / 180	80819 / 1545	2.70	1.94
114.90	80889 / 999	80890 / 316	2.36	1.71
115.00	80959 / 1818	80960 / 1135	2.53	1.83
115.10	81030 / 589	81030 / 1954	2.48	1.76
115.20	81100 / 1408	81101 / 725	2.77	1.69
115.30	81171 / 179	81171 / 1544	3.21	1.71
115.40	81241 / 998	81242 / 315	2.90	1.85
115.50	81311 / 1817	81312 / 1134	3.01	1.72
115.60	81382 / 588	81382 / 1953	2.34	1.88
115.70	81452 / 1407	81453 / 724	2.67	1.77
115.80	81523 / 178	81523 / 1543	3.09	1.79

115.90	81593 / 997	81594 / 314	3.28	1.80
116.00	81663 / 1816	81664 / 1133	2.66	1.75
116.10	81734 / 587	81734 / 1952	2.99	1.79
116.20	81804 / 1406	81805 / 723	3.79	1.89
116.30	81875 / 177	81875 / 1542	3.27	1.93
116.40	81945 / 996	81946 / 313	3.52	1.69
116.50	82015 / 1815	82016 / 1132	2.67	1.94
116.60	82086 / 586	82086 / 1951	2.19	1.64
116.70	82156 / 1405	82157 / 722	2.10	1.75
116.80	82227 / 176	82227 / 1541	2.58	1.90
116.90	82297 / 995	82298 / 312	2.23	1.70
117.00	82367 / 1814	82368 / 1131	2.48	1.72
117.10	82438 / 585	82438 / 1950	2.44	1.81
117.20	82508 / 1404	82509 / 721	2.47	1.76
117.30	82579 / 175	82579 / 1540	2.16	1.62
117.40	82649 / 994	82650 / 311	2.21	1.76
117.50	82719 / 1813	82720 / 1130	2.35	1.78
117.60	82790 / 584	82790 / 1949	2.42	1.89
117.70	82860 / 1403	82861 / 720	2.29	1.70
117.80	82931 / 174	82931 / 1539	2.87	1.92
117.90	83001 / 993	83002 / 310	2.34	1.88
118.00	83071 / 1812	83072 / 1129	2.23	1.95
118.10	83142 / 583	83142 / 1948	2.16	1.66
118.20	83212 / 1402	83213 / 719	2.34	1.71
118.30	83283 / 173	83283 / 1538	2.39	1.73
118.40	83353 / 992	83354 / 309	2.62	1.72
118.50	83423 / 1811	83424 / 1128	2.54	1.67
118.60	83494 / 582	83494 / 1947	2.55	1.70
118.70	83564 / 1401	83565 / 718	2.06	1.62
118.80	83635 / 172	83635 / 1537	2.13	1.50
118.90	83705 / 991	83706 / 308	2.34	1.63
119.00	83775 / 1810	83776 / 1127	2.38	2.11
119.10	83846 / 581	83846 / 1946	2.74	1.79
119.20	83916 / 1400	83917 / 717	2.50	2.10
119.30	83987 / 171	83987 / 1536	2.32	2.09
119.40	84057 / 990	84058 / 307	2.40	1.68
119.50	84127 / 1809	84128 / 1126	1.49	1.37
119.60	84198 / 580	84198 / 1945	1.92	1.40
119.70	84268 / 1399	84269 / 716	2.36	1.63
119.80	84339 / 170	84339 / 1535	2.49	1.77
119.90	84409 / 989	84410 / 306	2.01	1.64
120.00	84479 / 1808	84480 / 1125	2.10	1.76
120.10	84550 / 579	84550 / 1944	2.28	1.65

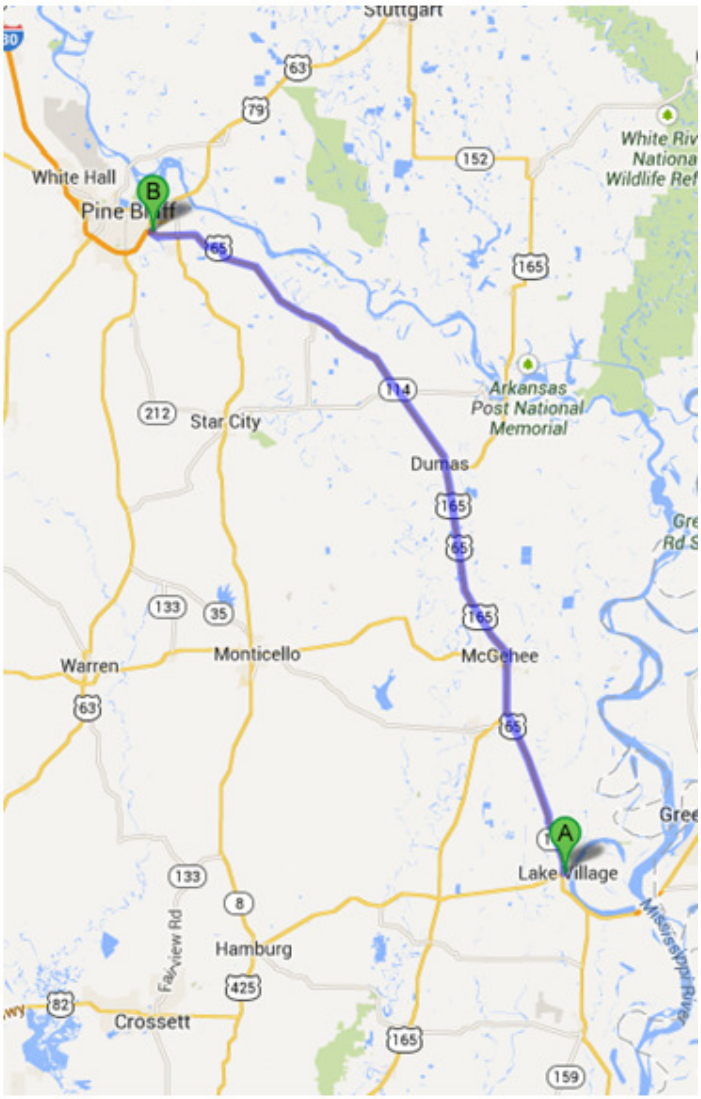
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120.30	84691 / 169	84691 / 1534	2.38	1.76
120.40	84761 / 988	84762 / 305	3.17	1.67
120.50	84831 / 1807	84832 / 1124	2.55	1.66
120.60	84902 / 578	84902 / 1943	2.68	1.57
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120.90	85113 / 987	85114 / 304	2.33	1.54
121.00	85183 / 1806	85184 / 1123	2.15	1.52
121.10	85254 / 577	85254 / 1942	2.26	1.49
121.20	85324 / 1396	85325 / 713	2.25	1.73
121.30	85395 / 167	85395 / 1532	2.14	1.73
121.40	85465 / 986	85466 / 303	1.74	1.36
121.50	85535 / 1805	85536 / 1122	1.92	1.43
121.60	85606 / 576	85606 / 1941	1.76	1.45
121.70	85676 / 1395	85677 / 712	2.35	1.60
121.80	85747 / 166	85747 / 1531	1.97	1.46
121.90	85817 / 985	85818 / 302	1.99	1.52
122.00	85887 / 1804	85888 / 1121	2.06	1.57
122.10	85958 / 575	85958 / 1940	1.92	1.54
122.20	86028 / 1394	86029 / 711	1.93	1.44
122.30	86099 / 165	86099 / 1530	1.92	1.57
122.40	86169 / 984	86170 / 301	1.82	1.47
122.50	86239 / 1803	86240 / 1120	1.94	1.46
122.60	86310 / 574	86310 / 1939	2.08	1.52
122.70	86380 / 1393	86381 / 710	2.05	1.49
122.80	86451 / 164	86451 / 1529	1.84	1.70
122.90	86521 / 983	86522 / 300	1.36	1.35
123.00	86591 / 1802	86592 / 1119	3.35	2.71
123.10	86662 / 573	86662 / 1938	2.28	2.07
123.20	86732 / 1392	86733 / 709	2.11	1.68
123.30	86803 / 163	86803 / 1528	2.17	1.61
123.40	86873 / 982	86874 / 299	1.96	1.67
123.50	86943 / 1801	86944 / 1118	1.93	1.53
123.60	87014 / 572	87014 / 1937	1.98	1.63
123.70	87084 / 1391	87085 / 708	2.13	1.50
123.80	87155 / 162	87155 / 1527	1.98	1.48
123.90	87225 / 981	87226 / 298	2.03	1.63
124.00	87295 / 1800	87296 / 1117	2.07	1.63
124.10	87366 / 571	87366 / 1936	1.93	1.56
124.20	87436 / 1390	87437 / 707	2.22	1.57
124.30	87507 / 161	87507 / 1526	2.11	1.55
124.40	87577 / 980	87578 / 297	2.18	1.43

124.50	87647 / 1799	87648 / 1116	2.05	1.49
124.60	87718 / 570	87718 / 1935	2.25	1.56
124.70	87788 / 1389	87789 / 706	2.05	1.50
124.80	87859 / 160	87859 / 1525	2.26	1.62
124.90	87929 / 979	87930 / 296	2.20	1.76
125.00	87999 / 1798	88000 / 1115	2.28	1.72
125.10	88070 / 569	88070 / 1934	2.25	1.65
125.20	88140 / 1388	88141 / 705	2.27	1.61
125.30	88211 / 159	88211 / 1524	2.10	1.55
125.40	88281 / 978	88282 / 295	2.27	1.66
125.50	88351 / 1797	88352 / 1114	2.11	1.49
125.60	88422 / 568	88422 / 1933	2.01	1.49
125.70	88492 / 1387	88493 / 704	1.09	0.88

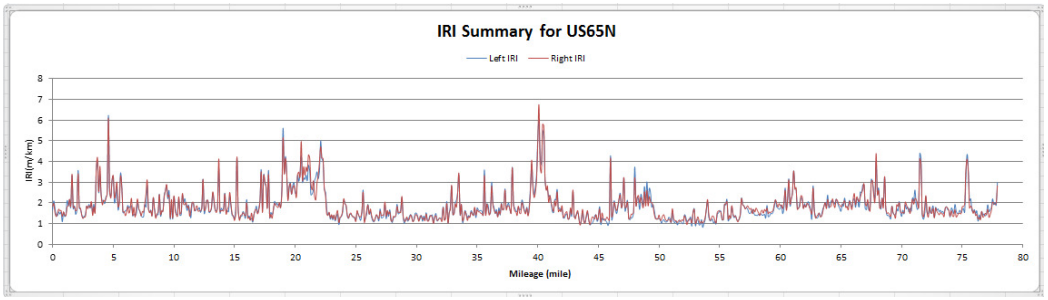
US 65 N (TO PINE BLUFF)

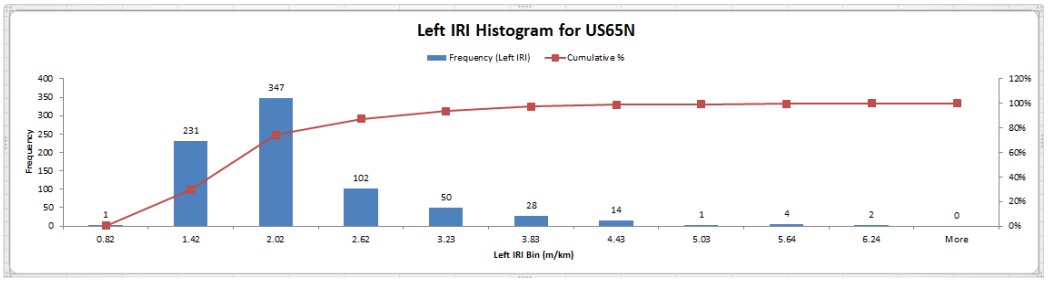
Route Description

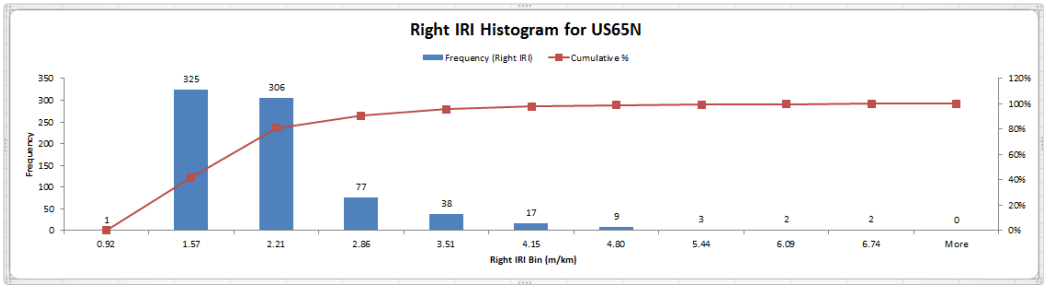
US 65N data collection starts at GPS coordinate of 33.331598,-91.291864, and ends at GPS coordinate of 34.199665,-91.963376, with a total length of 77.9 miles.



IRI Data


IRI Summary for US65N
Left IRI
Right IRI
IRI(m/km)
Mileage (mile)


Left IRI Histogram for US65N
Frequency (Left IRI)
Cumulative %
Frequency
Left IRI Bin (m/km)
0.82
1.42
2.02
2.62
3.23
3.83
4.43
5.03
5.64
6.24
More
1
231
347
102
50
28
14
1
4
2
0


Right IRI Histogram for US65N
Frequency (Right IRI)
Cumulative %
Frequency
Right IRI Bin (m/km)
0.92
1.57
2.21
2.86
3.51
4.15
4.80
5.44
6.09
6.74
More
1
325
306
77
38
17
9
3
2
2
0

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	1.66	1.82
0.1	1	529	1057	2.10	1.97
0.2	2	1057	1585	1.70	1.50
0.3	3	1585	2113	1.41	1.34
0.4	4	2113	2641	1.37	1.49
0.5	5	2641	3169	1.57	1.70
0.6	6	3169	3697	1.45	1.61
0.7	7	3697	4225	1.54	1.63
0.8	8	4225	4753	1.09	1.35
0.9	9	4753	5281	1.55	1.57
1	10	5281	5809	1.33	1.41
1.1	11	5809	6337	1.48	1.37
1.2	12	6337	6865	2.12	1.81
1.3	13	6865	7393	1.85	1.86
1.4	14	7393	7921	2.17	2.18
1.5	15	7921	8449	1.79	1.84
1.6	16	8449	8977	3.32	3.39
1.7	17	8977	9505	1.72	1.78
1.8	18	9505	10033	1.86	1.82
1.9	19	10033	10561	1.44	1.61
2	20	10561	11089	1.64	1.67
2.1	21	11089	11617	3.58	3.41
2.2	22	11617	12145	1.73	1.77
2.3	23	12145	12673	1.72	1.75
2.4	24	12673	13201	1.44	1.39
2.5	25	13201	13729	1.26	1.25
2.6	26	13729	14257	1.37	1.31
2.7	27	14257	14785	1.40	1.33
2.8	28	14785	15313	1.83	1.84
2.9	29	15313	15841	1.76	1.72
3	30	15841	16369	1.93	1.86
3.1	31	16369	16897	1.74	1.79
3.2	32	16897	17425	1.94	2.06
3.3	33	17425	17953	1.55	1.39
3.4	34	17953	18481	1.94	1.81
3.5	35	18481	19009	1.58	1.52
3.6	36	19009	19537	3.59	3.68
3.7	37	19537	20065	3.96	4.19
3.8	38	20065	20593	2.49	2.53
3.9	39	20593	21121	3.38	3.78
4	40	21121	21649	2.41	2.43
4.1	41	21649	22177	2.09	1.91

4.2	42	22177	22705	2.08	2.13
4.3	43	22705	23233	1.97	2.07
4.4	44	23233	23761	2.31	2.22
4.5	45	23761	24289	2.41	2.51
4.6	46	24289	24817	6.24	6.10
4.7	47	24817	25345	2.55	2.59
4.8	48	25345	25873	2.29	2.23
4.9	49	25873	26401	3.06	3.10
5	50	26401	26929	3.28	3.32
5.1	51	26929	27457	2.01	2.24
5.2	52	27457	27985	2.23	2.55
5.3	53	27985	28513	2.82	2.99
5.4	54	28513	29041	1.66	1.80
5.5	55	29041	29569	2.08	1.99
5.6	56	29569	30097	3.44	3.30
5.7	57	30097	30625	2.83	2.79
5.8	58	30625	31153	1.53	1.58
5.9	59	31153	31681	1.53	1.58
6	60	31681	32209	1.63	1.38
6.1	61	32209	32737	1.66	1.54
6.2	62	32737	33265	1.88	1.81
6.3	63	33265	33793	1.75	1.50
6.4	64	33793	34321	1.84	1.71
6.5	65	34321	34849	1.87	2.22
6.6	66	34849	35377	1.37	1.39
6.7	67	35377	35905	1.46	1.79
6.8	68	35905	36433	1.39	1.31
6.9	69	36433	36961	1.46	1.75
7	70	36961	37489	2.00	2.20
7.1	71	37489	38017	1.72	1.73
7.2	72	38017	38545	1.57	1.62
7.3	73	38545	39073	1.37	1.37
7.4	74	39073	39601	1.32	1.59
7.5	75	39601	40129	1.33	1.55
7.6	76	40129	40657	1.92	1.99
7.7	77	40657	41185	1.80	2.44
7.8	78	41185	41713	2.85	3.11
7.9	79	41713	42241	1.68	1.73
8	80	42241	42769	1.57	1.52
8.1	81	42769	43297	1.66	1.63
8.2	82	43297	43825	1.39	1.38
8.3	83	43825	44353	2.26	2.27
8.4	84	44353	44881	1.71	1.71

8.5	85	44881	45409	1.33	1.26
8.6	86	45409	45937	1.46	1.47
8.7	87	45937	46465	1.43	1.58
8.8	88	46465	46993	2.42	2.41
8.9	89	46993	47521	1.37	1.44
9	90	47521	48049	1.56	1.64
9.1	91	48049	48577	1.65	1.58
9.2	92	48577	49105	2.36	2.27
9.3	93	49105	49633	2.60	2.58
9.4	94	49633	50161	2.86	2.89
9.5	95	50161	50689	2.20	2.29
9.6	96	50689	51217	2.58	2.37
9.7	97	51217	51745	1.21	1.27
9.8	98	51745	52273	1.97	2.17
9.9	99	52273	52801	1.21	1.26
10	100	52801	53329	2.29	2.34
10.1	101	53329	53857	1.85	1.66
10.2	102	53857	54385	1.43	1.41
10.3	103	54385	54913	1.47	1.34
10.4	104	54913	55441	2.21	2.30
10.5	105	55441	55969	1.40	1.47
10.6	106	55969	56497	1.42	1.55
10.7	107	56497	57025	2.39	2.46
10.8	108	57025	57553	2.03	1.93
10.9	109	57553	58081	2.21	1.91
11	110	58081	58609	1.87	2.03
11.1	111	58609	59137	1.62	1.76
11.2	112	59137	59665	1.90	1.84
11.3	113	59665	60193	1.60	1.36
11.4	114	60193	60721	1.28	1.63
11.5	115	60721	61249	2.00	2.01
11.6	116	61249	61777	2.02	2.03
11.7	117	61777	62305	1.64	1.62
11.8	118	62305	62833	1.62	1.74
11.9	119	62833	63361	1.71	1.86
12	120	63361	63889	1.67	1.60
12.1	121	63889	64417	1.77	1.62
12.2	122	64417	64945	1.54	1.62
12.3	123	64945	65473	1.77	1.73
12.4	124	65473	66001	3.15	3.14
12.5	125	66001	66529	1.50	1.62
12.6	126	66529	67057	1.72	1.71
12.7	127	67057	67585	2.12	2.12

12.8	128	67585	68113	2.12	2.13
12.9	129	68113	68641	1.54	1.58
13	130	68641	69169	1.57	1.59
13.1	131	69169	69697	1.74	1.77
13.2	132	69697	70225	2.47	2.53
13.3	133	70225	70753	2.07	2.17
13.4	134	70753	71281	1.64	1.70
13.5	135	71281	71809	1.62	1.53
13.6	136	71809	72337	1.81	1.79
13.7	137	72337	72865	3.66	4.13
13.8	138	72865	73393	1.51	1.57
13.9	139	73393	73921	1.74	1.62
14	140	73921	74449	1.65	1.64
14.1	141	74449	74977	1.78	1.61
14.2	142	74977	75505	2.48	2.44
14.3	143	75505	76033	1.56	1.47
14.4	144	76033	76561	1.64	1.69
14.5	145	76561	77089	1.57	1.83
14.6	146	77089	77617	2.32	2.51
14.7	147	77617	78145	1.87	1.97
14.8	148	78145	78673	1.39	1.47
14.9	149	78673	79201	1.39	1.36
15	150	79201	79729	1.24	1.15
15.1	151	79729	80257	1.73	1.49
15.2	152	80257	80785	4.18	4.23
15.3	153	80785	81313	1.64	1.71
15.4	154	81313	81841	1.24	1.15
15.5	155	81841	82369	1.34	1.39
15.6	156	82369	82897	1.35	1.42
15.7	157	82897	83425	1.59	1.53
15.8	158	83425	83953	1.45	1.44
15.9	159	83953	84481	1.27	1.38
16	160	84481	85009	2.16	2.01
16.1	161	85009	85537	1.27	1.25
16.2	162	85537	86065	1.38	1.31
16.3	163	86065	86593	1.20	1.17
16.4	164	86593	87121	1.25	1.51
16.5	165	87121	87649	1.07	1.13
16.6	166	87649	88177	1.43	1.44
16.7	167	88177	88705	1.62	1.66
16.8	168	88705	89233	1.85	1.69
16.9	169	89233	89761	1.52	1.47
17	170	89761	90289	1.74	1.66

17.1	171	90289	90817	2.15	2.09
17.2	172	90817	91345	3.62	3.51
17.3	173	91345	91873	1.70	1.53
17.4	174	91873	92401	3.36	3.32
17.5	175	92401	92929	2.96	3.02
17.6	176	92929	93457	2.74	2.84
17.7	177	93457	93985	1.77	1.72
17.8	178	93985	94513	3.58	3.38
17.9	179	94513	95041	1.28	1.30
18	180	95041	95569	1.54	1.45
18.1	181	95569	96097	1.43	1.25
18.2	182	96097	96625	1.63	1.69
18.3	183	96625	97153	2.08	1.98
18.4	184	97153	97681	1.89	1.87
18.5	185	97681	98209	1.99	1.81
18.6	186	98209	98737	1.87	1.78
18.7	187	98737	99265	1.97	2.02
18.8	188	99265	99793	1.79	1.76
18.9	189	99793	100321	2.67	2.46
19	190	100321	100849	5.62	5.16
19.1	191	100849	101377	3.45	3.41
19.2	192	101377	101905	4.25	4.16
19.3	193	101905	102433	3.50	3.42
19.4	194	102433	102961	2.21	2.11
19.5	195	102961	103489	2.70	2.78
19.6	196	103489	104017	2.99	2.93
19.7	197	104017	104545	2.41	2.43
19.8	198	104545	105073	2.85	2.71
19.9	199	105073	105601	2.98	2.85
20	200	105601	106129	2.48	2.61
20.1	201	106129	106657	2.46	2.27
20.2	202	106657	107185	3.34	3.38
20.3	203	107185	107713	3.04	3.49
20.4	204	107713	108241	3.42	3.25
20.5	205	108241	108769	4.29	4.98
20.6	206	108769	109297	3.00	3.09
20.7	207	109297	109825	3.21	3.75
20.8	208	109825	110353	3.13	3.34
20.9	209	110353	110881	3.34	3.73
21	210	110881	111409	3.07	3.54
21.1	211	111409	111937	3.82	4.32
21.2	212	111937	112465	3.53	4.16
21.3	213	112465	112993	2.39	2.90

21.4	214	112993	113521	2.43	2.63
21.5	215	113521	114049	2.63	3.07
21.6	216	114049	114577	3.08	2.32
21.7	217	114577	115105	3.24	2.15
21.8	218	115105	115633	3.50	2.96
21.9	219	115633	116161	3.16	3.32
22	220	116161	116689	3.53	3.95
22.1	221	116689	117217	4.99	4.72
22.2	222	117217	117745	4.14	4.17
22.3	223	117745	118273	3.98	4.15
22.4	224	118273	118801	2.68	2.72
22.5	225	118801	119329	2.53	2.36
22.6	226	119329	119857	1.70	1.45
22.7	227	119857	120385	1.42	1.39
22.8	228	120385	120913	1.51	1.55
22.9	229	120913	121441	1.21	1.28
23	230	121441	121969	1.37	1.44
23.1	231	121969	122497	1.18	1.24
23.2	232	122497	123025	1.41	1.42
23.3	233	123025	123553	1.13	1.18
23.4	234	123553	124081	1.32	1.45
23.5	235	124081	124609	1.47	1.62
23.6	236	124609	125137	0.95	1.05
23.7	237	125137	125665	1.28	1.31
23.8	238	125665	126193	1.33	1.35
23.9	239	126193	126721	1.50	1.60
24	240	126721	127249	2.12	2.20
24.1	241	127249	127777	1.99	1.94
24.2	242	127777	128305	1.83	1.89
24.3	243	128305	128833	1.35	1.40
24.4	244	128833	129361	1.24	1.26
24.5	245	129361	129889	1.45	1.46
24.6	246	129889	130417	1.44	1.51
24.7	247	130417	130945	1.39	1.34
24.8	248	130945	131473	1.30	1.33
24.9	249	131473	132001	1.26	1.31
25	250	132001	132529	1.15	1.10
25.1	251	132529	133057	1.50	1.62
25.2	252	133057	133585	1.47	1.44
25.3	253	133585	134113	1.29	1.33
25.4	254	134113	134641	1.15	1.33
25.5	255	134641	135169	1.53	1.59
25.6	256	135169	135697	2.63	2.52

25.7	257	135697	136225	1.14	1.07
25.8	258	136225	136753	1.27	1.31
25.9	259	136753	137281	1.48	1.67
26	260	137281	137809	1.93	1.90
26.1	261	137809	138337	1.46	1.45
26.2	262	138337	138865	1.58	1.71
26.3	263	138865	139393	1.31	1.40
26.4	264	139393	139921	1.12	1.21
26.5	265	139921	140449	1.09	1.11
26.6	266	140449	140977	1.23	1.26
26.7	267	140977	141505	1.42	1.44
26.8	268	141505	142033	1.30	1.34
26.9	269	142033	142561	1.14	1.24
27	270	142561	143089	1.71	1.61
27.1	271	143089	143617	1.29	1.38
27.2	272	143617	144145	1.28	1.41
27.3	273	144145	144673	1.37	1.42
27.4	274	144673	145201	1.94	2.05
27.5	275	145201	145729	1.24	1.36
27.6	276	145729	146257	1.57	1.64
27.7	277	146257	146785	1.34	1.45
27.8	278	146785	147313	1.67	1.57
27.9	279	147313	147841	1.24	1.13
28	280	147841	148369	1.05	1.11
28.1	281	148369	148897	1.30	1.35
28.2	282	148897	149425	1.29	1.32
28.3	283	149425	149953	1.38	1.40
28.4	284	149953	150481	1.94	1.83
28.5	285	150481	151009	1.48	1.54
28.6	286	151009	151537	1.50	1.56
28.7	287	151537	152065	1.67	1.53
28.8	288	152065	152593	2.25	2.32
28.9	289	152593	153121	1.29	1.37
29	290	153121	153649	1.01	1.12
29.1	291	153649	154177	1.23	1.12
29.2	292	154177	154705	1.23	1.32
29.3	293	154705	155233	1.11	1.17
29.4	294	155233	155761	1.32	1.20
29.5	295	155761	156289	1.44	1.41
29.6	296	156289	156817	1.38	1.31
29.7	297	156817	157345	1.10	1.09
29.8	298	157345	157873	1.23	1.17
29.9	299	157873	158401	1.50	1.39

30	300	158401	158929	1.50	1.43
30.1	301	158929	159457	1.35	1.29
30.2	302	159457	159985	1.17	1.11
30.3	303	159985	160513	1.24	1.36
30.4	304	160513	161041	1.40	1.36
30.5	305	161041	161569	1.11	1.21
30.6	306	161569	162097	1.36	1.27
30.7	307	162097	162625	1.19	1.14
30.8	308	162625	163153	1.52	1.47
30.9	309	163153	163681	1.16	1.13
31	310	163681	164209	1.16	1.12
31.1	311	164209	164737	1.39	1.31
31.2	312	164737	165265	1.37	1.40
31.3	313	165265	165793	1.42	1.28
31.4	314	165793	166321	1.03	1.00
31.5	315	166321	166849	1.30	1.31
31.6	316	166849	167377	1.49	1.38
31.7	317	167377	167905	1.12	1.16
31.8	318	167905	168433	1.22	1.17
31.9	319	168433	168961	1.28	1.27
32	320	168961	169489	1.23	1.23
32.1	321	169489	170017	1.30	1.11
32.2	322	170017	170545	1.81	1.78
32.3	323	170545	171073	1.17	1.16
32.4	324	171073	171601	1.24	1.27
32.5	325	171601	172129	2.07	1.97
32.6	326	172129	172657	1.03	1.02
32.7	327	172657	173185	1.51	1.55
32.8	328	173185	173713	1.88	1.70
32.9	329	173713	174241	2.81	2.86
33	330	174241	174769	1.42	1.43
33.1	331	174769	175297	1.47	1.46
33.2	332	175297	175825	2.02	1.96
33.3	333	175825	176353	2.15	1.79
33.4	334	176353	176881	2.53	2.52
33.5	335	176881	177409	3.34	3.43
33.6	336	177409	177937	1.43	1.46
33.7	337	177937	178465	1.92	1.94
33.8	338	178465	178993	1.06	1.14
33.9	339	178993	179521	1.30	1.29
34	340	179521	180049	1.63	1.59
34.1	341	180049	180577	1.49	1.42
34.2	342	180577	181105	1.28	1.15

34.3	343	181105	181633	1.39	1.34
34.4	344	181633	182161	1.32	1.29
34.5	345	182161	182689	1.62	1.56
34.6	346	182689	183217	1.54	1.45
34.7	347	183217	183745	1.39	1.40
34.8	348	183745	184273	1.74	1.79
34.9	349	184273	184801	1.28	1.41
35	350	184801	185329	1.75	1.66
35.1	351	185329	185857	1.66	1.57
35.2	352	185857	186385	1.61	1.57
35.3	353	186385	186913	1.64	1.49
35.4	354	186913	187441	1.60	1.47
35.5	355	187441	187969	1.40	1.39
35.6	356	187969	188497	3.60	3.33
35.7	357	188497	189025	1.51	1.43
35.8	358	189025	189553	1.95	1.94
35.9	359	189553	190081	1.91	1.72
36	360	190081	190609	1.49	1.41
36.1	361	190609	191137	1.48	1.58
36.2	362	191137	191665	3.00	2.82
36.3	363	191665	192193	1.99	1.89
36.4	364	192193	192721	1.77	1.66
36.5	365	192721	193249	1.48	1.49
36.6	366	193249	193777	1.68	1.58
36.7	367	193777	194305	1.34	1.32
36.8	368	194305	194833	1.76	1.62
36.9	369	194833	195361	1.41	1.46
37	370	195361	195889	1.98	1.95
37.1	371	195889	196417	1.68	1.65
37.2	372	196417	196945	1.68	1.72
37.3	373	196945	197473	2.68	2.62
37.4	374	197473	198001	1.78	1.67
37.5	375	198001	198529	1.88	1.84
37.6	376	198529	199057	1.99	1.86
37.7	377	199057	199585	1.68	1.69
37.8	378	199585	200113	1.52	1.50
37.9	379	200113	200641	3.73	3.71
38	380	200641	201169	1.94	1.90
38.1	381	201169	201697	1.76	1.61
38.2	382	201697	202225	1.62	1.57
38.3	383	202225	202753	1.58	1.39
38.4	384	202753	203281	1.81	1.85
38.5	385	203281	203809	1.65	1.51

38.6	386	203809	204337	1.72	1.49
38.7	387	204337	204865	2.14	2.02
38.8	388	204865	205393	1.92	1.78
38.9	389	205393	205921	1.65	1.60
39	390	205921	206449	1.53	1.47
39.1	391	206449	206977	1.79	1.74
39.2	392	206977	207505	1.42	1.37
39.3	393	207505	208033	1.87	1.71
39.4	394	208033	208561	2.82	2.63
39.5	395	208561	209089	3.89	4.08
39.6	396	209089	209617	2.88	2.71
39.7	397	209617	210145	2.38	2.26
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39.9	399	210673	211201	3.36	3.14
40	400	211201	211729	5.08	4.87
40.1	401	211729	212257	5.99	6.74
40.2	402	212257	212785	4.17	3.73
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40.5	405	213841	214369	5.50	5.72
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40.7	407	214897	215425	2.65	2.61
40.8	408	215425	215953	2.65	2.82
40.9	409	215953	216481	2.29	2.02
41	410	216481	217009	2.37	2.36
41.1	411	217009	217537	2.00	2.01
41.2	412	217537	218065	1.59	1.80
41.3	413	218065	218593	1.53	1.58
41.4	414	218593	219121	2.16	2.10
41.5	415	219121	219649	2.15	1.86
41.6	416	219649	220177	2.66	2.53
41.7	417	220177	220705	1.71	1.58
41.8	418	220705	221233	1.76	1.69
41.9	419	221233	221761	1.64	1.57
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42.1	421	222289	222817	1.28	1.30
42.2	422	222817	223345	1.27	1.38
42.3	423	223345	223873	1.41	1.52
42.4	424	223873	224401	1.46	1.57
42.5	425	224401	224929	1.23	1.21
42.6	426	224929	225457	1.23	1.27
42.7	427	225457	225985	1.69	1.76
42.8	428	225985	226513	1.37	1.47

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43.2	432	228097	228625	1.43	1.49
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43.4	434	229153	229681	1.27	1.19
43.5	435	229681	230209	0.96	0.92
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43.7	437	230737	231265	1.55	1.69
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44.3	443	233905	234433	0.93	0.95
44.4	444	234433	234961	0.99	1.15
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45.2	452	238657	239185	0.96	1.06
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45.8	458	241825	242353	0.90	1.24
45.9	459	242353	242881	1.16	1.15
46	460	242881	243409	4.29	4.17
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46.8	468	247105	247633	2.47	2.39
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47	470	248161	248689	2.04	1.95
47.1	471	248689	249217	3.23	3.23

47.2	472	249217	249745	1.61	1.77
47.3	473	249745	250273	1.88	1.78
47.4	474	250273	250801	2.11	2.05
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49.3	493	260305	260833	2.46	2.04
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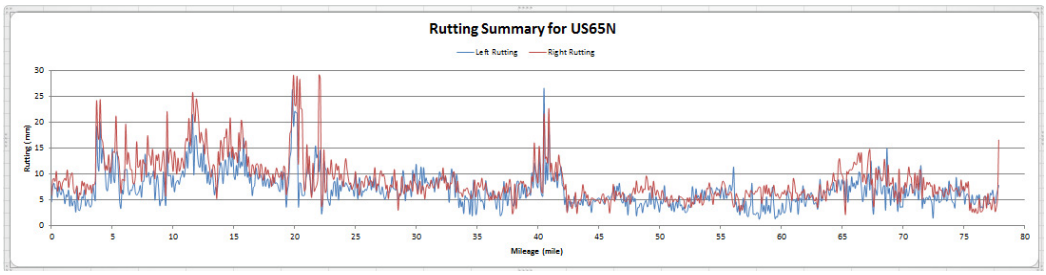
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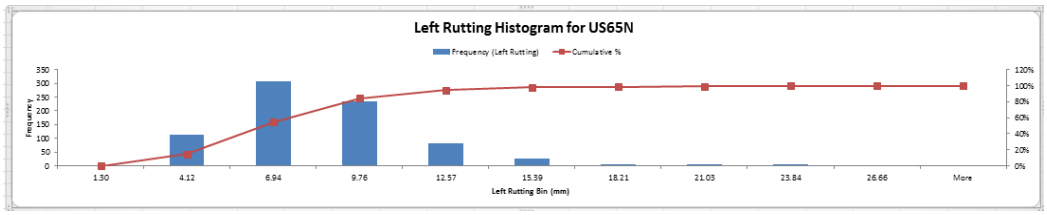
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72.8	728	384385	384913	1.78	1.75
72.9	729	384913	385441	1.64	1.59

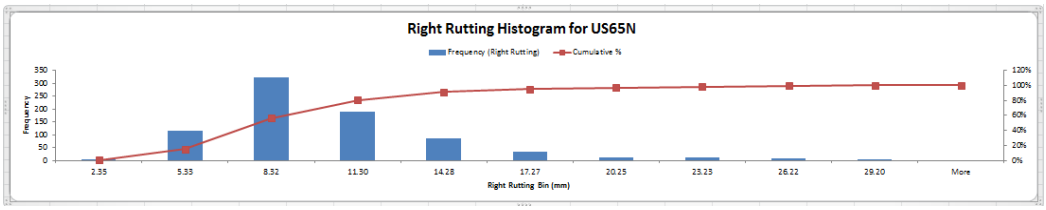
73	730	385441	385969	1.71	1.50
73.1	731	385969	386497	1.57	1.42
73.2	732	386497	387025	1.65	1.54
73.3	733	387025	387553	1.54	1.47
73.4	734	387553	388081	1.59	1.47
73.5	735	388081	388609	1.48	1.33
73.6	736	388609	389137	1.74	1.77
73.7	737	389137	389665	1.82	1.80
73.8	738	389665	390193	1.68	1.75
73.9	739	390193	390721	1.65	1.61
74	740	390721	391249	1.32	1.36
74.1	741	391249	391777	1.75	1.63
74.2	742	391777	392305	1.66	1.37
74.3	743	392305	392833	1.49	1.35
74.4	744	392833	393361	1.93	1.67
74.5	745	393361	393889	1.60	1.32
74.6	746	393889	394417	1.49	1.38
74.7	747	394417	394945	1.50	1.49
74.8	748	394945	395473	1.65	1.50
74.9	749	395473	396001	1.52	1.47
75	750	396001	396529	1.66	1.81
75.1	751	396529	397057	1.73	1.82
75.2	752	397057	397585	1.54	1.94
75.3	753	397585	398113	3.20	3.62
75.4	754	398113	398641	4.35	4.12
75.5	755	398641	399169	3.60	3.44
75.6	756	399169	399697	2.11	1.75
75.7	757	399697	400225	2.20	1.86
75.8	758	400225	400753	1.62	1.76
75.9	759	400753	401281	1.56	1.49
76	760	401281	401809	1.67	1.62
76.1	761	401809	402337	1.48	1.39
76.2	762	402337	402865	1.61	1.44
76.3	763	402865	403393	1.12	1.22
76.4	764	403393	403921	1.42	1.30
76.5	765	403921	404449	1.22	1.18
76.6	766	404449	404977	1.59	1.59
76.7	767	404977	405505	1.39	1.31
76.8	768	405505	406033	1.48	1.35
76.9	769	406033	406561	1.37	1.49
77	770	406561	407089	1.45	1.44
77.1	771	407089	407617	1.91	1.69
77.2	772	407617	408145	1.58	1.30

77.3	773	408145	408673	1.67	1.43
77.4	774	408673	409201	1.76	1.64
77.5	775	409201	409729	2.20	2.03
77.6	776	409729	410257	1.92	1.99
77.7	777	410257	410785	2.03	1.92
77.8	778	410785	411313	1.89	1.99
77.9	779	411313	411841	2.98	2.84

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	4.65	5.93
0.1	1	529	1057	7.67	8.98
0.2	2	1057	1585	8.27	9.17
0.3	3	1585	2113	7.17	8.66
0.4	4	2113	2641	7.38	10.58
0.5	5	2641	3169	5.53	6.75
0.6	6	3169	3697	7.66	8.67
0.7	7	3697	4225	6.47	8.49
0.8	8	4225	4753	6.05	6.97
0.9	9	4753	5281	7.15	8.34
1	10	5281	5809	6.23	8.84
1.1	11	5809	6337	4.27	9.23
1.2	12	6337	6865	6.01	8.83
1.3	13	6865	7393	5.65	10.84
1.4	14	7393	7921	6.95	7.42
1.5	15	7921	8449	3.81	9.08
1.6	16	8449	8977	5.89	9.95
1.7	17	8977	9505	3.89	10.24
1.8	18	9505	10033	4.64	7.27
1.9	19	10033	10561	4.84	6.24
2	20	10561	11089	2.71	6.96
2.1	21	11089	11617	7.39	7.71
2.2	22	11617	12145	3.23	5.03
2.3	23	12145	12673	2.96	6.44
2.4	24	12673	13201	3.75	6.07
2.5	25	13201	13729	5.64	8.66
2.6	26	13729	14257	5.33	7.73
2.7	27	14257	14785	6.97	8.36
2.8	28	14785	15313	3.92	6.05
2.9	29	15313	15841	4.62	8.09
3	30	15841	16369	5.12	7.53
3.1	31	16369	16897	4.04	6.99
3.2	32	16897	17425	3.64	7.93
3.3	33	17425	17953	4.20	6.30
3.4	34	17953	18481	7.87	8.01
3.5	35	18481	19009	6.33	7.95
3.6	36	19009	19537	4.98	8.78
3.7	37	19537	20065	19.18	24.05
3.8	38	20065	20593	12.28	17.84
3.9	39	20593	21121	10.78	16.83
4	40	21121	21649	20.19	24.49
4.1	41	21649	22177	12.30	17.02

4.2	42	22177	22705	15.03	16.35
4.3	43	22705	23233	13.25	14.00
4.4	44	23233	23761	10.96	10.79
4.5	45	23761	24289	7.35	11.72
4.6	46	24289	24817	6.78	10.84
4.7	47	24817	25345	9.18	13.79
4.8	48	25345	25873	11.35	10.36
4.9	49	25873	26401	8.28	11.40
5	50	26401	26929	14.92	14.07
5.1	51	26929	27457	9.57	14.37
5.2	52	27457	27985	8.44	14.21
5.3	53	27985	28513	14.07	21.30
5.4	54	28513	29041	14.35	13.94
5.5	55	29041	29569	10.10	13.39
5.6	56	29569	30097	4.88	10.71
5.7	57	30097	30625	3.38	6.29
5.8	58	30625	31153	6.94	8.98
5.9	59	31153	31681	6.22	8.95
6	60	31681	32209	10.68	8.71
6.1	61	32209	32737	10.90	19.70
6.2	62	32737	33265	10.88	12.09
6.3	63	33265	33793	7.00	14.24
6.4	64	33793	34321	5.96	12.55
6.5	65	34321	34849	6.95	10.93
6.6	66	34849	35377	6.86	10.84
6.7	67	35377	35905	7.70	8.25
6.8	68	35905	36433	8.26	8.14
6.9	69	36433	36961	6.39	9.69
7	70	36961	37489	5.98	16.32
7.1	71	37489	38017	6.26	11.36
7.2	72	38017	38545	6.83	11.50
7.3	73	38545	39073	7.83	12.70
7.4	74	39073	39601	5.53	8.61
7.5	75	39601	40129	8.66	12.80
7.6	76	40129	40657	8.67	12.10
7.7	77	40657	41185	13.91	12.02
7.8	78	41185	41713	9.44	9.96
7.9	79	41713	42241	9.66	17.42
8	80	42241	42769	10.32	13.84
8.1	81	42769	43297	8.00	13.47
8.2	82	43297	43825	9.52	11.76
8.3	83	43825	44353	9.62	14.87
8.4	84	44353	44881	10.63	11.91

8.5	85	44881	45409	5.01	9.12
8.6	86	45409	45937	8.00	13.61
8.7	87	45937	46465	9.87	12.63
8.8	88	46465	46993	7.52	13.88
8.9	89	46993	47521	3.96	10.84
9	90	47521	48049	5.07	10.65
9.1	91	48049	48577	4.93	12.61
9.2	92	48577	49105	10.46	14.51
9.3	93	49105	49633	6.34	11.01
9.4	94	49633	50161	4.18	6.15
9.5	95	50161	50689	14.88	22.07
9.6	96	50689	51217	9.78	12.34
9.7	97	51217	51745	9.74	14.28
9.8	98	51745	52273	9.81	14.84
9.9	99	52273	52801	7.48	12.87
10	100	52801	53329	9.84	10.54
10.1	101	53329	53857	6.61	14.39
10.2	102	53857	54385	8.04	12.62
10.3	103	54385	54913	8.64	10.00
10.4	104	54913	55441	8.79	13.16
10.5	105	55441	55969	8.04	10.66
10.6	106	55969	56497	9.25	11.29
10.7	107	56497	57025	9.96	13.14
10.8	108	57025	57553	10.71	12.40
10.9	109	57553	58081	9.44	11.23
11	110	58081	58609	11.19	15.77
11.1	111	58609	59137	14.45	16.99
11.2	112	59137	59665	11.17	16.45
11.3	113	59665	60193	16.23	20.84
11.4	114	60193	60721	14.03	15.51
11.5	115	60721	61249	14.35	18.96
11.6	116	61249	61777	21.54	25.79
11.7	117	61777	62305	9.90	22.37
11.8	118	62305	62833	17.30	20.08
11.9	119	62833	63361	17.52	24.49
12	120	63361	63889	13.96	23.11
12.1	121	63889	64417	11.85	20.37
12.2	122	64417	64945	11.38	16.09
12.3	123	64945	65473	14.07	18.12
12.4	124	65473	66001	10.50	16.73
12.5	125	66001	66529	15.74	15.97
12.6	126	66529	67057	10.27	13.93
12.7	127	67057	67585	11.88	18.84

12.8	128	67585	68113	8.25	15.56
12.9	129	68113	68641	10.54	12.87
13	130	68641	69169	8.05	11.29
13.1	131	69169	69697	8.97	9.45
13.2	132	69697	70225	10.99	10.08
13.3	133	70225	70753	8.58	11.89
13.4	134	70753	71281	6.00	11.47
13.5	135	71281	71809	7.55	8.39
13.6	136	71809	72337	6.62	5.45
13.7	137	72337	72865	8.61	14.23
13.8	138	72865	73393	10.46	11.80
13.9	139	73393	73921	12.31	16.46
14	140	73921	74449	11.39	15.40
14.1	141	74449	74977	8.18	12.65
14.2	142	74977	75505	11.25	17.10
14.3	143	75505	76033	12.84	17.04
14.4	144	76033	76561	10.50	18.70
14.5	145	76561	77089	9.87	13.40
14.6	146	77089	77617	14.26	15.88
14.7	147	77617	78145	12.82	20.94
14.8	148	78145	78673	11.48	13.44
14.9	149	78673	79201	14.27	15.32
15	150	79201	79729	9.74	12.93
15.1	151	79729	80257	8.97	14.08
15.2	152	80257	80785	11.73	14.12
15.3	153	80785	81313	9.81	12.36
15.4	154	81313	81841	14.59	18.06
15.5	155	81841	82369	11.29	14.53
15.6	156	82369	82897	12.44	20.36
15.7	157	82897	83425	11.66	18.89
15.8	158	83425	83953	17.06	15.00
15.9	159	83953	84481	9.69	15.34
16	160	84481	85009	13.87	16.38
16.1	161	85009	85537	9.49	11.54
16.2	162	85537	86065	10.42	13.41
16.3	163	86065	86593	8.25	9.81
16.4	164	86593	87121	10.00	9.56
16.5	165	87121	87649	5.92	11.83
16.6	166	87649	88177	7.46	11.45
16.7	167	88177	88705	7.78	9.97
16.8	168	88705	89233	11.21	11.77
16.9	169	89233	89761	10.03	12.08
17	170	89761	90289	9.01	11.52

17.1	171	90289	90817	10.07	9.24
17.2	172	90817	91345	9.81	11.98
17.3	173	91345	91873	9.20	11.45
17.4	174	91873	92401	7.69	8.88
17.5	175	92401	92929	10.08	9.65
17.6	176	92929	93457	7.68	11.40
17.7	177	93457	93985	8.71	9.94
17.8	178	93985	94513	9.06	10.87
17.9	179	94513	95041	7.34	9.72
18	180	95041	95569	9.05	9.17
18.1	181	95569	96097	8.11	7.63
18.2	182	96097	96625	7.90	10.02
18.3	183	96625	97153	9.39	8.24
18.4	184	97153	97681	8.26	9.84
18.5	185	97681	98209	8.37	11.23
18.6	186	98209	98737	7.98	10.35
18.7	187	98737	99265	6.89	9.43
18.8	188	99265	99793	6.66	9.66
18.9	189	99793	100321	10.63	10.47
19	190	100321	100849	7.01	8.95
19.1	191	100849	101377	10.29	11.60
19.2	192	101377	101905	9.20	11.15
19.3	193	101905	102433	3.65	6.02
19.4	194	102433	102961	6.84	8.89
19.5	195	102961	103489	8.32	10.65
19.6	196	103489	104017	13.20	17.79
19.7	197	104017	104545	14.79	18.47
19.8	198	104545	105073	26.34	23.07
19.9	199	105073	105601	19.31	29.19
20	200	105601	106129	22.19	23.48
20.1	201	106129	106657	21.89	23.27
20.2	202	106657	107185	21.81	28.64
20.3	203	107185	107713	4.07	11.91
20.4	204	107713	108241	8.33	28.08
20.5	205	108241	108769	8.20	22.69
20.6	206	108769	109297	5.94	22.56
20.7	207	109297	109825	5.89	11.03
20.8	208	109825	110353	5.96	6.73
20.9	209	110353	110881	8.68	7.70
21	210	110881	111409	10.37	15.75
21.1	211	111409	111937	12.00	10.03
21.2	212	111937	112465	10.20	13.50
21.3	213	112465	112993	8.36	7.42

21.4	214	112993	113521	5.96	5.59
21.5	215	113521	114049	8.67	12.18
21.6	216	114049	114577	10.65	6.74
21.7	217	114577	115105	15.48	7.28
21.8	218	115105	115633	13.16	7.77
21.9	219	115633	116161	13.79	9.23
22	220	116161	116689	10.47	29.20
22.1	221	116689	117217	14.47	28.48
22.2	222	117217	117745	2.50	3.83
22.3	223	117745	118273	4.14	5.09
22.4	224	118273	118801	12.46	14.78
22.5	225	118801	119329	11.26	6.48
22.6	226	119329	119857	10.71	6.91
22.7	227	119857	120385	5.50	11.16
22.8	228	120385	120913	4.61	10.03
22.9	229	120913	121441	4.04	10.06
23	230	121441	121969	6.95	12.83
23.1	231	121969	122497	5.79	10.02
23.2	232	122497	123025	8.21	8.98
23.3	233	123025	123553	8.61	9.93
23.4	234	123553	124081	5.71	12.07
23.5	235	124081	124609	9.35	10.77
23.6	236	124609	125137	5.00	11.55
23.7	237	125137	125665	7.88	8.89
23.8	238	125665	126193	6.72	10.11
23.9	239	126193	126721	8.63	8.97
24	240	126721	127249	7.95	7.63
24.1	241	127249	127777	7.64	11.13
24.2	242	127777	128305	8.37	13.05
24.3	243	128305	128833	7.95	11.00
24.4	244	128833	129361	7.46	9.42
24.5	245	129361	129889	6.72	8.05
24.6	246	129889	130417	7.95	8.34
24.7	247	130417	130945	7.11	7.06
24.8	248	130945	131473	6.95	7.71
24.9	249	131473	132001	5.82	8.58
25	250	132001	132529	9.93	10.55
25.1	251	132529	133057	7.63	7.38
25.2	252	133057	133585	5.23	8.14
25.3	253	133585	134113	9.27	5.94
25.4	254	134113	134641	8.22	7.35
25.5	255	134641	135169	5.71	8.66
25.6	256	135169	135697	6.76	8.42

25.7	257	135697	136225	6.58	7.48
25.8	258	136225	136753	7.11	9.30
25.9	259	136753	137281	6.88	9.74
26	260	137281	137809	7.61	8.91
26.1	261	137809	138337	8.94	7.81
26.2	262	138337	138865	9.56	8.83
26.3	263	138865	139393	6.95	8.68
26.4	264	139393	139921	8.61	7.61
26.5	265	139921	140449	7.40	9.47
26.6	266	140449	140977	9.38	11.26
26.7	267	140977	141505	6.59	6.98
26.8	268	141505	142033	7.62	8.18
26.9	269	142033	142561	8.06	7.90
27	270	142561	143089	6.52	9.91
27.1	271	143089	143617	6.13	10.71
27.2	272	143617	144145	7.61	9.62
27.3	273	144145	144673	6.15	10.00
27.4	274	144673	145201	5.19	9.23
27.5	275	145201	145729	5.62	7.14
27.6	276	145729	146257	6.76	7.90
27.7	277	146257	146785	6.60	5.28
27.8	278	146785	147313	6.43	7.40
27.9	279	147313	147841	7.20	7.98
28	280	147841	148369	9.58	7.48
28.1	281	148369	148897	7.27	8.25
28.2	282	148897	149425	7.22	10.95
28.3	283	149425	149953	6.89	7.12
28.4	284	149953	150481	7.18	8.66
28.5	285	150481	151009	5.14	3.06
28.6	286	151009	151537	5.65	6.29
28.7	287	151537	152065	6.04	5.91
28.8	288	152065	152593	6.62	9.56
28.9	289	152593	153121	10.71	7.30
29	290	153121	153649	8.90	6.22
29.1	291	153649	154177	4.86	8.00
29.2	292	154177	154705	7.88	6.61
29.3	293	154705	155233	6.77	7.99
29.4	294	155233	155761	7.13	6.95
29.5	295	155761	156289	7.21	8.75
29.6	296	156289	156817	5.74	8.01
29.7	297	156817	157345	10.75	6.74
29.8	298	157345	157873	8.72	10.11
29.9	299	157873	158401	9.48	8.43

30	300	158401	158929	11.91	7.98
30.1	301	158929	159457	6.82	6.14
30.2	302	159457	159985	8.70	7.20
30.3	303	159985	160513	9.28	8.69
30.4	304	160513	161041	11.41	6.19
30.5	305	161041	161569	6.95	7.77
30.6	306	161569	162097	11.30	7.27
30.7	307	162097	162625	8.30	5.21
30.8	308	162625	163153	9.32	7.39
30.9	309	163153	163681	8.34	8.06
31	310	163681	164209	8.34	7.38
31.1	311	164209	164737	7.71	7.38
31.2	312	164737	165265	8.41	8.88
31.3	313	165265	165793	8.25	8.08
31.4	314	165793	166321	9.43	7.38
31.5	315	166321	166849	6.56	7.64
31.6	316	166849	167377	9.07	8.41
31.7	317	167377	167905	9.09	9.38
31.8	318	167905	168433	7.47	7.23
31.9	319	168433	168961	10.42	8.55
32	320	168961	169489	9.66	9.39
32.1	321	169489	170017	8.76	9.03
32.2	322	170017	170545	9.73	11.28
32.3	323	170545	171073	8.82	8.30
32.4	324	171073	171601	9.55	9.77
32.5	325	171601	172129	8.47	6.98
32.6	326	172129	172657	8.23	8.37
32.7	327	172657	173185	4.55	7.13
32.8	328	173185	173713	8.18	8.34
32.9	329	173713	174241	11.07	8.17
33	330	174241	174769	9.38	10.07
33.1	331	174769	175297	10.26	10.50
33.2	332	175297	175825	5.49	8.24
33.3	333	175825	176353	9.93	6.47
33.4	334	176353	176881	8.16	8.68
33.5	335	176881	177409	3.59	6.51
33.6	336	177409	177937	5.37	6.44
33.7	337	177937	178465	3.69	6.38
33.8	338	178465	178993	4.69	5.64
33.9	339	178993	179521	2.38	7.07
34	340	179521	180049	5.84	6.75
34.1	341	180049	180577	5.37	7.22
34.2	342	180577	181105	5.36	7.32

34.3	343	181105	181633	4.59	6.41
34.4	344	181633	182161	2.26	6.06
34.5	345	182161	182689	6.85	5.23
34.6	346	182689	183217	1.93	5.89
34.7	347	183217	183745	8.80	6.76
34.8	348	183745	184273	6.08	8.89
34.9	349	184273	184801	2.23	5.61
35	350	184801	185329	3.57	7.78
35.1	351	185329	185857	6.98	8.42
35.2	352	185857	186385	6.10	7.48
35.3	353	186385	186913	4.78	7.97
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35.5	355	187441	187969	4.42	6.99
35.6	356	187969	188497	3.32	7.13
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35.8	358	189025	189553	7.37	6.56
35.9	359	189553	190081	6.15	5.98
36	360	190081	190609	5.72	4.96
36.1	361	190609	191137	6.51	5.73
36.2	362	191137	191665	5.27	5.04
36.3	363	191665	192193	6.13	6.90
36.4	364	192193	192721	6.73	5.22
36.5	365	192721	193249	4.83	5.98
36.6	366	193249	193777	3.23	5.30
36.7	367	193777	194305	5.12	5.99
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36.9	369	194833	195361	1.99	5.12
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37.1	371	195889	196417	3.34	6.81
37.2	372	196417	196945	8.63	7.64
37.3	373	196945	197473	5.00	6.35
37.4	374	197473	198001	6.70	8.34
37.5	375	198001	198529	3.91	6.40
37.6	376	198529	199057	5.81	7.97
37.7	377	199057	199585	7.56	9.01
37.8	378	199585	200113	5.92	6.57
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38	380	200641	201169	3.76	3.34
38.1	381	201169	201697	4.37	8.15
38.2	382	201697	202225	7.09	3.37
38.3	383	202225	202753	8.67	5.52
38.4	384	202753	203281	8.58	8.00
38.5	385	203281	203809	5.32	8.10

38.6	386	203809	204337	5.60	8.73
38.7	387	204337	204865	8.36	8.21
38.8	388	204865	205393	6.16	8.66
38.9	389	205393	205921	7.70	7.52
39	390	205921	206449	5.40	7.98
39.1	391	206449	206977	6.49	5.76
39.2	392	206977	207505	7.57	5.94
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39.9	399	210673	211201	7.97	9.94
40	400	211201	211729	7.43	8.47
40.1	401	211729	212257	13.84	15.38
40.2	402	212257	212785	7.84	11.71
40.3	403	212785	213313	6.05	6.65
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40.7	407	214897	215425	12.27	13.38
40.8	408	215425	215953	9.02	12.24
40.9	409	215953	216481	19.21	22.75
41	410	216481	217009	11.80	10.54
41.1	411	217009	217537	8.68	12.20
41.2	412	217537	218065	9.44	10.34
41.3	413	218065	218593	8.96	8.67
41.4	414	218593	219121	8.55	10.48
41.5	415	219121	219649	10.35	12.35
41.6	416	219649	220177	7.38	8.78
41.7	417	220177	220705	10.08	13.63
41.8	418	220705	221233	9.75	12.12
41.9	419	221233	221761	11.50	11.14
42	420	221761	222289	7.94	10.08
42.1	421	222289	222817	7.45	8.20
42.2	422	222817	223345	4.14	6.97
42.3	423	223345	223873	5.57	7.96
42.4	424	223873	224401	2.79	2.58
42.5	425	224401	224929	3.93	5.92
42.6	426	224929	225457	4.90	5.13
42.7	427	225457	225985	3.71	4.81
42.8	428	225985	226513	4.52	3.35

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43	430	227041	227569	5.73	4.70
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43.2	432	228097	228625	3.90	2.44
43.3	433	228625	229153	4.75	4.14
43.4	434	229153	229681	4.37	5.09
43.5	435	229681	230209	4.12	4.92
43.6	436	230209	230737	5.19	6.09
43.7	437	230737	231265	3.95	8.03
43.8	438	231265	231793	6.45	6.33
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45.1	451	238129	238657	5.21	4.31
45.2	452	238657	239185	5.16	5.13
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45.9	459	242353	242881	5.22	2.48
46	460	242881	243409	5.56	4.86
46.1	461	243409	243937	6.21	5.24
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46.7	467	246577	247105	8.29	6.54
46.8	468	247105	247633	5.63	5.45
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47	470	248161	248689	4.46	6.51
47.1	471	248689	249217	6.21	4.92

47.2	472	249217	249745	3.75	4.76
47.3	473	249745	250273	5.57	4.80
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47.5	475	250801	251329	5.45	5.85
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48.6	486	256609	257137	2.55	6.40
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49	490	258721	259249	3.70	8.98
49.1	491	259249	259777	4.19	6.95
49.2	492	259777	260305	6.45	7.67
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49.5	495	261361	261889	5.32	8.67
49.6	496	261889	262417	3.28	7.01
49.7	497	262417	262945	5.63	5.89
49.8	498	262945	263473	4.87	6.93
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64.1	641	338449	338977	7.17	7.75
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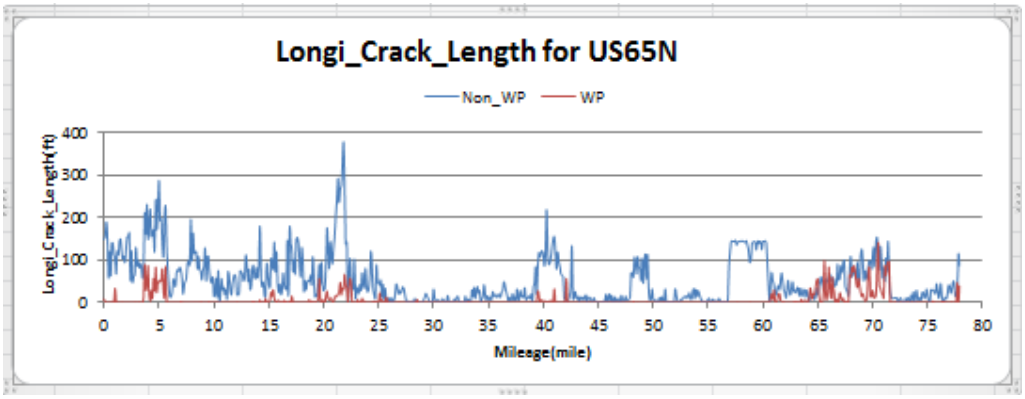
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68.4	684	361153	361681	7.59	9.69
68.5	685	361681	362209	7.83	12.93
68.6	686	362209	362737	3.19	9.41

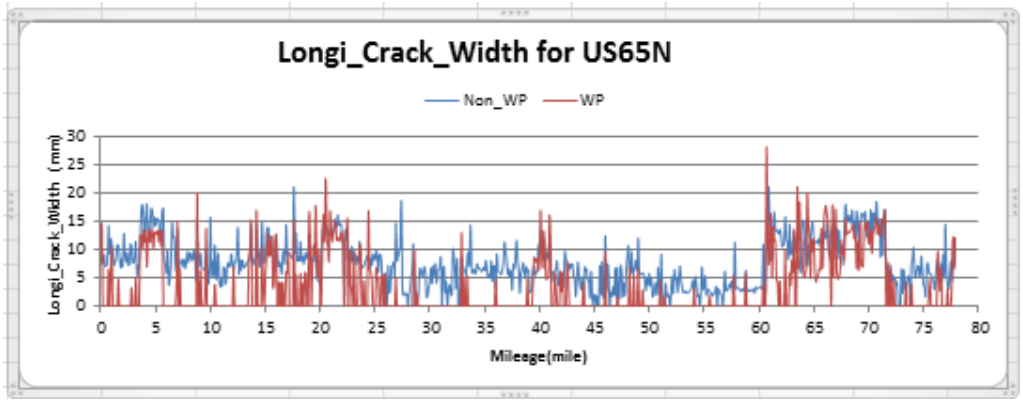
68.7	687	362737	363265	15.06	7.73
68.8	688	363265	363793	6.32	11.82
68.9	689	363793	364321	7.32	7.80
69	690	364321	364849	3.96	8.34
69.1	691	364849	365377	6.85	8.13
69.2	692	365377	365905	7.72	9.31
69.3	693	365905	366433	4.64	5.46
69.4	694	366433	366961	8.38	6.83
69.5	695	366961	367489	6.18	5.87
69.6	696	367489	368017	2.77	4.39
69.7	697	368017	368545	6.57	11.04
69.8	698	368545	369073	3.59	4.65
69.9	699	369073	369601	3.78	7.45
70	700	369601	370129	3.64	6.28
70.1	701	370129	370657	7.79	6.40
70.2	702	370657	371185	5.38	8.43
70.3	703	371185	371713	7.31	7.40
70.4	704	371713	372241	5.77	9.24
70.5	705	372241	372769	6.33	11.44
70.6	706	372769	373297	7.97	9.63
70.7	707	373297	373825	8.09	9.33
70.8	708	373825	374353	6.97	6.37
70.9	709	374353	374881	6.94	6.61
71	710	374881	375409	5.86	10.26
71.1	711	375409	375937	7.95	7.30
71.2	712	375937	376465	8.08	9.79
71.3	713	376465	376993	5.03	6.91
71.4	714	376993	377521	7.60	10.87
71.5	715	377521	378049	11.64	10.32
71.6	716	378049	378577	3.56	5.17
71.7	717	378577	379105	5.42	9.40
71.8	718	379105	379633	4.27	7.02
71.9	719	379633	380161	5.39	7.23
72	720	380161	380689	5.51	8.49
72.1	721	380689	381217	5.09	7.98
72.2	722	381217	381745	5.82	8.46
72.3	723	381745	382273	5.15	7.67
72.4	724	382273	382801	4.32	7.81
72.5	725	382801	383329	1.51	5.59
72.6	726	383329	383857	5.96	8.05
72.7	727	383857	384385	5.11	6.23
72.8	728	384385	384913	4.86	6.66
72.9	729	384913	385441	6.72	6.14

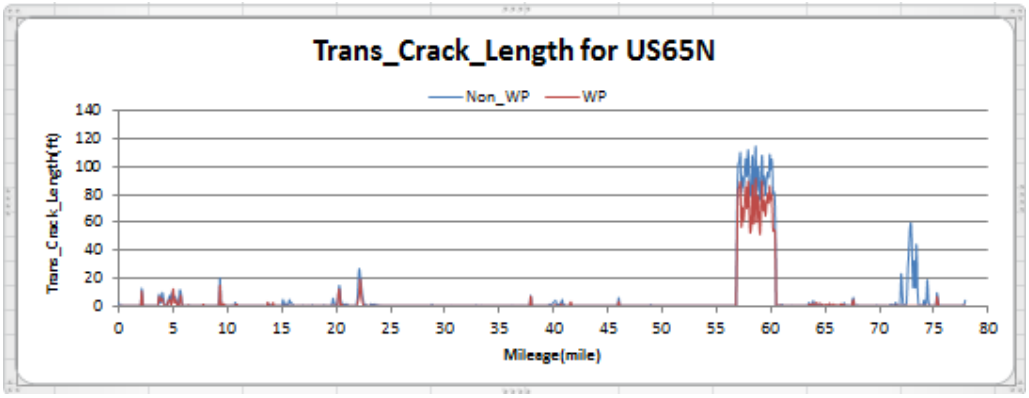
73	730	385441	385969	4.52	7.60
73.1	731	385969	386497	4.74	6.93
73.2	732	386497	387025	4.99	6.91
73.3	733	387025	387553	7.37	6.05
73.4	734	387553	388081	5.16	5.57
73.5	735	388081	388609	7.50	6.74
73.6	736	388609	389137	4.83	7.17
73.7	737	389137	389665	5.16	6.13
73.8	738	389665	390193	8.67	6.08
73.9	739	390193	390721	7.25	7.97
74	740	390721	391249	5.28	7.75
74.1	741	391249	391777	4.60	6.97
74.2	742	391777	392305	4.39	6.76
74.3	743	392305	392833	3.52	7.01
74.4	744	392833	393361	9.40	7.41
74.5	745	393361	393889	5.66	6.99
74.6	746	393889	394417	7.68	6.32
74.7	747	394417	394945	5.70	5.77
74.8	748	394945	395473	6.41	8.92
74.9	749	395473	396001	6.80	7.00
75	750	396001	396529	7.56	7.67
75.1	751	396529	397057	4.22	6.78
75.2	752	397057	397585	5.76	8.37
75.3	753	397585	398113	6.22	7.38
75.4	754	398113	398641	5.83	8.49
75.5	755	398641	399169	5.09	3.11
75.6	756	399169	399697	3.43	4.44
75.7	757	399697	400225	6.00	2.69
75.8	758	400225	400753	4.56	3.31
75.9	759	400753	401281	4.12	2.57
76	760	401281	401809	4.80	3.38
76.1	761	401809	402337	5.94	2.46
76.2	762	402337	402865	5.16	2.57
76.3	763	402865	403393	6.06	5.36
76.4	764	403393	403921	3.57	2.76
76.5	765	403921	404449	3.74	2.78
76.6	766	404449	404977	3.47	3.15
76.7	767	404977	405505	5.68	5.51
76.8	768	405505	406033	5.75	5.71
76.9	769	406033	406561	5.40	3.45
77	770	406561	407089	4.13	6.29
77.1	771	407089	407617	4.37	4.36
77.2	772	407617	408145	6.32	4.46

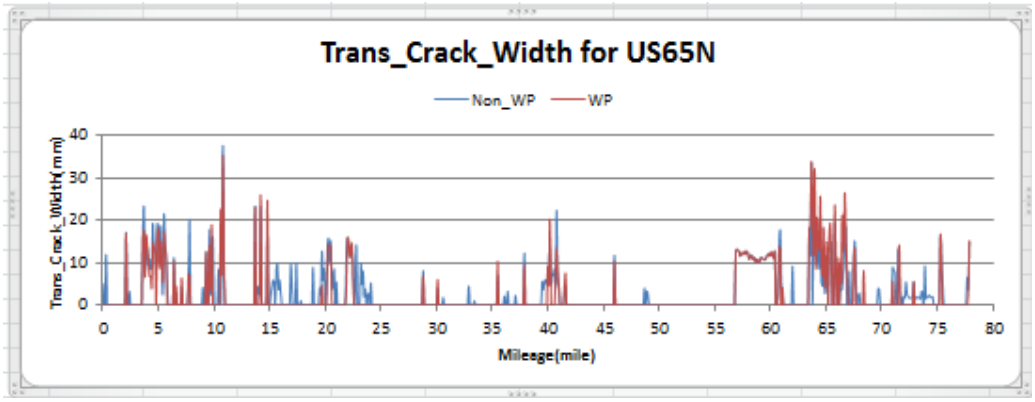
77.3	773	408145	408673	6.00	3.11
77.4	774	408673	409201	6.95	4.81
77.5	775	409201	409729	5.07	5.53
77.6	776	409729	410257	4.33	2.82
77.7	777	410257	410785	5.89	3.58
77.8	778	410785	411313	6.82	5.39
77.9	779	411313	411841	7.85	16.64

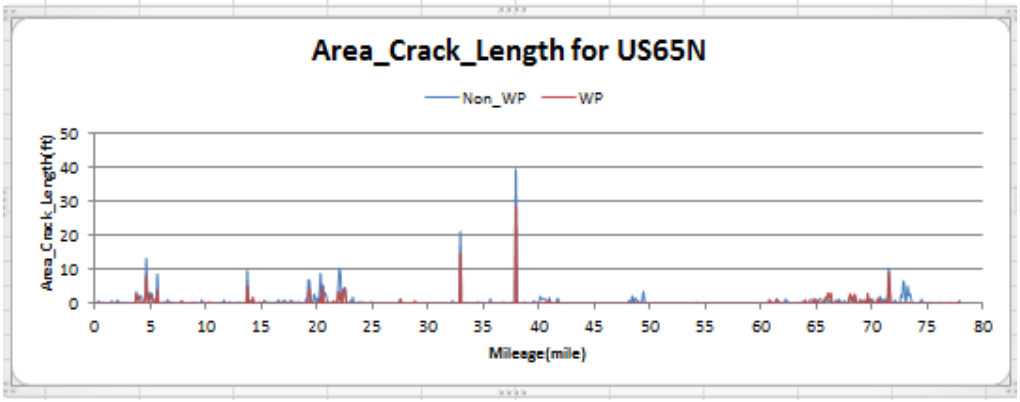
Cracking Data

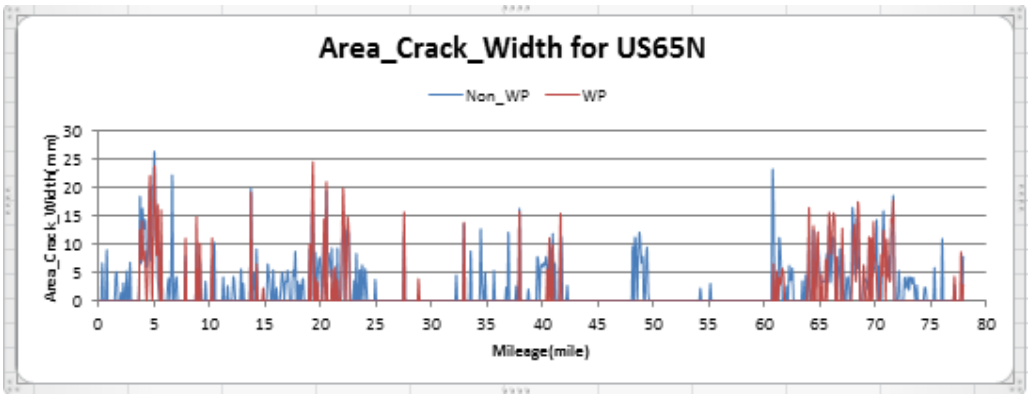







Trans_Crack_Width for US65N
Non_WP
WP
Trans_Crack_Width(mm)
0
10
20
30
40
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)


Area_Crack_Length for US65N
Non_WP
WP
Area_Crack_Length(ft)
0
10
20
30
40
50
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)


Area_Crack_Width for US65N
Non_WP
WP
Area_Crack_Width(mm)
0
5
10
15
20
25
30
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	148.54	8.51	12.35	7.83	2.19	0.00	5.15	0.00	0.00	0.00	0.00	0.00
0.1	157.85	0.34	7.57	14.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.2	190.02	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.3	161.08	0.00	9.30	0.00	0.50	0.00	11.98	0.00	0.91	0.00	6.78	0.00
0.4	57.47	0.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.5	120.76	0.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.6	62.92	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.7	140.56	1.50	14.37	6.65	0.00	0.00	0.00	0.00	0.49	0.00	9.08	0.00
0.8	140.02	0.00	9.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.9	113.40	0.66	12.02	5.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	103.17	33.40	11.00	10.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.1	67.02	0.00	9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.2	120.64	0.00	7.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.3	111.53	0.00	7.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.4	143.69	0.00	8.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.5	149.79	0.00	10.95	0.00	0.00	0.00	0.00	0.00	0.90	0.00	4.34	0.00
1.6	118.21	1.12	10.88	4.89	0.00	0.00	0.00	0.00	0.39	0.00	5.16	0.00
1.7	102.20	0.00	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.8	109.05	0.00	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.9	94.06	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	125.85	0.00	7.14	0.00	0.00	0.00	0.00	0.00	1.10	0.00	1.56	0.00
2.1	155.01	0.00	13.01	0.00	12.83	10.75	17.22	16.93	0.00	0.00	0.00	0.00
2.2	155.20	0.00	9.33	0.00	0.00	0.00	0.00	0.00	0.55	0.00	3.27	0.00
2.3	164.32	0.00	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.4	51.92	0.00	9.59	0.00	0.47	0.00	3.33	0.00	0.00	0.00	0.00	0.00
2.5	122.07	0.00	7.31	0.00	0.00	0.00	0.00	0.00	0.47	0.00	5.34	0.00
2.6	48.29	0.00	7.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.7	61.88	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.8	64.74	0.99	10.74	3.40	0.00	0.00	0.00	0.00	0.45	0.00	6.88	0.00
2.9	129.77	0.00	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	87.11	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.1	99.55	0.00	9.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.2	81.58	1.08	11.45	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.3	92.08	0.00	5.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	83.16	0.00	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	56.39	0.00	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.6	86.19	12.06	12.35	12.67	0.75	1.74	16.33	15.75	0.00	0.00	0.00	0.00
3.7	210.74	89.69	17.42	12.65	8.63	7.07	23.27	17.66	3.53	2.96	18.50	12.50
3.8	161.40	29.67	18.10	10.37	2.00	4.08	8.40	6.65	1.31	1.08	6.61	7.41
3.9	231.08	44.59	15.35	13.71	2.88	3.60	12.34	16.35	0.79	2.20	16.22	14.17

4	149.82	87.07	12.37	11.41	9.83	5.46	13.59	14.09	2.25	1.48	13.19	7.33
4.1	182.53	20.25	15.54	13.40	5.46	1.66	9.36	11.26	2.34	0.27	12.77	8.92
4.2	220.06	3.06	18.17	7.00	1.39	0.61	10.96	6.91	1.68	0.35	14.32	4.75
4.3	155.54	28.58	13.13	11.88	0.52	0.32	8.50	6.92	1.02	0.00	6.16	0.00
4.4	160.98	9.47	12.82	13.21	0.46	0.37	8.89	4.19	0.61	0.39	7.54	5.02
4.5	170.90	56.95	14.86	11.36	1.76	2.73	19.34	14.80	1.92	1.43	10.15	16.30
4.6	120.22	27.23	17.41	13.89	6.20	4.57	13.51	13.75	13.37	8.38	20.13	22.03
4.7	242.69	83.44	16.95	12.94	7.54	4.43	12.65	12.27	2.31	2.13	7.10	9.77
4.8	171.33	23.85	14.04	10.22	1.43	0.00	9.20	0.00	0.89	0.00	20.30	0.00
4.9	220.81	49.94	15.83	13.23	10.24	5.46	19.23	16.13	3.37	1.66	20.40	15.39
5	287.82	46.93	14.44	13.26	8.14	12.47	18.15	18.17	2.43	2.57	26.23	23.92
5.1	192.85	52.44	15.58	12.75	6.77	2.16	9.60	8.72	3.02	0.82	10.77	13.62
5.2	198.43	50.65	15.61	13.53	6.54	4.95	18.79	15.14	1.62	1.03	11.42	8.13
5.3	141.29	79.44	14.96	11.48	4.08	2.72	9.72	10.39	0.57	1.14	3.92	17.06
5.4	108.44	29.49	13.09	13.26	0.51	0.38	2.87	5.56	0.31	0.98	1.98	4.20
5.5	195.26	12.10	13.89	10.70	0.55	0.23	21.29	17.11	0.00	0.00	0.00	0.00
5.6	227.42	85.46	16.80	13.42	11.64	3.80	14.85	13.61	8.72	4.09	10.40	16.14
5.7	130.50	0.00	17.42	0.00	10.10	7.69	11.84	11.61	0.00	0.00	0.00	0.00
5.8	80.61	0.00	8.12	0.00	0.87	0.00	4.35	0.00	0.00	0.00	0.00	0.00
5.9	35.26	0.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	12.85	0.00	5.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.1	12.93	0.00	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.2	26.16	0.00	3.95	0.00	0.00	0.00	0.00	0.00	0.49	0.00	2.88	0.00
6.3	54.70	0.00	5.27	0.00	0.00	0.00	0.00	0.00	0.43	0.00	4.01	0.00
6.4	53.91	0.00	7.97	0.00	0.53	0.83	11.26	10.45	0.00	0.00	0.00	0.00
6.5	37.58	0.00	14.82	0.00	0.00	0.00	0.00	0.00	1.04	0.00	5.37	0.00
6.6	70.25	0.00	12.21	0.00	0.53	0.35	3.01	4.51	0.89	0.00	22.28	0.00
6.7	77.53	0.00	12.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.8	73.85	0.00	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.9	83.64	0.53	6.46	3.86	0.00	0.00	0.00	0.00	0.47	0.00	3.68	0.00
7	74.79	2.36	13.73	14.98	0.00	0.00	0.00	0.00	0.40	0.00	4.29	0.00
7.1	54.54	0.00	6.83	0.00	0.01	0.37	4.32	6.48	0.00	0.00	0.00	0.00
7.2	20.24	1.25	7.58	6.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.3	41.97	0.00	7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.4	50.39	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	58.34	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.6	93.24	0.00	8.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.7	99.14	0.00	6.75	0.00	0.16	0.83	4.89	7.34	0.00	0.00	0.00	0.00
7.8	88.49	0.00	8.09	0.00	0.97	1.35	20.27	6.36	0.89	0.80	8.04	11.12
7.9	195.91	0.00	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	97.93	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.1	163.91	0.00	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	115.13	0.00	9.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.3	116.36	0.00	8.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.4	120.06	0.00	8.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	78.61	0.00	10.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	108.41	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	80.26	0.00	4.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.8	73.58	1.97	14.68	20.13	0.00	0.00	0.00	0.00	0.55	0.33	9.95	14.92
8.9	53.24	0.00	7.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	74.59	0.00	8.66	0.00	0.48	0.00	4.27	0.00	0.00	0.00	0.00	0.00
9.1	86.81	0.03	9.43	6.48	0.00	0.00	0.00	0.00	0.54	0.02	6.83	10.25
9.2	128.61	0.00	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.3	50.77	0.00	6.82	0.00	20.12	14.98	12.79	12.47	0.00	0.00	0.00	0.00
9.4	108.91	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	109.26	0.97	6.79	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.6	69.86	1.47	10.35	13.85	0.88	1.96	17.85	14.16	1.14	0.00	3.55	0.00
9.7	50.88	0.00	6.97	0.00	0.08	0.40	2.52	3.79	0.00	0.00	0.00	0.00
9.8	46.58	0.00	3.96	0.00	0.16	0.80	12.69	19.03	0.00	0.00	0.00	0.00
9.9	59.21	0.00	6.94	0.00	0.43	0.00	15.89	0.00	0.00	0.00	0.00	0.00
10	14.94	0.00	15.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.1	23.03	0.00	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.2	57.83	0.00	8.08	0.00	0.00	0.00	0.00	0.00	0.07	0.58	7.45	11.17
10.3	12.55	0.00	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.4	75.45	0.52	10.89	3.94	0.51	0.00	8.51	0.00	0.45	0.00	10.40	0.00
10.5	3.50	0.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.6	20.41	0.00	5.62	0.00	0.00	0.39	0.00	22.66	0.00	0.00	0.00	0.00
10.7	56.10	0.00	9.44	0.00	2.75	0.35	14.00	7.22	0.00	0.00	0.00	0.00
10.8	29.70	0.00	4.44	0.00	0.24	1.20	37.64	35.32	0.00	0.00	0.00	0.00
10.9	35.95	0.00	3.46	0.00	0.21	1.25	7.54	11.31	0.00	0.00	0.00	0.00
11	18.84	0.00	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.1	31.58	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.2	8.41	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.49	0.00	4.31	0.00
11.3	71.66	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.4	56.48	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.5	26.23	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.6	18.35	0.00	7.80	0.00	0.00	0.00	0.00	0.00	1.09	0.00	2.79	0.00
11.7	46.84	0.00	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.8	59.53	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.9	65.90	0.00	9.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	54.77	0.00	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.1	18.59	1.13	6.48	7.18	0.00	0.00	0.00	0.00	0.50	0.00	4.30	0.00
12.2	17.62	0.00	7.96	0.00	0.00	0.00	0.00	0.00	0.50	0.00	3.34	0.00
12.3	20.66	0.00	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.4	75.19	0.00	9.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	72.11	0.00	14.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.6	66.46	0.00	5.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.7	50.31	0.00	8.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.8	59.36	0.00	6.49	0.00	0.00	0.00	0.00	0.00	0.47	0.00	5.71	0.00
12.9	111.07	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	91.41	0.00	7.44	0.00	0.00	0.00	0.00	0.00	0.51	0.00	3.18	0.00
13.1	49.33	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.2	78.87	0.00	7.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.3	30.62	0.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.4	39.17	0.00	8.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	81.75	2.18	8.21	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.6	88.02	0.53	8.31	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.7	57.95	2.07	14.61	15.06	2.13	2.85	23.39	23.15	9.73	5.28	19.99	19.32
13.8	56.08	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.9	81.85	0.00	7.47	0.00	1.39	0.00	4.45	0.00	0.52	0.00	3.99	0.00
14	58.12	0.00	8.42	0.00	0.46	0.00	3.64	0.00	1.02	0.00	4.96	0.00
14.1	92.61	0.00	9.12	0.00	0.13	0.36	2.66	3.99	0.00	0.00	0.00	0.00
14.2	179.80	6.13	14.73	17.04	0.41	2.56	23.39	26.05	1.13	1.98	9.24	6.65
14.3	52.67	0.00	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.4	37.14	0.00	9.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	47.79	0.00	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.6	16.51	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.7	12.10	9.53	15.10	10.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.8	90.63	0.37	8.63	4.09	0.04	0.37	16.51	24.77	0.00	0.57	0.00	2.38
14.9	70.03	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	42.63	0.47	8.65	5.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.1	34.82	4.96	12.95	8.53	4.79	0.00	2.50	0.00	0.00	0.00	0.00	0.00
15.2	103.67	24.45	14.07	13.02	0.81	0.00	4.42	0.00	0.95	0.00	6.43	0.00
15.3	95.64	15.35	13.89	8.88	2.16	0.00	5.93	0.00	0.90	0.00	4.85	0.00
15.4	79.99	30.54	9.93	11.56	1.37	0.00	5.66	0.00	0.37	0.00	3.18	0.00
15.5	142.56	8.66	12.41	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	71.74	3.02	10.08	12.44	1.88	0.00	8.47	0.00	0.00	0.00	0.00	0.00
15.7	120.19	0.52	8.34	3.34	4.65	0.00	9.95	0.00	0.52	0.00	5.56	0.00
15.8	45.89	4.91	6.10	4.28	1.37	0.00	3.79	0.00	0.00	0.00	0.00	0.00
15.9	24.16	4.55	8.73	11.79	2.30	0.00	5.95	0.00	0.00	0.00	0.00	0.00
16	43.80	2.86	12.63	12.80	1.30	0.00	2.82	0.00	0.49	0.00	2.43	0.00
16.1	18.46	0.00	9.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.2	24.84	1.29	7.10	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.3	69.55	0.00	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.4	40.84	5.10	6.88	4.27	0.00	0.00	0.00	0.00	0.53	0.00	2.63	0.00
16.5	32.19	0.00	5.83	0.00	0.00	0.00	0.00	0.00	1.12	0.00	5.18	0.00
16.6	30.56	2.12	9.49	4.35	0.00	0.00	0.00	0.00	0.45	0.00	3.82	0.00
16.7	146.99	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.8	15.77	0.00	7.68	0.00	0.00	0.00	0.00	0.00	0.61	0.00	3.47	0.00

16.9	175.96	2.54	14.53	6.26	0.46	0.00	9.64	0.00	0.55	0.00	3.37	0.00
17	138.55	0.41	9.31	5.85	0.39	0.00	5.21	0.00	0.59	0.00	5.49	0.00
17.1	129.06	15.26	9.59	9.67	0.00	0.00	0.00	0.00	1.10	0.00	3.33	0.00
17.2	72.68	0.00	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.3	101.53	0.00	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.4	66.96	0.00	8.68	0.00	0.45	0.00	10.04	0.00	0.00	0.00	0.00	0.00
17.5	149.61	0.00	8.57	0.00	0.00	0.00	0.00	0.00	0.54	0.00	5.43	0.00
17.6	153.64	0.25	21.22	15.36	0.00	0.00	0.00	0.00	0.99	0.00	4.44	0.00
17.7	138.52	0.00	9.63	0.00	0.00	0.00	0.00	0.00	0.86	0.00	8.78	0.00
17.8	88.65	0.31	13.12	5.73	0.94	0.00	1.15	0.00	0.00	0.00	0.00	0.00
17.9	61.72	0.00	8.10	0.00	0.00	0.00	0.00	0.00	0.52	0.00	3.55	0.00
18	129.20	0.00	8.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.1	98.32	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.51	0.00	2.93	0.00
18.2	26.29	0.45	11.49	5.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.3	51.38	0.00	8.13	0.00	0.00	0.00	0.00	0.00	0.51	0.00	3.33	0.00
18.4	30.25	0.46	8.99	4.10	0.00	0.00	0.00	0.00	0.47	0.00	3.97	0.00
18.5	49.39	0.00	7.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.6	50.94	4.51	8.77	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.7	50.19	6.03	9.58	5.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.8	63.85	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.9	42.25	0.00	9.81	0.00	0.88	0.00	8.95	0.00	0.00	0.00	0.00	0.00
19	108.13	3.01	13.03	16.65	0.00	0.00	0.00	0.00	1.32	0.36	9.19	10.08
19.1	67.83	1.03	7.91	8.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.2	13.23	0.00	8.03	0.00	0.00	0.00	0.00	0.00	7.00	2.83	15.82	18.16
19.3	18.78	0.25	8.40	7.74	0.00	0.00	0.00	0.00	6.79	4.31	15.31	24.07
19.4	14.79	3.78	7.98	10.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.5	54.63	8.41	11.12	9.30	0.40	0.00	4.12	0.00	0.68	0.45	8.67	4.18
19.6	90.38	57.03	10.41	17.95	0.41	0.00	2.61	0.00	0.00	0.00	0.00	0.00
19.7	42.76	2.25	4.87	7.35	5.65	0.61	12.80	4.72	2.80	0.02	4.41	3.44
19.8	94.52	0.58	4.57	5.12	1.69	0.00	5.94	0.00	1.76	0.00	7.24	0.00
19.9	42.38	7.14	4.35	9.89	1.97	0.00	8.59	0.00	0.78	0.00	7.71	0.00
20	27.70	0.00	4.14	0.00	0.00	0.00	0.00	0.00	1.49	0.00	3.86	0.00
20.1	33.05	0.00	4.43	0.00	0.81	0.00	3.75	0.00	0.00	0.00	0.00	0.00
20.2	78.92	15.86	12.64	11.40	9.20	9.24	14.12	12.16	3.50	0.45	8.45	5.84
20.3	175.22	26.99	14.42	16.31	14.94	12.07	15.85	14.38	8.92	2.21	11.47	14.49
20.4	127.63	8.45	13.97	11.49	5.44	0.33	9.67	14.32	1.60	0.00	4.93	0.00
20.5	79.89	6.03	14.29	22.72	2.22	1.56	15.11	13.63	5.60	4.94	19.54	21.10
20.6	143.14	10.69	14.42	12.20	0.48	0.00	3.82	0.00	2.27	0.00	8.54	0.00
20.7	108.80	8.39	12.68	10.69	0.98	0.00	4.59	0.00	3.18	0.00	8.47	0.00
20.8	91.23	0.67	12.31	8.11	1.47	0.00	8.50	0.00	2.67	0.00	6.23	0.00
20.9	131.11	1.44	13.56	16.87	0.00	0.00	0.00	0.00	0.58	0.00	4.34	0.00
21	159.14	13.68	13.81	13.56	1.80	0.00	5.53	0.00	0.68	0.54	9.35	5.64
21.1	203.28	14.68	12.57	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

21.2	245.00	13.78	13.24	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.3	292.58	20.48	15.44	13.79	0.00	0.00	0.00	0.00	0.47	0.08	4.06	6.09
21.4	235.57	22.69	14.80	15.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.5	266.81	47.27	14.01	11.77	0.00	0.00	0.00	0.00	0.72	0.85	9.41	3.77
21.6	274.97	17.73	16.28	12.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.7	318.92	34.70	14.45	11.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.8	378.60	30.15	14.46	11.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.9	289.44	66.42	14.70	13.20	2.45	1.32	12.58	4.97	5.51	3.67	10.10	9.75
22	137.81	42.75	12.14	12.55	10.81	3.09	15.94	16.05	10.45	1.17	11.63	19.97
22.1	142.46	31.90	12.02	10.05	26.59	7.44	14.56	15.48	8.17	3.04	12.99	13.40
22.2	0.00	0.00	0.00	0.00	21.39	19.46	11.39	11.43	0.00	0.00	0.00	0.00
22.3	54.53	36.43	13.41	13.39	15.13	10.28	13.83	13.43	3.84	0.80	12.33	6.86
22.4	104.26	57.71	11.83	13.06	7.26	3.15	13.05	14.57	4.45	3.95	12.80	14.88
22.5	52.75	42.01	14.05	15.43	3.94	0.73	10.14	4.66	4.74	4.28	11.82	12.48
22.6	30.63	0.00	8.35	0.00	0.00	0.00	0.00	0.00	1.07	0.00	3.85	0.00
22.7	30.72	0.85	9.87	9.79	0.90	0.00	3.76	0.00	0.00	0.00	0.00	0.00
22.8	102.34	0.01	7.81	4.15	0.97	0.00	14.28	0.00	0.00	0.00	0.00	0.00
22.9	10.91	0.42	10.67	2.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	35.78	0.00	8.01	0.00	0.00	0.00	0.00	0.00	0.88	0.00	3.68	0.00
23.1	28.02	6.71	9.48	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.2	21.46	0.00	8.73	0.00	1.75	0.00	10.01	0.00	1.94	0.00	8.45	0.00
23.3	42.46	0.00	7.41	0.00	0.87	0.00	4.93	0.00	0.00	0.00	0.00	0.00
23.4	28.81	0.00	8.97	0.00	1.41	0.00	8.11	0.00	0.00	0.00	0.00	0.00
23.5	70.29	10.00	8.13	6.60	0.42	0.00	2.11	0.00	0.34	0.00	5.59	0.00
23.6	40.90	2.51	11.63	11.05	1.63	0.00	3.88	0.00	0.00	0.00	0.00	0.00
23.7	34.10	3.87	8.40	9.77	0.00	0.00	0.00	0.00	0.54	0.00	6.28	0.00
23.8	80.78	0.00	6.81	0.00	0.49	0.00	2.69	0.00	0.43	0.00	4.29	0.00
23.9	39.35	0.00	7.14	0.00	0.49	0.00	2.79	0.00	0.00	0.00	0.00	0.00
24	24.62	0.37	7.23	4.61	0.00	0.00	0.00	0.00	0.47	0.00	5.70	0.00
24.1	31.69	0.00	7.92	0.00	0.50	0.00	5.32	0.00	0.57	0.00	3.02	0.00
24.2	56.37	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.3	121.21	0.00	8.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.4	80.54	0.10	7.75	16.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.5	31.04	2.08	6.70	6.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.6	18.06	0.50	8.65	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.7	9.27	3.81	7.28	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.8	89.00	0.00	9.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.9	48.08	0.00	8.89	0.00	0.00	0.00	0.00	0.00	0.64	0.00	3.86	0.00
25	48.14	0.00	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.1	40.21	22.90	9.96	6.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.2	52.77	4.30	8.92	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.3	12.25	6.50	6.08	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.4	42.77	0.00	9.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

25.5	7.11	0.00	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.6	33.50	1.96	7.39	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.7	2.04	13.19	2.31	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.9	11.51	0.65	5.94	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	5.94	0.00	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.2	10.94	0.00	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.3	1.49	0.00	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.4	6.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.5	18.86	0.00	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.6	43.45	0.00	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.7	37.95	0.00	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.8	20.22	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.9	28.18	1.17	14.81	5.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	21.21	0.00	8.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.1	26.99	0.00	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.2	37.01	0.00	9.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.3	32.25	0.00	10.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.4	17.85	0.00	18.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	4.11	0.00	2.94	0.00	0.00	0.00	0.00	0.00	1.45	1.32	12.31	15.75
27.6	2.01	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.7	4.07	0.00	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.8	1.01	0.00	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.9	0.52	0.00	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.1	4.07	0.00	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.2	0.52	0.00	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.3	9.48	0.00	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.4	1.02	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.5	4.74	7.05	10.95	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.6	0.00	0.47	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.7	1.53	0.00	2.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.8	0.00	0.48	0.00	2.60	1.52	0.41	8.21	6.98	0.00	0.92	0.00	4.00
28.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.91	0.00	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.1	5.99	0.00	6.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.2	12.71	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.3	21.84	0.00	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.4	15.38	0.00	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.5	10.99	0.00	7.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.6	3.79	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.7	0.46	0.00	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

29.8	2.57	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.9	1.45	0.00	3.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	31.51	0.00	4.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.1	12.58	0.00	6.86	0.00	0.12	0.37	4.08	6.12	0.00	0.00	0.00	0.00
30.2	2.43	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.3	5.07	0.00	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.4	6.39	0.00	5.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.5	3.01	0.00	7.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.6	1.46	0.00	4.18	0.00	0.48	0.00	1.89	0.00	0.00	0.00	0.00	0.00
30.7	4.03	0.00	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.8	8.98	0.00	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.9	6.86	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	2.87	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.2	5.39	0.00	6.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.3	16.62	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.4	4.06	0.00	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.5	0.46	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.7	0.43	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.8	2.88	0.00	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.9	8.52	0.00	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	3.92	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.1	12.00	0.00	10.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.2	14.91	0.00	8.79	0.00	0.00	0.00	0.00	0.00	0.91	0.00	4.65	0.00
32.3	3.89	0.00	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.4	2.15	0.00	3.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	1.38	0.00	8.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.8	1.33	0.00	5.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.9	15.11	0.25	8.70	13.12	0.85	0.00	4.57	0.00	21.23	14.93	13.73	13.93
33	1.89	0.00	7.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.1	5.85	2.02	6.61	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.2	8.35	0.00	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.3	2.24	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.4	3.44	1.54	8.39	5.46	0.48	0.00	1.10	0.00	0.00	0.00	0.00	0.00
33.5	30.26	0.00	9.67	0.00	0.00	0.00	0.00	0.00	0.48	0.00	8.88	0.00
33.6	14.40	0.00	7.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.7	35.85	0.00	14.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.8	9.05	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.9	26.28	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	37.64	0.00	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

34.1	21.65	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.2	28.11	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.3	0.48	0.00	7.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.4	8.84	0.00	6.85	0.00	0.00	0.00	0.00	0.00	0.47	0.00	12.72	0.00
34.5	12.90	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.49	0.00	4.61	0.00
34.6	41.79	0.00	6.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.7	22.03	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.8	4.72	0.00	6.54	0.00	0.00	0.00	0.00	0.00	0.46	0.00	5.18	0.00
34.9	15.99	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	9.79	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.1	5.29	0.00	8.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.2	13.42	0.00	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.3	6.93	0.00	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.4	25.99	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.5	14.24	0.00	5.11	0.00	0.08	0.31	6.95	10.43	0.00	0.00	0.00	0.00
35.6	17.00	0.00	8.16	0.00	0.00	0.00	0.00	0.00	1.40	0.00	5.45	0.00
35.7	18.19	0.00	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.8	11.64	0.00	7.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.9	17.59	0.00	7.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	19.08	0.02	3.25	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.1	12.07	0.00	9.32	0.00	0.46	0.00	2.21	0.00	0.00	0.00	0.00	0.00
36.2	24.99	0.00	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.3	26.98	0.00	6.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.4	48.64	0.00	6.03	0.00	0.48	0.00	3.35	0.00	0.00	0.00	0.00	0.00
36.5	41.40	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.6	27.30	0.00	6.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.7	18.07	0.00	7.62	0.00	0.00	0.00	0.00	0.00	0.52	0.00	2.51	0.00
36.8	5.32	0.00	11.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.9	12.28	0.00	9.84	0.00	0.00	0.00	0.00	0.00	0.48	0.00	12.22	0.00
37	2.84	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.1	8.06	0.00	5.71	0.00	0.48	0.00	2.38	0.00	0.00	0.00	0.00	0.00
37.2	21.00	0.00	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.3	5.45	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.4	13.42	0.00	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	3.84	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.6	31.71	0.00	7.48	0.00	0.00	0.00	0.00	0.00	0.49	0.00	2.72	0.00
37.7	8.27	0.00	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.8	5.40	0.00	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.9	28.90	0.00	11.76	0.00	7.62	7.13	12.34	9.58	39.57	28.73	16.39	15.87
38	14.43	0.00	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.1	16.60	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.2	12.04	0.00	2.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.3	35.06	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

38.4	7.62	0.00	6.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.5	7.19	0.00	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.6	14.00	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.7	13.86	0.00	4.96	0.00	0.00	0.00	0.00	0.00	0.53	0.00	2.17	0.00
38.8	9.20	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.9	20.09	0.38	6.21	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	2.39	0.00	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.1	36.01	0.00	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.2	46.70	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.3	84.83	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.4	19.39	0.22	5.94	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.5	87.09	27.32	7.28	8.77	0.48	0.00	5.56	0.00	0.80	0.00	7.81	0.00
39.6	117.44	16.54	5.58	8.38	0.59	0.00	3.66	0.00	0.42	0.00	7.08	0.00
39.7	106.83	0.34	6.11	7.86	1.64	0.00	5.55	0.00	0.00	0.00	0.00	0.00
39.8	119.63	6.76	6.29	8.49	0.89	0.00	6.15	0.00	0.41	0.00	5.80	0.00
39.9	121.98	3.10	10.97	6.31	1.40	0.00	5.00	0.00	0.37	0.00	6.56	0.00
40	112.46	2.24	10.14	8.87	2.82	0.25	6.39	9.09	0.78	0.00	5.99	0.00
40.1	85.91	4.88	13.62	17.07	3.40	0.36	10.23	4.97	2.18	0.00	6.82	0.00
40.2	118.61	2.05	10.09	8.77	4.02	1.17	13.68	20.34	1.43	0.00	6.39	0.00
40.3	218.87	0.73	10.76	6.88	0.41	0.00	4.98	0.00	1.08	0.00	7.86	0.00
40.4	115.63	1.24	12.22	13.46	1.30	0.00	7.32	0.00	1.35	0.13	4.49	5.57
40.5	89.63	2.07	8.01	8.59	0.84	0.00	7.13	0.00	1.46	0.00	5.22	0.00
40.6	94.21	4.53	8.60	4.81	2.16	0.00	8.51	0.00	1.10	0.45	9.70	11.21
40.7	109.23	4.28	9.67	5.13	1.32	1.83	4.35	6.11	0.49	0.00	8.39	0.00
40.8	129.59	0.12	8.56	5.49	4.78	0.34	22.43	13.38	0.00	0.00	0.00	0.00
40.9	149.73	2.53	12.35	16.10	0.08	0.37	5.17	7.76	1.78	0.88	11.96	10.02
41	155.26	32.02	8.57	12.17	1.21	0.31	4.43	4.90	0.00	0.00	0.00	0.00
41.1	124.52	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.55	0.00	6.74	0.00
41.2	78.85	0.00	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.3	118.91	0.00	5.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.4	98.49	0.42	6.37	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.5	83.92	0.30	6.80	3.27	0.30	1.90	3.01	4.51	0.00	0.00	0.00	0.00
41.6	68.15	0.00	8.07	0.00	1.43	3.08	4.74	7.51	1.36	0.46	11.54	15.53
41.7	63.44	0.00	4.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	9.90	0.00
41.8	60.89	0.00	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.9	7.56	1.32	6.02	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	11.78	2.47	5.72	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.1	3.60	56.46	4.29	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.2	1.44	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.36	0.00	2.83	0.00
42.3	7.54	0.00	9.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.4	16.11	0.00	8.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	35.01	0.19	8.01	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.6	133.61	0.32	6.05	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

42.7	8.10	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.8	8.59	0.00	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.9	25.89	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	13.92	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.1	7.35	0.00	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.2	14.03	0.00	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.3	1.51	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.4	13.01	0.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.5	9.04	0.00	7.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.6	12.51	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.7	3.93	0.00	4.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.8	15.66	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.9	17.61	0.00	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.51	0.00	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.1	11.52	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.2	13.16	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.3	8.75	0.00	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.4	2.42	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.5	3.75	0.00	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.6	11.57	0.00	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.7	4.50	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.8	2.05	0.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	2.05	0.00	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.1	0.49	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.3	2.05	0.00	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.5	3.52	0.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.6	2.90	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.7	19.28	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.8	1.46	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.9	12.28	0.00	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	20.28	0.30	12.57	9.74	6.14	3.43	11.81	10.39	0.00	0.00	0.00	0.00
46.1	0.99	0.00	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.2	17.51	0.00	7.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.3	6.55	0.00	5.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.5	13.41	0.00	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.6	2.50	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.7	4.02	0.00	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.8	10.29	0.00	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.9	1.32	0.00	6.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

47	0.52	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.1	17.12	0.50	6.99	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.2	8.03	0.00	1.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.3	1.43	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.4	6.43	0.00	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	15.20	0.00	5.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.6	4.50	0.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.7	5.04	0.00	4.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.8	7.05	0.00	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.9	14.34	0.00	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	70.16	0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.1	70.28	0.00	10.77	0.00	0.00	0.00	0.00	0.00	0.97	0.00	9.72	0.00
48.2	60.48	2.66	6.79	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.3	106.39	0.00	6.07	0.00	0.00	0.00	0.00	0.00	0.92	0.00	11.20	0.00
48.4	95.27	0.00	9.71	0.00	0.00	0.00	0.00	0.00	2.28	0.00	9.67	0.00
48.5	67.06	0.00	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.6	107.97	0.84	6.26	5.64	0.00	0.00	0.00	0.00	1.10	0.00	7.28	0.00
48.7	84.02	0.00	7.05	0.00	0.37	0.00	4.06	0.00	1.65	0.00	12.13	0.00
48.8	77.91	0.00	8.18	0.00	0.00	0.00	0.00	0.00	0.88	0.00	10.02	0.00
48.9	51.45	0.00	6.42	0.00	0.72	0.00	3.31	0.00	0.81	0.00	6.75	0.00
49	103.64	0.23	12.15	6.87	0.82	0.00	2.61	0.00	0.62	0.00	7.84	0.00
49.1	45.49	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.2	98.73	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.3	113.34	0.00	5.70	0.00	0.00	0.00	0.00	0.00	1.38	0.00	7.10	0.00
49.4	55.85	1.20	6.00	3.01	0.00	0.00	0.00	0.00	3.58	0.00	9.41	0.00
49.5	113.69	0.00	5.74	0.00	0.00	0.00	0.00	0.00	0.65	0.00	1.44	0.00
49.6	24.54	0.00	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.7	5.95	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.8	8.04	0.00	5.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.9	32.05	0.00	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	8.24	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.1	2.91	0.00	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.2	6.58	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.3	1.52	0.00	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.4	0.97	0.00	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.5	5.46	0.00	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.6	12.04	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.7	2.52	0.00	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.8	13.84	0.00	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.9	3.07	0.00	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	3.46	0.95	2.04	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.1	31.71	0.00	9.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.2	1.52	0.00	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

51.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.4	1.43	0.10	1.26	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.5	1.45	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.6	0.51	0.00	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.7	1.53	0.00	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.8	0.50	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	31.90	0.00	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.1	20.01	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.2	5.63	0.00	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.3	1.92	0.00	6.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.4	1.91	0.00	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	6.94	0.00	5.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.6	7.80	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.7	7.95	0.00	5.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.8	13.95	0.00	7.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.9	12.31	0.00	4.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	15.68	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.1	9.83	0.00	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.2	16.12	0.00	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.3	23.05	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.4	8.01	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.5	8.21	0.00	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.6	23.78	0.00	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.7	32.67	0.00	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	8.69	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.9	31.11	0.00	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	14.47	0.00	4.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.1	28.33	0.48	2.75	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.2	20.19	0.00	5.32	0.00	0.00	0.00	0.00	0.00	0.51	0.00	2.35	0.00
54.3	12.67	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.4	3.02	0.00	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.5	4.52	0.00	2.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.7	1.04	0.00	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.8	1.96	0.00	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.9	2.93	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	7.96	0.00	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.1	9.90	0.00	5.43	0.00	0.00	0.00	0.00	0.00	0.38	0.00	3.15	0.00
55.2	0.95	0.00	2.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.3	1.81	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.4	7.54	0.00	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.5	7.03	0.49	2.69	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

55.6	2.48	0.00	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.7	4.45	0.00	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.8	3.05	0.00	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.9	5.48	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	9.92	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.1	5.51	0.00	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.3	1.84	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.4	0.94	0.00	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.5	2.98	0.00	2.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.6	0.52	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.8	1.96	0.00	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.9	83.04	0.00	6.30	0.00	72.36	53.43	12.78	12.72	0.00	0.00	0.00	0.00
57	116.83	0.00	2.74	0.00	101.61	84.45	13.31	13.25	0.00	0.00	0.00	0.00
57.1	143.55	0.00	3.11	0.00	104.11	85.44	12.87	12.91	0.00	0.00	0.00	0.00
57.2	145.12	0.00	3.01	0.00	109.78	89.09	12.81	12.81	0.00	0.00	0.00	0.00
57.3	144.23	0.00	4.03	0.00	81.48	56.86	11.56	11.58	0.00	0.00	0.00	0.00
57.4	143.64	0.00	3.42	0.00	92.90	70.98	12.35	12.38	0.00	0.00	0.00	0.00
57.5	146.73	0.00	4.53	0.00	85.52	61.06	12.20	12.23	0.00	0.00	0.00	0.00
57.6	135.38	0.00	2.63	0.00	96.57	74.32	12.07	12.11	0.00	0.00	0.00	0.00
57.7	142.94	1.14	3.02	5.57	106.03	85.55	12.83	12.82	0.00	0.00	0.00	0.00
57.8	144.11	0.00	11.39	0.00	92.88	69.89	12.07	12.10	0.00	0.00	0.00	0.00
57.9	142.57	0.00	3.18	0.00	112.25	89.87	12.82	12.80	0.00	0.00	0.00	0.00
58	145.72	0.00	3.43	0.00	97.23	73.27	12.01	11.96	0.00	0.00	0.00	0.00
58.1	143.67	0.00	3.37	0.00	78.99	52.53	10.86	10.91	0.00	0.00	0.00	0.00
58.2	145.67	0.00	3.19	0.00	81.86	57.97	11.29	11.36	0.00	0.00	0.00	0.00
58.3	142.41	0.00	2.77	0.00	108.05	86.93	11.97	11.86	0.00	0.00	0.00	0.00
58.4	141.88	0.00	2.75	0.00	79.50	59.41	11.09	11.11	0.00	0.00	0.00	0.00
58.5	145.67	0.00	3.22	0.00	92.07	70.98	10.87	10.85	0.00	0.00	0.00	0.00
58.6	132.84	0.00	2.81	0.00	114.93	91.71	11.22	11.25	0.00	0.00	0.00	0.00
58.7	120.67	0.00	2.76	0.00	82.48	60.26	10.04	10.12	0.00	0.00	0.00	0.00
58.8	94.22	1.08	6.45	5.87	100.33	79.05	10.95	10.94	0.00	0.00	0.00	0.00
58.9	101.60	0.00	2.61	0.00	89.77	68.08	10.55	10.46	0.00	0.00	0.00	0.00
59	138.81	0.00	2.73	0.00	76.02	51.34	10.06	10.11	0.00	0.00	0.00	0.00
59.1	142.94	0.00	3.06	0.00	94.79	70.96	10.77	10.85	0.00	0.00	0.00	0.00
59.2	143.84	0.00	2.70	0.00	108.24	90.02	11.40	11.33	0.00	0.00	0.00	0.00
59.3	141.39	0.00	2.97	0.00	87.46	68.51	11.09	11.00	0.00	0.00	0.00	0.00
59.4	124.06	0.00	2.76	0.00	93.19	75.84	10.99	10.97	0.00	0.00	0.00	0.00
59.5	145.20	0.00	3.17	0.00	79.55	64.64	10.70	10.71	0.00	0.00	0.00	0.00
59.6	138.39	0.00	2.39	0.00	89.38	72.79	11.05	10.98	0.00	0.00	0.00	0.00
59.7	144.64	0.00	3.47	0.00	96.12	80.88	11.78	11.60	0.00	0.00	0.00	0.00
59.8	143.07	0.00	3.28	0.00	92.54	73.71	11.77	11.67	0.00	0.00	0.00	0.00

59.9	124.56	0.00	3.17	0.00	109.00	86.31	12.34	12.37	0.00	0.00	0.00	0.00
60	143.94	0.00	3.43	0.00	97.85	75.97	11.81	11.55	0.00	0.00	0.00	0.00
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60.4	92.95	0.49	11.05	3.87	70.15	53.23	12.66	12.71	0.00	0.00	0.00	0.00
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60.6	0.51	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.7	43.34	11.15	11.43	28.11	0.07	0.36	2.97	4.45	1.10	0.00	22.82	0.00
60.8	71.34	20.84	15.74	12.00	0.81	0.42	15.29	13.88	1.04	1.00	16.58	6.62
60.9	51.89	7.43	21.27	7.37	0.11	0.72	17.68	13.26	0.00	0.00	0.00	0.00
61	42.57	29.91	12.76	13.21	1.36	0.00	5.90	0.00	0.00	0.00	0.00	0.00
61.1	20.88	1.99	8.17	16.16	0.12	0.33	2.82	4.23	0.00	0.37	0.00	5.33
61.2	16.87	2.18	8.38	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.3	31.53	3.59	12.60	14.05	0.00	0.00	0.00	0.00	0.75	0.28	11.04	4.11
61.4	40.29	17.67	16.76	11.63	0.00	0.00	0.00	0.00	1.47	1.09	9.12	2.92
61.5	30.01	21.55	13.53	11.79	0.00	0.00	0.00	0.00	0.49	0.95	4.42	4.36
61.6	51.35	6.46	13.64	4.97	0.00	0.00	0.00	0.00	0.00	0.41	0.00	5.82
61.7	69.83	2.36	13.14	4.25	0.00	0.00	0.00	0.00	0.00	0.42	0.00	4.44
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61.9	28.72	1.97	13.71	4.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	24.06	0.00	12.79	0.00	0.44	0.00	9.24	0.00	0.50	0.00	2.71	0.00
62.1	10.77	0.00	10.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.2	32.14	0.00	10.80	0.00	0.00	0.00	0.00	0.00	1.42	0.00	6.26	0.00
62.3	52.39	0.00	11.29	0.00	0.00	0.00	0.00	0.00	0.55	0.00	3.67	0.00
62.4	28.95	0.21	15.95	10.13	0.00	0.00	0.00	0.00	0.56	0.00	4.00	0.00
62.5	17.62	0.00	12.31	0.00	0.00	0.00	0.00	0.00	0.46	0.00	5.75	0.00
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62.8	25.59	1.10	14.59	5.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.9	28.42	1.99	9.23	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	22.97	0.39	9.45	8.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.1	35.01	0.92	11.40	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.2	35.07	0.94	13.01	13.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.3	16.06	0.00	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.4	33.86	0.00	12.14	0.00	0.00	0.00	0.00	0.00	0.48	0.00	3.67	0.00
63.5	17.77	7.93	9.15	21.25	2.57	1.17	18.12	18.09	0.00	0.00	0.00	0.00
63.6	15.51	1.37	8.20	6.73	0.15	0.80	12.03	18.05	0.00	0.00	0.00	0.00
63.7	31.06	1.62	6.99	18.48	1.78	1.15	33.63	33.68	0.57	0.00	4.70	0.00
63.8	28.58	3.43	6.07	11.79	0.00	0.37	0.00	25.79	0.00	0.00	0.00	0.00
63.9	12.33	6.07	13.25	12.09	3.95	2.06	23.08	11.79	0.03	1.03	4.07	5.40
64	29.09	1.99	15.20	7.49	1.24	1.54	15.69	32.23	0.57	1.01	13.25	16.48
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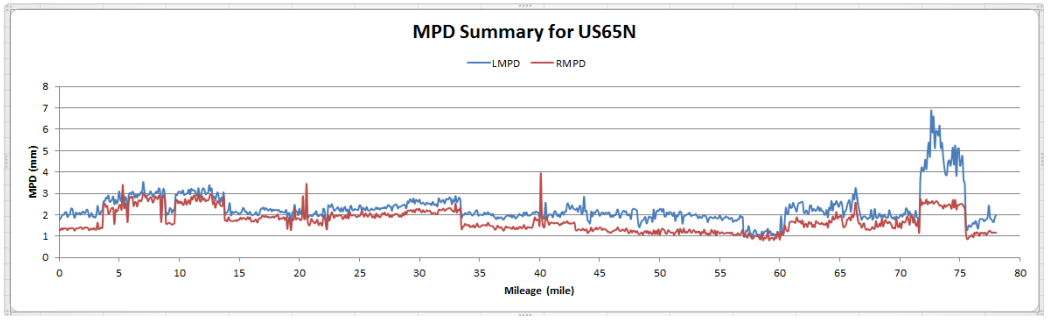
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64.9	33.67	53.53	14.90	9.74	0.13	0.38	3.05	4.58	1.46	0.00	5.91	0.00
65	17.28	55.70	11.15	12.06	0.04	0.42	5.06	7.59	0.50	0.00	4.06	0.00
65.1	38.96	19.77	11.13	6.67	0.21	1.27	9.92	14.88	0.01	0.85	3.21	4.78
65.2	48.07	1.83	11.49	4.35	0.00	0.00	0.00	0.00	1.04	0.00	3.57	0.00
65.3	61.01	0.43	11.37	5.36	0.14	1.23	10.79	16.27	1.54	0.00	3.43	0.00
65.4	46.07	0.07	11.95	5.49	1.35	1.92	10.97	19.36	1.14	0.00	3.52	0.00
65.5	34.36	21.26	10.93	6.75	0.38	1.56	14.64	11.48	0.56	0.02	4.93	7.40
65.6	27.94	98.58	12.20	6.49	0.00	0.00	0.00	0.00	0.45	0.00	8.40	0.00
65.7	54.83	18.88	12.90	13.88	0.00	0.00	0.00	0.00	0.56	1.15	4.29	6.43
65.8	47.06	5.46	11.09	6.74	0.06	1.56	19.26	23.58	1.90	1.34	13.48	15.61
65.9	49.73	29.95	11.51	13.22	0.20	0.78	10.81	8.10	1.70	0.92	3.57	11.35
66	62.01	84.09	13.23	16.85	0.00	0.00	0.00	0.00	0.92	3.21	5.87	8.27
66.1	67.73	32.29	12.19	17.92	0.14	0.86	7.47	11.20	0.77	2.22	11.35	12.81
66.2	53.92	10.68	14.88	16.21	0.00	0.00	0.00	0.00	1.01	1.50	11.28	15.63
66.3	48.17	59.46	11.38	15.06	0.02	0.77	3.70	10.04	0.15	3.23	5.02	14.27
66.4	57.93	34.36	9.17	10.63	0.08	0.41	3.57	5.35	0.00	0.00	0.00	0.00
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66.6	39.01	0.00	13.23	0.00	0.02	0.39	8.52	12.78	0.49	0.00	3.49	0.00
66.7	44.26	8.63	14.14	18.04	2.06	1.20	14.32	26.56	0.94	0.00	6.21	0.00
66.8	90.46	1.03	12.50	5.32	1.93	0.43	18.16	16.54	1.08	0.00	9.09	0.00
66.9	53.13	1.06	15.49	11.28	0.00	0.36	0.00	8.68	0.00	0.00	0.00	0.00
67	55.66	23.12	11.96	17.25	0.00	0.00	0.00	0.00	1.26	0.67	9.44	12.90
67.1	86.01	12.27	13.98	6.04	0.50	0.00	8.03	0.00	0.97	0.00	4.34	0.00
67.2	70.49	4.54	8.51	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.3	94.43	10.43	13.55	5.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.4	99.91	0.32	9.61	6.58	0.00	0.00	0.00	0.00	0.36	0.00	3.96	0.00
67.5	37.05	0.92	9.64	11.75	3.36	2.33	11.26	11.15	0.93	0.00	4.38	0.00
67.6	30.23	0.52	10.68	9.44	6.14	4.70	15.15	13.37	0.43	0.00	1.54	0.00
67.7	24.33	0.53	7.35	10.13	0.36	0.00	6.53	0.00	0.00	0.00	0.00	0.00
67.8	15.91	0.87	14.14	8.36	0.00	0.00	0.00	0.00	0.50	0.00	4.12	0.00
67.9	79.89	65.88	18.13	15.50	0.42	0.00	2.29	0.00	1.06	0.09	16.30	7.37
68	108.55	59.95	15.82	12.80	0.49	0.00	2.82	0.00	2.31	2.86	12.31	12.09
68.1	60.57	83.51	14.97	13.24	0.00	0.00	0.00	0.00	1.12	1.92	4.90	13.44
68.2	65.49	72.42	16.23	13.33	0.00	0.00	0.00	0.00	2.03	0.54	4.62	3.46
68.3	79.17	87.07	15.23	13.14	0.00	0.00	0.00	0.00	0.96	1.16	14.76	9.96
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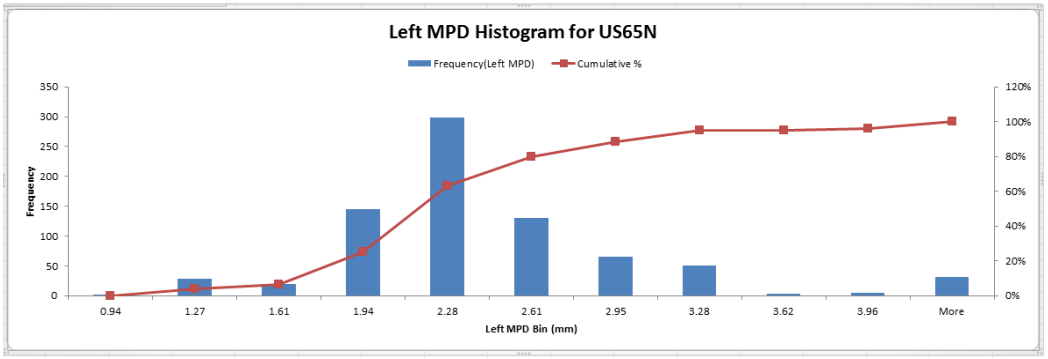
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68.9	110.27	24.43	16.88	6.80	0.00	0.00	0.00	0.00	1.20	1.09	4.21	6.31
69	125.99	14.24	14.88	11.44	0.00	0.00	0.00	0.00	0.58	0.85	3.48	3.98
69.1	94.47	20.97	10.51	6.42	0.00	0.00	0.00	0.00	0.56	0.00	3.85	0.00
69.2	51.11	12.06	13.92	15.04	0.00	0.00	0.00	0.00	1.07	0.00	3.51	0.00
69.3	75.09	2.93	16.14	7.87	0.00	0.00	0.00	0.00	1.04	0.00	2.23	0.00
69.4	56.72	4.89	16.57	7.01	0.00	0.00	0.00	0.00	0.49	0.56	9.71	11.41
69.5	57.70	12.08	16.16	7.17	0.00	0.00	0.00	0.00	1.12	0.00	5.39	0.00
69.6	87.12	74.54	15.48	14.03	0.00	0.00	0.00	0.00	0.14	3.12	5.25	11.16
69.7	99.52	83.71	16.72	14.95	0.47	0.00	4.02	0.00	1.08	0.00	5.59	0.00
69.8	97.53	14.67	12.34	13.59	0.49	0.00	3.77	0.00	1.47	0.62	5.44	13.88
69.9	79.03	12.88	14.94	14.95	0.00	0.00	0.00	0.00	0.49	0.59	5.54	8.31
70	113.99	28.66	14.88	11.20	0.00	0.00	0.00	0.00	1.40	0.90	7.82	6.32
70.1	129.91	12.34	11.99	12.10	0.00	0.00	0.00	0.00	0.83	0.19	14.23	3.35
70.2	84.40	11.14	17.16	13.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.3	145.57	18.46	10.21	9.45	0.00	0.00	0.00	0.00	0.44	0.00	6.25	0.00
70.4	153.29	84.23	16.52	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.5	88.22	141.42	16.55	13.86	0.00	0.00	0.00	0.00	0.00	1.57	0.00	8.26
70.6	76.56	39.59	14.86	14.64	0.00	0.00	0.00	0.00	0.77	0.25	9.62	4.58
70.7	132.98	34.02	18.62	15.77	0.00	0.00	0.00	0.00	2.19	0.28	15.98	12.47
70.8	95.06	22.82	15.86	12.83	0.00	0.00	0.00	0.00	0.55	0.55	10.44	10.15
70.9	57.87	18.51	13.96	14.45	0.00	0.00	0.00	0.00	0.57	0.00	9.64	0.00
71	81.64	10.33	15.39	12.77	1.27	0.33	8.98	5.71	1.44	0.15	6.00	10.93
71.1	50.24	86.11	8.71	12.57	0.43	0.00	8.37	0.00	0.39	0.44	4.66	4.57
71.2	105.40	64.25	14.47	15.52	1.45	0.00	7.89	0.00	1.16	0.58	7.98	4.04
71.3	74.40	84.72	9.16	14.55	0.00	0.00	0.00	0.00	0.48	1.00	3.78	3.44
71.4	144.06	97.14	16.82	14.90	0.00	0.00	0.00	0.00	3.02	0.20	11.29	14.58
71.5	50.75	96.76	17.21	16.85	2.69	0.38	13.07	4.38	10.48	9.23	12.84	13.90
71.6	23.68	0.00	6.71	0.00	0.71	0.61	8.08	14.23	3.03	4.37	18.26	17.40
71.7	10.11	0.00	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.8	10.10	0.51	3.93	7.79	0.46	0.00	1.86	0.00	0.00	0.00	0.00	0.00
71.9	9.46	0.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	11.31	1.03	7.32	6.56	23.37	0.00	2.14	0.00	0.51	0.00	1.67	0.00
72.1	11.61	0.00	4.38	0.00	8.81	0.00	1.72	0.00	1.07	0.00	5.40	0.00
72.2	10.35	0.00	5.62	0.00	0.94	0.00	5.53	0.00	0.00	0.00	0.00	0.00
72.3	0.53	0.40	4.76	4.65	0.49	0.00	2.43	0.00	0.00	0.00	0.00	0.00
72.4	5.88	0.00	5.21	0.00	0.50	0.00	2.17	0.00	0.00	0.00	0.00	0.00
72.5	11.42	0.00	3.68	0.00	2.36	0.00	1.67	0.00	0.00	0.00	0.00	0.00
72.6	8.56	0.00	4.36	0.00	26.35	0.00	1.81	0.00	2.63	0.00	4.20	0.00
72.7	0.00	0.00	0.00	0.00	38.57	0.00	1.80	0.00	1.91	0.00	2.29	0.00

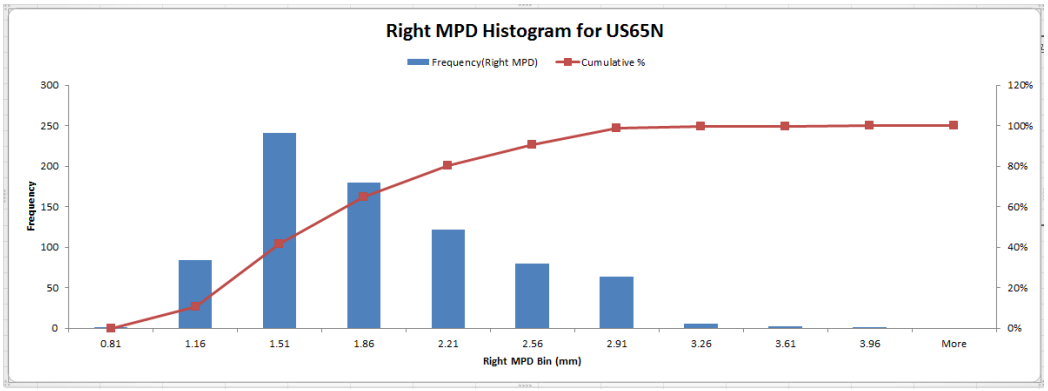
72.8	0.00	0.00	0.00	0.00	55.65	0.00	1.72	0.00	6.62	0.00	3.05	0.00
72.9	0.00	0.00	0.00	0.00	59.37	0.31	5.65	5.55	5.30	0.00	4.35	0.00
73	10.09	0.00	6.71	0.00	35.50	0.00	1.45	0.00	0.56	0.00	1.96	0.00
73.1	4.02	0.00	2.35	0.00	13.12	0.00	1.88	0.00	1.54	0.00	4.11	0.00
73.2	11.82	0.00	6.55	0.00	32.58	0.00	1.94	0.00	5.17	0.00	4.26	0.00
73.3	7.66	0.00	3.61	0.00	13.07	0.00	1.86	0.00	2.37	0.00	3.10	0.00
73.4	1.55	0.47	2.84	4.26	44.44	0.00	1.84	0.00	3.00	0.00	4.16	0.00
73.5	17.57	0.00	4.51	0.00	12.87	0.00	1.55	0.00	1.50	0.00	1.58	0.00
73.6	6.47	0.00	5.42	0.00	1.33	0.00	3.37	0.00	0.00	0.00	0.00	0.00
73.7	25.10	0.00	5.35	0.00	0.50	0.00	2.16	0.00	0.39	0.00	2.93	0.00
73.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.9	14.58	0.29	7.60	3.98	0.43	0.00	9.33	0.00	0.00	0.00	0.00	0.00
74	29.11	0.00	8.22	0.00	0.48	0.00	1.58	0.00	0.00	0.00	0.00	0.00
74.1	7.26	0.00	10.43	0.00	4.27	0.00	2.10	0.00	0.00	0.00	0.00	0.00
74.2	4.92	0.00	5.96	0.00	0.96	0.00	2.08	0.00	0.00	0.00	0.00	0.00
74.3	12.07	0.00	5.03	0.00	1.91	0.00	2.43	0.00	0.00	0.00	0.00	0.00
74.4	5.53	0.00	6.37	0.00	18.83	0.00	1.90	0.00	1.07	0.00	2.44	0.00
74.5	23.41	0.00	7.28	0.00	4.78	0.00	1.92	0.00	1.12	0.00	2.40	0.00
74.6	23.68	0.00	6.51	0.00	0.44	0.00	2.10	0.00	0.00	0.00	0.00	0.00
74.7	9.95	0.00	5.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.8	16.02	0.00	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.9	31.92	0.00	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	15.65	0.00	3.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.1	2.92	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.2	1.50	0.00	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.3	29.75	0.00	7.12	0.00	9.61	6.88	16.32	16.56	0.39	0.00	5.98	0.00
75.4	30.62	0.00	7.81	0.00	2.12	1.88	9.73	9.64	0.00	0.00	0.00	0.00
75.5	26.45	3.68	5.92	2.83	1.19	0.00	5.21	0.00	0.00	0.00	0.00	0.00
75.6	27.64	0.53	5.94	4.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.7	20.95	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.8	44.15	0.00	4.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.9	31.19	0.00	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	10.12	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.48	0.00	11.06	0.00
76.1	23.02	0.00	5.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.2	44.51	0.00	7.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.3	10.98	1.43	8.46	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.4	3.47	2.00	5.67	6.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.5	7.12	1.54	4.35	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.6	12.42	1.03	7.74	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.7	7.96	0.00	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.8	19.41	0.00	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.9	40.79	0.00	5.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	39.38	0.00	14.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

77.1	21.85	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.06	0.42	2.93	4.39
77.2	30.91	0.94	3.86	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.3	48.79	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.4	50.54	0.00	5.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	15.29	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.6	20.43	0.32	4.59	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.7	27.98	46.43	11.50	12.39	0.49	0.00	6.66	0.00	0.00	0.50	0.00	8.74
77.8	113.73	0.23	7.19	6.70	1.52	0.32	3.84	2.73	0.00	0.00	0.00	0.00
77.9	87.72	38.23	11.84	12.24	4.17	0.34	14.93	15.26	0.92	0.28	7.93	2.92

MPD Data


MPD Summary for US65N
LMPD
RMPD
MPD (mm)
Mileage (mile)


Left MPD Histogram for US65N
Frequency(Left MPD)
Cumulative %
Frequency
0.94
1.27
1.61
1.94
2.28
2.61
2.95
3.28
3.62
3.96
More
Left MPD Bin (mm)


Right MPD Histogram for US65N
Frequency(Right MPD)
Cumulative %
Frequency
0.81
1.16
1.51
1.86
2.21
2.56
2.91
3.26
3.61
3.96
More
Right MPD Bin (mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	1.79	1.29
0.10	70 / 819	71 / 136	1.82	1.29
0.20	140 / 1638	141 / 955	1.93	1.38
0.30	211 / 409	211 / 1774	2.00	1.31
0.40	281 / 1228	282 / 545	2.02	1.38
0.50	351 / 2047	352 / 1364	2.12	1.37
0.60	422 / 818	423 / 135	2.13	1.37
0.70	492 / 1637	493 / 954	1.89	1.29
0.80	563 / 408	563 / 1773	2.00	1.38
0.90	633 / 1227	634 / 544	2.05	1.36
1.00	703 / 2046	704 / 1363	2.30	1.38
1.10	774 / 817	775 / 134	2.28	1.39
1.20	844 / 1636	845 / 953	2.02	1.36
1.30	915 / 407	915 / 1772	1.86	1.26
1.40	985 / 1226	986 / 543	2.11	1.36
1.50	1055 / 2045	1056 / 1362	2.05	1.37
1.60	1126 / 816	1127 / 133	2.02	1.38
1.70	1196 / 1635	1197 / 952	2.10	1.40
1.80	1267 / 406	1267 / 1771	2.01	1.43
1.90	1337 / 1225	1338 / 542	2.11	1.36
2.00	1407 / 2044	1408 / 1361	2.16	1.34
2.10	1478 / 815	1479 / 132	2.08	1.42
2.20	1548 / 1634	1549 / 951	2.11	1.40
2.30	1619 / 405	1619 / 1770	2.25	1.41
2.40	1689 / 1224	1690 / 541	2.18	1.39
2.50	1759 / 2043	1760 / 1360	1.90	1.28
2.60	1830 / 814	1831 / 131	1.98	1.34
2.70	1900 / 1633	1901 / 950	2.09	1.36
2.80	1971 / 404	1971 / 1769	1.91	1.31
2.90	2041 / 1223	2042 / 540	1.93	1.39
3.00	2111 / 2042	2112 / 1359	1.87	1.32
3.10	2182 / 813	2183 / 130	2.01	1.31
3.20	2252 / 1632	2253 / 949	2.42	1.64
3.30	2323 / 403	2323 / 1768	2.12	1.34
3.40	2393 / 1222	2394 / 539	2.02	1.37
3.50	2463 / 2041	2464 / 1358	2.18	1.42
3.60	2534 / 812	2535 / 129	2.20	1.38
3.70	2604 / 1631	2605 / 948	2.64	2.49
3.80	2675 / 402	2675 / 1767	2.63	2.53
3.90	2745 / 1221	2746 / 538	2.81	2.37
4.00	2815 / 2040	2816 / 1357	2.76	2.43

4.10	2886 / 811	2887 / 128	2.91	2.06
4.20	2956 / 1630	2957 / 947	2.61	2.10
4.30	3027 / 401	3027 / 1766	2.64	2.26
4.40	3097 / 1220	3098 / 537	2.71	2.33
4.50	3167 / 2039	3168 / 1356	2.86	2.31
4.60	3238 / 810	3239 / 127	2.49	1.57
4.70	3308 / 1629	3309 / 946	2.71	2.24
4.80	3379 / 400	3379 / 1765	2.53	2.15
4.90	3449 / 1219	3450 / 536	2.69	2.24
5.00	3519 / 2038	3520 / 1355	3.10	2.45
5.10	3590 / 809	3591 / 126	2.70	2.46
5.20	3660 / 1628	3661 / 945	2.65	2.25
5.30	3731 / 399	3731 / 1764	3.05	3.41
5.40	3801 / 1218	3802 / 535	2.55	2.33
5.50	3871 / 2037	3872 / 1354	2.84	2.53
5.60	3942 / 808	3943 / 125	2.74	2.28
5.70	4012 / 1627	4013 / 944	1.93	1.65
5.80	4083 / 398	4083 / 1763	2.96	2.64
5.90	4153 / 1217	4154 / 534	3.03	2.84
6.00	4223 / 2036	4224 / 1353	2.96	2.81
6.10	4294 / 807	4295 / 124	3.09	2.85
6.20	4364 / 1626	4365 / 943	3.02	2.41
6.30	4435 / 397	4435 / 1762	2.80	2.60
6.40	4505 / 1216	4506 / 533	2.95	2.59
6.50	4575 / 2035	4576 / 1352	2.81	2.40
6.60	4646 / 806	4647 / 123	2.98	2.67
6.70	4716 / 1625	4717 / 942	2.92	2.69
6.80	4787 / 396	4787 / 1761	3.08	2.63
6.90	4857 / 1215	4858 / 532	3.01	2.74
7.00	4927 / 2034	4928 / 1351	3.54	3.01
7.10	4998 / 805	4999 / 122	3.12	2.93
7.20	5068 / 1624	5069 / 941	2.90	2.81
7.30	5139 / 395	5139 / 1760	2.88	2.81
7.40	5209 / 1214	5210 / 531	2.94	2.64
7.50	5279 / 2033	5280 / 1350	2.96	2.75
7.60	5350 / 804	5351 / 121	3.11	2.83
7.70	5420 / 1623	5421 / 940	3.00	2.75
7.80	5491 / 394	5491 / 1759	2.84	2.57
7.90	5561 / 1213	5562 / 530	2.96	2.70
8.00	5631 / 2032	5632 / 1349	3.02	2.87
8.10	5702 / 803	5703 / 120	3.10	2.80
8.20	5772 / 1622	5773 / 939	3.02	2.74
8.30	5843 / 393	5843 / 1758	3.25	2.90

8.40	5913 / 1212	5914 / 529	3.15	2.81
8.50	5983 / 2031	5984 / 1348	1.86	1.66
8.60	6054 / 802	6055 / 119	3.00	2.69
8.70	6124 / 1621	6125 / 938	3.23	2.91
8.80	6195 / 392	6195 / 1757	2.94	2.80
8.90	6265 / 1211	6266 / 528	1.99	1.59
9.00	6335 / 2030	6336 / 1347	2.09	1.58
9.10	6406 / 801	6407 / 118	2.05	1.63
9.20	6476 / 1620	6477 / 937	2.31	1.63
9.30	6547 / 391	6547 / 1756	2.28	1.58
9.40	6617 / 1210	6618 / 527	2.09	1.54
9.50	6687 / 2029	6688 / 1346	2.25	1.57
9.60	6758 / 800	6759 / 117	2.21	1.63
9.70	6828 / 1619	6829 / 936	2.96	2.62
9.80	6899 / 390	6899 / 1755	2.91	2.71
9.90	6969 / 1209	6970 / 526	3.06	2.54
10.00	7039 / 2028	7040 / 1345	3.09	2.64
10.10	7110 / 799	7111 / 116	3.07	2.54
10.20	7180 / 1618	7181 / 935	3.03	2.61
10.30	7251 / 389	7251 / 1754	3.16	2.46
10.40	7321 / 1208	7322 / 525	2.94	2.51
10.50	7391 / 2027	7392 / 1344	2.98	2.75
10.60	7462 / 798	7463 / 115	2.98	2.48
10.70	7532 / 1617	7533 / 934	3.04	2.59
10.80	7603 / 388	7603 / 1753	3.19	2.69
10.90	7673 / 1207	7674 / 524	2.95	2.50
11.00	7743 / 2026	7744 / 1343	3.22	2.83
11.10	7814 / 797	7815 / 114	3.15	2.72
11.20	7884 / 1616	7885 / 933	3.14	2.90
11.30	7955 / 387	7955 / 1752	3.14	2.86
11.40	8025 / 1206	8026 / 523	2.90	2.65
11.50	8095 / 2025	8096 / 1342	2.95	2.69
11.60	8166 / 796	8167 / 113	3.25	2.99
11.70	8236 / 1615	8237 / 932	2.88	2.69
11.80	8307 / 386	8307 / 1751	2.84	2.62
11.90	8377 / 1205	8378 / 522	3.16	2.87
12.00	8447 / 2024	8448 / 1341	3.25	2.70
12.10	8518 / 795	8519 / 112	3.17	2.77
12.20	8588 / 1614	8589 / 931	2.96	2.64
12.30	8659 / 385	8659 / 1750	3.02	2.69
12.40	8729 / 1204	8730 / 521	3.02	2.68
12.50	8799 / 2023	8800 / 1340	3.40	2.79
12.60	8870 / 794	8871 / 111	3.11	2.99

12.70	8940 / 1613	8941 / 930	3.23	2.92
12.80	9011 / 384	9011 / 1749	2.75	2.51
12.90	9081 / 1203	9082 / 520	2.86	2.65
13.00	9151 / 2022	9152 / 1339	2.69	2.33
13.10	9222 / 793	9223 / 110	2.95	2.52
13.20	9292 / 1612	9293 / 929	3.06	2.66
13.30	9363 / 383	9363 / 1748	2.79	2.56
13.40	9433 / 1202	9434 / 519	2.57	2.47
13.50	9503 / 2021	9504 / 1338	2.81	2.41
13.60	9574 / 792	9575 / 109	2.65	2.43
13.70	9644 / 1611	9645 / 928	3.05	2.86
13.80	9715 / 382	9715 / 1747	2.01	1.74
13.90	9785 / 1201	9786 / 518	2.11	1.76
14.00	9855 / 2020	9856 / 1337	2.12	1.70
14.10	9926 / 791	9927 / 108	2.25	1.89
14.20	9996 / 1610	9997 / 927	2.55	1.77
14.30	10067 / 381	10067 / 1746	1.98	1.71
14.40	10137 / 1200	10138 / 517	2.15	1.71
14.50	10207 / 2019	10208 / 1336	2.09	1.71
14.60	10278 / 790	10279 / 107	2.12	1.72
14.70	10348 / 1609	10349 / 926	2.17	1.75
14.80	10419 / 380	10419 / 1745	2.12	1.71
14.90	10489 / 1199	10490 / 516	2.09	1.79
15.00	10559 / 2018	10560 / 1335	2.02	1.77
15.10	10630 / 789	10631 / 106	2.10	1.88
15.20	10700 / 1608	10701 / 925	2.13	1.80
15.30	10771 / 379	10771 / 1744	2.33	1.85
15.40	10841 / 1198	10842 / 515	2.28	1.85
15.50	10911 / 2017	10912 / 1334	2.14	1.81
15.60	10982 / 788	10983 / 105	2.15	1.79
15.70	11052 / 1607	11053 / 924	2.02	1.90
15.80	11123 / 378	11123 / 1743	2.08	1.80
15.90	11193 / 1197	11194 / 514	2.14	1.89
16.00	11263 / 2016	11264 / 1333	2.00	1.69
16.10	11334 / 787	11335 / 104	1.98	1.71
16.20	11404 / 1606	11405 / 923	2.02	1.69
16.30	11475 / 377	11475 / 1742	2.05	1.75
16.40	11545 / 1196	11546 / 513	2.13	1.79
16.50	11615 / 2015	11616 / 1332	1.99	1.64
16.60	11686 / 786	11687 / 103	1.99	1.79
16.70	11756 / 1605	11757 / 922	2.13	1.85
16.80	11827 / 376	11827 / 1741	2.30	1.85
16.90	11897 / 1195	11898 / 512	2.28	1.96

17.00	11967 / 2014	11968 / 1331	2.35	1.94
17.10	12038 / 785	12039 / 102	2.24	1.91
17.20	12108 / 1604	12109 / 921	2.32	1.96
17.30	12179 / 375	12179 / 1740	2.28	1.89
17.40	12249 / 1194	12250 / 511	2.20	1.92
17.50	12319 / 2013	12320 / 1330	2.25	1.87
17.60	12390 / 784	12391 / 101	2.28	1.90
17.70	12460 / 1603	12461 / 920	2.17	1.88
17.80	12531 / 374	12531 / 1739	2.25	1.93
17.90	12601 / 1193	12602 / 510	2.21	1.87
18.00	12671 / 2012	12672 / 1329	2.24	1.94
18.10	12742 / 783	12743 / 100	2.23	1.95
18.20	12812 / 1602	12813 / 919	2.19	2.03
18.30	12883 / 373	12883 / 1738	2.23	1.79
18.40	12953 / 1192	12954 / 509	2.12	1.84
18.50	13023 / 2011	13024 / 1328	2.17	1.83
18.60	13094 / 782	13095 / 99	2.13	1.84
18.70	13164 / 1601	13165 / 918	2.13	1.89
18.80	13235 / 372	13235 / 1737	2.11	1.77
18.90	13305 / 1191	13306 / 508	2.24	1.87
19.00	13375 / 2010	13376 / 1327	1.90	1.34
19.10	13446 / 781	13447 / 98	2.10	1.85
19.20	13516 / 1600	13517 / 917	2.04	1.73
19.30	13587 / 371	13587 / 1736	1.40	1.28
19.40	13657 / 1190	13658 / 507	2.10	1.80
19.50	13727 / 2009	13728 / 1326	2.12	1.75
19.60	13798 / 780	13799 / 97	2.48	2.28
19.70	13868 / 1599	13869 / 916	2.18	1.79
19.80	13939 / 370	13939 / 1735	2.16	1.85
19.90	14009 / 1189	14010 / 506	1.99	1.84
20.00	14079 / 2008	14080 / 1325	2.30	1.81
20.10	14150 / 779	14151 / 96	2.07	1.75
20.20	14220 / 1598	14221 / 915	2.15	1.83
20.30	14291 / 369	14291 / 1734	2.15	2.88
20.40	14361 / 1188	14362 / 505	2.02	1.82
20.50	14431 / 2007	14432 / 1324	2.06	1.80
20.60	14502 / 778	14503 / 95	1.93	3.46
20.70	14572 / 1597	14573 / 914	1.87	1.68
20.80	14643 / 368	14643 / 1733	1.92	1.50
20.90	14713 / 1187	14714 / 504	1.99	1.57
21.00	14783 / 2006	14784 / 1323	1.95	1.82
21.10	14854 / 777	14855 / 94	1.95	1.71
21.20	14924 / 1596	14925 / 913	2.06	1.67

21.30	14995 / 367	14995 / 1732	2.05	1.60
21.40	15065 / 1186	15066 / 503	2.18	1.70
21.50	15135 / 2005	15136 / 1322	1.98	1.78
21.60	15206 / 776	15207 / 93	1.93	1.52
21.70	15276 / 1595	15277 / 912	2.01	1.62
21.80	15347 / 366	15347 / 1731	2.02	1.63
21.90	15417 / 1185	15418 / 502	1.95	1.50
22.00	15487 / 2004	15488 / 1321	2.30	1.95
22.10	15558 / 775	15559 / 92	2.20	1.97
22.20	15628 / 1594	15629 / 911	1.72	1.52
22.30	15699 / 365	15699 / 1730	1.54	1.33
22.40	15769 / 1184	15770 / 501	2.45	1.97
22.50	15839 / 2003	15840 / 1320	2.39	1.73
22.60	15910 / 774	15911 / 91	2.37	1.97
22.70	15980 / 1593	15981 / 910	2.50	2.13
22.80	16051 / 364	16051 / 1729	2.34	1.97
22.90	16121 / 1183	16122 / 500	2.19	1.86
23.00	16191 / 2002	16192 / 1319	2.23	1.98
23.10	16262 / 773	16263 / 90	2.30	1.96
23.20	16332 / 1592	16333 / 909	2.36	1.94
23.30	16403 / 363	16403 / 1728	2.25	2.00
23.40	16473 / 1182	16474 / 499	2.16	1.98
23.50	16543 / 2001	16544 / 1318	2.33	1.97
23.60	16614 / 772	16615 / 89	2.16	1.81
23.70	16684 / 1591	16685 / 908	2.28	1.86
23.80	16755 / 362	16755 / 1727	2.38	1.97
23.90	16825 / 1181	16826 / 498	2.18	1.85
24.00	16895 / 2000	16896 / 1317	2.25	2.02
24.10	16966 / 771	16967 / 88	2.05	1.83
24.20	17036 / 1590	17037 / 907	2.31	2.12
24.30	17107 / 361	17107 / 1726	2.43	1.98
24.40	17177 / 1180	17178 / 497	2.22	1.97
24.50	17247 / 1999	17248 / 1316	2.22	2.01
24.60	17318 / 770	17319 / 87	2.28	1.98
24.70	17388 / 1589	17389 / 906	2.24	1.94
24.80	17459 / 360	17459 / 1725	2.24	1.89
24.90	17529 / 1179	17530 / 496	2.23	1.95
25.00	17599 / 1998	17600 / 1315	2.45	1.95
25.10	17670 / 769	17671 / 86	2.43	2.01
25.20	17740 / 1588	17741 / 905	2.20	2.19
25.30	17811 / 359	17811 / 1724	2.33	2.03
25.40	17881 / 1178	17882 / 495	2.29	1.92
25.50	17951 / 1997	17952 / 1314	2.21	2.07

25.60	18022 / 768	18023 / 85	2.38	1.99
25.70	18092 / 1587	18093 / 904	2.23	1.91
25.80	18163 / 358	18163 / 1723	2.20	2.01
25.90	18233 / 1177	18234 / 494	2.22	2.08
26.00	18303 / 1996	18304 / 1313	2.30	1.97
26.10	18374 / 767	18375 / 84	2.24	1.88
26.20	18444 / 1586	18445 / 903	2.25	1.95
26.30	18515 / 357	18515 / 1722	2.26	1.85
26.40	18585 / 1176	18586 / 493	2.36	2.07
26.50	18655 / 1995	18656 / 1312	2.27	1.93
26.60	18726 / 766	18727 / 83	2.33	1.96
26.70	18796 / 1585	18797 / 902	2.24	1.88
26.80	18867 / 356	18867 / 1721	2.31	1.95
26.90	18937 / 1175	18938 / 492	2.33	2.07
27.00	19007 / 1994	19008 / 1311	2.31	2.02
27.10	19078 / 765	19079 / 82	2.37	2.11
27.20	19148 / 1584	19149 / 901	2.29	1.99
27.30	19219 / 355	19219 / 1720	2.38	1.99
27.40	19289 / 1174	19290 / 491	2.47	2.06
27.50	19359 / 1993	19360 / 1310	2.40	1.89
27.60	19430 / 764	19431 / 81	2.39	2.00
27.70	19500 / 1583	19501 / 900	2.19	1.90
27.80	19571 / 354	19571 / 1719	2.41	2.01
27.90	19641 / 1173	19642 / 490	2.44	1.99
28.00	19711 / 1992	19712 / 1309	2.49	2.05
28.10	19782 / 763	19783 / 80	2.48	2.03
28.20	19852 / 1582	19853 / 899	2.31	2.03
28.30	19923 / 353	19923 / 1718	2.38	1.91
28.40	19993 / 1172	19994 / 489	2.38	1.96
28.50	20063 / 1991	20064 / 1308	2.42	1.91
28.60	20134 / 762	20135 / 79	2.45	2.08
28.70	20204 / 1581	20205 / 898	2.48	1.97
28.80	20275 / 352	20275 / 1717	2.46	2.15
28.90	20345 / 1171	20346 / 488	2.31	2.03
29.00	20415 / 1990	20416 / 1307	2.63	2.20
29.10	20486 / 761	20487 / 78	2.55	2.19
29.20	20556 / 1580	20557 / 897	2.74	2.22
29.30	20627 / 351	20627 / 1716	2.68	2.22
29.40	20697 / 1170	20698 / 487	2.60	2.15
29.50	20767 / 1989	20768 / 1306	2.77	2.23
29.60	20838 / 760	20839 / 77	2.53	2.11
29.70	20908 / 1579	20909 / 896	2.71	2.25
29.80	20979 / 350	20979 / 1715	2.66	2.27

29.90	21049 / 1169	21050 / 486	2.61	2.22
30.00	21119 / 1988	21120 / 1305	2.72	2.29
30.10	21190 / 759	21191 / 76	2.53	2.15
30.20	21260 / 1578	21261 / 895	2.54	2.13
30.30	21331 / 349	21331 / 1714	2.58	2.23
30.40	21401 / 1168	21402 / 485	2.51	2.14
30.50	21471 / 1987	21472 / 1304	2.47	2.14
30.60	21542 / 758	21543 / 75	2.57	2.22
30.70	21612 / 1577	21613 / 894	2.53	2.17
30.80	21683 / 348	21683 / 1713	2.51	2.19
30.90	21753 / 1167	21754 / 484	2.54	2.18
31.00	21823 / 1986	21824 / 1303	2.45	2.07
31.10	21894 / 757	21895 / 74	2.61	2.08
31.20	21964 / 1576	21965 / 893	2.51	2.10
31.30	22035 / 347	22035 / 1712	2.45	2.09
31.40	22105 / 1166	22106 / 483	2.51	2.03
31.50	22175 / 1985	22176 / 1302	2.40	2.04
31.60	22246 / 756	22247 / 73	2.78	2.25
31.70	22316 / 1575	22317 / 892	2.66	2.23
31.80	22387 / 346	22387 / 1711	2.59	2.21
31.90	22457 / 1165	22458 / 482	2.68	2.25
32.00	22527 / 1984	22528 / 1301	2.68	2.29
32.10	22598 / 755	22599 / 72	2.53	2.19
32.20	22668 / 1574	22669 / 891	2.73	2.24
32.30	22739 / 345	22739 / 1710	2.74	2.28
32.40	22809 / 1164	22810 / 481	2.72	2.30
32.50	22879 / 1983	22880 / 1300	2.82	2.33
32.60	22950 / 754	22951 / 71	2.76	2.29
32.70	23020 / 1573	23021 / 890	2.50	2.21
32.80	23091 / 344	23091 / 1709	2.72	2.17
32.90	23161 / 1163	23162 / 480	2.61	2.15
33.00	23231 / 1982	23232 / 1299	2.89	2.53
33.10	23302 / 753	23303 / 70	2.59	2.11
33.20	23372 / 1572	23373 / 889	2.69	2.24
33.30	23443 / 343	23443 / 1708	2.82	2.20
33.40	23513 / 1162	23514 / 479	2.71	2.31
33.50	23583 / 1981	23584 / 1298	1.86	1.33
33.60	23654 / 752	23655 / 69	2.02	1.44
33.70	23724 / 1571	23725 / 888	2.00	1.47
33.80	23795 / 342	23795 / 1707	2.09	1.59
33.90	23865 / 1161	23866 / 478	2.04	1.52
34.00	23935 / 1980	23936 / 1297	2.03	1.51
34.10	24006 / 751	24007 / 68	2.14	1.54

34.20	24076 / 1570	24077 / 887	2.12	1.43
34.30	24147 / 341	24147 / 1706	2.04	1.48
34.40	24217 / 1160	24218 / 477	1.97	1.43
34.50	24287 / 1979	24288 / 1296	2.03	1.52
34.60	24358 / 750	24359 / 67	2.09	1.41
34.70	24428 / 1569	24429 / 886	2.20	1.48
34.80	24499 / 340	24499 / 1705	2.21	1.60
34.90	24569 / 1159	24570 / 476	1.96	1.46
35.00	24639 / 1978	24640 / 1295	2.02	1.44
35.10	24710 / 749	24711 / 66	2.01	1.46
35.20	24780 / 1568	24781 / 885	2.00	1.52
35.30	24851 / 339	24851 / 1704	1.99	1.52
35.40	24921 / 1158	24922 / 475	2.11	1.51
35.50	24991 / 1977	24992 / 1294	2.04	1.53
35.60	25062 / 748	25063 / 65	2.06	1.49
35.70	25132 / 1567	25133 / 884	2.13	1.64
35.80	25203 / 338	25203 / 1703	2.03	1.54
35.90	25273 / 1157	25274 / 474	2.05	1.48
36.00	25343 / 1976	25344 / 1293	1.97	1.48
36.10	25414 / 747	25415 / 64	2.05	1.47
36.20	25484 / 1566	25485 / 883	1.93	1.40
36.30	25555 / 337	25555 / 1702	1.87	1.31
36.40	25625 / 1156	25626 / 473	1.80	1.38
36.50	25695 / 1975	25696 / 1292	1.90	1.50
36.60	25766 / 746	25767 / 63	1.83	1.42
36.70	25836 / 1565	25837 / 882	1.88	1.40
36.80	25907 / 336	25907 / 1701	1.89	1.43
36.90	25977 / 1155	25978 / 472	1.82	1.34
37.00	26047 / 1974	26048 / 1291	1.78	1.26
37.10	26118 / 745	26119 / 62	1.87	1.37
37.20	26188 / 1564	26189 / 881	1.93	1.46
37.30	26259 / 335	26259 / 1700	1.97	1.40
37.40	26329 / 1154	26330 / 471	1.99	1.42
37.50	26399 / 1973	26400 / 1290	1.93	1.40
37.60	26470 / 744	26471 / 61	2.01	1.39
37.70	26540 / 1563	26541 / 880	1.87	1.34
37.80	26611 / 334	26611 / 1699	1.97	1.45
37.90	26681 / 1153	26682 / 470	1.92	1.35
38.00	26751 / 1972	26752 / 1289	1.83	1.34
38.10	26822 / 743	26823 / 60	1.90	1.41
38.20	26892 / 1562	26893 / 879	1.95	1.33
38.30	26963 / 333	26963 / 1698	2.04	1.43
38.40	27033 / 1152	27034 / 469	1.98	1.44

38.50	27103 / 1971	27104 / 1288	2.01	1.37
38.60	27174 / 742	27175 / 59	1.93	1.42
38.70	27244 / 1561	27245 / 878	2.12	1.53
38.80	27315 / 332	27315 / 1697	1.99	1.38
38.90	27385 / 1151	27386 / 468	2.13	1.34
39.00	27455 / 1970	27456 / 1287	1.97	1.43
39.10	27526 / 741	27527 / 58	1.97	1.42
39.20	27596 / 1560	27597 / 877	1.98	1.42
39.30	27667 / 331	27667 / 1696	2.02	1.40
39.40	27737 / 1150	27738 / 467	2.08	1.42
39.50	27807 / 1969	27808 / 1286	2.13	1.65
39.60	27878 / 740	27879 / 57	2.08	1.89
39.70	27948 / 1559	27949 / 876	2.16	1.75
39.80	28019 / 330	28019 / 1695	2.12	1.77
39.90	28089 / 1149	28090 / 466	2.10	1.78
40.00	28159 / 1968	28160 / 1285	1.87	1.50
40.10	28230 / 739	28231 / 56	2.22	3.96
40.20	28300 / 1558	28301 / 875	1.99	1.81
40.30	28371 / 329	28371 / 1694	1.81	1.45
40.40	28441 / 1148	28442 / 465	1.95	1.42
40.50	28511 / 1967	28512 / 1284	2.58	1.90
40.60	28582 / 738	28583 / 55	1.83	1.80
40.70	28652 / 1557	28653 / 874	1.95	1.68
40.80	28723 / 328	28723 / 1693	2.03	1.53
40.90	28793 / 1147	28794 / 464	2.00	1.64
41.00	28863 / 1966	28864 / 1283	2.01	1.63
41.10	28934 / 737	28935 / 54	1.88	1.64
41.20	29004 / 1556	29005 / 873	2.13	1.59
41.30	29075 / 327	29075 / 1692	2.18	1.63
41.40	29145 / 1146	29146 / 463	2.05	1.62
41.50	29215 / 1965	29216 / 1282	1.94	1.63
41.60	29286 / 736	29287 / 53	2.03	1.55
41.70	29356 / 1555	29357 / 872	1.89	1.51
41.80	29427 / 326	29427 / 1691	2.08	1.60
41.90	29497 / 1145	29498 / 462	2.14	1.57
42.00	29567 / 1964	29568 / 1281	2.01	1.67
42.10	29638 / 735	29639 / 52	2.17	1.62
42.20	29708 / 1554	29709 / 871	2.16	1.65
42.30	29779 / 325	29779 / 1690	2.53	1.71
42.40	29849 / 1144	29850 / 461	2.49	1.60
42.50	29919 / 1963	29920 / 1280	2.28	1.62
42.60	29990 / 734	29991 / 51	2.32	1.58
42.70	30060 / 1553	30061 / 870	2.44	1.60

42.80	30131 / 324	30131 / 1689	2.31	1.63
42.90	30201 / 1143	30202 / 460	2.25	1.64
43.00	30271 / 1962	30272 / 1279	2.24	1.29
43.10	30342 / 733	30343 / 50	2.31	1.26
43.20	30412 / 1552	30413 / 869	2.14	1.33
43.30	30483 / 323	30483 / 1688	2.37	1.31
43.40	30553 / 1142	30554 / 459	2.43	1.30
43.50	30623 / 1961	30624 / 1278	2.03	1.28
43.60	30694 / 732	30695 / 49	2.14	1.36
43.70	30764 / 1551	30765 / 868	2.85	1.30
43.80	30835 / 322	30835 / 1687	2.16	1.27
43.90	30905 / 1141	30906 / 458	2.20	1.34
44.00	30975 / 1960	30976 / 1277	1.73	1.15
44.10	31046 / 731	31047 / 48	1.70	1.22
44.20	31116 / 1550	31117 / 867	1.60	1.26
44.30	31187 / 321	31187 / 1686	2.16	1.41
44.40	31257 / 1140	31258 / 457	1.93	1.23
44.50	31327 / 1959	31328 / 1276	2.12	1.30
44.60	31398 / 730	31399 / 47	2.08	1.34
44.70	31468 / 1549	31469 / 866	2.17	1.41
44.80	31539 / 320	31539 / 1685	2.23	1.32
44.90	31609 / 1139	31610 / 456	2.13	1.35
45.00	31679 / 1958	31680 / 1275	1.96	1.41
45.10	31750 / 729	31751 / 46	2.05	1.40
45.20	31820 / 1548	31821 / 865	2.11	1.29
45.30	31891 / 319	31891 / 1684	2.09	1.35
45.40	31961 / 1138	31962 / 455	2.03	1.34
45.50	32031 / 1957	32032 / 1274	2.11	1.31
45.60	32102 / 728	32103 / 45	2.08	1.27
45.70	32172 / 1547	32173 / 864	2.08	1.19
45.80	32243 / 318	32243 / 1683	2.12	1.21
45.90	32313 / 1137	32314 / 454	1.91	1.16
46.00	32383 / 1956	32384 / 1273	1.99	1.19
46.10	32454 / 727	32455 / 44	1.90	1.25
46.20	32524 / 1546	32525 / 863	2.02	1.26
46.30	32595 / 317	32595 / 1682	1.97	1.31
46.40	32665 / 1136	32666 / 453	2.12	1.31
46.50	32735 / 1955	32736 / 1272	2.26	1.42
46.60	32806 / 726	32807 / 43	2.04	1.31
46.70	32876 / 1545	32877 / 862	1.85	1.24
46.80	32947 / 316	32947 / 1681	2.03	1.27
46.90	33017 / 1135	33018 / 452	2.15	1.33
47.00	33087 / 1954	33088 / 1271	2.20	1.28

47.10	33158 / 725	33159 / 42	2.13	1.24
47.20	33228 / 1544	33229 / 861	2.17	1.37
47.30	33299 / 315	33299 / 1680	2.00	1.30
47.40	33369 / 1134	33370 / 451	1.97	1.15
47.50	33439 / 1953	33440 / 1270	2.04	1.18
47.60	33510 / 724	33511 / 41	1.80	1.28
47.70	33580 / 1543	33581 / 860	2.21	1.18
47.80	33651 / 314	33651 / 1679	2.28	1.27
47.90	33721 / 1133	33722 / 450	2.29	1.24
48.00	33791 / 1952	33792 / 1269	2.24	1.18
48.10	33862 / 723	33863 / 40	2.20	1.25
48.20	33932 / 1542	33933 / 859	1.64	1.13
48.30	34003 / 313	34003 / 1678	1.42	1.10
48.40	34073 / 1132	34074 / 449	1.57	1.13
48.50	34143 / 1951	34144 / 1268	1.72	1.18
48.60	34214 / 722	34215 / 39	1.73	1.08
48.70	34284 / 1541	34285 / 858	1.81	1.20
48.80	34355 / 312	34355 / 1677	1.90	1.25
48.90	34425 / 1131	34426 / 448	1.60	1.16
49.00	34495 / 1950	34496 / 1267	1.74	1.26
49.10	34566 / 721	34567 / 38	1.92	1.11
49.20	34636 / 1540	34637 / 857	1.88	1.21
49.30	34707 / 311	34707 / 1676	1.89	1.13
49.40	34777 / 1130	34778 / 447	1.68	1.10
49.50	34847 / 1949	34848 / 1266	2.26	1.29
49.60	34918 / 720	34919 / 37	1.81	1.10
49.70	34988 / 1539	34989 / 856	2.10	1.26
49.80	35059 / 310	35059 / 1675	2.21	1.11
49.90	35129 / 1129	35130 / 446	2.17	1.33
50.00	35199 / 1948	35200 / 1265	2.28	1.06
50.10	35270 / 719	35271 / 36	2.28	1.26
50.20	35340 / 1538	35341 / 855	2.15	1.37
50.30	35411 / 309	35411 / 1674	2.28	1.32
50.40	35481 / 1128	35482 / 445	1.93	1.27
50.50	35551 / 1947	35552 / 1264	1.93	1.12
50.60	35622 / 718	35623 / 35	2.12	1.12
50.70	35692 / 1537	35693 / 854	2.02	1.28
50.80	35763 / 308	35763 / 1673	2.12	1.24
50.90	35833 / 1127	35834 / 444	2.13	1.17
51.00	35903 / 1946	35904 / 1263	2.05	1.18
51.10	35974 / 717	35975 / 34	1.95	1.17
51.20	36044 / 1536	36045 / 853	2.11	1.07
51.30	36115 / 307	36115 / 1672	1.72	1.19

51.40	36185 / 1126	36186 / 443	1.97	1.22
51.50	36255 / 1945	36256 / 1262	1.92	1.33
51.60	36326 / 716	36327 / 33	2.09	1.09
51.70	36396 / 1535	36397 / 852	2.17	1.35
51.80	36467 / 306	36467 / 1671	2.10	1.20
51.90	36537 / 1125	36538 / 442	1.58	1.18
52.00	36607 / 1944	36608 / 1261	1.93	1.37
52.10	36678 / 715	36679 / 32	1.95	1.16
52.20	36748 / 1534	36749 / 851	2.01	1.21
52.30	36819 / 305	36819 / 1670	2.02	1.17
52.40	36889 / 1124	36890 / 441	2.07	1.26
52.50	36959 / 1943	36960 / 1260	2.10	1.32
52.60	37030 / 714	37031 / 31	1.95	1.17
52.70	37100 / 1533	37101 / 850	1.98	1.19
52.80	37171 / 304	37171 / 1669	2.00	1.29
52.90	37241 / 1123	37242 / 440	1.99	1.25
53.00	37311 / 1942	37312 / 1259	2.04	1.17
53.10	37382 / 713	37383 / 30	1.96	1.22
53.20	37452 / 1532	37453 / 849	1.84	1.18
53.30	37523 / 303	37523 / 1668	1.94	1.22
53.40	37593 / 1122	37594 / 439	1.88	1.07
53.50	37663 / 1941	37664 / 1258	1.86	1.20
53.60	37734 / 712	37735 / 29	1.97	1.15
53.70	37804 / 1531	37805 / 848	1.95	1.32
53.80	37875 / 302	37875 / 1667	1.97	1.12
53.90	37945 / 1121	37946 / 438	1.85	1.15
54.00	38015 / 1940	38016 / 1257	1.66	1.07
54.10	38086 / 711	38087 / 28	1.83	1.14
54.20	38156 / 1530	38157 / 847	1.90	1.09
54.30	38227 / 301	38227 / 1666	1.88	1.31
54.40	38297 / 1120	38298 / 437	1.86	1.21
54.50	38367 / 1939	38368 / 1256	1.85	1.12
54.60	38438 / 710	38439 / 27	1.92	1.28
54.70	38508 / 1529	38509 / 846	1.85	1.03
54.80	38579 / 300	38579 / 1665	1.83	1.24
54.90	38649 / 1119	38650 / 436	1.85	1.17
55.00	38719 / 1938	38720 / 1255	1.99	1.12
55.10	38790 / 709	38791 / 26	1.85	1.17
55.20	38860 / 1528	38861 / 845	1.75	1.19
55.30	38931 / 299	38931 / 1664	1.85	1.14
55.40	39001 / 1118	39002 / 435	1.85	1.13
55.50	39071 / 1937	39072 / 1254	1.93	1.15
55.60	39142 / 708	39143 / 25	1.89	1.17

55.70	39212 / 1527	39213 / 844	1.88	1.16
55.80	39283 / 298	39283 / 1663	1.80	1.17
55.90	39353 / 1117	39354 / 434	1.84	1.12
56.00	39423 / 1936	39424 / 1253	1.86	1.19
56.10	39494 / 707	39495 / 24	1.68	1.10
56.20	39564 / 1526	39565 / 843	1.73	1.04
56.30	39635 / 297	39635 / 1662	1.75	1.08
56.40	39705 / 1116	39706 / 433	1.72	1.07
56.50	39775 / 1935	39776 / 1252	1.81	1.15
56.60	39846 / 706	39847 / 23	1.80	1.08
56.70	39916 / 1525	39917 / 842	1.97	1.09
56.80	39987 / 296	39987 / 1661	1.89	1.17
56.90	40057 / 1115	40058 / 432	1.90	1.31
57.00	40127 / 1934	40128 / 1251	0.99	0.99
57.10	40198 / 705	40199 / 22	1.07	1.00
57.20	40268 / 1524	40269 / 841	1.27	1.05
57.30	40339 / 295	40339 / 1660	1.24	0.93
57.40	40409 / 1114	40410 / 431	1.48	1.15
57.50	40479 / 1933	40480 / 1250	1.22	1.04
57.60	40550 / 704	40551 / 21	1.11	0.96
57.70	40620 / 1523	40621 / 840	0.94	0.89
57.80	40691 / 294	40691 / 1659	1.17	0.91
57.90	40761 / 1113	40762 / 430	1.30	1.01
58.00	40831 / 1932	40832 / 1249	1.25	1.03
58.10	40902 / 703	40903 / 20	1.05	1.00
58.20	40972 / 1522	40973 / 839	1.09	1.01
58.30	41043 / 293	41043 / 1658	1.07	0.90
58.40	41113 / 1112	41114 / 429	0.98	0.86
58.50	41183 / 1931	41184 / 1248	1.22	1.07
58.60	41254 / 702	41255 / 19	1.06	0.81
58.70	41324 / 1521	41325 / 838	1.21	0.94
58.80	41395 / 292	41395 / 1657	1.24	0.89
58.90	41465 / 1111	41466 / 428	1.26	0.96
59.00	41535 / 1930	41536 / 1247	1.36	1.24
59.10	41606 / 701	41607 / 18	1.16	0.82
59.20	41676 / 1520	41677 / 837	1.24	0.91
59.30	41747 / 291	41747 / 1656	1.05	0.92
59.40	41817 / 1110	41818 / 427	1.13	0.93
59.50	41887 / 1929	41888 / 1246	1.04	0.82
59.60	41958 / 700	41959 / 17	1.10	0.95
59.70	42028 / 1519	42029 / 836	0.95	0.91
59.80	42099 / 290	42099 / 1655	1.21	1.20
59.90	42169 / 1109	42170 / 426	1.05	1.07

60.00	42239 / 1928	42240 / 1245	1.08	0.84
60.10	42310 / 699	42311 / 16	1.95	1.21
60.20	42380 / 1518	42381 / 835	1.22	1.08
60.30	42451 / 289	42451 / 1654	1.09	1.13
60.40	42521 / 1108	42522 / 425	1.68	1.51
60.50	42591 / 1927	42592 / 1244	2.34	1.35
60.60	42662 / 698	42663 / 15	2.06	1.25
60.70	42732 / 1517	42733 / 834	2.03	1.24
60.80	42803 / 288	42803 / 1653	2.50	1.64
60.90	42873 / 1107	42874 / 424	2.34	1.69
61.00	42943 / 1926	42944 / 1243	2.35	1.70
61.10	43014 / 697	43015 / 14	2.57	1.68
61.20	43084 / 1516	43085 / 833	2.41	1.67
61.30	43155 / 287	43155 / 1652	2.28	1.63
61.40	43225 / 1106	43226 / 423	2.15	1.89
61.50	43295 / 1925	43296 / 1242	2.47	1.74
61.60	43366 / 696	43367 / 13	2.56	1.67
61.70	43436 / 1515	43437 / 832	2.56	1.72
61.80	43507 / 286	43507 / 1651	2.61	1.59
61.90	43577 / 1105	43578 / 422	2.59	1.74
62.00	43647 / 1924	43648 / 1241	2.10	1.43
62.10	43718 / 695	43719 / 12	2.10	1.57
62.20	43788 / 1514	43789 / 831	2.22	1.57
62.30	43859 / 285	43859 / 1650	2.08	1.43
62.40	43929 / 1104	43930 / 421	2.07	1.67
62.50	43999 / 1923	44000 / 1240	2.44	1.60
62.60	44070 / 694	44071 / 11	2.44	1.64
62.70	44140 / 1513	44141 / 830	2.18	1.43
62.80	44211 / 284	44211 / 1649	2.29	1.54
62.90	44281 / 1103	44282 / 420	2.23	1.43
63.00	44351 / 1922	44352 / 1239	2.18	1.71
63.10	44422 / 693	44423 / 10	2.29	1.64
63.20	44492 / 1512	44493 / 829	2.39	1.63
63.30	44563 / 283	44563 / 1648	2.18	1.57
63.40	44633 / 1102	44634 / 419	2.32	1.58
63.50	44703 / 1921	44704 / 1238	2.17	1.64
63.60	44774 / 692	44775 / 9	2.18	1.54
63.70	44844 / 1511	44845 / 828	2.01	1.57
63.80	44915 / 282	44915 / 1647	2.02	1.53
63.90	44985 / 1101	44986 / 418	2.23	1.63
64.00	45055 / 1920	45056 / 1237	1.88	1.40
64.10	45126 / 691	45127 / 8	2.33	1.74
64.20	45196 / 1510	45197 / 827	2.23	1.65

64.30	45267 / 281	45267 / 1646	2.66	1.65
64.40	45337 / 1100	45338 / 417	2.20	1.93
64.50	45407 / 1919	45408 / 1236	2.52	1.78
64.60	45478 / 690	45479 / 7	2.48	1.84
64.70	45548 / 1509	45549 / 826	2.65	2.14
64.80	45619 / 280	45619 / 1645	2.52	1.82
64.90	45689 / 1099	45690 / 416	2.37	1.93
65.00	45759 / 1918	45760 / 1235	2.52	1.91
65.10	45830 / 689	45831 / 6	2.63	1.98
65.20	45900 / 1508	45901 / 825	2.41	1.68
65.30	45971 / 279	45971 / 1644	1.89	1.42
65.40	46041 / 1098	46042 / 415	2.15	1.46
65.50	46111 / 1917	46112 / 1234	2.21	1.52
65.60	46182 / 688	46183 / 5	2.44	1.78
65.70	46252 / 1507	46253 / 824	2.62	1.81
65.80	46323 / 278	46323 / 1643	2.69	1.89
65.90	46393 / 1097	46394 / 414	2.15	1.73
66.00	46463 / 1916	46464 / 1233	2.52	2.03
66.10	46534 / 687	46535 / 4	2.96	1.89
66.20	46604 / 1506	46605 / 823	2.72	2.10
66.30	46675 / 277	46675 / 1642	3.27	2.58
66.40	46745 / 1096	46746 / 413	2.94	2.17
66.50	46815 / 1915	46816 / 1232	2.51	1.76
66.60	46886 / 686	46887 / 3	2.25	1.58
66.70	46956 / 1505	46957 / 822	2.01	1.60
66.80	47027 / 276	47027 / 1641	1.77	1.40
66.90	47097 / 1095	47098 / 412	1.89	1.50
67.00	47167 / 1914	47168 / 1231	1.93	1.62
67.10	47238 / 685	47239 / 2	1.92	1.39
67.20	47308 / 1504	47309 / 821	1.87	1.30
67.30	47379 / 275	47379 / 1640	1.80	1.35
67.40	47449 / 1094	47450 / 411	1.86	1.31
67.50	47519 / 1913	47520 / 1230	1.88	1.29
67.60	47590 / 684	47591 / 1	2.24	1.34
67.70	47660 / 1503	47661 / 820	1.79	1.44
67.80	47731 / 274	47731 / 1639	1.85	1.36
67.90	47801 / 1093	47802 / 410	2.28	1.36
68.00	47871 / 1912	47872 / 1229	1.90	1.71
68.10	47942 / 683	47943 / 0	1.85	1.44
68.20	48012 / 1502	48013 / 819	1.95	1.46
68.30	48083 / 273	48083 / 1638	2.07	1.60
68.40	48153 / 1092	48154 / 409	1.90	1.47
68.50	48223 / 1911	48224 / 1228	2.01	1.83

68.60	48294 / 682	48294 / 2047	1.88	1.46
68.70	48364 / 1501	48365 / 818	2.02	1.66
68.80	48435 / 272	48435 / 1637	1.89	1.77
68.90	48505 / 1091	48506 / 408	1.89	1.64
69.00	48575 / 1910	48576 / 1227	1.87	1.60
69.10	48646 / 681	48646 / 2046	2.22	1.68
69.20	48716 / 1500	48717 / 817	2.02	1.62
69.30	48787 / 271	48787 / 1636	1.87	1.52
69.40	48857 / 1090	48858 / 407	1.83	1.38
69.50	48927 / 1909	48928 / 1226	1.90	1.41
69.60	48998 / 680	48998 / 2045	1.77	1.36
69.70	49068 / 1499	49069 / 816	1.93	1.81
69.80	49139 / 270	49139 / 1635	1.85	1.50
69.90	49209 / 1089	49210 / 406	1.87	1.43
70.00	49279 / 1908	49280 / 1225	1.96	1.62
70.10	49350 / 679	49350 / 2044	2.03	1.38
70.20	49420 / 1498	49421 / 815	1.91	1.70
70.30	49491 / 269	49491 / 1634	2.07	1.65
70.40	49561 / 1088	49562 / 405	2.02	1.65
70.50	49631 / 1907	49632 / 1224	2.31	1.72
70.60	49702 / 678	49702 / 2043	2.26	1.93
70.70	49772 / 1497	49773 / 814	1.98	1.81
70.80	49843 / 268	49843 / 1633	2.16	1.54
70.90	49913 / 1087	49914 / 404	1.90	1.92
71.00	49983 / 1906	49984 / 1223	1.92	2.03
71.10	50054 / 677	50054 / 2042	1.85	1.64
71.20	50124 / 1496	50125 / 813	1.85	1.80
71.30	50195 / 267	50195 / 1632	2.20	1.54
71.40	50265 / 1086	50266 / 403	1.90	1.48
71.50	50335 / 1905	50336 / 1222	1.84	1.74
71.60	50406 / 676	50406 / 2041	1.41	1.17
71.70	50476 / 1495	50477 / 812	3.70	2.72
71.80	50547 / 266	50547 / 1631	4.22	2.46
71.90	50617 / 1085	50618 / 402	4.09	2.59
72.00	50687 / 1904	50688 / 1221	4.09	2.54
72.10	50758 / 675	50758 / 2040	4.59	2.55
72.20	50828 / 1494	50829 / 811	4.13	2.72
72.30	50899 / 265	50899 / 1630	4.90	2.49
72.40	50969 / 1084	50970 / 401	5.39	2.62
72.50	51039 / 1903	51040 / 1220	4.74	2.56
72.60	51110 / 674	51110 / 2039	6.87	2.57
72.70	51180 / 1493	51181 / 810	5.85	2.66
72.80	51251 / 264	51251 / 1629	6.60	2.52

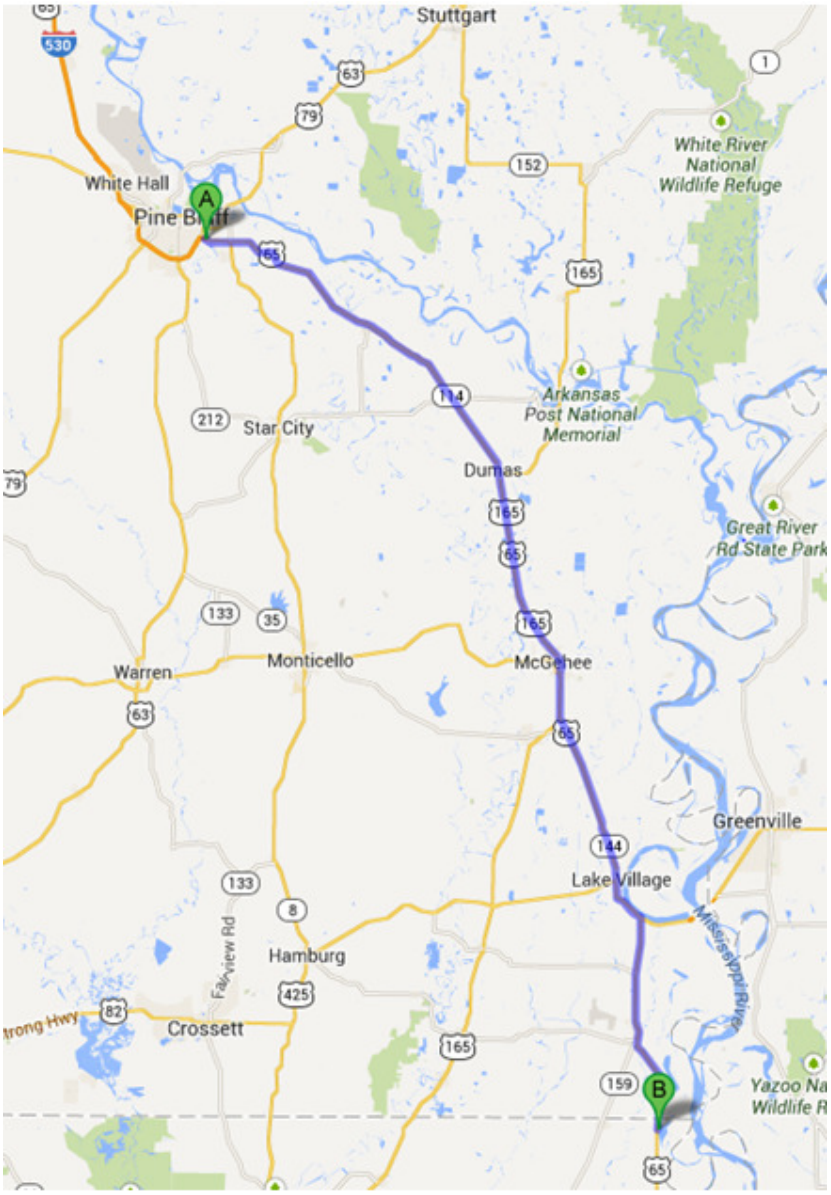
72.90	51321 / 1083	51322 / 400	5.12	2.57
73.00	51391 / 1902	51392 / 1219	5.93	2.64
73.10	51462 / 673	51462 / 2038	5.89	2.62
73.20	51532 / 1492	51533 / 809	5.71	2.53
73.30	51603 / 263	51603 / 1628	6.17	2.43
73.40	51673 / 1082	51674 / 399	5.13	2.45
73.50	51743 / 1901	51744 / 1218	5.37	2.41
73.60	51814 / 672	51814 / 2037	4.67	2.29
73.70	51884 / 1491	51885 / 808	4.18	2.48
73.80	51955 / 262	51955 / 1627	3.87	2.37
73.90	52025 / 1081	52026 / 398	3.86	2.43
74.00	52095 / 1900	52096 / 1217	4.46	2.46
74.10	52166 / 671	52166 / 2036	4.56	2.51
74.20	52236 / 1490	52237 / 807	4.29	2.43
74.30	52307 / 261	52307 / 1626	4.62	2.29
74.40	52377 / 1080	52378 / 397	5.15	2.70
74.50	52447 / 1899	52448 / 1216	4.34	2.34
74.60	52518 / 670	52518 / 2035	5.25	2.71
74.70	52588 / 1489	52589 / 806	3.82	2.25
74.80	52659 / 260	52659 / 1625	5.08	2.46
74.90	52729 / 1079	52730 / 396	5.12	2.45
75.00	52799 / 1898	52800 / 1215	4.31	2.50
75.10	52870 / 669	52870 / 2034	4.49	2.51
75.20	52940 / 1488	52941 / 805	4.75	2.50
75.30	53011 / 259	53011 / 1624	3.62	2.41
75.40	53081 / 1078	53082 / 395	3.42	2.27
75.50	53151 / 1897	53152 / 1214	1.49	1.06
75.60	53222 / 668	53222 / 2033	1.28	0.87
75.70	53292 / 1487	53293 / 804	1.51	0.91
75.80	53363 / 258	53363 / 1623	1.47	0.99
75.90	53433 / 1077	53434 / 394	1.45	1.01
76.00	53503 / 1896	53504 / 1213	1.56	1.07
76.10	53574 / 667	53574 / 2032	1.63	0.95
76.20	53644 / 1486	53645 / 803	1.57	1.17
76.30	53715 / 257	53715 / 1622	1.72	1.11
76.40	53785 / 1076	53786 / 393	1.54	1.19
76.50	53855 / 1895	53856 / 1212	1.36	1.14
76.60	53926 / 666	53926 / 2031	1.73	1.02
76.70	53996 / 1485	53997 / 802	1.82	1.17
76.80	54067 / 256	54067 / 1621	1.80	1.13
76.90	54137 / 1075	54138 / 392	1.80	1.17
77.00	54207 / 1894	54208 / 1211	1.70	1.11
77.10	54278 / 665	54278 / 2030	1.77	1.17

77.20	54348 / 1484	54349 / 801	1.79	1.07
77.30	54419 / 255	54419 / 1620	1.89	1.14
77.40	54489 / 1074	54490 / 391	2.44	1.24
77.50	54559 / 1893	54560 / 1210	1.85	1.26
77.60	54630 / 664	54630 / 2029	1.80	1.17
77.70	54700 / 1483	54701 / 800	1.71	1.16
77.80	54771 / 254	54771 / 1619	1.67	1.19
77.90	54841 / 1073	54842 / 390	1.88	1.17
78.00	54911 / 1892	54912 / 1209	1.99	1.17

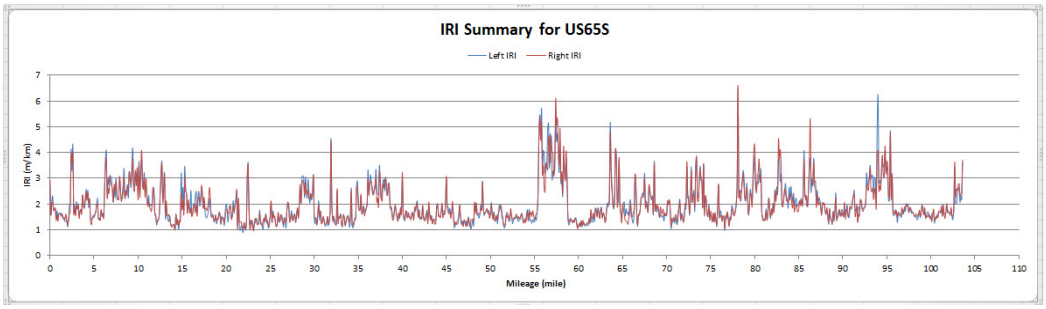
US 65 S (FROM PINE BLUFF)

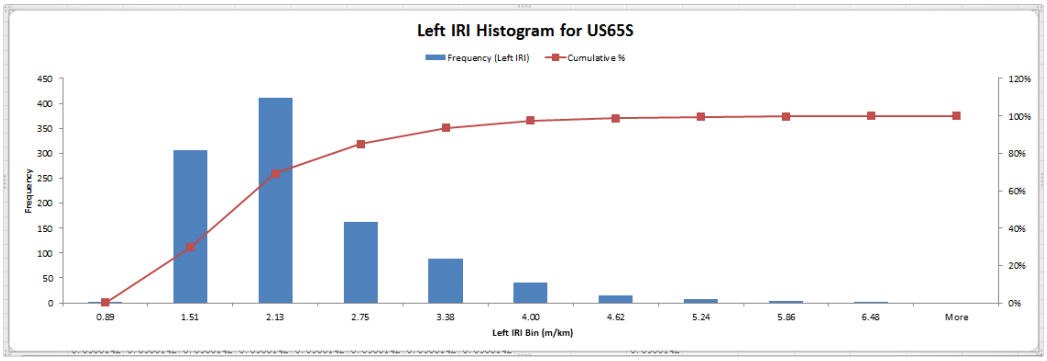
Route Description

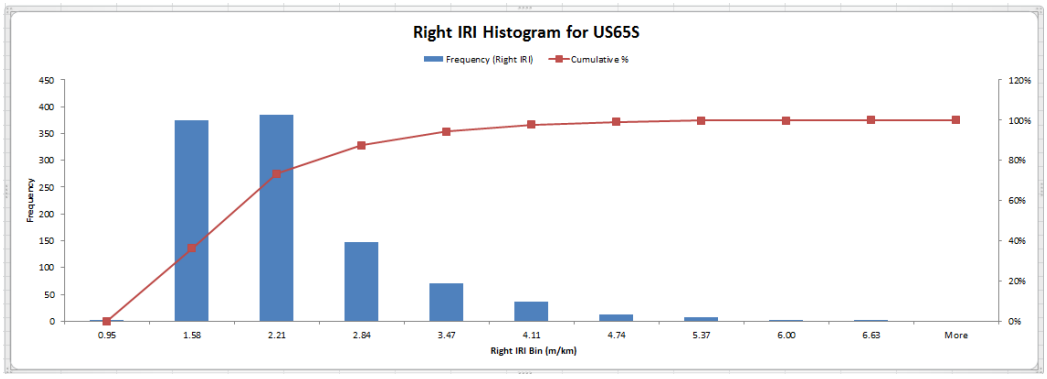
US 65S (From Pine Bluff) data collection starts at GPS coordinate of 34.199243,-91.963019, and ends at GPS coordinate of 32.990803,-91.224525, with a total length of 104 miles.



IRI Data


IRI Summary for US65S
Left IRI
Right IRI
IRI (m/km)
Mileage (mile)


Left IRI Histogram for US65S
Frequency (Left IRI)
Cumulative %
Frequency
0.89
1.51
2.13
2.75
3.38
4.00
4.62
5.24
5.86
6.48
More
Left IRI Bin (m/km)


Right IRI Histogram for US65S
Frequency (Right IRI)
Cumulative %
Frequency
0.95
1.58
2.21
2.84
3.47
4.11
4.74
5.37
6.00
6.63
More
Right IRI Bin (m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	2.92	2.93
0.1	1	529	1057	1.59	1.59
0.2	2	1057	1585	2.06	2.03
0.3	3	1585	2113	2.31	2.08
0.4	4	2113	2641	1.75	1.75
0.5	5	2641	3169	1.79	1.80
0.6	6	3169	3697	1.86	1.84
0.7	7	3697	4225	1.46	1.36
0.8	8	4225	4753	1.73	1.56
0.9	9	4753	5281	1.48	1.33
1	10	5281	5809	1.65	1.62
1.1	11	5809	6337	1.63	1.65
1.2	12	6337	6865	1.57	1.61
1.3	13	6865	7393	1.66	1.52
1.4	14	7393	7921	1.56	1.59
1.5	15	7921	8449	1.43	1.46
1.6	16	8449	8977	1.42	1.49
1.7	17	8977	9505	1.32	1.38
1.8	18	9505	10033	1.32	1.61
1.9	19	10033	10561	1.37	1.40
2	20	10561	11089	1.11	1.21
2.1	21	11089	11617	1.45	1.33
2.2	22	11617	12145	1.97	1.60
2.3	23	12145	12673	2.01	1.74
2.4	24	12673	13201	4.12	3.94
2.5	25	13201	13729	3.27	3.61
2.6	26	13729	14257	4.30	4.00
2.7	27	14257	14785	1.68	1.60
2.8	28	14785	15313	1.97	1.80
2.9	29	15313	15841	1.60	1.54
3	30	15841	16369	2.09	1.96
3.1	31	16369	16897	1.98	1.79
3.2	32	16897	17425	1.99	2.00
3.3	33	17425	17953	1.55	1.45
3.4	34	17953	18481	1.76	1.66
3.5	35	18481	19009	1.80	1.80
3.6	36	19009	19537	1.73	1.61
3.7	37	19537	20065	2.36	2.34
3.8	38	20065	20593	1.91	1.99
3.9	39	20593	21121	1.84	1.84
4	40	21121	21649	2.17	2.17
4.1	41	21649	22177	2.58	2.46

4.2	42	22177	22705	2.17	2.14
4.3	43	22705	23233	2.54	2.47
4.4	44	23233	23761	1.85	2.06
4.5	45	23761	24289	2.20	2.21
4.6	46	24289	24817	1.46	1.34
4.7	47	24817	25345	1.38	1.19
4.8	48	25345	25873	1.44	1.46
4.9	49	25873	26401	1.57	1.47
5	50	26401	26929	1.50	1.48
5.1	51	26929	27457	1.62	1.59
5.2	52	27457	27985	1.70	1.71
5.3	53	27985	28513	1.94	2.02
5.4	54	28513	29041	2.21	2.03
5.5	55	29041	29569	1.40	1.44
5.6	56	29569	30097	1.43	1.46
5.7	57	30097	30625	1.37	1.36
5.8	58	30625	31153	1.75	1.79
5.9	59	31153	31681	1.51	1.61
6	60	31681	32209	1.65	1.62
6.1	61	32209	32737	1.51	1.44
6.2	62	32737	33265	2.58	2.57
6.3	63	33265	33793	3.78	3.43
6.4	64	33793	34321	4.07	3.77
6.5	65	34321	34849	2.34	2.24
6.6	66	34849	35377	3.04	2.61
6.7	67	35377	35905	2.74	2.42
6.8	68	35905	36433	3.12	3.07
6.9	69	36433	36961	3.07	2.82
7	70	36961	37489	2.91	2.71
7.1	71	37489	38017	2.38	2.57
7.2	72	38017	38545	2.07	2.10
7.3	73	38545	39073	2.64	2.77
7.4	74	39073	39601	2.25	2.51
7.5	75	39601	40129	3.02	2.88
7.6	76	40129	40657	2.16	2.39
7.7	77	40657	41185	2.21	2.22
7.8	78	41185	41713	2.17	2.18
7.9	79	41713	42241	3.00	3.08
8	80	42241	42769	2.57	2.63
8.1	81	42769	43297	2.18	2.10
8.2	82	43297	43825	2.25	2.30
8.3	83	43825	44353	2.47	2.73
8.4	84	44353	44881	3.39	3.03

8.5	85	44881	45409	2.22	2.24
8.6	86	45409	45937	2.53	2.48
8.7	87	45937	46465	2.46	2.34
8.8	88	46465	46993	2.76	2.69
8.9	89	46993	47521	2.24	2.58
9	90	47521	48049	3.24	3.27
9.1	91	48049	48577	3.02	2.89
9.2	92	48577	49105	2.64	2.80
9.3	93	49105	49633	3.59	3.22
9.4	94	49633	50161	4.16	3.76
9.5	95	50161	50689	2.70	2.53
9.6	96	50689	51217	2.75	2.49
9.7	97	51217	51745	3.23	3.31
9.8	98	51745	52273	2.91	2.71
9.9	99	52273	52801	3.23	3.41
10	100	52801	53329	2.37	2.16
10.1	101	53329	53857	3.67	3.53
10.2	102	53857	54385	2.48	2.26
10.3	103	54385	54913	3.33	3.11
10.4	104	54913	55441	3.71	4.09
10.5	105	55441	55969	2.77	3.08
10.6	106	55969	56497	2.59	2.57
10.7	107	56497	57025	3.23	3.03
10.8	108	57025	57553	2.46	2.25
10.9	109	57553	58081	2.74	3.01
11	110	58081	58609	2.28	2.18
11.1	111	58609	59137	2.02	1.91
11.2	112	59137	59665	2.34	2.09
11.3	113	59665	60193	1.92	1.85
11.4	114	60193	60721	1.98	1.84
11.5	115	60721	61249	1.94	1.71
11.6	116	61249	61777	2.03	2.02
11.7	117	61777	62305	2.56	2.66
11.8	118	62305	62833	2.61	2.36
11.9	119	62833	63361	1.63	1.59
12	120	63361	63889	1.62	1.51
12.1	121	63889	64417	1.18	1.28
12.2	122	64417	64945	1.37	1.31
12.3	123	64945	65473	1.36	1.42
12.4	124	65473	66001	1.52	1.56
12.5	125	66001	66529	2.24	2.37
12.6	126	66529	67057	3.11	3.03
12.7	127	67057	67585	3.65	3.55

12.8	128	67585	68113	2.21	2.08
12.9	129	68113	68641	2.52	2.51
13	130	68641	69169	3.21	3.15
13.1	131	69169	69697	1.45	1.58
13.2	132	69697	70225	1.88	2.13
13.3	133	70225	70753	1.60	1.56
13.4	134	70753	71281	1.39	1.53
13.5	135	71281	71809	1.32	1.60
13.6	136	71809	72337	1.55	1.39
13.7	137	72337	72865	1.23	1.24
13.8	138	72865	73393	1.12	1.10
13.9	139	73393	73921	1.15	1.16
14	140	73921	74449	1.22	1.22
14.1	141	74449	74977	1.12	1.18
14.2	142	74977	75505	1.00	1.01
14.3	143	75505	76033	1.59	1.62
14.4	144	76033	76561	1.22	1.21
14.5	145	76561	77089	1.30	1.41
14.6	146	77089	77617	1.01	1.16
14.7	147	77617	78145	1.30	1.37
14.8	148	78145	78673	1.53	1.31
14.9	149	78673	79201	3.21	2.41
15	150	79201	79729	2.18	1.77
15.1	151	79729	80257	2.64	2.16
15.2	152	80257	80785	1.74	1.58
15.3	153	80785	81313	3.46	3.05
15.4	154	81313	81841	2.60	2.49
15.5	155	81841	82369	2.37	2.40
15.6	156	82369	82897	1.67	1.63
15.7	157	82897	83425	1.94	2.16
15.8	158	83425	83953	1.89	1.89
15.9	159	83953	84481	1.74	1.64
16	160	84481	85009	2.53	1.84
16.1	161	85009	85537	1.55	1.52
16.2	162	85537	86065	1.66	1.62
16.3	163	86065	86593	2.03	1.98
16.4	164	86593	87121	1.86	1.89
16.5	165	87121	87649	2.32	1.65
16.6	166	87649	88177	2.48	2.00
16.7	167	88177	88705	1.63	1.53
16.8	168	88705	89233	2.25	2.14
16.9	169	89233	89761	2.49	2.29
17	170	89761	90289	1.92	2.08

17.1	171	90289	90817	2.05	2.14
17.2	172	90817	91345	2.66	2.74
17.3	173	91345	91873	2.36	2.36
17.4	174	91873	92401	1.84	1.82
17.5	175	92401	92929	2.13	2.27
17.6	176	92929	93457	1.71	1.81
17.7	177	93457	93985	1.48	1.85
17.8	178	93985	94513	1.47	1.74
17.9	179	94513	95041	1.59	1.87
18	180	95041	95569	1.74	2.14
18.1	181	95569	96097	2.24	2.65
18.2	182	96097	96625	1.88	2.27
18.3	183	96625	97153	1.62	1.49
18.4	184	97153	97681	1.50	1.51
18.5	185	97681	98209	1.60	1.50
18.6	186	98209	98737	1.34	1.32
18.7	187	98737	99265	1.33	1.40
18.8	188	99265	99793	1.55	1.59
18.9	189	99793	100321	1.23	1.37
19	190	100321	100849	1.37	1.44
19.1	191	100849	101377	1.49	1.42
19.2	192	101377	101905	1.70	1.67
19.3	193	101905	102433	1.55	1.63
19.4	194	102433	102961	1.26	1.21
19.5	195	102961	103489	1.52	1.45
19.6	196	103489	104017	1.44	1.47
19.7	197	104017	104545	1.35	1.47
19.8	198	104545	105073	1.18	1.28
19.9	199	105073	105601	1.74	1.54
20	200	105601	106129	2.01	1.77
20.1	201	106129	106657	1.78	1.81
20.2	202	106657	107185	1.31	1.62
20.3	203	107185	107713	1.61	1.65
20.4	204	107713	108241	1.92	1.94
20.5	205	108241	108769	1.91	1.93
20.6	206	108769	109297	1.44	1.41
20.7	207	109297	109825	1.60	1.53
20.8	208	109825	110353	2.13	1.90
20.9	209	110353	110881	1.64	1.74
21	210	110881	111409	2.00	1.91
21.1	211	111409	111937	2.19	2.09
21.2	212	111937	112465	2.49	2.55
21.3	213	112465	112993	1.15	1.00

21.4	214	112993	113521	2.24	2.16
21.5	215	113521	114049	1.18	1.29
21.6	216	114049	114577	0.97	1.29
21.7	217	114577	115105	1.15	1.31
21.8	218	115105	115633	1.11	1.14
21.9	219	115633	116161	0.89	1.04
22	220	116161	116689	1.07	1.28
22.1	221	116689	117217	1.20	1.27
22.2	222	117217	117745	0.98	1.01
22.3	223	117745	118273	1.23	1.23
22.4	224	118273	118801	3.19	3.03
22.5	225	118801	119329	3.61	3.52
22.6	226	119329	119857	1.72	1.57
22.7	227	119857	120385	1.21	1.00
22.8	228	120385	120913	1.38	1.23
22.9	229	120913	121441	1.29	1.38
23	230	121441	121969	1.07	1.28
23.1	231	121969	122497	0.99	0.95
23.2	232	122497	123025	1.18	1.27
23.3	233	123025	123553	1.29	1.45
23.4	234	123553	124081	1.45	1.35
23.5	235	124081	124609	1.41	1.22
23.6	236	124609	125137	1.23	1.18
23.7	237	125137	125665	1.24	1.29
23.8	238	125665	126193	1.77	1.63
23.9	239	126193	126721	1.33	1.28
24	240	126721	127249	1.27	1.18
24.1	241	127249	127777	1.14	1.18
24.2	242	127777	128305	1.02	1.37
24.3	243	128305	128833	1.46	1.44
24.4	244	128833	129361	1.37	1.30
24.5	245	129361	129889	1.62	1.60
24.6	246	129889	130417	1.26	1.33
24.7	247	130417	130945	1.38	1.30
24.8	248	130945	131473	1.06	1.10
24.9	249	131473	132001	1.20	1.34
25	250	132001	132529	1.55	1.53
25.1	251	132529	133057	2.07	2.12
25.2	252	133057	133585	1.32	1.28
25.3	253	133585	134113	1.73	1.65
25.4	254	134113	134641	1.53	1.47
25.5	255	134641	135169	1.54	1.52
25.6	256	135169	135697	1.28	1.23

25.7	257	135697	136225	1.14	1.11
25.8	258	136225	136753	1.15	1.27
25.9	259	136753	137281	1.53	1.69
26	260	137281	137809	1.31	1.45
26.1	261	137809	138337	1.34	1.30
26.2	262	138337	138865	1.58	1.60
26.3	263	138865	139393	1.57	1.43
26.4	264	139393	139921	1.44	1.33
26.5	265	139921	140449	1.11	1.22
26.6	266	140449	140977	1.42	1.48
26.7	267	140977	141505	1.42	1.41
26.8	268	141505	142033	1.06	1.30
26.9	269	142033	142561	1.78	1.76
27	270	142561	143089	2.03	2.09
27.1	271	143089	143617	1.98	1.94
27.2	272	143617	144145	1.39	1.30
27.3	273	144145	144673	1.37	1.42
27.4	274	144673	145201	1.75	1.61
27.5	275	145201	145729	1.55	1.40
27.6	276	145729	146257	1.34	1.45
27.7	277	146257	146785	1.55	1.60
27.8	278	146785	147313	1.62	1.53
27.9	279	147313	147841	1.38	1.28
28	280	147841	148369	1.54	1.64
28.1	281	148369	148897	1.77	1.86
28.2	282	148897	149425	1.54	1.44
28.3	283	149425	149953	2.06	2.01
28.4	284	149953	150481	2.65	2.78
28.5	285	150481	151009	2.00	2.03
28.6	286	151009	151537	3.06	2.71
28.7	287	151537	152065	3.11	2.92
28.8	288	152065	152593	3.00	2.88
28.9	289	152593	153121	2.25	2.34
29	290	153121	153649	3.07	2.83
29.1	291	153649	154177	2.50	2.52
29.2	292	154177	154705	2.24	2.36
29.3	293	154705	155233	2.96	2.58
29.4	294	155233	155761	2.49	2.20
29.5	295	155761	156289	2.03	2.18
29.6	296	156289	156817	2.36	2.42
29.7	297	156817	157345	2.16	2.29
29.8	298	157345	157873	2.46	2.30
29.9	299	157873	158401	3.11	3.14

30	300	158401	158929	1.37	1.57
30.1	301	158929	159457	1.23	1.42
30.2	302	159457	159985	1.48	1.42
30.3	303	159985	160513	1.25	1.18
30.4	304	160513	161041	1.56	1.56
30.5	305	161041	161569	2.13	1.97
30.6	306	161569	162097	1.38	1.54
30.7	307	162097	162625	1.73	1.74
30.8	308	162625	163153	1.40	1.23
30.9	309	163153	163681	1.27	1.27
31	310	163681	164209	1.50	1.52
31.1	311	164209	164737	1.42	1.36
31.2	312	164737	165265	1.16	1.24
31.3	313	165265	165793	1.16	1.21
31.4	314	165793	166321	1.16	1.30
31.5	315	166321	166849	1.53	1.51
31.6	316	166849	167377	1.16	1.22
31.7	317	167377	167905	1.28	1.37
31.8	318	167905	168433	1.67	1.72
31.9	319	168433	168961	4.56	4.46
32	320	168961	169489	2.02	1.94
32.1	321	169489	170017	1.32	1.40
32.2	322	170017	170545	1.54	1.52
32.3	323	170545	171073	1.37	1.25
32.4	324	171073	171601	1.35	1.21
32.5	325	171601	172129	1.17	1.23
32.6	326	172129	172657	2.53	2.60
32.7	327	172657	173185	1.41	1.26
32.8	328	173185	173713	1.50	1.50
32.9	329	173713	174241	1.49	1.45
33	330	174241	174769	1.59	1.62
33.1	331	174769	175297	1.27	1.17
33.2	332	175297	175825	1.11	1.20
33.3	333	175825	176353	1.59	1.55
33.4	334	176353	176881	1.49	1.51
33.5	335	176881	177409	1.20	1.16
33.6	336	177409	177937	1.37	1.28
33.7	337	177937	178465	1.46	1.48
33.8	338	178465	178993	1.56	1.53
33.9	339	178993	179521	1.47	1.33
34	340	179521	180049	1.09	1.28
34.1	341	180049	180577	1.37	1.54
34.2	342	180577	181105	2.63	2.50

34.3	343	181105	181633	1.16	1.16
34.4	344	181633	182161	1.07	1.18
34.5	345	182161	182689	1.19	1.33
34.6	346	182689	183217	1.46	1.37
34.7	347	183217	183745	1.41	1.41
34.8	348	183745	184273	2.69	2.66
34.9	349	184273	184801	2.90	2.69
35	350	184801	185329	2.18	1.97
35.1	351	185329	185857	1.77	1.75
35.2	352	185857	186385	1.77	1.77
35.3	353	186385	186913	2.33	2.38
35.4	354	186913	187441	1.61	1.65
35.5	355	187441	187969	1.68	1.70
35.6	356	187969	188497	1.93	1.89
35.7	357	188497	189025	1.79	1.55
35.8	358	189025	189553	1.71	1.70
35.9	359	189553	190081	1.85	1.81
36	360	190081	190609	1.98	2.06
36.1	361	190609	191137	3.34	3.02
36.2	362	191137	191665	2.43	2.31
36.3	363	191665	192193	2.80	2.85
36.4	364	192193	192721	3.13	2.89
36.5	365	192721	193249	2.81	2.79
36.6	366	193249	193777	2.47	2.64
36.7	367	193777	194305	2.35	2.37
36.8	368	194305	194833	2.53	2.57
36.9	369	194833	195361	2.60	2.78
37	370	195361	195889	3.35	2.97
37.1	371	195889	196417	2.50	2.07
37.2	372	196417	196945	2.42	2.24
37.3	373	196945	197473	2.35	1.89
37.4	374	197473	198001	3.52	3.25
37.5	375	198001	198529	2.59	2.97
37.6	376	198529	199057	2.19	2.31
37.7	377	199057	199585	2.53	2.12
37.8	378	199585	200113	2.86	2.78
37.9	379	200113	200641	2.96	2.63
38	380	200641	201169	2.51	2.88
38.1	381	201169	201697	3.05	2.99
38.2	382	201697	202225	2.72	2.52
38.3	383	202225	202753	2.33	2.34
38.4	384	202753	203281	2.60	2.81
38.5	385	203281	203809	2.81	2.78

38.6	386	203809	204337	1.84	2.00
38.7	387	204337	204865	1.90	1.83
38.8	388	204865	205393	1.82	1.67
38.9	389	205393	205921	1.49	1.38
39	390	205921	206449	1.50	1.41
39.1	391	206449	206977	1.72	1.78
39.2	392	206977	207505	1.88	1.97
39.3	393	207505	208033	1.77	1.64
39.4	394	208033	208561	1.45	1.48
39.5	395	208561	209089	1.36	1.33
39.6	396	209089	209617	1.62	1.66
39.7	397	209617	210145	1.44	1.50
39.8	398	210145	210673	1.88	1.83
39.9	399	210673	211201	1.61	1.60
40	400	211201	211729	2.99	3.23
40.1	401	211729	212257	1.66	1.63
40.2	402	212257	212785	1.45	1.39
40.3	403	212785	213313	1.36	1.53
40.4	404	213313	213841	1.65	1.75
40.5	405	213841	214369	1.72	1.59
40.6	406	214369	214897	1.54	1.46
40.7	407	214897	215425	1.51	1.67
40.8	408	215425	215953	1.50	1.46
40.9	409	215953	216481	1.51	1.47
41	410	216481	217009	1.48	1.39
41.1	411	217009	217537	1.68	1.68
41.2	412	217537	218065	1.54	1.59
41.3	413	218065	218593	1.56	1.38
41.4	414	218593	219121	1.77	1.89
41.5	415	219121	219649	1.72	1.79
41.6	416	219649	220177	2.01	2.00
41.7	417	220177	220705	2.12	2.03
41.8	418	220705	221233	1.48	1.47
41.9	419	221233	221761	1.79	1.77
42	420	221761	222289	1.40	1.45
42.1	421	222289	222817	1.50	1.43
42.2	422	222817	223345	1.43	1.43
42.3	423	223345	223873	1.92	1.96
42.4	424	223873	224401	1.55	1.45
42.5	425	224401	224929	1.42	1.34
42.6	426	224929	225457	1.37	1.43
42.7	427	225457	225985	1.50	1.61
42.8	428	225985	226513	1.76	1.65

42.9	429	226513	227041	1.36	1.24
43	430	227041	227569	1.89	2.08
43.1	431	227569	228097	1.65	1.60
43.2	432	228097	228625	1.44	1.37
43.3	433	228625	229153	1.56	1.54
43.4	434	229153	229681	1.23	1.23
43.5	435	229681	230209	1.40	1.41
43.6	436	230209	230737	1.42	1.36
43.7	437	230737	231265	1.33	1.22
43.8	438	231265	231793	1.37	1.24
43.9	439	231793	232321	1.85	1.94
44	440	232321	232849	2.02	1.94
44.1	441	232849	233377	1.64	1.52
44.2	442	233377	233905	1.56	1.55
44.3	443	233905	234433	1.48	1.47
44.4	444	234433	234961	1.64	1.66
44.5	445	234961	235489	1.96	2.04
44.6	446	235489	236017	1.72	1.47
44.7	447	236017	236545	1.73	1.65
44.8	448	236545	237073	1.59	1.61
44.9	449	237073	237601	2.10	2.06
45	450	237601	238129	3.03	3.08
45.1	451	238129	238657	1.89	1.79
45.2	452	238657	239185	1.90	1.69
45.3	453	239185	239713	1.69	1.62
45.4	454	239713	240241	1.83	1.70
45.5	455	240241	240769	1.57	1.44
45.6	456	240769	241297	1.63	1.71
45.7	457	241297	241825	1.88	2.11
45.8	458	241825	242353	1.56	1.49
45.9	459	242353	242881	1.08	1.17
46	460	242881	243409	1.17	1.32
46.1	461	243409	243937	1.24	1.19
46.2	462	243937	244465	1.24	1.32
46.3	463	244465	244993	1.22	1.39
46.4	464	244993	245521	1.45	1.53
46.5	465	245521	246049	1.97	1.95
46.6	466	246049	246577	1.53	1.58
46.7	467	246577	247105	1.20	1.28
46.8	468	247105	247633	1.37	1.27
46.9	469	247633	248161	1.15	1.13
47	470	248161	248689	1.34	1.38
47.1	471	248689	249217	1.25	1.35

47.2	472	249217	249745	1.22	1.13
47.3	473	249745	250273	1.37	1.22
47.4	474	250273	250801	1.14	1.21
47.5	475	250801	251329	1.50	1.47
47.6	476	251329	251857	1.31	1.26
47.7	477	251857	252385	1.15	1.12
47.8	478	252385	252913	1.03	1.39
47.9	479	252913	253441	1.22	1.39
48	480	253441	253969	1.39	1.43
48.1	481	253969	254497	1.16	1.35
48.2	482	254497	255025	1.99	2.09
48.3	483	255025	255553	1.75	1.63
48.4	484	255553	256081	2.04	2.04
48.5	485	256081	256609	1.57	1.60
48.6	486	256609	257137	1.62	1.64
48.7	487	257137	257665	1.45	1.63
48.8	488	257665	258193	1.61	1.61
48.9	489	258193	258721	1.98	1.83
49	490	258721	259249	1.79	1.75
49.1	491	259249	259777	2.90	2.87
49.2	492	259777	260305	1.84	1.83
49.3	493	260305	260833	1.56	1.63
49.4	494	260833	261361	1.68	1.67
49.5	495	261361	261889	1.73	1.74
49.6	496	261889	262417	1.83	1.82
49.7	497	262417	262945	1.68	1.63
49.8	498	262945	263473	1.76	1.69
49.9	499	263473	264001	1.59	1.45
50	500	264001	264529	1.59	1.59
50.1	501	264529	265057	2.06	2.01
50.2	502	265057	265585	1.67	1.54
50.3	503	265585	266113	1.53	1.40
50.4	504	266113	266641	1.70	1.65
50.5	505	266641	267169	1.33	1.38
50.6	506	267169	267697	1.41	1.36
50.7	507	267697	268225	1.57	1.54
50.8	508	268225	268753	1.24	1.40
50.9	509	268753	269281	1.60	1.67
51	510	269281	269809	1.96	1.71
51.1	511	269809	270337	1.82	1.85
51.2	512	270337	270865	1.92	1.96
51.3	513	270865	271393	1.45	1.65
51.4	514	271393	271921	1.41	1.48

51.5	515	271921	272449	1.16	1.17
51.6	516	272449	272977	1.07	1.17
51.7	517	272977	273505	1.18	1.27
51.8	518	273505	274033	1.63	1.57
51.9	519	274033	274561	1.68	1.48
52	520	274561	275089	1.50	1.59
52.1	521	275089	275617	1.32	1.48
52.2	522	275617	276145	1.49	1.39
52.3	523	276145	276673	1.64	1.83
52.4	524	276673	277201	1.50	1.55
52.5	525	277201	277729	1.25	1.38
52.6	526	277729	278257	1.33	1.44
52.7	527	278257	278785	1.45	1.48
52.8	528	278785	279313	1.42	1.46
52.9	529	279313	279841	1.47	1.60
53	530	279841	280369	1.56	1.57
53.1	531	280369	280897	1.36	1.43
53.2	532	280897	281425	1.32	1.51
53.3	533	281425	281953	1.42	1.43
53.4	534	281953	282481	1.42	1.49
53.5	535	282481	283009	1.63	1.61
53.6	536	283009	283537	1.64	1.57
53.7	537	283537	284065	1.31	1.32
53.8	538	284065	284593	1.28	1.26
53.9	539	284593	285121	1.38	1.44
54	540	285121	285649	1.34	1.28
54.1	541	285649	286177	1.60	1.49
54.2	542	286177	286705	1.78	1.70
54.3	543	286705	287233	1.33	1.36
54.4	544	287233	287761	1.80	1.69
54.5	545	287761	288289	1.35	1.57
54.6	546	288289	288817	1.39	1.70
54.7	547	288817	289345	1.25	1.51
54.8	548	289345	289873	1.40	1.74
54.9	549	289873	290401	1.35	1.57
55	550	290401	290929	1.30	1.40
55.1	551	290929	291457	1.50	1.55
55.2	552	291457	291985	1.37	1.63
55.3	553	291985	292513	1.68	1.68
55.4	554	292513	293041	2.18	2.40
55.5	555	293041	293569	4.52	4.44
55.6	556	293569	294097	5.47	5.42
55.7	557	294097	294625	4.48	4.48

55.8	558	294625	295153	5.72	5.16
55.9	559	295153	295681	3.42	3.14
56	560	295681	296209	4.09	3.49
56.1	561	296209	296737	3.98	2.63
56.2	562	296737	297265	3.21	2.47
56.3	563	297265	297793	3.58	3.58
56.4	564	297793	298321	3.47	3.41
56.5	565	298321	298849	4.96	3.33
56.6	566	298849	299377	5.14	4.65
56.7	567	299377	299905	3.39	4.15
56.8	568	299905	300433	4.72	3.61
56.9	0	1	529	4.16	4.64
57	1	529	1057	2.96	4.02
57.1	2	1057	1585	3.28	3.95
57.2	3	1585	2113	3.18	3.08
57.3	4	2113	2641	3.32	3.46
57.4	5	2641	3169	5.36	6.07
57.5	6	3169	3697	4.43	5.08
57.6	7	3697	4225	4.76	5.34
57.7	8	4225	4753	4.11	4.30
57.8	9	4753	5281	3.22	3.48
57.9	10	5281	5809	4.39	4.95
58	11	5809	6337	2.80	2.96
58.1	12	6337	6865	3.03	3.26
58.2	13	6865	7393	2.30	2.40
58.3	14	7393	7921	3.65	4.24
58.4	15	7921	8449	3.43	3.36
58.5	16	8449	8977	2.95	2.92
58.6	17	8977	9505	3.81	4.07
58.7	18	9505	10033	3.08	2.78
58.8	19	10033	10561	1.42	1.51
58.9	20	10561	11089	1.19	1.29
59	21	11089	11617	1.27	1.40
59.1	22	11617	12145	1.46	1.37
59.2	23	12145	12673	1.39	1.34
59.3	24	12673	13201	1.33	1.28
59.4	25	13201	13729	1.31	1.39
59.5	26	13729	14257	1.29	1.28
59.6	27	14257	14785	1.41	1.45
59.7	28	14785	15313	1.47	1.39
59.8	29	15313	15841	1.28	1.19
59.9	30	15841	16369	1.06	1.05
60	31	16369	16897	1.17	1.13

60.1	32	16897	17425	1.26	1.27
60.2	33	17425	17953	1.14	1.11
60.3	34	17953	18481	1.36	1.34
60.4	35	18481	19009	1.12	1.18
60.5	36	19009	19537	1.25	1.37
60.6	37	19537	20065	1.29	1.19
60.7	38	20065	20593	1.17	1.21
60.8	39	20593	21121	1.14	1.22
60.9	40	21121	21649	1.22	1.19
61	41	21649	22177	1.19	1.29
61.1	42	22177	22705	1.16	1.25
61.2	43	22705	23233	1.28	1.45
61.3	44	23233	23761	1.25	1.28
61.4	45	23761	24289	1.69	1.80
61.5	46	24289	24817	1.29	1.49
61.6	47	24817	25345	1.35	1.45
61.7	48	25345	25873	1.60	1.66
61.8	49	25873	26401	1.31	1.43
61.9	50	26401	26929	1.71	1.84
62	51	26929	27457	1.82	1.79
62.1	52	27457	27985	1.49	1.54
62.2	53	27985	28513	1.86	1.75
62.3	54	28513	29041	1.71	1.63
62.4	55	29041	29569	1.45	1.43
62.5	56	29569	30097	1.80	1.68
62.6	57	30097	30625	1.88	1.86
62.7	58	30625	31153	1.49	1.45
62.8	59	31153	31681	1.67	1.64
62.9	60	31681	32209	1.57	1.60
63	61	32209	32737	1.47	1.28
63.1	62	32737	33265	1.39	1.36
63.2	63	33265	33793	1.86	1.87
63.3	64	33793	34321	2.05	1.88
63.4	65	34321	34849	1.94	2.00
63.5	66	34849	35377	2.28	2.03
63.6	67	35377	35905	5.16	4.82
63.7	68	35905	36433	3.37	3.10
63.8	69	36433	36961	2.69	2.48
63.9	70	36961	37489	1.96	2.04
64	71	37489	38017	1.81	1.88
64.1	72	38017	38545	2.11	2.46
64.2	73	38545	39073	4.12	4.14
64.3	74	39073	39601	3.87	3.58

64.4	75	39601	40129	2.29	1.90
64.5	76	40129	40657	2.07	2.52
64.6	77	40657	41185	3.69	3.82
64.7	78	41185	41713	2.01	1.90
64.8	79	41713	42241	1.65	1.61
64.9	80	42241	42769	1.48	1.27
65	81	42769	43297	1.83	1.99
65.1	82	43297	43825	2.03	1.81
65.2	83	43825	44353	2.09	1.59
65.3	84	44353	44881	1.54	1.37
65.4	85	44881	45409	1.82	1.34
65.5	86	45409	45937	1.64	1.30
65.6	87	45937	46465	1.68	1.21
65.7	88	46465	46993	1.55	1.44
65.8	89	46993	47521	2.00	1.63
65.9	90	47521	48049	2.16	1.99
66	91	48049	48577	1.62	1.51
66.1	92	48577	49105	1.39	1.50
66.2	93	49105	49633	1.26	1.65
66.3	94	49633	50161	1.59	1.79
66.4	95	50161	50689	2.85	3.15
66.5	96	50689	51217	2.80	2.88
66.6	97	51217	51745	1.68	1.73
66.7	98	51745	52273	1.13	1.19
66.8	99	52273	52801	1.58	1.61
66.9	100	52801	53329	1.60	1.56
67	101	53329	53857	1.79	1.79
67.1	102	53857	54385	2.22	2.27
67.2	103	54385	54913	2.36	2.26
67.3	104	54913	55441	2.43	2.26
67.4	105	55441	55969	2.29	2.39
67.5	106	55969	56497	3.21	3.01
67.6	107	56497	57025	1.85	1.88
67.7	108	57025	57553	2.12	2.05
67.8	109	57553	58081	1.92	1.85
67.9	110	58081	58609	1.72	1.68
68	111	58609	59137	2.70	2.73
68.1	112	59137	59665	2.54	2.45
68.2	113	59665	60193	2.24	2.34
68.3	114	60193	60721	2.16	2.20
68.4	115	60721	61249	2.31	2.24
68.5	116	61249	61777	1.61	1.65
68.6	117	61777	62305	3.67	3.61

68.7	118	62305	62833	1.73	1.77
68.8	119	62833	63361	1.88	2.01
68.9	120	63361	63889	1.68	1.81
69	121	63889	64417	1.81	1.96
69.1	122	64417	64945	1.80	1.73
69.2	123	64945	65473	1.47	1.48
69.3	124	65473	66001	1.62	1.89
69.4	125	66001	66529	1.54	1.69
69.5	126	66529	67057	1.49	1.63
69.6	127	67057	67585	1.55	1.81
69.7	128	67585	68113	1.34	1.53
69.8	129	68113	68641	1.63	1.66
69.9	130	68641	69169	1.59	1.54
70	131	69169	69697	1.56	1.56
70.1	132	69697	70225	2.07	2.13
70.2	133	70225	70753	2.03	1.96
70.3	134	70753	71281	2.18	2.17
70.4	135	71281	71809	1.80	1.90
70.5	136	71809	72337	1.06	1.14
70.6	137	72337	72865	1.24	1.45
70.7	138	72865	73393	1.31	1.33
70.8	139	73393	73921	1.50	1.40
70.9	140	73921	74449	1.26	1.35
71	141	74449	74977	1.49	1.59
71.1	142	74977	75505	1.30	1.53
71.2	143	75505	76033	1.20	1.30
71.3	144	76033	76561	1.46	1.68
71.4	145	76561	77089	1.84	1.86
71.5	146	77089	77617	2.19	2.07
71.6	147	77617	78145	1.37	1.43
71.7	148	78145	78673	1.65	1.55
71.8	149	78673	79201	1.47	1.55
71.9	150	79201	79729	1.32	1.28
72	151	79729	80257	1.46	1.57
72.1	152	80257	80785	1.85	2.03
72.2	153	80785	81313	1.80	1.96
72.3	154	81313	81841	3.47	3.65
72.4	155	81841	82369	2.23	2.39
72.5	156	82369	82897	2.30	2.12
72.6	157	82897	83425	1.56	1.64
72.7	158	83425	83953	2.15	2.29
72.8	159	83953	84481	3.46	3.29
72.9	160	84481	85009	2.09	2.10

73	161	85009	85537	2.33	2.36
73.1	162	85537	86065	2.52	2.33
73.2	163	86065	86593	1.72	1.92
73.3	164	86593	87121	3.49	3.17
73.4	165	87121	87649	3.85	3.80
73.5	166	87649	88177	2.27	2.12
73.6	167	88177	88705	2.23	2.10
73.7	168	88705	89233	2.84	2.87
73.8	169	89233	89761	3.48	3.34
73.9	170	89761	90289	3.09	2.92
74	171	90289	90817	2.96	2.93
74.1	172	90817	91345	1.87	1.85
74.2	173	91345	91873	3.54	3.59
74.3	174	91873	92401	1.73	1.56
74.4	175	92401	92929	2.28	2.32
74.5	176	92929	93457	2.06	2.18
74.6	177	93457	93985	1.61	1.59
74.7	178	93985	94513	1.50	1.60
74.8	179	94513	95041	2.00	1.89
74.9	180	95041	95569	1.47	1.36
75	181	95569	96097	1.66	1.73
75.1	182	96097	96625	1.52	1.47
75.2	183	96625	97153	1.31	1.33
75.3	184	97153	97681	1.65	1.65
75.4	185	97681	98209	1.30	1.30
75.5	186	98209	98737	1.59	1.68
75.6	187	98737	99265	1.43	1.33
75.7	188	99265	99793	1.14	1.21
75.8	189	99793	100321	2.04	1.90
75.9	190	100321	100849	2.77	2.76
76	191	100849	101377	1.48	1.48
76.1	192	101377	101905	1.74	1.49
76.2	193	101905	102433	1.62	1.57
76.3	194	102433	102961	1.33	1.35
76.4	195	102961	103489	1.51	1.55
76.5	196	103489	104017	1.51	1.52
76.6	197	104017	104545	0.97	1.04
76.7	198	104545	105073	1.47	1.57
76.8	199	105073	105601	1.42	1.48
76.9	200	105601	106129	1.67	1.71
77	201	106129	106657	1.44	1.35
77.1	202	106657	107185	1.20	1.13
77.2	203	107185	107713	1.50	1.48

77.3	204	107713	108241	1.53	1.39
77.4	205	108241	108769	1.94	1.74
77.5	206	108769	109297	1.84	1.82
77.6	207	109297	109825	1.62	1.56
77.7	208	109825	110353	1.61	1.55
77.8	209	110353	110881	1.69	1.76
77.9	210	110881	111409	1.97	2.04
78	211	111409	111937	2.77	2.78
78.1	212	111937	112465	6.48	6.63
78.2	213	112465	112993	2.25	2.27
78.3	214	112993	113521	2.53	2.54
78.4	215	113521	114049	2.45	2.10
78.5	216	114049	114577	2.55	2.42
78.6	217	114577	115105	2.92	2.90
78.7	218	115105	115633	3.31	3.17
78.8	219	115633	116161	2.90	2.57
78.9	220	116161	116689	2.13	2.19
79	221	116689	117217	2.14	2.31
79.1	222	117217	117745	2.82	2.66
79.2	223	117745	118273	2.09	2.22
79.3	224	118273	118801	1.56	1.59
79.4	225	118801	119329	2.00	1.98
79.5	226	119329	119857	2.56	2.42
79.6	227	119857	120385	2.31	2.40
79.7	228	120385	120913	2.01	1.90
79.8	229	120913	121441	2.85	3.10
79.9	230	121441	121969	3.43	4.07
80	231	121969	122497	3.85	4.31
80.1	232	122497	123025	2.59	2.84
80.2	233	123025	123553	2.57	2.43
80.3	234	123553	124081	2.87	3.09
80.4	235	124081	124609	2.79	3.25
80.5	236	124609	125137	3.17	3.75
80.6	237	125137	125665	2.93	2.84
80.7	238	125665	126193	3.35	3.10
80.8	239	126193	126721	1.68	1.65
80.9	240	126721	127249	1.52	1.40
81	241	127249	127777	1.37	1.35
81.1	242	127777	128305	1.40	1.42
81.2	243	128305	128833	1.53	1.36
81.3	244	128833	129361	1.82	1.72
81.4	245	129361	129889	1.36	1.39
81.5	246	129889	130417	1.79	1.69

81.6	247	130417	130945	2.22	2.24
81.7	248	130945	131473	1.78	1.70
81.8	249	131473	132001	1.44	1.52
81.9	250	132001	132529	1.82	1.80
82	251	132529	133057	1.61	1.59
82.1	252	133057	133585	2.04	2.02
82.2	253	133585	134113	1.76	1.68
82.3	254	134113	134641	2.55	2.50
82.4	255	134641	135169	2.21	2.10
82.5	256	135169	135697	2.68	2.51
82.6	257	135697	136225	2.39	2.51
82.7	258	136225	136753	3.76	4.53
82.8	259	136753	137281	3.78	3.77
82.9	260	137281	137809	2.87	4.12
83	261	137809	138337	3.15	3.52
83.1	262	138337	138865	1.96	1.91
83.2	263	138865	139393	2.04	1.89
83.3	264	139393	139921	2.21	2.27
83.4	265	139921	140449	2.53	2.59
83.5	266	140449	140977	2.80	2.45
83.6	267	140977	141505	2.29	2.13
83.7	268	141505	142033	2.19	2.17
83.8	269	142033	142561	1.84	2.05
83.9	270	142561	143089	2.65	2.32
84	271	143089	143617	2.16	2.26
84.1	272	143617	144145	2.69	2.42
84.2	273	144145	144673	2.40	2.05
84.3	274	144673	145201	2.09	1.85
84.4	275	145201	145729	2.42	2.24
84.5	276	145729	146257	1.93	1.70
84.6	277	146257	146785	2.09	1.89
84.7	278	146785	147313	2.23	1.99
84.8	279	147313	147841	1.93	1.80
84.9	280	147841	148369	1.91	1.69
85	281	148369	148897	2.04	1.81
85.1	282	148897	149425	2.13	2.13
85.2	283	149425	149953	2.11	1.94
85.3	284	149953	150481	2.23	2.18
85.4	285	150481	151009	1.98	1.91
85.5	286	151009	151537	2.30	2.33
85.6	287	151537	152065	4.09	3.72
85.7	288	152065	152593	2.29	2.46
85.8	289	152593	153121	2.34	2.15

85.9	290	153121	153649	1.92	2.32
86	291	153649	154177	1.94	1.89
86.1	292	154177	154705	2.59	2.49
86.2	293	154705	155233	3.45	3.56
86.3	294	155233	155761	3.76	5.32
86.4	295	155761	156289	2.46	2.91
86.5	296	156289	156817	2.99	2.89
86.6	297	156817	157345	2.73	2.73
86.7	298	157345	157873	3.79	3.64
86.8	299	157873	158401	2.67	2.86
86.9	300	158401	158929	2.64	2.89
87	301	158929	159457	2.17	1.87
87.1	302	159457	159985	2.53	2.36
87.2	303	159985	160513	2.01	1.98
87.3	304	160513	161041	2.25	1.99
87.4	305	161041	161569	2.15	2.05
87.5	306	161569	162097	1.95	1.81
87.6	307	162097	162625	1.70	1.56
87.7	308	162625	163153	2.01	2.06
87.8	309	163153	163681	2.04	1.98
87.9	310	163681	164209	1.94	2.04
88	311	164209	164737	1.72	1.68
88.1	312	164737	165265	1.58	1.68
88.2	313	165265	165793	1.77	1.86
88.3	314	165793	166321	1.64	1.44
88.4	315	166321	166849	1.21	1.31
88.5	316	166849	167377	1.80	1.83
88.6	317	167377	167905	1.51	1.45
88.7	318	167905	168433	1.35	1.39
88.8	319	168433	168961	1.27	1.21
88.9	320	168961	169489	1.73	1.69
89	321	169489	170017	1.33	1.45
89.1	322	170017	170545	1.65	1.73
89.2	323	170545	171073	2.44	2.25
89.3	324	171073	171601	1.46	1.36
89.4	325	171601	172129	1.53	1.47
89.5	326	172129	172657	1.70	1.53
89.6	327	172657	173185	1.76	1.80
89.7	328	173185	173713	1.55	1.61
89.8	329	173713	174241	1.69	1.52
89.9	330	174241	174769	1.80	1.68
90	331	174769	175297	1.69	1.54
90.1	332	175297	175825	1.49	1.67

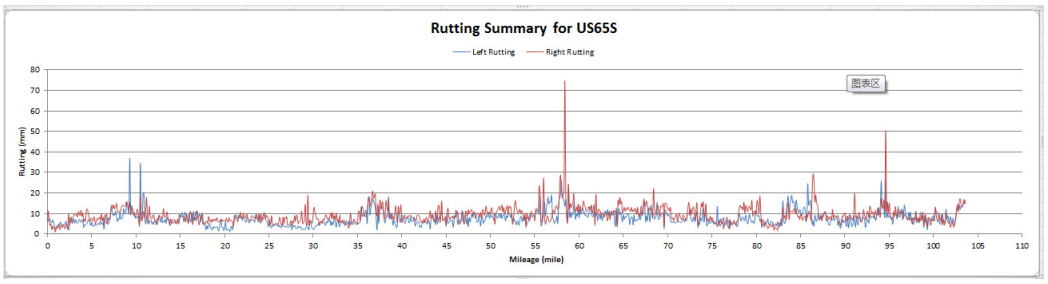
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90.5	336	177409	177937	1.96	1.69
90.6	337	177937	178465	1.56	1.51
90.7	338	178465	178993	1.46	1.63
90.8	339	178993	179521	1.73	1.92
90.9	340	179521	180049	1.81	1.82
91	341	180049	180577	1.86	1.82
91.1	342	180577	181105	2.15	2.06
91.2	343	181105	181633	2.33	2.28
91.3	344	181633	182161	2.52	2.39
91.4	345	182161	182689	1.72	1.52
91.5	346	182689	183217	1.77	1.66
91.6	347	183217	183745	1.87	1.98
91.7	348	183745	184273	1.29	1.29
91.8	349	184273	184801	1.88	1.61
91.9	350	184801	185329	1.80	1.53
92	351	185329	185857	2.16	2.19
92.1	352	185857	186385	2.06	2.12
92.2	353	186385	186913	1.82	1.79
92.3	354	186913	187441	1.80	1.71
92.4	355	187441	187969	1.87	1.83
92.5	356	187969	188497	1.92	1.85
92.6	357	188497	189025	2.16	2.04
92.7	358	189025	189553	3.21	2.73
92.8	359	189553	190081	2.72	2.62
92.9	360	190081	190609	2.87	2.53
93	361	190609	191137	3.03	2.94
93.1	362	191137	191665	3.51	3.37
93.2	363	191665	192193	2.98	2.50
93.3	364	192193	192721	3.13	2.48
93.4	365	192721	193249	3.09	2.62
93.5	366	193249	193777	2.39	2.17
93.6	367	193777	194305	3.04	2.46
93.7	368	194305	194833	2.94	2.61
93.8	369	194833	195361	2.09	1.83
93.9	370	195361	195889	4.82	4.00
94	371	195889	196417	6.20	4.09
94.1	372	196417	196945	2.81	2.50
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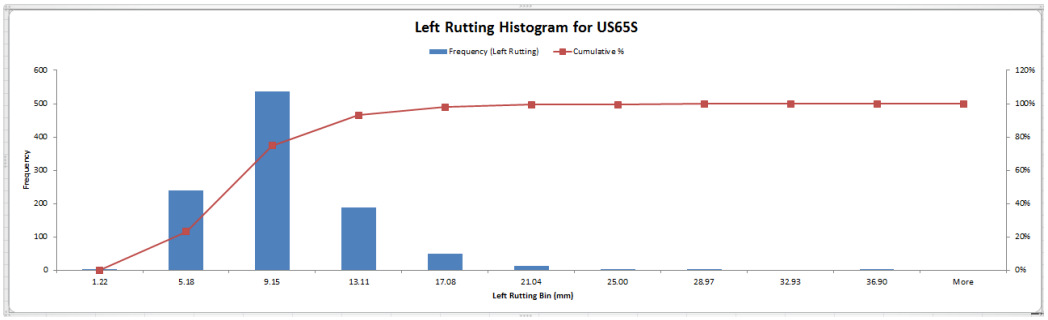
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94.8	379	200113	200641	4.09	4.26
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95	381	201169	201697	3.44	3.67
95.1	382	201697	202225	2.96	3.49
95.2	383	202225	202753	2.11	2.37
95.3	384	202753	203281	2.14	2.26
95.4	385	203281	203809	4.85	4.79
95.5	386	203809	204337	2.30	2.19
95.6	387	204337	204865	3.15	3.19
95.7	388	204865	205393	1.62	1.63
95.8	389	205393	205921	1.54	1.64
95.9	390	205921	206449	1.66	1.75
96	391	206449	206977	1.78	1.60
96.1	392	206977	207505	1.61	1.74
96.2	393	207505	208033	1.28	1.49
96.3	394	208033	208561	1.68	1.66
96.4	395	208561	209089	1.61	1.57
96.5	396	209089	209617	1.61	1.56
96.6	397	209617	210145	1.48	1.58
96.7	398	210145	210673	1.57	1.87
96.8	399	210673	211201	1.78	1.64
96.9	400	211201	211729	1.61	1.67
97	401	211729	212257	1.84	1.89
97.1	402	212257	212785	1.72	1.82
97.2	403	212785	213313	2.02	1.99
97.3	404	213313	213841	1.92	1.98
97.4	405	213841	214369	2.01	1.92
97.5	406	214369	214897	1.67	1.66
97.6	407	214897	215425	1.87	1.85
97.7	408	215425	215953	1.76	1.86
97.8	409	215953	216481	1.64	1.73
97.9	410	216481	217009	1.71	1.67
98	411	217009	217537	1.66	1.64
98.1	412	217537	218065	1.58	1.62
98.2	413	218065	218593	1.49	1.53
98.3	414	218593	219121	1.55	1.60
98.4	415	219121	219649	1.41	1.61
98.5	416	219649	220177	1.39	1.51
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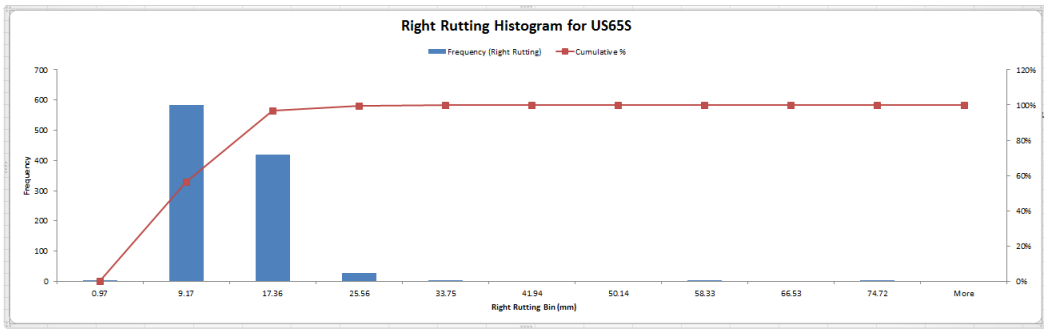
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99	421	222289	222817	1.95	1.96
99.1	422	222817	223345	1.85	1.77
99.2	423	223345	223873	1.59	1.58
99.3	424	223873	224401	1.69	1.86
99.4	425	224401	224929	1.43	1.49
99.5	426	224929	225457	1.58	1.57
99.6	427	225457	225985	1.69	1.49
99.7	428	225985	226513	1.70	1.58
99.8	429	226513	227041	1.49	1.61
99.9	430	227041	227569	1.50	1.43
100	431	227569	228097	1.43	1.53
100.1	432	228097	228625	1.61	1.32
100.2	433	228625	229153	1.65	1.57
100.3	434	229153	229681	1.69	1.81
100.4	435	229681	230209	1.26	1.39
100.5	436	230209	230737	1.43	1.47
100.6	437	230737	231265	1.53	1.42
100.7	438	231265	231793	1.46	1.58
100.8	439	231793	232321	1.61	1.47
100.9	440	232321	232849	1.71	1.73
101	441	232849	233377	1.71	1.71
101.1	442	233377	233905	1.65	1.71
101.2	443	233905	234433	1.78	1.94
101.3	444	234433	234961	1.54	1.53
101.4	445	234961	235489	2.00	1.95
101.5	446	235489	236017	1.61	1.60
101.6	447	236017	236545	1.62	1.44
101.7	448	236545	237073	1.67	1.70
101.8	449	237073	237601	1.91	2.02
101.9	450	237601	238129	1.80	1.65
102	451	238129	238657	1.68	1.69
102.1	452	238657	239185	1.68	1.67
102.2	453	239185	239713	1.55	1.62
102.3	454	239713	240241	1.78	1.87
102.4	455	240241	240769	1.50	1.56
102.5	456	240769	241297	1.39	1.52
102.6	457	241297	241825	1.78	1.76
102.7	458	241825	242353	3.46	3.64
102.8	459	242353	242881	2.01	2.30
102.9	460	242881	243409	2.00	2.59
103	461	243409	243937	2.35	2.53

103.1	462	243937	244465	2.60	2.76
103.2	463	244465	244993	2.64	2.80
103.3	464	244993	245521	2.07	2.30
103.4	465	245521	246049	2.30	2.37
103.5	466	246049	246577	2.17	2.61
103.6	467	246577	247105	3.63	3.72

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	7.20	6.09
0.1	1	529	1057	6.31	11.28
0.2	2	1057	1585	7.92	7.12
0.3	3	1585	2113	6.95	4.14
0.4	4	2113	2641	6.06	4.92
0.5	5	2641	3169	5.43	2.07
0.6	6	3169	3697	6.90	3.91
0.7	7	3697	4225	5.84	2.61
0.8	8	4225	4753	3.94	3.07
0.9	9	4753	5281	2.87	0.97
1	10	5281	5809	3.31	3.37
1.1	11	5809	6337	4.11	2.69
1.2	12	6337	6865	3.29	3.78
1.3	13	6865	7393	3.68	4.91
1.4	14	7393	7921	4.71	2.20
1.5	15	7921	8449	5.89	2.91
1.6	16	8449	8977	4.27	4.49
1.7	17	8977	9505	4.57	3.27
1.8	18	9505	10033	4.20	4.47
1.9	19	10033	10561	4.84	3.53
2	20	10561	11089	4.95	2.52
2.1	21	11089	11617	6.28	4.73
2.2	22	11617	12145	4.25	4.50
2.3	23	12145	12673	4.38	2.65
2.4	24	12673	13201	1.79	9.96
2.5	25	13201	13729	3.85	4.35
2.6	26	13729	14257	5.99	7.87
2.7	27	14257	14785	8.39	6.16
2.8	28	14785	15313	5.11	5.77
2.9	29	15313	15841	6.44	7.48
3	30	15841	16369	7.16	9.35
3.1	31	16369	16897	5.27	9.28
3.2	32	16897	17425	6.93	9.33
3.3	33	17425	17953	5.68	9.62
3.4	34	17953	18481	5.38	8.28
3.5	35	18481	19009	5.77	10.90
3.6	36	19009	19537	7.17	9.88
3.7	37	19537	20065	6.80	8.97
3.8	38	20065	20593	5.69	11.61
3.9	39	20593	21121	6.40	8.56
4	40	21121	21649	6.94	10.20
4.1	41	21649	22177	3.13	5.90

4.2	42	22177	22705	4.54	7.31
4.3	43	22705	23233	4.44	6.31
4.4	44	23233	23761	4.95	11.71
4.5	45	23761	24289	5.21	12.21
4.6	46	24289	24817	6.87	10.55
4.7	47	24817	25345	6.40	8.25
4.8	48	25345	25873	5.87	6.17
4.9	49	25873	26401	4.07	7.63
5	50	26401	26929	5.87	7.59
5.1	51	26929	27457	3.93	6.27
5.2	52	27457	27985	4.21	7.23
5.3	53	27985	28513	3.75	8.40
5.4	54	28513	29041	4.94	5.13
5.5	55	29041	29569	4.32	5.67
5.6	56	29569	30097	4.39	7.52
5.7	57	30097	30625	4.86	7.07
5.8	58	30625	31153	5.31	7.69
5.9	59	31153	31681	4.55	8.22
6	60	31681	32209	6.19	6.63
6.1	61	32209	32737	5.64	9.94
6.2	62	32737	33265	4.64	6.41
6.3	63	33265	33793	5.54	8.23
6.4	64	33793	34321	2.32	4.32
6.5	65	34321	34849	8.29	9.22
6.6	66	34849	35377	8.32	8.72
6.7	67	35377	35905	5.18	9.71
6.8	68	35905	36433	6.08	4.75
6.9	69	36433	36961	7.91	5.02
7	70	36961	37489	6.95	6.51
7.1	71	37489	38017	7.80	8.91
7.2	72	38017	38545	13.20	12.47
7.3	73	38545	39073	11.79	14.28
7.4	74	39073	39601	9.06	12.41
7.5	75	39601	40129	9.84	14.09
7.6	76	40129	40657	9.15	12.27
7.7	77	40657	41185	11.26	12.83
7.8	78	41185	41713	8.47	14.99
7.9	79	41713	42241	6.02	11.81
8	80	42241	42769	7.58	10.69
8.1	81	42769	43297	7.06	11.02
8.2	82	43297	43825	10.30	10.25
8.3	83	43825	44353	7.22	11.68
8.4	84	44353	44881	7.83	13.53

8.5	85	44881	45409	8.17	14.19
8.6	86	45409	45937	12.29	13.72
8.7	87	45937	46465	10.79	13.25
8.8	88	46465	46993	10.22	13.50
8.9	89	46993	47521	12.48	15.71
9	90	47521	48049	15.73	14.78
9.1	91	48049	48577	12.19	13.75
9.2	92	48577	49105	9.88	12.00
9.3	93	49105	49633	36.90	15.68
9.4	94	49633	50161	10.78	9.50
9.5	95	50161	50689	13.96	11.24
9.6	96	50689	51217	11.83	12.74
9.7	97	51217	51745	10.46	9.20
9.8	98	51745	52273	10.71	9.75
9.9	99	52273	52801	7.82	8.50
10	100	52801	53329	8.43	8.99
10.1	101	53329	53857	7.68	11.81
10.2	102	53857	54385	8.59	11.96
10.3	103	54385	54913	8.90	7.10
10.4	104	54913	55441	3.97	4.87
10.5	105	55441	55969	34.65	18.67
10.6	106	55969	56497	7.99	6.49
10.7	107	56497	57025	7.40	6.48
10.8	108	57025	57553	19.74	9.37
10.9	109	57553	58081	19.84	10.94
11	110	58081	58609	7.77	7.54
11.1	111	58609	59137	4.84	12.05
11.2	112	59137	59665	9.12	17.84
11.3	113	59665	60193	6.23	6.72
11.4	114	60193	60721	5.19	5.05
11.5	115	60721	61249	5.25	13.59
11.6	116	61249	61777	6.40	8.66
11.7	117	61777	62305	6.73	8.01
11.8	118	62305	62833	5.12	7.47
11.9	119	62833	63361	5.88	8.66
12	120	63361	63889	4.57	9.30
12.1	121	63889	64417	6.77	6.71
12.2	122	64417	64945	6.51	6.41
12.3	123	64945	65473	5.96	4.51
12.4	124	65473	66001	4.74	7.72
12.5	125	66001	66529	6.46	6.99
12.6	126	66529	67057	8.98	9.10
12.7	127	67057	67585	7.11	8.50

12.8	128	67585	68113	5.79	8.64
12.9	129	68113	68641	8.17	7.98
13	130	68641	69169	5.46	7.70
13.1	131	69169	69697	6.30	12.35
13.2	132	69697	70225	5.90	8.99
13.3	133	70225	70753	7.25	8.02
13.4	134	70753	71281	5.20	8.70
13.5	135	71281	71809	8.25	10.83
13.6	136	71809	72337	6.74	8.29
13.7	137	72337	72865	7.21	7.02
13.8	138	72865	73393	4.14	4.91
13.9	139	73393	73921	4.88	7.46
14	140	73921	74449	5.52	4.98
14.1	141	74449	74977	5.75	7.06
14.2	142	74977	75505	5.35	6.77
14.3	143	75505	76033	5.56	6.83
14.4	144	76033	76561	6.61	6.76
14.5	145	76561	77089	4.99	5.04
14.6	146	77089	77617	5.85	5.45
14.7	147	77617	78145	5.63	7.30
14.8	148	78145	78673	6.95	4.84
14.9	149	78673	79201	9.69	6.62
15	150	79201	79729	8.00	9.11
15.1	151	79729	80257	9.13	8.53
15.2	152	80257	80785	10.55	8.69
15.3	153	80785	81313	8.44	8.44
15.4	154	81313	81841	5.98	8.72
15.5	155	81841	82369	10.60	8.02
15.6	156	82369	82897	9.71	5.85
15.7	157	82897	83425	7.90	9.50
15.8	158	83425	83953	6.29	8.31
15.9	159	83953	84481	5.92	5.07
16	160	84481	85009	9.62	8.27
16.1	161	85009	85537	6.71	11.10
16.2	162	85537	86065	5.85	9.62
16.3	163	86065	86593	10.66	7.90
16.4	164	86593	87121	6.37	4.58
16.5	165	87121	87649	10.89	7.74
16.6	166	87649	88177	6.79	7.10
16.7	167	88177	88705	7.91	9.57
16.8	168	88705	89233	6.40	11.15
16.9	169	89233	89761	11.13	7.56
17	170	89761	90289	9.11	8.67

17.1	171	90289	90817	8.74	4.53
17.2	172	90817	91345	9.89	5.77
17.3	173	91345	91873	5.96	8.07
17.4	174	91873	92401	9.53	7.49
17.5	175	92401	92929	5.68	10.22
17.6	176	92929	93457	4.58	5.17
17.7	177	93457	93985	5.49	5.06
17.8	178	93985	94513	4.38	4.69
17.9	179	94513	95041	2.10	6.15
18	180	95041	95569	4.13	6.14
18.1	181	95569	96097	2.46	5.26
18.2	182	96097	96625	4.26	8.61
18.3	183	96625	97153	5.30	6.31
18.4	184	97153	97681	3.30	6.84
18.5	185	97681	98209	2.40	5.61
18.6	186	98209	98737	1.99	7.38
18.7	187	98737	99265	3.64	6.09
18.8	188	99265	99793	2.95	7.18
18.9	189	99793	100321	3.35	7.23
19	190	100321	100849	2.95	6.35
19.1	191	100849	101377	3.40	7.98
19.2	192	101377	101905	3.45	6.52
19.3	193	101905	102433	1.51	5.96
19.4	194	102433	102961	2.43	5.94
19.5	195	102961	103489	5.97	6.30
19.6	196	103489	104017	7.29	7.32
19.7	197	104017	104545	3.34	6.06
19.8	198	104545	105073	3.25	6.78
19.9	199	105073	105601	1.62	6.30
20	200	105601	106129	2.55	6.42
20.1	201	106129	106657	5.82	6.20
20.2	202	106657	107185	1.82	7.71
20.3	203	107185	107713	2.16	6.25
20.4	204	107713	108241	2.29	5.73
20.5	205	108241	108769	2.20	8.03
20.6	206	108769	109297	1.22	6.42
20.7	207	109297	109825	3.02	6.44
20.8	208	109825	110353	3.75	6.48
20.9	209	110353	110881	2.11	5.78
21	210	110881	111409	4.42	3.73
21.1	211	111409	111937	6.14	8.98
21.2	212	111937	112465	8.20	7.90
21.3	213	112465	112993	9.49	7.37

21.4	214	112993	113521	7.32	6.88
21.5	215	113521	114049	8.18	6.04
21.6	216	114049	114577	8.01	9.28
21.7	217	114577	115105	7.77	8.02
21.8	218	115105	115633	7.82	10.58
21.9	219	115633	116161	8.61	8.28
22	220	116161	116689	6.68	7.29
22.1	221	116689	117217	8.38	10.18
22.2	222	117217	117745	8.40	9.00
22.3	223	117745	118273	6.27	7.94
22.4	224	118273	118801	5.69	8.13
22.5	225	118801	119329	7.56	9.78
22.6	226	119329	119857	8.34	7.96
22.7	227	119857	120385	5.50	6.87
22.8	228	120385	120913	5.60	6.73
22.9	229	120913	121441	6.22	6.12
23	230	121441	121969	6.83	8.21
23.1	231	121969	122497	6.96	8.99
23.2	232	122497	123025	7.01	8.48
23.3	233	123025	123553	6.87	7.88
23.4	234	123553	124081	5.71	8.03
23.5	235	124081	124609	9.27	7.37
23.6	236	124609	125137	8.24	9.70
23.7	237	125137	125665	7.32	7.71
23.8	238	125665	126193	5.97	6.78
23.9	239	126193	126721	9.46	9.94
24	240	126721	127249	5.93	5.49
24.1	241	127249	127777	5.43	9.68
24.2	242	127777	128305	6.58	6.78
24.3	243	128305	128833	7.99	6.63
24.4	244	128833	129361	9.77	8.95
24.5	245	129361	129889	9.53	10.48
24.6	246	129889	130417	7.28	7.33
24.7	247	130417	130945	6.44	9.32
24.8	248	130945	131473	5.93	8.18
24.9	249	131473	132001	3.88	8.33
25	250	132001	132529	3.58	4.41
25.1	251	132529	133057	7.12	5.45
25.2	252	133057	133585	3.74	4.50
25.3	253	133585	134113	3.03	8.91
25.4	254	134113	134641	4.20	5.17
25.5	255	134641	135169	3.84	4.14
25.6	256	135169	135697	4.82	4.28

25.7	257	135697	136225	4.78	4.67
25.8	258	136225	136753	4.44	5.11
25.9	259	136753	137281	4.04	5.26
26	260	137281	137809	4.83	4.53
26.1	261	137809	138337	3.41	5.45
26.2	262	138337	138865	4.23	8.24
26.3	263	138865	139393	3.60	6.59
26.4	264	139393	139921	3.14	4.78
26.5	265	139921	140449	5.37	4.08
26.6	266	140449	140977	4.34	8.36
26.7	267	140977	141505	3.56	5.06
26.8	268	141505	142033	3.54	7.93
26.9	269	142033	142561	3.79	7.53
27	270	142561	143089	3.67	8.50
27.1	271	143089	143617	3.35	4.41
27.2	272	143617	144145	3.50	4.38
27.3	273	144145	144673	3.40	4.59
27.4	274	144673	145201	3.94	5.45
27.5	275	145201	145729	4.76	6.54
27.6	276	145729	146257	1.98	4.28
27.7	277	146257	146785	4.21	6.24
27.8	278	146785	147313	3.59	5.51
27.9	279	147313	147841	4.23	8.96
28	280	147841	148369	2.95	6.21
28.1	281	148369	148897	2.70	9.03
28.2	282	148897	149425	2.73	9.04
28.3	283	149425	149953	3.90	5.13
28.4	284	149953	150481	3.03	6.06
28.5	285	150481	151009	3.17	6.20
28.6	286	151009	151537	3.66	6.77
28.7	287	151537	152065	2.29	11.20
28.8	288	152065	152593	2.21	5.13
28.9	289	152593	153121	2.42	5.15
29	290	153121	153649	2.24	6.91
29.1	291	153649	154177	2.24	14.57
29.2	292	154177	154705	3.34	5.76
29.3	293	154705	155233	3.36	4.05
29.4	294	155233	155761	3.16	19.01
29.5	295	155761	156289	2.00	4.42
29.6	296	156289	156817	4.71	6.80
29.7	297	156817	157345	6.59	6.21
29.8	298	157345	157873	3.97	5.87
29.9	299	157873	158401	2.48	5.35

30	300	158401	158929	2.29	9.83
30.1	301	158929	159457	2.32	13.10
30.2	302	159457	159985	3.33	10.42
30.3	303	159985	160513	3.89	8.92
30.4	304	160513	161041	4.30	7.21
30.5	305	161041	161569	4.14	7.66
30.6	306	161569	162097	5.26	6.91
30.7	307	162097	162625	4.26	4.22
30.8	308	162625	163153	5.99	6.01
30.9	309	163153	163681	5.55	6.25
31	310	163681	164209	5.38	5.13
31.1	311	164209	164737	6.14	7.17
31.2	312	164737	165265	5.41	6.60
31.3	313	165265	165793	5.32	7.61
31.4	314	165793	166321	4.23	9.43
31.5	315	166321	166849	6.11	8.95
31.6	316	166849	167377	5.44	7.31
31.7	317	167377	167905	6.88	7.71
31.8	318	167905	168433	6.09	7.06
31.9	319	168433	168961	6.77	9.16
32	320	168961	169489	4.16	10.26
32.1	321	169489	170017	6.20	7.44
32.2	322	170017	170545	4.36	10.52
32.3	323	170545	171073	5.86	7.11
32.4	324	171073	171601	6.88	8.92
32.5	325	171601	172129	5.54	6.84
32.6	326	172129	172657	3.29	10.30
32.7	327	172657	173185	6.02	6.55
32.8	328	173185	173713	6.16	7.29
32.9	329	173713	174241	4.42	5.39
33	330	174241	174769	3.62	9.18
33.1	331	174769	175297	6.23	5.87
33.2	332	175297	175825	5.78	5.46
33.3	333	175825	176353	6.13	6.73
33.4	334	176353	176881	4.88	5.93
33.5	335	176881	177409	5.79	6.70
33.6	336	177409	177937	3.99	5.99
33.7	337	177937	178465	5.48	4.81
33.8	338	178465	178993	6.39	4.94
33.9	339	178993	179521	5.57	5.14
34	340	179521	180049	4.92	2.78
34.1	341	180049	180577	6.77	5.04
34.2	342	180577	181105	4.18	10.34

34.3	343	181105	181633	5.97	6.80
34.4	344	181633	182161	4.93	5.45
34.5	345	182161	182689	4.97	5.50
34.6	346	182689	183217	4.80	7.38
34.7	347	183217	183745	5.69	6.04
34.8	348	183745	184273	5.91	5.77
34.9	349	184273	184801	4.54	5.05
35	350	184801	185329	4.80	5.02
35.1	351	185329	185857	5.44	11.22
35.2	352	185857	186385	5.27	10.97
35.3	353	186385	186913	5.93	6.41
35.4	354	186913	187441	13.27	9.62
35.5	355	187441	187969	8.57	13.50
35.6	356	187969	188497	9.37	12.39
35.7	357	188497	189025	9.56	9.13
35.8	358	189025	189553	8.44	9.09
35.9	359	189553	190081	11.59	8.73
36	360	190081	190609	10.22	8.59
36.1	361	190609	191137	5.07	11.51
36.2	362	191137	191665	16.89	16.35
36.3	363	191665	192193	18.33	17.80
36.4	364	192193	192721	9.32	13.24
36.5	365	192721	193249	12.36	15.63
36.6	366	193249	193777	13.96	17.44
36.7	367	193777	194305	17.16	20.99
36.8	368	194305	194833	16.07	17.55
36.9	369	194833	195361	15.08	18.27
37	370	195361	195889	12.72	19.47
37.1	371	195889	196417	7.55	11.54
37.2	372	196417	196945	2.00	8.87
37.3	373	196945	197473	9.72	14.62
37.4	374	197473	198001	5.24	7.24
37.5	375	198001	198529	12.28	16.47
37.6	376	198529	199057	13.65	15.40
37.7	377	199057	199585	13.08	12.00
37.8	378	199585	200113	12.86	15.91
37.9	379	200113	200641	11.92	13.13
38	380	200641	201169	7.70	7.28
38.1	381	201169	201697	5.37	8.57
38.2	382	201697	202225	7.56	16.31
38.3	383	202225	202753	9.23	13.41
38.4	384	202753	203281	8.47	11.41
38.5	385	203281	203809	18.22	16.49

38.6	386	203809	204337	7.81	7.52
38.7	387	204337	204865	8.67	10.20
38.8	388	204865	205393	7.09	9.00
38.9	389	205393	205921	10.24	8.14
39	390	205921	206449	4.32	8.50
39.1	391	206449	206977	6.77	7.04
39.2	392	206977	207505	5.67	9.62
39.3	393	207505	208033	4.44	13.86
39.4	394	208033	208561	3.11	8.24
39.5	395	208561	209089	3.97	5.79
39.6	396	209089	209617	10.35	13.42
39.7	397	209617	210145	9.85	10.30
39.8	398	210145	210673	5.71	10.55
39.9	399	210673	211201	7.10	14.19
40	400	211201	211729	9.26	5.71
40.1	401	211729	212257	8.09	7.47
40.2	402	212257	212785	7.25	7.16
40.3	403	212785	213313	5.47	9.29
40.4	404	213313	213841	5.36	7.59
40.5	405	213841	214369	7.13	7.75
40.6	406	214369	214897	7.52	8.37
40.7	407	214897	215425	8.52	8.69
40.8	408	215425	215953	5.55	9.02
40.9	409	215953	216481	5.62	8.75
41	410	216481	217009	8.38	9.18
41.1	411	217009	217537	6.32	8.40
41.2	412	217537	218065	6.06	8.02
41.3	413	218065	218593	6.45	7.77
41.4	414	218593	219121	8.35	7.05
41.5	415	219121	219649	3.96	7.33
41.6	416	219649	220177	5.15	6.04
41.7	417	220177	220705	5.37	8.82
41.8	418	220705	221233	5.95	9.30
41.9	419	221233	221761	5.76	9.07
42	420	221761	222289	3.35	8.47
42.1	421	222289	222817	3.83	6.01
42.2	422	222817	223345	3.28	5.81
42.3	423	223345	223873	5.62	6.41
42.4	424	223873	224401	5.41	5.55
42.5	425	224401	224929	5.44	7.39
42.6	426	224929	225457	5.99	5.54
42.7	427	225457	225985	5.64	7.60
42.8	428	225985	226513	5.09	8.05

42.9	429	226513	227041	4.94	5.21
43	430	227041	227569	6.29	6.80
43.1	431	227569	228097	6.08	8.36
43.2	432	228097	228625	2.39	11.32
43.3	433	228625	229153	7.16	7.40
43.4	434	229153	229681	8.52	9.40
43.5	435	229681	230209	9.40	7.86
43.6	436	230209	230737	6.27	6.79
43.7	437	230737	231265	7.22	5.95
43.8	438	231265	231793	4.48	11.30
43.9	439	231793	232321	9.39	7.97
44	440	232321	232849	5.12	6.82
44.1	441	232849	233377	6.37	13.96
44.2	442	233377	233905	8.45	13.86
44.3	443	233905	234433	7.13	5.67
44.4	444	234433	234961	8.81	8.64
44.5	445	234961	235489	11.18	16.04
44.6	446	235489	236017	7.57	6.55
44.7	447	236017	236545	6.81	7.04
44.8	448	236545	237073	6.63	7.06
44.9	449	237073	237601	6.46	8.52
45	450	237601	238129	3.83	4.49
45.1	451	238129	238657	10.27	9.60
45.2	452	238657	239185	5.20	12.65
45.3	453	239185	239713	5.55	8.98
45.4	454	239713	240241	6.14	7.06
45.5	455	240241	240769	6.25	8.05
45.6	456	240769	241297	6.93	7.96
45.7	457	241297	241825	6.89	8.78
45.8	458	241825	242353	3.22	7.55
45.9	459	242353	242881	6.82	8.78
46	460	242881	243409	9.12	7.82
46.1	461	243409	243937	8.28	11.61
46.2	462	243937	244465	10.14	10.08
46.3	463	244465	244993	4.68	10.90
46.4	464	244993	245521	7.00	8.08
46.5	465	245521	246049	5.71	4.79
46.6	466	246049	246577	5.73	5.77
46.7	467	246577	247105	6.56	7.23
46.8	468	247105	247633	11.49	9.66
46.9	469	247633	248161	5.84	10.66
47	470	248161	248689	7.79	4.95
47.1	471	248689	249217	8.93	5.30

47.2	472	249217	249745	9.16	11.26
47.3	473	249745	250273	4.78	10.31
47.4	474	250273	250801	7.97	8.46
47.5	475	250801	251329	3.43	11.86
47.6	476	251329	251857	8.05	9.94
47.7	477	251857	252385	5.81	11.19
47.8	478	252385	252913	7.84	11.36
47.9	479	252913	253441	9.69	11.87
48	480	253441	253969	8.03	9.22
48.1	481	253969	254497	10.00	10.57
48.2	482	254497	255025	10.89	9.65
48.3	483	255025	255553	8.84	7.62
48.4	484	255553	256081	7.93	8.63
48.5	485	256081	256609	5.72	10.26
48.6	486	256609	257137	6.10	9.94
48.7	487	257137	257665	9.01	9.89
48.8	488	257665	258193	7.06	8.54
48.9	489	258193	258721	3.91	10.58
49	490	258721	259249	7.86	7.58
49.1	491	259249	259777	8.41	11.82
49.2	492	259777	260305	5.11	11.74
49.3	493	260305	260833	6.58	9.12
49.4	494	260833	261361	6.62	10.16
49.5	495	261361	261889	9.01	13.66
49.6	496	261889	262417	8.23	10.77
49.7	497	262417	262945	10.66	10.74
49.8	498	262945	263473	9.23	9.26
49.9	499	263473	264001	7.55	10.86
50	500	264001	264529	9.50	9.95
50.1	501	264529	265057	8.41	12.89
50.2	502	265057	265585	8.87	11.42
50.3	503	265585	266113	7.70	9.71
50.4	504	266113	266641	6.79	9.32
50.5	505	266641	267169	10.32	4.72
50.6	506	267169	267697	8.67	8.54
50.7	507	267697	268225	8.58	10.91
50.8	508	268225	268753	7.74	11.88
50.9	509	268753	269281	9.23	12.76
51	510	269281	269809	10.04	13.47
51.1	511	269809	270337	7.77	11.54
51.2	512	270337	270865	10.13	12.44
51.3	513	270865	271393	7.61	14.21
51.4	514	271393	271921	8.84	10.68

51.5	515	271921	272449	9.45	13.04
51.6	516	272449	272977	8.58	9.52
51.7	517	272977	273505	6.46	11.22
51.8	518	273505	274033	9.06	12.69
51.9	519	274033	274561	7.84	13.73
52	520	274561	275089	9.22	9.62
52.1	521	275089	275617	10.25	13.50
52.2	522	275617	276145	9.23	12.74
52.3	523	276145	276673	7.96	13.27
52.4	524	276673	277201	9.96	8.33
52.5	525	277201	277729	6.11	4.65
52.6	526	277729	278257	7.82	7.01
52.7	527	278257	278785	6.54	12.99
52.8	528	278785	279313	6.43	16.36
52.9	529	279313	279841	4.39	13.47
53	530	279841	280369	5.93	11.50
53.1	531	280369	280897	6.31	10.24
53.2	532	280897	281425	4.19	10.69
53.3	533	281425	281953	6.28	12.17
53.4	534	281953	282481	8.63	10.23
53.5	535	282481	283009	8.15	11.53
53.6	536	283009	283537	5.98	10.53
53.7	537	283537	284065	8.47	8.72
53.8	538	284065	284593	6.33	6.98
53.9	539	284593	285121	8.30	9.79
54	540	285121	285649	5.64	3.24
54.1	541	285649	286177	4.52	10.13
54.2	542	286177	286705	5.82	7.33
54.3	543	286705	287233	6.32	8.34
54.4	544	287233	287761	8.79	6.47
54.5	545	287761	288289	9.95	8.25
54.6	546	288289	288817	9.14	11.08
54.7	547	288817	289345	8.25	9.92
54.8	548	289345	289873	9.34	9.88
54.9	549	289873	290401	9.13	9.15
55	550	290401	290929	8.59	6.41
55.1	551	290929	291457	11.20	12.29
55.2	552	291457	291985	10.63	12.42
55.3	553	291985	292513	11.22	11.25
55.4	554	292513	293041	11.44	11.99
55.5	555	293041	293569	9.66	23.59
55.6	556	293569	294097	18.78	18.42
55.7	557	294097	294625	3.93	5.90

55.8	558	294625	295153	4.55	5.71
55.9	559	295153	295681	6.96	12.26
56	560	295681	296209	12.22	27.38
56.1	561	296209	296737	15.54	8.26
56.2	562	296737	297265	8.79	4.81
56.3	563	297265	297793	12.32	6.50
56.4	564	297793	298321	14.65	8.86
56.5	565	298321	298849	17.93	8.19
56.6	566	298849	299377	14.71	6.18
56.7	567	299377	299905	15.87	5.93
56.8	568	299905	300433	15.61	6.37
56.9	0	1	529	18.92	8.35
57	1	529	1057	9.09	10.50
57.1	2	1057	1585	6.87	11.64
57.2	3	1585	2113	5.17	10.04
57.3	4	2113	2641	6.19	11.73
57.4	5	2641	3169	6.35	13.70
57.5	6	3169	3697	8.85	13.28
57.6	7	3697	4225	5.09	11.97
57.7	8	4225	4753	15.37	12.69
57.8	9	4753	5281	17.55	22.95
57.9	10	5281	5809	19.26	28.78
58	11	5809	6337	26.07	23.30
58.1	12	6337	6865	18.24	17.59
58.2	13	6865	7393	17.49	19.12
58.3	14	7393	7921	15.97	20.30
58.4	15	7921	8449	13.46	74.72
58.5	16	8449	8977	16.75	19.07
58.6	17	8977	9505	7.79	10.59
58.7	18	9505	10033	5.68	5.72
58.8	19	10033	10561	24.22	24.23
58.9	20	10561	11089	8.31	12.10
59	21	11089	11617	10.86	14.84
59.1	22	11617	12145	7.92	12.68
59.2	23	12145	12673	10.27	14.67
59.3	24	12673	13201	9.63	14.67
59.4	25	13201	13729	14.70	19.89
59.5	26	13729	14257	11.25	11.70
59.6	27	14257	14785	7.14	10.53
59.7	28	14785	15313	9.71	13.23
59.8	29	15313	15841	8.87	11.25
59.9	30	15841	16369	11.69	14.69
60	31	16369	16897	7.87	10.24

60.1	32	16897	17425	11.98	13.83
60.2	33	17425	17953	9.70	11.72
60.3	34	17953	18481	10.77	11.55
60.4	35	18481	19009	12.92	13.39
60.5	36	19009	19537	10.38	16.16
60.6	37	19537	20065	10.70	13.87
60.7	38	20065	20593	8.99	13.27
60.8	39	20593	21121	9.25	10.94
60.9	40	21121	21649	8.49	11.40
61	41	21649	22177	8.17	12.43
61.1	42	22177	22705	9.67	13.35
61.2	43	22705	23233	13.18	11.77
61.3	44	23233	23761	12.64	12.33
61.4	45	23761	24289	9.62	14.18
61.5	46	24289	24817	8.66	10.33
61.6	47	24817	25345	8.46	12.02
61.7	48	25345	25873	11.30	14.07
61.8	49	25873	26401	9.53	4.26
61.9	50	26401	26929	8.79	19.27
62	51	26929	27457	10.28	10.43
62.1	52	27457	27985	6.48	10.04
62.2	53	27985	28513	8.90	12.18
62.3	54	28513	29041	9.94	11.31
62.4	55	29041	29569	7.27	11.09
62.5	56	29569	30097	9.89	9.12
62.6	57	30097	30625	6.46	10.38
62.7	58	30625	31153	8.96	9.91
62.8	59	31153	31681	8.58	8.08
62.9	60	31681	32209	10.99	9.33
63	61	32209	32737	11.15	10.39
63.1	62	32737	33265	8.83	9.32
63.2	63	33265	33793	11.99	6.35
63.3	64	33793	34321	9.12	8.32
63.4	65	34321	34849	11.08	10.73
63.5	66	34849	35377	9.32	7.02
63.6	67	35377	35905	9.00	11.26
63.7	68	35905	36433	10.69	10.43
63.8	69	36433	36961	9.10	9.82
63.9	70	36961	37489	10.23	11.52
64	71	37489	38017	7.05	10.49
64.1	72	38017	38545	3.88	11.21
64.2	73	38545	39073	12.81	9.66
64.3	74	39073	39601	3.66	3.99

64.4	75	39601	40129	8.94	16.38
64.5	76	40129	40657	12.37	14.08
64.6	77	40657	41185	9.36	17.85
64.7	78	41185	41713	10.64	14.79
64.8	79	41713	42241	8.08	15.85
64.9	80	42241	42769	5.94	10.30
65	81	42769	43297	9.31	11.91
65.1	82	43297	43825	7.18	12.92
65.2	83	43825	44353	8.40	11.09
65.3	84	44353	44881	8.19	12.50
65.4	85	44881	45409	9.08	11.96
65.5	86	45409	45937	9.87	13.21
65.6	87	45937	46465	9.92	11.83
65.7	88	46465	46993	4.62	11.82
65.8	89	46993	47521	7.35	11.07
65.9	90	47521	48049	8.37	13.04
66	91	48049	48577	8.12	10.94
66.1	92	48577	49105	4.34	11.80
66.2	93	49105	49633	9.41	10.95
66.3	94	49633	50161	6.18	12.43
66.4	95	50161	50689	6.74	12.12
66.5	96	50689	51217	6.61	9.58
66.6	97	51217	51745	7.19	13.05
66.7	98	51745	52273	6.99	9.37
66.8	99	52273	52801	10.31	8.73
66.9	100	52801	53329	6.85	8.93
67	101	53329	53857	8.92	13.65
67.1	102	53857	54385	11.26	11.23
67.2	103	54385	54913	10.45	9.26
67.3	104	54913	55441	15.99	17.03
67.4	105	55441	55969	15.96	13.81
67.5	106	55969	56497	6.23	13.66
67.6	107	56497	57025	8.88	16.15
67.7	108	57025	57553	6.32	13.59
67.8	109	57553	58081	11.39	10.93
67.9	110	58081	58609	9.10	12.95
68	111	58609	59137	6.20	11.54
68.1	112	59137	59665	13.89	12.28
68.2	113	59665	60193	12.21	11.67
68.3	114	60193	60721	10.65	8.07
68.4	115	60721	61249	9.63	22.11
68.5	116	61249	61777	7.26	12.72
68.6	117	61777	62305	7.97	10.64

68.7	118	62305	62833	9.29	9.42
68.8	119	62833	63361	15.44	13.85
68.9	120	63361	63889	8.14	13.92
69	121	63889	64417	6.98	11.42
69.1	122	64417	64945	7.93	8.70
69.2	123	64945	65473	8.61	13.58
69.3	124	65473	66001	10.03	13.29
69.4	125	66001	66529	10.34	13.37
69.5	126	66529	67057	9.20	14.81
69.6	127	67057	67585	2.54	3.85
69.7	128	67585	68113	11.31	15.06
69.8	129	68113	68641	11.39	14.95
69.9	130	68641	69169	9.72	14.41
70	131	69169	69697	8.73	12.07
70.1	132	69697	70225	9.61	12.40
70.2	133	70225	70753	8.84	11.11
70.3	134	70753	71281	7.14	13.14
70.4	135	71281	71809	5.63	8.45
70.5	136	71809	72337	6.04	7.34
70.6	137	72337	72865	5.59	7.86
70.7	138	72865	73393	6.11	6.46
70.8	139	73393	73921	5.68	8.18
70.9	140	73921	74449	5.35	8.47
71	141	74449	74977	5.96	9.65
71.1	142	74977	75505	5.81	6.09
71.2	143	75505	76033	5.96	8.75
71.3	144	76033	76561	6.16	10.23
71.4	145	76561	77089	5.80	8.42
71.5	146	77089	77617	5.60	7.49
71.6	147	77617	78145	6.08	7.02
71.7	148	78145	78673	6.61	9.02
71.8	149	78673	79201	7.56	9.17
71.9	150	79201	79729	5.81	7.91
72	151	79729	80257	7.05	7.61
72.1	152	80257	80785	6.84	6.41
72.2	153	80785	81313	9.26	9.75
72.3	154	81313	81841	9.65	13.46
72.4	155	81841	82369	10.20	15.32
72.5	156	82369	82897	10.93	8.97
72.6	157	82897	83425	8.29	12.51
72.7	158	83425	83953	6.47	9.61
72.8	159	83953	84481	6.04	12.12
72.9	160	84481	85009	8.17	13.15

73	161	85009	85537	6.89	10.57
73.1	162	85537	86065	6.07	6.93
73.2	163	86065	86593	8.45	11.87
73.3	164	86593	87121	10.90	15.12
73.4	165	87121	87649	3.28	4.81
73.5	166	87649	88177	5.63	6.34
73.6	167	88177	88705	4.47	8.13
73.7	168	88705	89233	8.07	9.65
73.8	169	89233	89761	6.27	14.95
73.9	170	89761	90289	7.88	13.10
74	171	90289	90817	12.42	15.81
74.1	172	90817	91345	5.67	10.97
74.2	173	91345	91873	10.11	8.50
74.3	174	91873	92401	9.50	14.77
74.4	175	92401	92929	4.04	8.75
74.5	176	92929	93457	5.01	6.05
74.6	177	93457	93985	5.04	7.43
74.7	178	93985	94513	6.30	6.39
74.8	179	94513	95041	5.18	8.74
74.9	180	95041	95569	6.05	6.75
75	181	95569	96097	6.90	7.99
75.1	182	96097	96625	5.64	7.13
75.2	183	96625	97153	6.23	4.90
75.3	184	97153	97681	5.54	5.60
75.4	185	97681	98209	4.83	5.42
75.5	186	98209	98737	4.94	5.16
75.6	187	98737	99265	13.52	3.56
75.7	188	99265	99793	4.28	5.30
75.8	189	99793	100321	6.96	6.14
75.9	190	100321	100849	3.83	5.33
76	191	100849	101377	4.69	7.49
76.1	192	101377	101905	5.34	5.03
76.2	193	101905	102433	6.01	5.79
76.3	194	102433	102961	8.21	2.52
76.4	195	102961	103489	4.71	5.21
76.5	196	103489	104017	4.40	5.13
76.6	197	104017	104545	4.59	7.38
76.7	198	104545	105073	6.55	8.12
76.8	199	105073	105601	3.83	6.13
76.9	200	105601	106129	2.87	6.17
77	201	106129	106657	7.10	2.50
77.1	202	106657	107185	5.12	6.09
77.2	203	107185	107713	4.39	4.99

77.3	204	107713	108241	4.22	5.65
77.4	205	108241	108769	5.55	5.67
77.5	206	108769	109297	5.22	6.63
77.6	207	109297	109825	4.65	5.13
77.7	208	109825	110353	5.15	4.29
77.8	209	110353	110881	3.52	6.31
77.9	210	110881	111409	3.96	6.28
78	211	111409	111937	8.66	10.26
78.1	212	111937	112465	9.93	13.12
78.2	213	112465	112993	7.57	13.97
78.3	214	112993	113521	6.34	12.56
78.4	215	113521	114049	8.13	13.18
78.5	216	114049	114577	8.23	11.64
78.6	217	114577	115105	6.98	15.61
78.7	218	115105	115633	6.55	10.08
78.8	219	115633	116161	9.17	13.86
78.9	220	116161	116689	6.90	12.82
79	221	116689	117217	5.04	10.90
79.1	222	117217	117745	5.84	12.69
79.2	223	117745	118273	9.46	13.57
79.3	224	118273	118801	7.97	12.53
79.4	225	118801	119329	6.43	11.66
79.5	226	119329	119857	5.62	16.56
79.6	227	119857	120385	6.48	8.85
79.7	228	120385	120913	5.26	10.80
79.8	229	120913	121441	5.43	11.14
79.9	230	121441	121969	10.89	9.64
80	231	121969	122497	11.61	12.13
80.1	232	122497	123025	8.73	16.43
80.2	233	123025	123553	9.07	13.32
80.3	234	123553	124081	8.74	10.28
80.4	235	124081	124609	6.12	18.51
80.5	236	124609	125137	7.04	10.87
80.6	237	125137	125665	3.28	4.53
80.7	238	125665	126193	4.68	7.06
80.8	239	126193	126721	4.85	6.63
80.9	240	126721	127249	5.57	3.35
81	241	127249	127777	5.07	6.09
81.1	242	127777	128305	4.92	4.23
81.2	243	128305	128833	5.80	4.09
81.3	244	128833	129361	7.42	2.57
81.4	245	129361	129889	4.67	3.25
81.5	246	129889	130417	4.76	4.55

81.6	247	130417	130945	5.85	4.89
81.7	248	130945	131473	6.34	3.46
81.8	249	131473	132001	5.82	3.74
81.9	250	132001	132529	4.93	5.30
82	251	132529	133057	3.79	1.92
82.1	252	133057	133585	3.99	3.12
82.2	253	133585	134113	5.12	3.19
82.3	254	134113	134641	3.96	2.80
82.4	255	134641	135169	5.96	1.81
82.5	256	135169	135697	4.59	4.12
82.6	257	135697	136225	3.38	5.50
82.7	258	136225	136753	4.11	4.17
82.8	259	136753	137281	7.39	4.52
82.9	260	137281	137809	4.13	8.66
83	261	137809	138337	16.23	13.08
83.1	262	138337	138865	6.24	7.45
83.2	263	138865	139393	5.04	8.86
83.3	264	139393	139921	6.50	8.85
83.4	265	139921	140449	11.76	7.05
83.5	266	140449	140977	15.79	13.32
83.6	267	140977	141505	18.45	15.05
83.7	268	141505	142033	10.56	6.97
83.8	269	142033	142561	14.19	11.16
83.9	270	142561	143089	16.95	11.22
84	271	143089	143617	18.85	11.01
84.1	272	143617	144145	15.34	10.71
84.2	273	144145	144673	15.88	11.91
84.3	274	144673	145201	13.75	12.04
84.4	275	145201	145729	11.72	9.79
84.5	276	145729	146257	16.59	12.41
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84.7	278	146785	147313	11.26	8.22
84.8	279	147313	147841	10.36	8.82
84.9	280	147841	148369	11.96	6.99
85	281	148369	148897	11.00	9.64
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85.2	283	149425	149953	9.92	6.58
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85.7	288	152065	152593	7.15	9.43
85.8	289	152593	153121	24.51	8.23

85.9	290	153121	153649	14.07	10.58
86	291	153649	154177	15.61	11.18
86.1	292	154177	154705	16.44	8.12
86.2	293	154705	155233	11.48	6.72
86.3	294	155233	155761	4.65	20.08
86.4	295	155761	156289	6.52	29.26
86.5	296	156289	156817	3.67	26.85
86.6	297	156817	157345	9.18	15.68
86.7	298	157345	157873	7.28	18.99
86.8	299	157873	158401	6.17	15.36
86.9	300	158401	158929	8.33	14.29
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87.1	302	159457	159985	6.59	7.05
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87.5	306	161569	162097	7.95	9.12
87.6	307	162097	162625	9.28	10.26
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87.8	309	163153	163681	10.70	10.82
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88	311	164209	164737	7.61	8.80
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88.2	313	165265	165793	4.36	7.13
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88.4	315	166321	166849	7.14	8.42
88.5	316	166849	167377	6.66	7.11
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88.7	318	167905	168433	7.44	7.62
88.8	319	168433	168961	6.40	9.17
88.9	320	168961	169489	7.39	8.53
89	321	169489	170017	7.77	8.55
89.1	322	170017	170545	8.45	8.51
89.2	323	170545	171073	4.07	8.99
89.3	324	171073	171601	6.37	7.70
89.4	325	171601	172129	4.32	5.99
89.5	326	172129	172657	2.76	4.16
89.6	327	172657	173185	4.12	6.38
89.7	328	173185	173713	7.48	8.91
89.8	329	173713	174241	5.46	8.44
89.9	330	174241	174769	6.53	9.58
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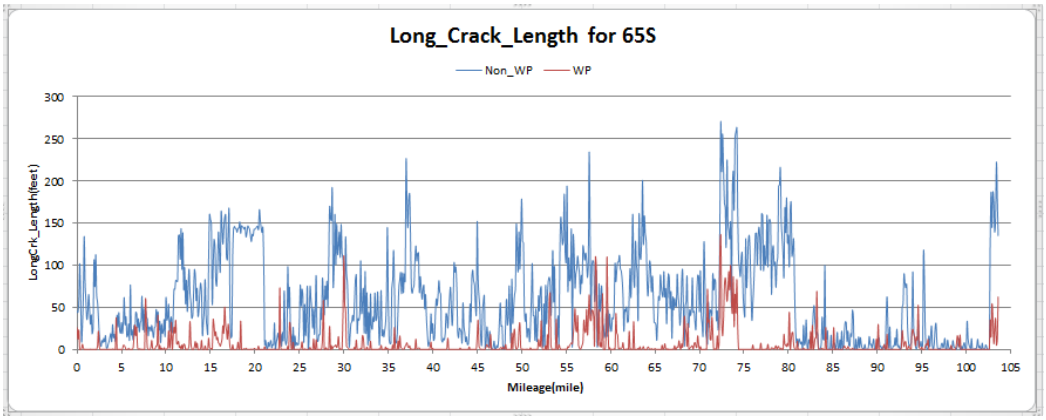
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91.1	342	180577	181105	6.42	19.77
91.2	343	181105	181633	3.40	8.23
91.3	344	181633	182161	8.08	9.06
91.4	345	182161	182689	5.19	7.42
91.5	346	182689	183217	4.48	9.33
91.6	347	183217	183745	8.45	10.44
91.7	348	183745	184273	7.95	8.22
91.8	349	184273	184801	6.45	5.76
91.9	350	184801	185329	6.54	6.03
92	351	185329	185857	8.53	7.55
92.1	352	185857	186385	7.81	11.87
92.2	353	186385	186913	7.89	8.99
92.3	354	186913	187441	3.27	8.66
92.4	355	187441	187969	4.78	6.76
92.5	356	187969	188497	6.74	11.01
92.6	357	188497	189025	7.04	10.89
92.7	358	189025	189553	5.39	8.07
92.8	359	189553	190081	9.63	13.50
92.9	360	190081	190609	7.79	12.44
93	361	190609	191137	8.41	9.79
93.1	362	191137	191665	8.65	10.82
93.2	363	191665	192193	8.37	10.30
93.3	364	192193	192721	7.67	7.53
93.4	365	192721	193249	8.17	11.36
93.5	366	193249	193777	6.62	10.28
93.6	367	193777	194305	9.60	9.22
93.7	368	194305	194833	9.22	12.75
93.8	369	194833	195361	12.96	9.58
93.9	370	195361	195889	9.34	8.51
94	371	195889	196417	15.01	8.23
94.1	372	196417	196945	25.86	17.43
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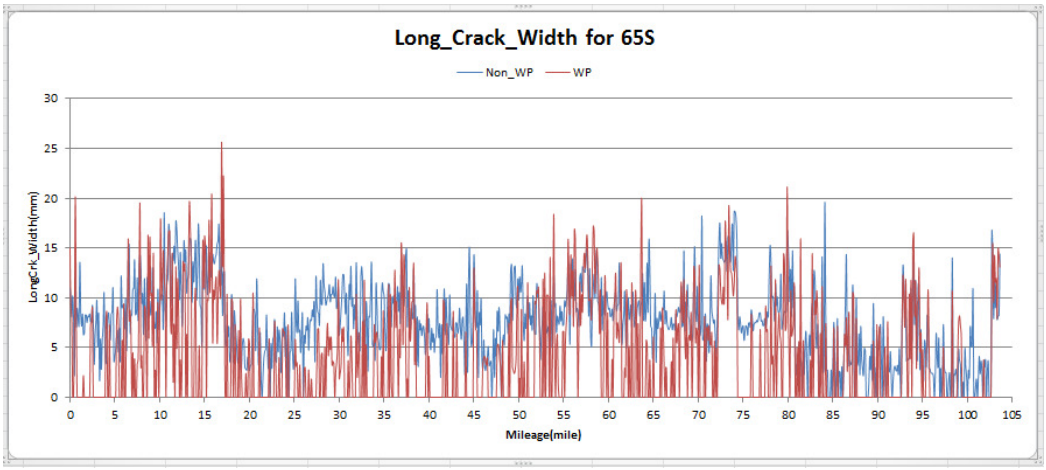
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95.5	386	203809	204337	8.13	11.04
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95.7	388	204865	205393	9.36	13.43
95.8	389	205393	205921	9.48	9.14
95.9	390	205921	206449	7.37	8.21
96	391	206449	206977	13.42	11.80
96.1	392	206977	207505	8.35	11.33
96.2	393	207505	208033	8.38	10.24
96.3	394	208033	208561	11.49	9.94
96.4	395	208561	209089	12.09	11.12
96.5	396	209089	209617	7.02	11.61
96.6	397	209617	210145	8.96	7.77
96.7	398	210145	210673	14.10	9.36
96.8	399	210673	211201	11.08	9.05
96.9	400	211201	211729	8.91	8.66
97	401	211729	212257	7.13	8.05
97.1	402	212257	212785	6.79	7.20
97.2	403	212785	213313	10.71	8.03
97.3	404	213313	213841	7.78	6.69
97.4	405	213841	214369	10.65	7.58
97.5	406	214369	214897	6.19	6.89
97.6	407	214897	215425	8.05	4.90
97.7	408	215425	215953	4.73	7.14
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97.9	410	216481	217009	6.31	6.32
98	411	217009	217537	11.09	10.92
98.1	412	217537	218065	5.57	6.52
98.2	413	218065	218593	5.81	8.02
98.3	414	218593	219121	7.51	5.86
98.4	415	219121	219649	5.50	8.02
98.5	416	219649	220177	10.41	6.34
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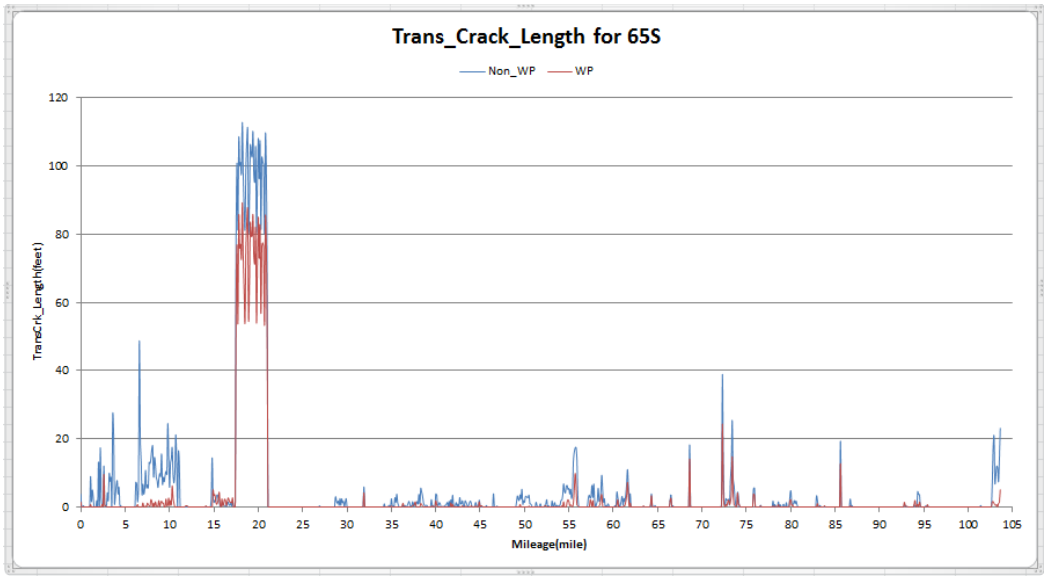
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99.3	424	223873	224401	2.12	3.46
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99.5	426	224929	225457	7.00	8.00
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99.7	428	225985	226513	6.35	4.28
99.8	429	226513	227041	7.45	7.38
99.9	430	227041	227569	8.66	6.36
100	431	227569	228097	7.67	7.85
100.1	432	228097	228625	6.33	9.63
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100.4	435	229681	230209	10.65	6.73
100.5	436	230209	230737	9.55	6.01
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101.2	443	233905	234433	6.51	4.33
101.3	444	234433	234961	5.33	5.42
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101.5	446	235489	236017	7.14	7.71
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101.7	448	236545	237073	7.54	5.17
101.8	449	237073	237601	5.32	5.72
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102.1	452	238657	239185	5.08	6.26
102.2	453	239185	239713	7.82	4.26
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102.6	457	241297	241825	10.89	12.55
102.7	458	241825	242353	12.55	14.56
102.8	459	242353	242881	13.65	10.81
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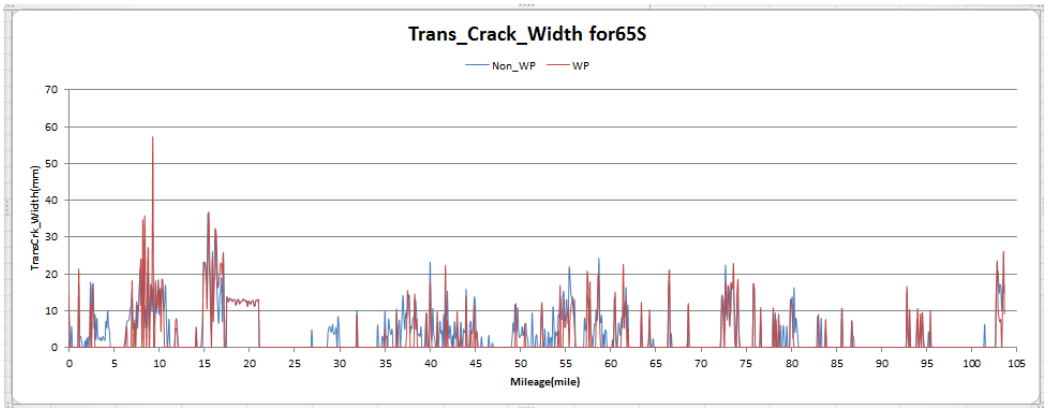
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103.3	464	244993	245521	13.54	13.57
103.4	465	245521	246049	15.89	16.79
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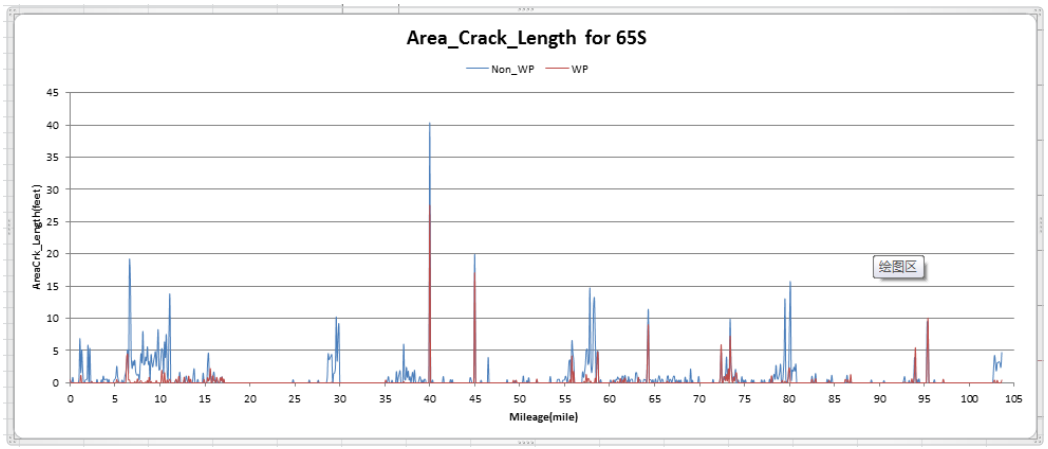
Cracking Data

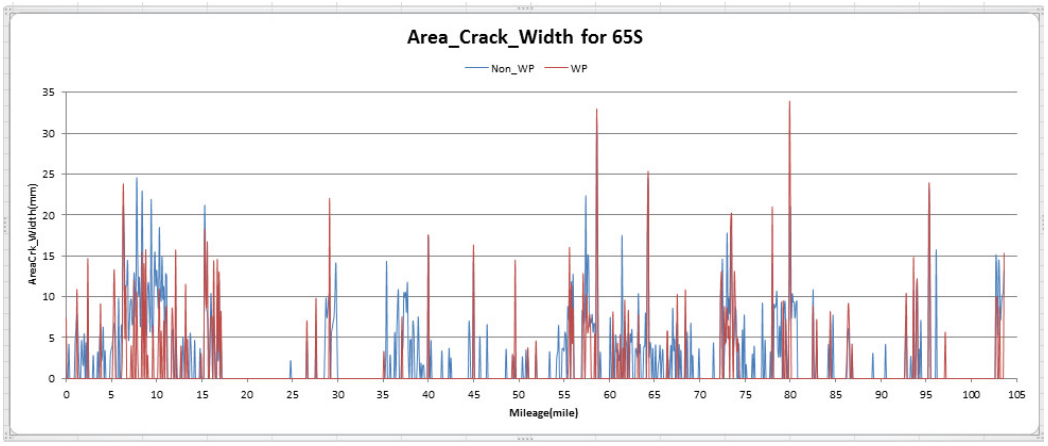







Trans_Crack_Width for65S
Non_WP
WP
TransCrk_Width(mm)
Mileage(mile)


Area_Crack_Length for 65S
Non_WP
WP
AreaCrk_Length(feet)
Mileage(mile)
绘图区


Area_Crack_Width for 65S
Non_WP
WP
AreaCrk_Width(mm)
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	1.38	11.63	6.51	4.43	16.06	7.89	7.98	11.28	23.60	24.04	14.40	15.79
0.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.3	4.21	12.64	8.43	2.11	14.75	12.64	9.13	11.59	26.33	23.87	16.03	17.73
0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4.43	13.30	8.87	2.22	15.52	13.30	9.61	12.20	27.72	25.13	16.88	18.66
1.1	6.07	12.22	9.14	3.03	15.25	15.21	10.15	12.20	30.44	25.41	17.61	20.30
1.2	29.85	34.99	21.51	20.38	55.38	51.36	35.58	38.44	110.19	90.96	60.25	72.88
1.3	6.03	18.10	12.06	3.02	21.11	18.10	13.07	16.59	37.70	34.18	22.95	25.38
1.4	2.45	7.36	4.91	1.23	8.58	7.36	5.31	6.74	15.33	13.90	9.33	10.32
1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.7	4.64	13.92	9.28	2.32	16.24	13.92	10.05	12.76	29.00	26.30	17.66	19.53
1.8	2.56	7.69	5.13	1.28	8.97	7.69	5.55	7.05	16.02	14.53	9.76	10.79
1.9	1.65	4.96	3.31	0.83	5.79	4.96	3.58	4.55	10.34	9.37	6.30	6.96
2	5.48	16.45	10.97	2.74	19.19	16.45	11.88	15.08	34.27	31.07	20.87	23.08
2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.2	4.41	13.22	8.82	2.20	15.43	13.22	9.55	12.12	27.55	24.98	16.78	18.55
2.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.4	9.80	14.70	12.25	12.25	26.95	22.05	16.33	19.60	53.90	43.28	28.31	35.11
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	2.84	8.51	5.68	1.42	9.93	8.51	6.15	7.80	17.74	16.08	10.80	11.94
3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	3.26	9.79	6.53	1.63	11.42	9.79	7.07	8.98	20.40	18.49	12.42	13.73
3.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.7	4.39	13.17	8.78	2.20	15.37	13.17	9.51	12.07	27.44	24.88	16.71	18.48
3.8	24.41	27.47	16.79	16.79	44.25	41.20	28.48	30.52	88.50	72.74	48.15	58.49
3.9	2.21	6.62	4.42	1.10	7.73	6.62	4.78	6.07	13.80	12.51	8.40	9.29

4	3.20	9.61	6.41	1.60	11.21	9.61	6.94	8.81	20.02	18.15	12.19	13.48
4.1	6.28	18.83	12.55	3.14	21.96	18.83	13.60	17.26	39.22	35.56	23.88	26.41
4.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.3	3.43	10.30	6.86	1.72	12.01	10.30	7.44	9.44	21.45	19.45	13.06	14.44
4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.9	2.90	8.71	5.80	1.45	10.16	8.71	6.29	7.98	18.14	16.45	11.05	12.21
5	3.62	10.86	7.24	1.81	12.67	10.86	7.84	9.96	22.63	20.52	13.78	15.24
5.1	4.00	11.99	8.00	2.00	13.99	11.99	8.66	10.99	24.99	22.65	15.21	16.82
5.2	16.71	22.21	13.88	11.15	33.36	30.59	21.32	23.62	65.36	54.68	36.30	43.34
5.3	33.33	33.64	20.22	23.30	56.94	53.55	36.83	38.58	115.43	93.77	61.97	76.13
5.4	22.86	25.72	15.72	15.72	41.44	38.58	26.68	28.58	82.88	68.12	45.09	54.78
5.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.8	9.85	29.54	19.69	4.92	34.46	29.54	21.33	27.08	61.54	55.79	37.47	41.43
5.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.1	6.56	19.69	13.13	3.28	22.98	19.69	14.22	18.05	41.03	37.20	24.98	27.63
6.2	10.89	18.06	11.56	6.90	24.97	22.45	15.81	18.26	47.61	40.77	27.16	31.71
6.3	38.85	29.47	25.14	31.10	60.56	63.99	41.52	42.85	137.94	102.08	69.64	89.73
6.4	30.42	35.50	26.69	23.50	59.00	57.11	38.70	42.84	123.46	97.70	65.89	81.08
6.5	20.53	21.24	15.98	12.72	33.96	36.51	23.49	24.97	74.20	57.45	39.64	48.84
6.6	11.37	28.56	19.97	11.33	39.89	31.34	23.74	29.93	72.59	63.63	41.63	48.17
6.7	11.42	17.04	14.23	5.71	22.74	25.64	16.13	18.48	49.83	38.87	27.67	32.98
6.8	14.28	17.68	15.98	7.14	24.82	30.25	18.36	20.40	57.79	43.17	31.27	38.07
6.9	4.86	0.00	2.43	2.43	2.43	7.28	3.24	2.43	12.14	5.67	5.13	7.69
7	6.86	0.00	3.43	3.43	3.43	10.28	4.57	3.43	17.14	8.00	7.24	10.86
7.1	9.18	8.33	8.76	4.59	12.92	17.94	10.29	10.84	33.37	23.21	17.33	21.83
7.2	9.71	4.04	6.88	6.88	10.92	16.59	9.17	8.90	32.36	20.09	15.19	20.76
7.3	6.55	0.00	3.27	3.27	3.27	9.82	4.37	3.27	16.37	7.64	6.91	10.37
7.4	7.11	0.00	3.56	3.56	3.56	10.67	4.74	3.56	17.78	8.30	7.51	11.26
7.5	36.99	12.08	12.46	24.54	36.62	49.45	28.69	24.54	98.53	65.31	46.43	63.61
7.6	10.97	0.00	5.49	5.49	5.49	16.46	7.31	5.49	27.43	12.80	11.58	17.37
7.7	7.86	0.00	3.93	3.93	3.93	11.79	5.24	3.93	19.65	9.17	8.30	12.44
7.8	24.46	38.89	31.68	17.54	56.43	56.14	37.52	44.05	117.73	93.95	64.71	77.62
7.9	15.10	3.19	9.14	9.14	12.34	24.24	12.19	10.74	44.13	24.53	19.84	28.16
8	10.18	0.00	5.09	5.09	5.09	15.27	6.79	5.09	25.45	11.87	10.74	16.12
8.1	12.35	10.40	11.37	6.17	16.58	23.72	13.43	13.98	43.87	30.01	22.57	28.65
8.2	6.32	0.00	3.16	3.16	3.16	9.48	4.21	3.16	15.79	7.37	6.67	10.00

8.3	11.66	0.00	5.83	5.83	5.83	17.49	7.77	5.83	29.15	13.60	12.31	18.46
8.4	53.94	46.46	34.71	34.71	81.17	88.66	56.61	57.94	181.32	137.78	94.80	118.96
8.5	11.98	0.00	5.99	5.99	5.99	17.96	7.98	5.99	29.94	13.97	12.64	18.96
8.6	6.24	14.08	10.16	10.16	24.24	16.40	13.54	17.20	43.75	37.78	23.79	28.65
8.7	7.09	0.00	3.54	3.54	3.54	10.63	4.73	3.54	17.72	8.27	7.48	11.22
8.8	38.14	15.78	11.18	26.96	42.74	49.31	30.68	26.96	103.23	73.42	49.90	66.96
8.9	5.35	0.00	2.67	2.67	2.67	8.02	3.56	2.67	13.37	6.24	5.64	8.47
9	10.73	2.87	6.80	6.80	9.67	17.52	9.06	8.23	32.55	18.73	14.83	20.81
9.1	11.75	0.00	5.88	5.88	5.88	17.63	7.83	5.88	29.38	13.71	12.40	18.60
9.2	8.52	0.00	4.26	4.26	4.26	12.78	5.68	4.26	21.30	9.94	8.99	13.49
9.3	5.97	0.00	2.98	2.98	2.98	8.95	3.98	2.98	14.92	6.96	6.30	9.45
9.4	21.94	12.33	17.13	10.97	23.30	39.08	20.79	20.22	70.26	44.09	34.46	45.53
9.5	6.34	6.05	6.20	3.17	9.22	12.54	7.25	7.71	23.42	16.47	12.24	15.34
9.6	4.96	6.53	5.74	5.74	12.27	10.70	7.66	9.00	25.44	19.92	13.21	16.55
9.7	11.36	15.71	13.54	5.68	21.39	24.90	15.43	17.47	48.05	36.82	26.40	31.74
9.8	15.51	9.21	12.36	7.76	16.96	27.87	14.95	14.66	50.29	31.91	24.82	32.62
9.9	11.35	0.00	5.68	5.68	5.68	17.03	7.57	5.68	28.38	13.24	11.98	17.97
10	13.26	0.00	6.63	6.63	6.63	19.90	8.84	6.63	33.16	15.47	14.00	21.00
10.1	10.47	0.00	5.23	5.23	5.23	15.70	6.98	5.23	26.16	12.21	11.05	16.57
10.2	8.76	5.94	7.35	7.35	13.29	16.10	9.80	10.32	33.77	23.08	16.50	21.78
10.3	40.13	32.45	25.47	25.47	57.92	65.60	41.18	41.70	132.77	99.10	68.80	86.97
10.4	11.28	0.00	5.64	5.64	5.64	16.93	7.52	5.64	28.21	13.17	11.91	17.87
10.5	21.16	5.84	7.66	13.50	19.34	28.82	16.05	13.50	55.82	35.40	25.91	35.94
10.6	14.90	14.63	14.77	7.45	22.08	29.66	17.25	18.42	55.53	39.33	29.14	36.39
10.7	9.71	16.14	12.93	4.86	21.00	22.64	14.55	16.96	44.46	35.54	25.05	29.50
10.8	11.15	28.39	19.77	9.12	37.50	30.92	22.81	28.64	68.68	60.31	39.96	45.74
10.9	4.19	12.57	8.38	2.09	14.66	12.57	9.08	11.52	26.18	23.74	15.94	17.63
11	12.84	26.91	19.87	10.23	37.14	32.72	23.28	28.51	71.45	60.42	40.55	47.37
11.1	12.51	28.43	20.47	10.62	39.05	32.98	24.01	29.76	73.36	63.06	41.93	48.69
11.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.7	5.64	8.46	7.05	7.05	15.52	12.70	9.41	11.29	31.04	24.92	16.30	20.22
11.8	18.96	6.47	6.24	12.71	19.18	25.20	14.79	12.71	50.62	33.97	23.96	32.71
11.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.1	23.94	15.75	10.40	19.85	35.60	34.34	23.31	23.00	77.19	58.91	38.75	50.25
12.2	3.18	9.55	6.36	1.59	11.14	9.55	6.89	8.75	19.89	18.03	12.11	13.39
12.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.7	3.31	13.96	8.64	3.67	17.63	11.95	9.86	13.14	28.76	27.49	17.53	19.31
12.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.9	4.95	14.85	9.90	2.48	17.33	14.85	10.73	13.62	30.95	28.06	18.84	20.84
13	2.91	8.74	5.83	1.46	10.19	8.74	6.31	8.01	18.20	16.51	11.08	12.26
13.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.2	23.14	11.57	5.79	17.36	28.93	28.93	19.29	17.36	63.65	48.22	31.50	41.47
13.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.4	9.69	4.85	2.42	7.27	12.12	12.12	8.08	7.27	26.66	20.19	13.19	17.37
13.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.7	5.47	16.41	10.94	2.74	19.15	16.41	11.85	15.04	34.19	31.00	20.82	23.02
13.8	3.53	10.59	7.06	1.77	12.36	10.59	7.65	9.71	22.07	20.01	13.44	14.86
13.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.2	4.69	0.00	2.35	2.35	2.35	7.04	3.13	2.35	11.73	5.47	4.95	7.43
14.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.8	3.70	11.09	7.39	1.85	12.93	11.09	8.01	10.16	23.09	20.94	14.06	15.55
14.9	0.00	3.08	1.54	1.54	4.62	1.54	2.05	3.08	6.15	6.67	3.76	4.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.3	39.10	41.20	30.96	28.58	69.78	70.06	46.61	50.37	149.01	116.39	78.94	97.81
15.4	14.37	32.71	23.54	12.38	45.09	37.90	27.66	34.31	84.59	72.75	48.32	56.13
15.5	26.22	34.81	21.75	17.50	52.31	47.97	33.43	37.03	102.49	85.73	56.91	67.96
15.6	32.60	32.01	20.00	24.59	56.59	52.60	36.40	38.30	115.48	92.99	61.30	75.94
15.7	4.67	14.01	9.34	2.34	16.35	14.01	10.12	12.85	29.20	26.47	17.78	19.66
15.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.9	4.73	19.65	12.19	5.09	24.75	16.93	13.89	18.47	40.49	38.64	24.68	27.19
16	10.43	23.87	17.15	8.92	32.79	27.58	20.12	24.97	61.47	52.91	35.15	40.80
16.1	20.66	23.56	14.43	14.17	37.73	35.08	24.27	26.08	75.33	62.00	41.05	49.80
16.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.3	17.07	14.35	10.93	15.71	30.05	27.99	19.35	20.49	64.19	49.40	32.63	41.77
16.4	3.60	5.40	4.50	4.50	9.89	8.09	5.99	7.19	19.78	15.89	10.39	12.89
16.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.7	38.94	14.60	12.17	26.77	41.37	51.11	30.83	26.77	104.65	72.20	50.03	67.74
16.8	2.13	3.20	2.67	2.67	5.87	4.80	3.56	4.27	11.73	9.42	6.16	7.64

16.9	12.05	49.19	30.62	12.55	61.73	42.66	34.80	46.17	101.38	96.53	61.79	68.09
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.1	4.85	8.26	6.56	6.56	14.82	11.41	8.75	10.69	28.66	23.57	15.23	18.71
17.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

21.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.8	2.21	6.64	4.43	1.11	7.75	6.64	4.80	6.09	13.84	12.55	8.43	9.32
24.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

25.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.6	18.88	21.24	12.98	12.98	34.22	31.86	22.02	23.60	68.43	56.24	37.23	45.23
26.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.6	26.24	29.52	18.04	18.04	47.56	44.28	30.62	32.80	95.13	78.18	51.76	62.87
27.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.6	5.03	15.10	10.06	2.52	17.61	15.10	10.90	13.84	31.45	28.52	19.15	21.18
28.7	9.84	29.51	19.67	4.92	34.43	29.51	21.31	27.05	61.48	55.74	37.43	41.40
28.8	7.47	22.41	14.94	3.74	26.15	22.41	16.19	20.55	46.69	42.34	28.43	31.44
28.9	8.42	25.26	16.84	4.21	29.47	25.26	18.24	23.16	52.63	47.72	32.05	35.44
29	9.95	29.84	19.89	4.97	34.82	29.84	21.55	27.36	62.17	56.37	37.86	41.86
29.1	54.50	53.17	31.77	38.28	91.45	86.27	59.24	61.61	186.16	150.69	99.52	122.70
29.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.3	5.47	16.42	10.95	2.74	19.15	16.42	11.86	15.05	34.21	31.01	20.83	23.03
29.4	6.18	18.54	12.36	3.09	21.63	18.54	13.39	17.00	38.63	35.02	23.52	26.01
29.5	6.98	20.94	13.96	3.49	24.43	20.94	15.12	19.19	43.62	39.55	26.56	29.37
29.6	7.61	22.84	15.22	3.81	26.64	22.84	16.49	20.93	47.58	43.13	28.97	32.03
29.7	10.33	30.98	20.65	5.16	36.14	30.98	22.37	28.40	64.54	58.51	39.30	43.45

29.8	14.10	28.26	21.18	7.05	35.30	35.27	23.53	28.24	70.56	58.83	40.78	47.04
29.9	6.48	19.44	12.96	3.24	22.68	19.44	14.04	17.82	40.50	36.72	24.66	27.27
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

34.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.1	0.00	3.35	1.67	1.67	5.02	1.67	2.23	3.35	6.70	7.26	4.09	4.47
35.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.3	2.53	0.00	1.26	1.26	1.26	3.79	1.69	1.26	6.32	2.95	2.67	4.01
35.4	14.35	34.85	24.60	7.18	42.03	38.95	26.99	33.32	79.44	69.02	47.10	53.22
35.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.8	2.91	0.00	1.45	1.45	1.45	4.36	1.94	1.45	7.27	3.39	3.07	4.61
35.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.3	5.66	16.99	11.33	2.83	19.82	16.99	12.27	15.57	35.39	32.09	21.55	23.83
36.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.5	5.20	15.60	10.40	2.60	18.20	15.60	11.26	14.30	32.49	29.46	19.79	21.88
36.6	8.66	25.97	17.31	4.33	30.29	25.97	18.75	23.80	54.09	49.05	32.94	36.42
36.7	10.67	32.01	21.34	5.33	37.34	32.01	23.12	29.34	66.68	60.46	40.60	44.90
36.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.1	20.88	24.90	15.34	14.22	39.11	36.22	25.11	27.23	77.67	64.23	42.56	51.39
37.2	3.72	11.17	7.45	1.86	13.03	11.17	8.07	10.24	23.27	21.10	14.17	15.67
37.3	10.48	31.45	20.97	5.24	36.69	31.45	22.71	28.83	65.52	59.40	39.89	44.12
37.4	9.89	29.68	19.79	4.95	34.63	29.68	21.44	27.21	61.84	56.07	37.65	41.64
37.5	10.53	31.59	21.06	5.27	36.86	31.59	22.82	28.96	65.82	59.67	40.08	44.32
37.6	8.09	24.27	16.18	4.04	28.31	24.27	17.53	22.25	50.56	45.84	30.78	34.04
37.7	11.70	35.10	23.40	5.85	40.95	35.10	25.35	32.18	73.13	66.30	44.53	49.24
37.8	3.09	9.26	6.17	1.54	10.81	9.26	6.69	8.49	19.30	17.49	11.75	12.99
37.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	4.68	14.05	9.36	2.34	16.39	14.05	10.14	12.88	29.26	26.53	17.82	19.70
38.1	4.79	14.37	9.58	2.39	16.76	14.37	10.38	13.17	29.93	27.14	18.23	20.15
38.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.3	6.96	20.89	13.93	3.48	24.38	20.89	15.09	19.15	43.53	39.47	26.50	29.31

38.4	5.88	17.63	11.75	2.94	20.57	17.63	12.73	16.16	36.73	33.30	22.36	24.73
38.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.8	3.00	0.00	1.50	1.50	1.50	4.49	2.00	1.50	7.49	3.50	3.16	4.74
38.9	7.57	22.70	15.13	3.78	26.48	22.70	16.39	20.81	47.29	42.88	28.80	31.84
39	2.51	7.53	5.02	1.25	8.78	7.53	5.44	6.90	15.68	14.22	9.55	10.56
39.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.2	1.91	5.74	3.82	0.96	6.69	5.74	4.14	5.26	11.95	10.84	7.28	8.05
39.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.4	1.59	0.00	0.80	0.80	0.80	2.39	1.06	0.80	3.98	1.86	1.68	2.52
39.5	1.64	4.93	3.29	0.82	5.75	4.93	3.56	4.52	10.27	9.31	6.26	6.92
39.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	35.47	37.04	27.25	26.54	63.57	62.72	42.10	45.41	134.68	105.67	71.27	88.39
40.1	4.32	12.95	8.63	2.16	15.11	12.95	9.35	11.87	26.98	24.46	16.43	18.17
40.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.3	4.68	14.03	9.35	2.34	16.37	14.03	10.13	12.86	29.23	26.50	17.80	19.68
40.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.5	3.40	10.20	6.80	1.70	11.90	10.20	7.36	9.35	21.24	19.26	12.94	14.30
41.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.3	3.73	11.18	7.46	1.86	13.05	11.18	8.08	10.25	23.30	21.13	14.19	15.69
42.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	2.52	7.56	5.04	1.26	8.82	7.56	5.46	6.93	15.75	14.28	9.59	10.60
42.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

42.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.5	6.89	11.78	9.33	3.44	15.22	16.22	10.48	12.28	31.94	25.71	18.07	21.21
44.6	4.60	13.79	9.19	2.30	16.09	13.79	9.96	12.64	28.72	26.04	17.49	19.34
44.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	30.23	30.57	22.72	23.30	53.86	52.95	35.60	38.29	114.53	89.47	60.23	75.07
45.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.7	5.16	15.47	10.32	2.58	18.05	15.47	11.18	14.18	32.24	29.23	19.63	21.71
45.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.5	6.63	19.88	13.25	3.31	23.19	19.88	14.36	18.22	41.41	37.55	25.21	27.88
46.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.6	3.62	10.85	7.23	1.81	12.66	10.85	7.83	9.94	22.60	20.49	13.76	15.22
48.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.3	6.00	3.00	1.50	4.50	7.49	7.49	5.00	4.50	16.49	12.49	8.16	10.74
49.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.5	2.76	0.00	1.38	1.38	1.38	4.14	1.84	1.38	6.90	3.22	2.91	4.37
49.6	28.97	14.49	7.24	21.73	36.22	36.22	24.14	21.73	79.67	60.36	39.43	51.91
49.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.4	2.68	0.00	1.34	1.34	1.34	4.03	1.79	1.34	6.71	3.13	2.83	4.25
50.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.8	3.53	0.00	1.77	1.77	1.77	5.30	2.36	1.77	8.83	4.12	3.73	5.59
50.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	10.08	11.33	6.92	6.93	18.26	17.01	11.76	12.59	36.53	30.02	19.87	24.15
51.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

51.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.9	12.32	13.86	8.47	8.47	22.33	20.79	14.37	15.40	44.66	36.70	24.30	29.52
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.4	3.31	9.93	6.62	1.65	11.58	9.93	7.17	9.10	20.68	18.75	12.59	13.93
53.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.2	2.71	8.14	5.43	1.36	9.50	8.14	5.88	7.46	16.96	15.38	10.33	11.42
54.3	3.34	0.00	1.67	1.67	1.67	5.01	2.23	1.67	8.35	3.90	3.53	5.29
54.4	6.46	0.00	3.23	3.23	3.23	9.69	4.31	3.23	16.15	7.54	6.82	10.23
54.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.8	3.68	11.03	7.36	1.84	12.87	11.03	7.97	10.11	22.99	20.84	14.00	15.48
54.9	3.70	0.00	1.85	1.85	1.85	5.54	2.46	1.85	9.24	4.31	3.90	5.85
55	3.39	0.00	1.70	1.70	1.70	5.09	2.26	1.70	8.48	3.96	3.58	5.37
55.1	5.70	0.00	2.85	2.85	2.85	8.55	3.80	2.85	14.26	6.65	6.02	9.03
55.2	5.09	15.26	10.17	2.54	17.80	15.26	11.02	13.99	31.78	28.82	19.35	21.40
55.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.4	8.69	9.70	9.20	4.35	14.05	17.89	10.65	11.62	33.86	24.69	18.07	22.25
55.5	7.23	3.28	5.25	5.25	8.53	12.48	7.00	6.89	24.62	15.53	11.64	15.81

55.6	24.98	16.04	13.43	20.51	36.55	38.41	24.99	24.99	83.91	61.54	41.65	54.45
55.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.8	20.83	20.54	16.15	16.15	36.70	36.98	24.56	26.42	79.55	61.25	41.55	52.06
55.9	15.16	4.29	5.43	9.72	14.02	20.59	11.54	9.72	40.04	25.55	18.62	25.79
56	12.68	20.69	16.68	10.64	31.32	29.37	20.23	24.00	64.01	51.55	34.97	42.12
56.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	8.31	24.92	16.62	4.15	29.08	24.92	18.00	22.85	51.93	47.08	31.62	34.96
57.1	33.13	36.05	21.92	22.90	58.95	55.05	38.00	40.44	118.39	96.95	64.15	78.20
57.2	21.27	27.27	16.96	14.29	41.56	38.23	26.59	29.26	81.77	68.15	45.21	54.18
57.3	7.64	22.92	15.28	3.82	26.73	22.92	16.55	21.01	47.74	43.28	29.07	32.15
57.4	34.06	29.10	25.74	19.95	49.05	59.80	36.28	37.40	117.15	85.34	60.84	76.72
57.5	28.12	32.99	20.28	19.20	52.19	48.40	33.53	36.24	103.84	85.72	56.79	68.69
57.6	15.12	24.99	20.06	10.38	35.37	35.18	23.51	27.71	73.27	58.88	40.59	48.39
57.7	14.47	24.55	19.51	10.39	34.95	33.98	22.97	27.23	71.60	57.92	39.71	47.29
57.8	22.25	27.21	16.82	15.08	42.29	39.08	27.12	29.56	83.72	69.42	46.02	55.42
57.9	20.33	28.38	17.83	13.43	41.81	38.16	26.66	29.82	81.41	68.46	45.48	54.03
58	6.79	20.37	13.58	3.39	23.76	20.37	14.71	18.67	42.43	38.47	25.83	28.57
58.1	7.86	23.59	15.72	3.93	27.52	23.59	17.04	21.62	49.14	44.55	29.92	33.09
58.2	5.65	16.95	11.30	2.83	19.78	16.95	12.24	15.54	35.31	32.02	21.50	23.78
58.3	6.80	20.40	13.60	3.40	23.80	20.40	14.73	18.70	42.50	38.53	25.88	28.61
58.4	17.51	25.22	15.90	11.48	36.70	33.41	23.37	26.30	71.20	60.07	39.93	47.28
58.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.6	52.41	47.81	39.37	42.54	90.35	91.77	60.71	64.86	199.17	151.06	102.56	129.94
58.7	39.21	50.07	34.32	27.36	77.42	73.53	50.32	55.87	156.76	127.74	85.72	103.54
58.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	3.26	9.79	6.52	1.63	11.42	9.79	7.07	8.97	20.39	18.49	12.41	13.73
59.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

59.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.1	7.50	22.51	15.00	3.75	26.26	22.51	16.26	20.63	46.89	42.51	28.55	31.57
60.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.4	21.80	24.53	14.99	14.99	39.51	36.79	25.43	27.25	79.03	64.95	42.99	52.23
60.5	3.41	0.00	1.71	1.71	1.71	5.12	2.27	1.71	8.53	3.98	3.60	5.40
60.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.7	5.28	15.85	10.57	2.64	18.49	15.85	11.45	14.53	33.02	29.94	20.11	22.23
60.8	3.19	9.57	6.38	1.60	11.17	9.57	6.91	8.78	19.94	18.08	12.14	13.43
60.9	12.16	14.79	9.14	8.25	23.04	21.30	14.78	16.09	45.64	37.83	25.07	30.21
61	2.90	8.69	5.79	1.45	10.14	8.69	6.27	7.96	18.10	16.41	11.02	12.19
61.1	2.18	6.55	4.37	1.09	7.65	6.55	4.73	6.01	13.65	12.38	8.31	9.19
61.2	3.60	5.39	4.50	4.50	9.89	8.09	5.99	7.19	19.78	15.89	10.39	12.89
61.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.4	17.53	28.86	23.19	8.76	37.62	40.72	26.12	30.41	79.90	63.74	44.96	53.01
61.5	2.47	3.76	3.12	3.12	6.88	5.58	4.15	5.00	13.69	11.03	7.20	8.92
61.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.7	6.81	9.61	8.21	8.21	17.82	15.02	10.95	13.02	36.25	28.77	18.94	23.60
61.8	4.90	14.69	9.79	2.45	17.14	14.69	10.61	13.47	30.60	27.75	18.63	20.61
61.9	4.05	12.16	8.11	2.03	14.19	12.16	8.78	11.15	25.34	22.97	15.43	17.06
62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.1	22.35	25.15	15.37	15.37	40.51	37.72	26.08	27.94	81.02	66.59	44.08	53.55
62.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.3	5.39	16.18	10.79	2.70	18.88	16.18	11.69	14.84	33.72	30.57	20.53	22.70
62.4	4.42	13.26	8.84	2.21	15.47	13.26	9.58	12.16	27.63	25.05	16.83	18.61
62.5	5.88	17.65	11.77	2.94	20.60	17.65	12.75	16.18	36.78	33.35	22.40	24.77
62.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.9	3.67	11.01	7.34	1.84	12.85	11.01	7.95	10.09	22.94	20.80	13.97	15.45
63	3.39	10.16	6.77	1.69	11.85	10.16	7.33	9.31	21.16	19.18	12.88	14.25
63.1	2.71	8.12	5.42	1.35	9.48	8.12	5.87	7.45	16.93	15.35	10.31	11.40
63.2	10.41	7.81	9.11	9.11	16.92	19.52	12.15	13.02	41.65	29.07	20.54	26.90
63.3	3.15	9.46	6.30	1.58	11.03	9.46	6.83	8.67	19.70	17.86	12.00	13.27
63.4	4.19	12.56	8.38	2.09	14.66	12.56	9.07	11.52	26.18	23.73	15.94	17.63
63.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.8	3.92	11.75	7.83	1.96	13.70	11.75	8.48	10.77	24.47	22.19	14.90	16.48
63.9	3.91	11.72	7.81	1.95	13.67	11.72	8.46	10.74	24.41	22.13	14.86	16.44
64	7.97	23.90	15.93	3.98	27.88	23.90	17.26	21.91	49.79	45.15	30.32	33.53
64.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

64.2	36.33	35.63	26.47	27.60	63.24	62.81	42.01	44.85	135.26	105.25	70.97	88.64
64.3	49.15	49.39	36.70	36.99	86.38	85.85	57.41	61.54	184.38	143.79	97.06	120.90
64.4	2.75	8.26	5.51	1.38	9.64	8.26	5.97	7.58	17.22	15.61	10.48	11.59
64.5	4.45	0.00	2.23	2.23	2.23	6.68	2.97	2.23	11.13	5.19	4.70	7.05
64.6	3.50	10.51	7.01	1.75	12.26	10.51	7.59	9.64	21.90	19.86	13.33	14.75
64.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.8	3.72	11.16	7.44	1.86	13.02	11.16	8.06	10.23	23.26	21.09	14.16	15.66
64.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.1	4.13	12.39	8.26	2.07	14.46	12.39	8.95	11.36	25.82	23.41	15.72	17.38
65.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.4	1.55	4.65	3.10	0.78	5.43	4.65	3.36	4.26	9.69	8.78	5.90	6.52
65.5	2.45	7.34	4.89	1.22	8.56	7.34	5.30	6.73	15.29	13.87	9.31	10.30
65.6	4.03	12.10	8.07	2.02	14.12	12.10	8.74	11.09	25.21	22.86	15.35	16.98
65.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.8	2.22	6.67	4.45	1.11	7.78	6.67	4.82	6.11	13.89	12.60	8.46	9.36
65.9	3.51	10.54	7.03	1.76	12.30	10.54	7.62	9.67	21.97	19.92	13.38	14.79
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.4	3.88	5.82	4.85	4.85	10.67	8.73	6.47	7.76	21.34	17.14	11.21	13.90
66.5	1.68	5.05	3.37	0.84	5.89	5.05	3.65	4.63	10.52	9.54	6.41	7.09
66.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.7	1.66	4.99	3.33	0.83	5.82	4.99	3.60	4.58	10.40	9.43	6.33	7.00
66.8	4.06	12.18	8.12	2.03	14.21	12.18	8.80	11.17	25.38	23.01	15.45	17.09
66.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	8.59	25.77	17.18	4.29	30.06	25.77	18.61	23.62	53.68	48.67	32.69	36.15
67.1	3.47	10.40	6.94	1.73	12.14	10.40	7.51	9.54	21.67	19.65	13.20	14.59
67.2	4.77	14.30	9.54	2.38	16.69	14.30	10.33	13.11	29.80	27.02	18.14	20.06
67.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.4	5.72	17.15	11.43	2.86	20.00	17.15	12.38	15.72	35.72	32.39	21.75	24.05
67.5	27.51	30.94	18.91	18.91	49.85	46.42	32.09	34.38	99.71	81.94	54.25	65.90
67.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.7	4.18	12.55	8.37	2.09	14.64	12.55	9.06	11.50	26.14	23.70	15.92	17.60
67.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.9	3.49	10.47	6.98	1.75	12.22	10.47	7.56	9.60	21.82	19.78	13.28	14.69
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.4	28.99	10.87	9.06	19.93	30.80	38.05	22.95	19.93	77.90	53.75	37.24	50.43

68.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.6	5.69	17.06	11.37	2.84	19.90	17.06	12.32	15.64	35.54	32.22	21.64	23.93
68.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	6.79	20.38	13.59	3.40	23.78	20.38	14.72	18.69	42.47	38.50	25.86	28.60
69.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.2	2.83	8.48	5.66	1.41	9.90	8.48	6.13	7.78	17.67	16.02	10.76	11.90
69.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.9	3.67	11.01	7.34	1.84	12.85	11.01	7.96	10.10	22.95	20.81	13.97	15.45
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.5	4.39	13.17	8.78	2.20	15.37	13.17	9.51	12.07	27.44	24.88	16.71	18.48
71.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.3	22.72	23.40	17.06	17.06	40.46	39.78	26.75	28.76	85.60	67.20	45.25	56.17
72.4	21.73	12.93	11.37	17.33	30.27	33.10	21.12	20.82	71.25	51.39	35.10	46.19
72.5	14.34	0.00	7.17	7.17	7.17	21.51	9.56	7.17	35.84	16.73	15.13	22.70
72.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.7	11.62	8.78	5.86	10.20	18.97	17.48	12.15	12.42	40.10	31.13	20.34	26.12

72.8	5.69	4.21	4.95	4.95	9.16	10.64	6.60	7.06	22.65	15.76	11.15	14.62
72.9	18.17	6.80	5.69	12.49	19.29	23.86	14.38	12.49	48.83	33.67	23.34	31.61
73	35.01	31.27	24.54	21.81	53.08	59.55	37.54	38.81	120.17	90.63	63.00	78.86
73.1	17.24	4.92	6.16	11.08	16.00	23.40	13.13	11.08	45.56	29.13	21.20	29.35
73.2	22.47	6.30	8.08	14.39	20.69	30.55	17.08	14.39	59.33	37.77	27.57	38.20
73.3	8.09	6.20	7.14	4.04	10.24	15.23	8.49	8.69	27.97	18.74	14.22	18.23
73.4	39.92	38.13	28.38	29.50	67.63	68.30	45.31	48.01	145.82	112.95	76.42	95.57
73.5	27.21	33.51	23.28	23.70	57.20	50.48	35.90	40.24	114.42	93.10	61.27	75.16
73.6	7.39	5.29	6.34	6.34	11.64	13.73	8.46	8.99	29.06	20.09	14.27	18.76
73.7	3.67	0.00	1.83	1.83	1.83	5.50	2.44	1.83	9.16	4.28	3.87	5.80
73.8	11.74	12.81	9.05	12.27	25.08	20.78	15.29	17.06	50.12	40.36	26.07	32.70
73.9	8.75	16.17	12.46	9.40	25.58	21.21	15.59	19.02	49.63	41.17	27.13	32.61
74	8.09	5.70	6.90	6.90	12.60	14.99	9.20	9.75	31.63	21.79	15.51	20.41
74.1	6.57	3.28	1.64	4.92	8.21	8.21	5.47	4.92	18.06	13.68	8.94	11.76
74.2	0.00	4.82	2.41	2.41	7.23	2.41	3.21	4.82	9.64	10.45	5.89	6.43
74.3	4.28	12.84	8.56	2.14	14.98	12.84	9.27	11.77	26.75	24.25	16.29	18.01
74.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.7	5.98	12.46	9.22	2.99	15.45	15.19	10.21	12.33	30.52	25.66	17.73	20.36
74.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.9	7.80	23.39	15.60	3.90	27.29	23.39	16.90	21.44	48.74	44.19	29.67	32.82
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.1	1.74	5.21	3.48	0.87	6.08	5.21	3.76	4.78	10.86	9.85	6.61	7.31
75.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.8	3.02	9.05	6.03	1.51	10.56	9.05	6.53	8.29	18.85	17.09	11.48	12.69
75.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	3.99	11.97	7.98	1.99	13.96	11.97	8.64	10.97	24.93	22.61	15.18	16.79
76.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.9	9.25	27.76	18.51	4.63	32.39	27.76	20.05	25.45	57.83	52.44	35.21	38.94
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

77.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.2	4.73	14.20	9.46	2.37	16.56	14.20	10.25	13.01	29.57	26.81	18.01	19.91
77.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.8	3.29	9.86	6.57	1.64	11.51	9.86	7.12	9.04	20.55	18.63	12.51	13.83
77.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	56.04	63.05	38.53	38.53	101.58	94.57	65.38	70.05	203.15	166.96	110.53	134.27
78.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.2	9.08	27.24	18.16	4.54	31.78	27.24	19.67	24.97	56.74	51.45	34.55	38.21
78.3	8.62	25.86	17.24	4.31	30.17	25.86	18.68	23.71	53.88	48.85	32.81	36.28
78.4	9.04	27.13	18.09	4.52	31.66	27.13	19.60	24.87	56.53	51.25	34.42	38.06
78.5	10.55	31.65	21.10	5.28	36.93	31.65	22.86	29.02	65.95	59.79	40.15	44.40
78.6	3.75	11.25	7.50	1.88	13.13	11.25	8.13	10.31	23.44	21.25	14.27	15.78
78.7	2.61	7.84	5.23	1.31	9.15	7.84	5.66	7.19	16.34	14.81	9.95	11.00
78.8	6.42	19.27	12.84	3.21	22.48	19.27	13.91	17.66	40.14	36.39	24.44	27.03
78.9	2.68	8.05	5.36	1.34	9.39	8.05	5.81	7.38	16.76	15.20	10.21	11.29
79	9.36	28.09	18.73	4.68	32.77	28.09	20.29	25.75	58.52	53.06	35.63	39.40
79.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.2	19.07	9.53	4.77	14.30	23.84	23.84	15.89	14.30	52.44	39.73	25.95	34.16
79.3	8.30	24.90	16.60	4.15	29.05	24.90	17.98	22.83	51.88	47.04	31.59	34.93
79.4	9.47	28.42	18.95	4.74	33.15	28.42	20.52	26.05	59.21	53.68	36.05	39.86
79.5	19.98	23.72	14.61	13.61	37.33	34.59	23.97	25.97	74.17	61.31	40.62	49.07
79.6	2.69	0.00	1.35	1.35	1.35	4.04	1.80	1.35	6.73	3.14	2.84	4.26
79.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.8	4.51	13.53	9.02	2.25	15.78	13.53	9.77	12.40	28.18	25.55	17.16	18.98
79.9	44.74	65.36	38.02	39.03	104.39	82.76	62.38	71.21	193.00	166.78	106.91	127.69
80	43.46	47.32	34.18	31.82	79.15	77.64	52.26	56.66	166.13	131.41	88.57	109.19
80.1	7.66	22.99	15.33	3.83	26.83	22.99	16.61	21.08	47.90	43.43	29.17	32.25
80.2	10.35	31.05	20.70	5.18	36.23	31.05	22.43	28.47	64.70	58.66	39.39	43.56
80.3	9.35	28.06	18.70	4.68	32.73	28.06	20.26	25.72	58.45	52.99	35.59	39.36
80.4	9.38	28.13	18.75	4.69	32.82	28.13	20.32	25.79	58.61	53.14	35.69	39.46
80.5	7.39	22.18	14.78	3.70	25.87	22.18	16.02	20.33	46.20	41.89	28.13	31.11
80.6	9.10	27.29	18.20	4.55	31.84	27.29	19.71	25.02	56.86	51.56	34.62	38.29
80.7	9.49	28.46	18.98	4.74	33.21	28.46	20.56	26.09	59.30	53.77	36.11	39.93
80.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

81.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	10.89	8.90	9.89	9.89	18.79	20.78	13.19	14.34	45.01	31.98	22.37	29.10
82.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.8	1.19	3.56	2.38	0.59	4.16	3.56	2.57	3.27	7.42	6.73	4.52	5.00
82.9	18.38	18.90	11.40	12.81	31.72	29.78	20.50	21.56	64.15	52.22	34.52	42.32
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.2	4.20	12.60	8.40	2.10	14.70	12.60	9.10	11.55	26.25	23.80	15.98	17.67
84.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.4	23.21	8.22	7.50	15.71	23.93	30.71	18.21	15.71	62.13	42.14	29.52	40.17
84.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.7	7.79	0.00	3.89	3.89	3.89	11.68	5.19	3.89	19.47	9.08	8.22	12.33
84.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

85.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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85.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.2	3.44	1.72	0.86	2.58	4.30	4.30	2.86	2.58	9.45	7.16	4.68	6.16
86.3	16.14	18.15	11.09	11.09	29.25	27.23	18.83	20.17	58.49	48.07	31.82	38.66
86.4	24.61	9.23	7.69	16.92	26.14	32.29	19.48	16.92	66.13	45.62	31.61	42.80
86.5	16.57	6.21	5.18	11.39	17.60	21.74	13.12	11.39	44.52	30.72	21.28	28.82
86.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.8	11.31	4.24	3.53	7.77	12.01	14.84	8.95	7.77	30.38	20.96	14.52	19.67
86.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.1	3.11	0.00	1.55	1.55	1.55	4.66	2.07	1.55	7.77	3.63	3.28	4.92
89.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

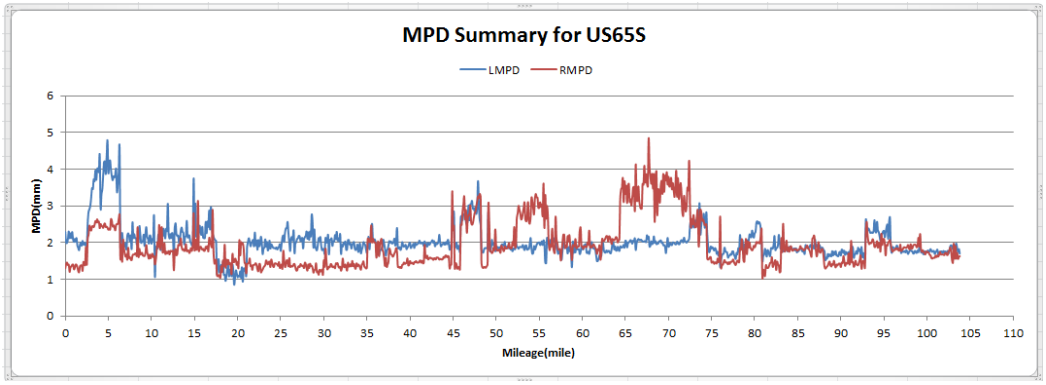
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.5	4.21	12.62	8.41	2.10	14.72	12.62	9.11	11.57	26.29	23.83	16.01	17.70
90.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.7	16.71	18.80	11.49	11.49	30.28	28.19	19.49	20.88	60.56	49.77	32.95	40.03
92.8	6.83	10.25	8.54	8.54	18.79	15.37	11.39	13.66	37.57	30.17	19.74	24.48
92.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.3	2.75	8.24	5.49	1.37	9.61	8.24	5.95	7.55	17.16	15.56	10.45	11.55
93.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.6	39.60	44.55	27.23	27.23	71.78	66.83	46.20	49.50	143.55	117.98	78.10	94.88
93.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.9	10.23	5.65	7.94	7.94	13.60	18.17	10.59	10.77	36.88	24.18	17.71	23.73
94	11.86	12.12	11.99	11.99	24.12	23.85	15.99	18.05	53.90	40.11	27.34	34.95
94.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.2	3.63	10.90	7.27	1.82	12.72	10.90	7.88	10.00	22.72	20.60	13.83	15.30

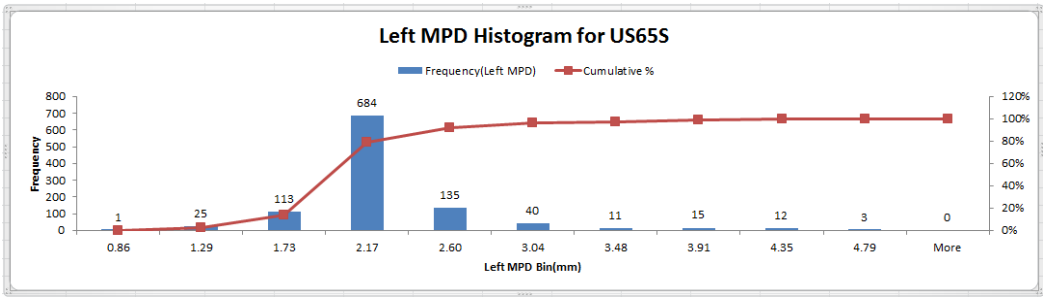
94.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.4	7.14	21.43	14.28	3.57	25.00	21.43	15.47	19.64	44.64	40.47	27.18	30.06
94.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.3	46.00	45.40	34.06	34.74	80.13	80.07	53.40	57.10	171.90	133.53	90.23	112.65
95.4	31.90	31.34	23.54	23.35	54.69	55.44	36.71	39.11	117.90	91.39	61.98	77.30
95.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.1	15.78	0.00	7.89	7.89	7.89	23.66	10.52	7.89	39.44	18.41	16.65	24.98
96.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.1	11.37	5.69	2.84	8.53	14.22	14.22	9.48	8.53	31.28	23.69	15.48	20.38
97.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

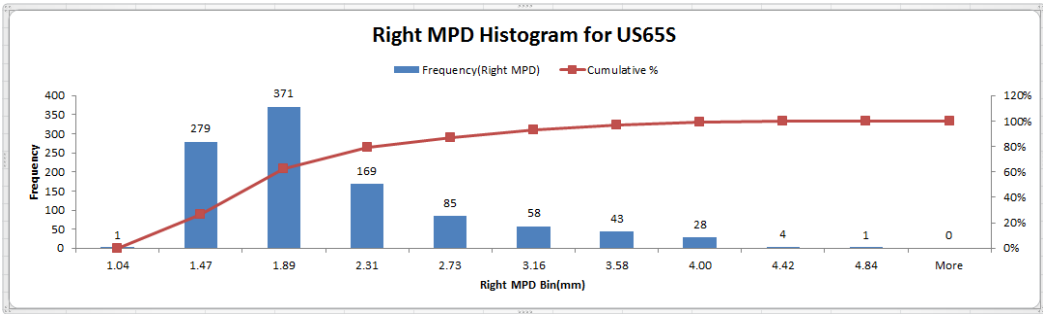
98.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.7	14.82	23.38	19.10	12.42	35.81	33.92	23.24	27.45	73.79	59.05	40.14	48.52
102.8	12.15	26.74	19.45	10.93	37.68	31.60	23.09	28.56	71.09	60.77	40.31	47.09

102.9	5.29	15.86	10.57	2.64	18.51	15.86	11.46	14.54	33.04	29.96	20.12	22.25
103	14.25	13.74	13.99	7.12	20.86	28.24	16.37	17.43	52.79	37.23	27.63	34.58
103.1	12.06	28.02	20.04	10.43	38.45	32.09	23.51	29.24	71.77	61.96	41.10	47.64
103.2	7.19	21.56	14.38	3.59	25.16	21.56	15.57	19.77	44.93	40.73	27.36	30.25
103.3	9.26	17.40	13.33	4.63	22.03	22.59	14.87	17.68	44.90	36.91	25.73	29.89
103.4	10.16	16.08	13.12	5.08	21.16	23.28	14.81	17.14	45.50	35.98	25.47	30.16
103.5	10.54	15.72	13.13	5.27	20.99	23.67	14.89	17.06	46.01	35.88	25.54	30.45
103.6	43.91	35.19	24.22	29.62	64.81	68.12	44.31	44.51	142.25	109.12	73.92	93.28

MPD Data


MPD Summary for US65S
LMPD
RMPD
MPD(mm)
Mileage(mile)


Left MPD Histogram for US65S
Frequency(Left MPD)
Cumulative %
Frequency
Left MPD Bin(mm)
0.86
1.29
1.73
2.17
2.60
3.04
3.48
3.91
4.35
4.79
More
1
25
113
684
135
40
11
15
12
3
0


Right MPD Histogram for US65S
Frequency(Right MPD)
Cumulative %
Frequency
Right MPD Bin(mm)
1.04
1.47
1.89
2.31
2.73
3.16
3.58
4.00
4.42
4.84
More
1
279
371
169
85
58
43
28
4
1
0

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	0 / 0	0 / 1365	2.295	1.307
0.1	70 / 819	71 / 136	1.994	1.426
0.2	140 / 1638	141 / 955	1.994	1.462
0.3	211 / 409	211 / 1774	2.093	1.394
0.4	281 / 1228	282 / 545	2.309	1.408
0.5	351 / 2047	352 / 1364	2.124	1.205
0.6	422 / 818	423 / 135	2.259	1.329
0.7	492 / 1637	493 / 954	2.127	1.36
0.8	563 / 408	563 / 1773	2.295	1.397
0.9	633 / 1227	634 / 544	2.097	1.408
1	703 / 2046	704 / 1363	2.023	1.278
1.1	774 / 817	775 / 134	2.105	1.32
1.2	844 / 1636	845 / 953	2.029	1.407
1.3	915 / 407	915 / 1772	2.128	1.399
1.4	985 / 1226	986 / 543	1.927	1.336
1.5	1055 / 2045	1056 / 1362	1.857	1.227
1.6	1126 / 816	1127 / 133	1.797	1.198
1.7	1196 / 1635	1197 / 952	1.941	1.363
1.8	1267 / 406	1267 / 1771	2.004	1.382
1.9	1337 / 1225	1338 / 542	1.918	1.387
2	1407 / 2044	1408 / 1361	2.053	1.233
2.1	1478 / 815	1479 / 132	1.95	1.477
2.2	1548 / 1634	1549 / 951	2.007	1.422
2.3	1619 / 405	1619 / 1770	1.932	1.387
2.4	1689 / 1224	1690 / 541	1.979	1.884
2.5	1759 / 2043	1760 / 1360	1.895	1.399
2.6	1830 / 814	1831 / 131	2.524	2.106
2.7	1900 / 1633	1901 / 950	2.844	2.215
2.8	1971 / 404	1971 / 1769	2.912	2.464
2.9	2041 / 1223	2042 / 540	3.005	2.386
3	2111 / 2042	2112 / 1359	3.228	2.332
3.1	2182 / 813	2183 / 130	3.491	2.443
3.2	2252 / 1632	2253 / 949	3.459	2.455
3.3	2323 / 403	2323 / 1768	3.726	2.425
3.4	2393 / 1222	2394 / 539	3.68	2.491
3.5	2463 / 2041	2464 / 1358	3.971	2.592
3.6	2534 / 812	2535 / 129	3.713	2.55
3.7	2604 / 1631	2605 / 948	4.017	2.64
3.8	2675 / 402	2675 / 1767	4.028	2.554
3.9	2745 / 1221	2746 / 538	3.929	2.579
4	2815 / 2040	2816 / 1357	4.393	2.396

4.1	2886 / 811	2887 / 128	2.938	2.509
4.2	2956 / 1630	2957 / 947	3.316	2.464
4.3	3027 / 401	3027 / 1766	3.465	2.446
4.4	3097 / 1220	3098 / 537	3.841	2.405
4.5	3167 / 2039	3168 / 1356	4.2	2.492
4.6	3238 / 810	3239 / 127	4.218	2.523
4.7	3308 / 1629	3309 / 946	3.867	2.427
4.8	3379 / 400	3379 / 1765	4.338	2.441
4.9	3449 / 1219	3450 / 536	4.785	2.409
5	3519 / 2038	3520 / 1355	3.904	2.354
5.1	3590 / 809	3591 / 126	4.208	2.391
5.2	3660 / 1628	3661 / 945	4.242	2.356
5.3	3731 / 399	3731 / 1764	3.99	2.644
5.4	3801 / 1218	3802 / 535	3.809	2.602
5.5	3871 / 2037	3872 / 1354	3.703	2.441
5.6	3942 / 808	3943 / 125	3.812	2.474
5.7	4012 / 1627	4013 / 944	3.777	2.413
5.8	4083 / 398	4083 / 1763	3.861	2.338
5.9	4153 / 1217	4154 / 534	4.008	2.491
6	4223 / 2036	4224 / 1353	3.384	2.509
6.1	4294 / 807	4295 / 124	3.612	2.512
6.2	4364 / 1626	4365 / 943	3.918	2.65
6.3	4435 / 397	4435 / 1762	4.601	2.766
6.4	4505 / 1216	4506 / 533	1.851	1.558
6.5	4575 / 2035	4576 / 1352	2.169	1.95
6.6	4646 / 806	4647 / 123	2.265	1.48
6.7	4716 / 1625	4717 / 942	2.001	2.077
6.8	4787 / 396	4787 / 1761	1.894	1.869
6.9	4857 / 1215	4858 / 532	1.922	1.711
7	4927 / 2034	4928 / 1351	1.988	1.62
7.1	4998 / 805	4999 / 122	1.818	1.68
7.2	5068 / 1624	5069 / 941	2.204	1.54
7.3	5139 / 395	5139 / 1760	2.257	1.865
7.4	5209 / 1214	5210 / 531	2.178	1.585
7.5	5279 / 2033	5280 / 1350	2.044	1.611
7.6	5350 / 804	5351 / 121	2.201	1.544
7.7	5420 / 1623	5421 / 940	1.832	1.528
7.8	5491 / 394	5491 / 1759	2.556	1.65
7.9	5561 / 1213	5562 / 530	2.135	1.682
8	5631 / 2032	5632 / 1349	2.236	1.674
8.1	5702 / 803	5703 / 120	2.123	1.709
8.2	5772 / 1622	5773 / 939	2.13	1.707
8.3	5843 / 393	5843 / 1758	1.957	1.639

8.4	5913 / 1212	5914 / 529	2.068	2.426
8.5	5983 / 2031	5984 / 1348	2.016	1.626
8.6	6054 / 802	6055 / 119	2.452	1.835
8.7	6124 / 1621	6125 / 938	2.238	1.679
8.8	6195 / 392	6195 / 1757	1.997	1.702
8.9	6265 / 1211	6266 / 528	2.038	1.728
9	6335 / 2030	6336 / 1347	2.033	1.653
9.1	6406 / 801	6407 / 118	2.219	1.642
9.2	6476 / 1620	6477 / 937	1.91	1.638
9.3	6547 / 391	6547 / 1756	2.248	1.723
9.4	6617 / 1210	6618 / 527	2.424	1.938
9.5	6687 / 2029	6688 / 1346	2.155	1.751
9.6	6758 / 800	6759 / 117	2.104	1.645
9.7	6828 / 1619	6829 / 936	1.978	1.567
9.8	6899 / 390	6899 / 1755	2.198	1.679
9.9	6969 / 1209	6970 / 526	2.16	1.578
10	7039 / 2028	7040 / 1345	1.974	1.642
10.1	7110 / 799	7111 / 116	2.105	1.702
10.2	7180 / 1618	7181 / 935	2.068	1.612
10.3	7251 / 389	7251 / 1754	2.733	1.637
10.4	7321 / 1208	7322 / 525	1.08	1.41
10.5	7391 / 2027	7392 / 1344	1.809	1.519
10.6	7462 / 798	7463 / 115	1.912	1.771
10.7	7532 / 1617	7533 / 934	1.847	2.02
10.8	7603 / 388	7603 / 1753	2.226	1.899
10.9	7673 / 1207	7674 / 524	1.981	2.488
11	7743 / 2026	7744 / 1343	1.893	1.822
11.1	7814 / 797	7815 / 114	1.808	2.378
11.2	7884 / 1616	7885 / 933	2.379	2.422
11.3	7955 / 387	7955 / 1752	2.181	1.737
11.4	8025 / 1206	8026 / 523	2.383	1.747
11.5	8095 / 2025	8096 / 1342	2.239	1.989
11.6	8166 / 796	8167 / 113	2.122	1.698
11.7	8236 / 1615	8237 / 932	2.384	1.761
11.8	8307 / 386	8307 / 1751	2.321	1.704
11.9	8377 / 1205	8378 / 522	3.063	1.73
12	8447 / 2024	8448 / 1341	2.229	1.776
12.1	8518 / 795	8519 / 112	2.114	1.681
12.2	8588 / 1614	8589 / 931	2.237	1.779
12.3	8659 / 385	8659 / 1750	2.127	1.761
12.4	8729 / 1204	8730 / 521	2.269	1.774
12.5	8799 / 2023	8800 / 1340	2.125	1.786
12.6	8870 / 794	8871 / 111	1.634	1.25

12.7	8940 / 1613	8941 / 930	2.421	1.725
12.8	9011 / 384	9011 / 1749	2.532	1.833
12.9	9081 / 1203	9082 / 520	2.232	1.658
13	9151 / 2022	9152 / 1339	2.184	1.694
13.1	9222 / 793	9223 / 110	2.195	1.939
13.2	9292 / 1612	9293 / 929	1.989	1.932
13.3	9363 / 383	9363 / 1748	2.037	1.941
13.4	9433 / 1202	9434 / 519	2.316	2.121
13.5	9503 / 2021	9504 / 1338	2.416	1.895
13.6	9574 / 792	9575 / 109	2.293	1.806
13.7	9644 / 1611	9645 / 928	2.269	1.825
13.8	9715 / 382	9715 / 1747	1.954	1.774
13.9	9785 / 1201	9786 / 518	2.161	1.801
14	9855 / 2020	9856 / 1337	2.187	1.964
14.1	9926 / 791	9927 / 108	2.597	1.772
14.2	9996 / 1610	9997 / 927	2.146	1.788
14.3	10067 / 381	10067 / 1746	2.157	1.792
14.4	10137 / 1200	10138 / 517	2.202	1.72
14.5	10207 / 2019	10208 / 1336	2.028	1.778
14.6	10278 / 790	10279 / 107	1.992	1.856
14.7	10348 / 1609	10349 / 926	1.925	1.782
14.8	10419 / 380	10419 / 1745	2.022	1.979
14.9	10489 / 1199	10490 / 516	3.754	2.807
15	10559 / 2018	10560 / 1335	2.15	1.808
15.1	10630 / 789	10631 / 106	3.068	2.084
15.2	10700 / 1608	10701 / 925	2.171	1.807
15.3	10771 / 379	10771 / 1744	2.2	1.831
15.4	10841 / 1198	10842 / 515	2.078	3.14
15.5	10911 / 2017	10912 / 1334	2.314	1.774
15.6	10982 / 788	10983 / 105	2.468	1.837
15.7	11052 / 1607	11053 / 924	2.289	1.895
15.8	11123 / 378	11123 / 1743	2.216	1.85
15.9	11193 / 1197	11194 / 514	2.435	1.811
16	11263 / 2016	11264 / 1333	2.136	1.835
16.1	11334 / 787	11335 / 104	2.127	1.776
16.2	11404 / 1606	11405 / 923	2.127	1.791
16.3	11475 / 377	11475 / 1742	2.574	1.893
16.4	11545 / 1196	11546 / 513	2.259	1.841
16.5	11615 / 2015	11616 / 1332	2.582	1.912
16.6	11686 / 786	11687 / 103	2.435	1.766
16.7	11756 / 1605	11757 / 922	2.877	2.129
16.8	11827 / 376	11827 / 1741	2.358	2.041
16.9	11897 / 1195	11898 / 512	2.974	1.944

17	11967 / 2014	11968 / 1331	2.433	1.88
17.1	12038 / 785	12039 / 102	2.247	2.898
17.2	12108 / 1604	12109 / 921	2.159	1.762
17.3	12179 / 375	12179 / 1740	2.109	1.433
17.4	12249 / 1194	12250 / 511	2.065	1.463
17.5	12319 / 2013	12320 / 1330	2.06	1.533
17.6	12390 / 784	12391 / 101	1.155	1.107
17.7	12460 / 1603	12461 / 920	1.504	1.089
17.8	12531 / 374	12531 / 1739	1.55	1.122
17.9	12601 / 1193	12602 / 510	1.199	1.076
18	12671 / 2012	12672 / 1329	1.277	1.048
18.1	12742 / 783	12743 / 100	1.395	1.362
18.2	12812 / 1602	12813 / 919	1.218	1.202
18.3	12883 / 373	12883 / 1738	1.491	1.523
18.4	12953 / 1192	12954 / 509	1.127	1.378
18.5	13023 / 2011	13024 / 1328	1.129	1.947
18.6	13094 / 782	13095 / 99	0.959	1.33
18.7	13164 / 1601	13165 / 918	1.105	1.541
18.8	13235 / 372	13235 / 1737	1.301	1.402
18.9	13305 / 1191	13306 / 508	1.394	1.534
19	13375 / 2010	13376 / 1327	1.086	1.417
19.1	13446 / 781	13447 / 98	1.242	1.454
19.2	13516 / 1600	13517 / 917	1.27	1.343
19.3	13587 / 371	13587 / 1736	1.088	1.152
19.4	13657 / 1190	13658 / 507	1.407	1.693
19.5	13727 / 2009	13728 / 1326	1.235	1.48
19.6	13798 / 780	13799 / 97	0.857	1.471
19.7	13868 / 1599	13869 / 916	1.056	1.568
19.8	13939 / 370	13939 / 1735	1.25	1.531
19.9	14009 / 1189	14010 / 506	1.163	1.394
20	14079 / 2008	14080 / 1325	1.062	1.474
20.1	14150 / 779	14151 / 96	1.104	1.318
20.2	14220 / 1598	14221 / 915	1.081	2.071
20.3	14291 / 369	14291 / 1734	1.221	1.658
20.4	14361 / 1188	14362 / 505	1.048	2.012
20.5	14431 / 2007	14432 / 1324	1.336	1.953
20.6	14502 / 778	14503 / 95	0.939	1.982
20.7	14572 / 1597	14573 / 914	1.294	1.832
20.8	14643 / 368	14643 / 1733	1.231	1.465
20.9	14713 / 1187	14714 / 504	1.323	1.426
21	14783 / 2006	14784 / 1323	1.103	1.167
21.1	14854 / 777	14855 / 94	1.893	1.418
21.2	14924 / 1596	14925 / 913	2.031	1.436

21.3	14995 / 367	14995 / 1732	2.124	1.465
21.4	15065 / 1186	15066 / 503	2.023	1.572
21.5	15135 / 2005	15136 / 1322	1.904	1.361
21.6	15206 / 776	15207 / 93	1.99	1.39
21.7	15276 / 1595	15277 / 912	2.045	1.261
21.8	15347 / 366	15347 / 1731	2.076	1.392
21.9	15417 / 1185	15418 / 502	1.905	1.394
22	15487 / 2004	15488 / 1321	2.278	1.408
22.1	15558 / 775	15559 / 92	1.93	1.444
22.2	15628 / 1594	15629 / 911	2.065	1.384
22.3	15699 / 365	15699 / 1730	1.811	1.274
22.4	15769 / 1184	15770 / 501	2.077	1.229
22.5	15839 / 2003	15840 / 1320	1.901	1.423
22.6	15910 / 774	15911 / 91	1.978	1.419
22.7	15980 / 1593	15981 / 910	2.167	1.196
22.8	16051 / 364	16051 / 1729	2.023	1.234
22.9	16121 / 1183	16122 / 500	1.692	1.268
23	16191 / 2002	16192 / 1319	1.835	1.326
23.1	16262 / 773	16263 / 90	1.87	1.361
23.2	16332 / 1592	16333 / 909	2.095	1.392
23.3	16403 / 363	16403 / 1728	1.889	1.519
23.4	16473 / 1182	16474 / 499	2.028	1.467
23.5	16543 / 2001	16544 / 1318	1.793	1.41
23.6	16614 / 772	16615 / 89	1.857	1.467
23.7	16684 / 1591	16685 / 908	2.057	1.485
23.8	16755 / 362	16755 / 1727	1.84	1.339
23.9	16825 / 1181	16826 / 498	1.955	1.541
24	16895 / 2000	16896 / 1317	1.922	1.467
24.1	16966 / 771	16967 / 88	1.869	1.366
24.2	17036 / 1590	17037 / 907	1.853	1.339
24.3	17107 / 361	17107 / 1726	1.857	1.433
24.4	17177 / 1180	17178 / 497	1.836	1.439
24.5	17247 / 1999	17248 / 1316	1.873	1.429
24.6	17318 / 770	17319 / 87	1.817	1.411
24.7	17388 / 1589	17389 / 906	1.869	1.372
24.8	17459 / 360	17459 / 1725	1.892	1.473
24.9	17529 / 1179	17530 / 496	1.962	1.314
25	17599 / 1998	17600 / 1315	1.776	1.356
25.1	17670 / 769	17671 / 86	1.955	1.407
25.2	17740 / 1588	17741 / 905	2.144	1.296
25.3	17811 / 359	17811 / 1724	2.199	1.781
25.4	17881 / 1178	17882 / 495	2.019	1.53
25.5	17951 / 1997	17952 / 1314	2.282	1.337

25.6	18022 / 768	18023 / 85	2.395	1.413
25.7	18092 / 1587	18093 / 904	2.397	1.526
25.8	18163 / 358	18163 / 1723	2.565	1.504
25.9	18233 / 1177	18234 / 494	2.25	1.358
26	18303 / 1996	18304 / 1313	1.992	1.584
26.1	18374 / 767	18375 / 84	1.776	1.339
26.2	18444 / 1586	18445 / 903	2.115	1.372
26.3	18515 / 357	18515 / 1722	2.161	1.352
26.4	18585 / 1176	18586 / 493	2.07	1.362
26.5	18655 / 1995	18656 / 1312	2.336	1.414
26.6	18726 / 766	18727 / 83	1.719	1.424
26.7	18796 / 1585	18797 / 902	1.979	1.329
26.8	18867 / 356	18867 / 1721	2.022	1.247
26.9	18937 / 1175	18938 / 492	2.104	1.245
27	19007 / 1994	19008 / 1311	2.123	1.328
27.1	19078 / 765	19079 / 82	2.19	1.362
27.2	19148 / 1584	19149 / 901	2.175	1.336
27.3	19219 / 355	19219 / 1720	2.038	1.42
27.4	19289 / 1174	19290 / 491	2.099	1.379
27.5	19359 / 1993	19360 / 1310	2.131	1.366
27.6	19430 / 764	19431 / 81	1.846	1.38
27.7	19500 / 1583	19501 / 900	2.089	1.309
27.8	19571 / 354	19571 / 1719	2.153	1.457
27.9	19641 / 1173	19642 / 490	2.185	1.424
28	19711 / 1992	19712 / 1309	2.307	1.31
28.1	19782 / 763	19783 / 80	2.106	1.24
28.2	19852 / 1582	19853 / 899	2.286	1.407
28.3	19923 / 353	19923 / 1718	2.078	1.31
28.4	19993 / 1172	19994 / 489	2.31	1.43
28.5	20063 / 1991	20064 / 1308	2.181	1.363
28.6	20134 / 762	20135 / 79	2.769	1.376
28.7	20204 / 1581	20205 / 898	2.553	1.309
28.8	20275 / 352	20275 / 1717	1.864	1.186
28.9	20345 / 1171	20346 / 488	2.365	1.256
29	20415 / 1990	20416 / 1307	1.908	1.273
29.1	20486 / 761	20487 / 78	1.837	1.441
29.2	20556 / 1580	20557 / 897	1.795	1.196
29.3	20627 / 351	20627 / 1716	1.939	1.224
29.4	20697 / 1170	20698 / 487	2.126	1.128
29.5	20767 / 1989	20768 / 1306	2.057	1.263
29.6	20838 / 760	20839 / 77	2.156	1.214
29.7	20908 / 1579	20909 / 896	1.916	1.239
29.8	20979 / 350	20979 / 1715	1.794	1.265

29.9	21049 / 1169	21050 / 486	1.832	1.129
30	21119 / 1988	21120 / 1305	1.826	1.524
30.1	21190 / 759	21191 / 76	1.705	1.346
30.2	21260 / 1578	21261 / 895	2.131	1.84
30.3	21331 / 349	21331 / 1714	2	1.525
30.4	21401 / 1168	21402 / 485	2.052	1.278
30.5	21471 / 1987	21472 / 1304	2.212	1.3
30.6	21542 / 758	21543 / 75	1.683	1.35
30.7	21612 / 1577	21613 / 894	2.077	1.334
30.8	21683 / 348	21683 / 1713	2.079	1.42
30.9	21753 / 1167	21754 / 484	2.12	1.402
31	21823 / 1986	21824 / 1303	1.915	1.338
31.1	21894 / 757	21895 / 74	2.042	1.341
31.2	21964 / 1576	21965 / 893	2.029	1.354
31.3	22035 / 347	22035 / 1712	2.211	1.306
31.4	22105 / 1166	22106 / 483	2.098	1.439
31.5	22175 / 1985	22176 / 1302	2.3	1.418
31.6	22246 / 756	22247 / 73	2.062	1.444
31.7	22316 / 1575	22317 / 892	2.125	1.346
31.8	22387 / 346	22387 / 1711	2.035	1.318
31.9	22457 / 1165	22458 / 482	2.235	1.348
32	22527 / 1984	22528 / 1301	1.694	1.239
32.1	22598 / 755	22599 / 72	1.943	1.312
32.2	22668 / 1574	22669 / 891	1.895	1.572
32.3	22739 / 345	22739 / 1710	2.008	1.359
32.4	22809 / 1164	22810 / 481	1.957	1.335
32.5	22879 / 1983	22880 / 1300	2.032	1.41
32.6	22950 / 754	22951 / 71	1.802	1.327
32.7	23020 / 1573	23021 / 890	1.817	1.241
32.8	23091 / 344	23091 / 1709	2.078	1.457
32.9	23161 / 1163	23162 / 480	2.073	1.355
33	23231 / 1982	23232 / 1299	1.952	1.356
33.1	23302 / 753	23303 / 70	1.978	1.416
33.2	23372 / 1572	23373 / 889	1.84	1.36
33.3	23443 / 343	23443 / 1708	1.941	1.506
33.4	23513 / 1162	23514 / 479	1.997	1.365
33.5	23583 / 1981	23584 / 1298	2.019	1.426
33.6	23654 / 752	23655 / 69	1.834	1.325
33.7	23724 / 1571	23725 / 888	1.8	1.293
33.8	23795 / 342	23795 / 1707	1.85	1.443
33.9	23865 / 1161	23866 / 478	1.949	1.361
34	23935 / 1980	23936 / 1297	1.749	1.405
34.1	24006 / 751	24007 / 68	1.883	1.384

34.2	24076 / 1570	24077 / 887	1.974	1.325
34.3	24147 / 341	24147 / 1706	1.712	1.265
34.4	24217 / 1160	24218 / 477	1.806	1.397
34.5	24287 / 1979	24288 / 1296	1.883	1.432
34.6	24358 / 750	24359 / 67	2.016	1.493
34.7	24428 / 1569	24429 / 886	1.971	1.354
34.8	24499 / 340	24499 / 1705	1.944	1.329
34.9	24569 / 1159	24570 / 476	1.815	1.3
35	24639 / 1978	24640 / 1295	1.729	1.317
35.1	24710 / 749	24711 / 66	1.97	2.113
35.2	24780 / 1568	24781 / 885	2.162	2.09
35.3	24851 / 339	24851 / 1704	1.821	2.02
35.4	24921 / 1158	24922 / 475	2.079	2.023
35.5	24991 / 1977	24992 / 1294	2.213	2.47
35.6	25062 / 748	25063 / 65	2.519	2.015
35.7	25132 / 1567	25133 / 884	2.102	2.111
35.8	25203 / 338	25203 / 1703	2.055	2.026
35.9	25273 / 1157	25274 / 474	2.095	2.003
36	25343 / 1976	25344 / 1293	2.022	2.007
36.1	25414 / 747	25415 / 64	1.756	1.596
36.2	25484 / 1566	25485 / 883	1.809	1.807
36.3	25555 / 337	25555 / 1702	1.824	2.034
36.4	25625 / 1156	25626 / 473	1.663	1.633
36.5	25695 / 1975	25696 / 1292	1.772	1.955
36.6	25766 / 746	25767 / 63	1.801	2.045
36.7	25836 / 1565	25837 / 882	1.839	2.104
36.8	25907 / 336	25907 / 1701	1.894	1.816
36.9	25977 / 1155	25978 / 472	2.084	1.753
37	26047 / 1974	26048 / 1291	1.979	1.566
37.1	26118 / 745	26119 / 62	1.835	1.367
37.2	26188 / 1564	26189 / 881	1.649	1.591
37.3	26259 / 335	26259 / 1700	1.789	1.345
37.4	26329 / 1154	26330 / 471	1.82	1.405
37.5	26399 / 1973	26400 / 1290	1.924	1.473
37.6	26470 / 744	26471 / 61	2.048	1.838
37.7	26540 / 1563	26541 / 880	2.005	1.795
37.8	26611 / 334	26611 / 1699	2.036	1.684
37.9	26681 / 1153	26682 / 470	1.982	1.674
38	26751 / 1972	26752 / 1289	1.987	1.62
38.1	26822 / 743	26823 / 60	2.032	1.649
38.2	26892 / 1562	26893 / 879	2.112	1.711
38.3	26963 / 333	26963 / 1698	1.922	1.763
38.4	27033 / 1152	27034 / 469	2.033	1.857

38.5	27103 / 1971	27104 / 1288	2.405	1.736
38.6	27174 / 742	27175 / 59	1.846	1.339
38.7	27244 / 1561	27245 / 878	1.85	1.348
38.8	27315 / 332	27315 / 1697	1.882	1.316
38.9	27385 / 1151	27386 / 468	1.803	1.342
39	27455 / 1970	27456 / 1287	1.865	1.312
39.1	27526 / 741	27527 / 58	2.02	1.397
39.2	27596 / 1560	27597 / 877	1.928	1.406
39.3	27667 / 331	27667 / 1696	1.891	1.462
39.4	27737 / 1150	27738 / 467	1.92	1.423
39.5	27807 / 1969	27808 / 1286	1.941	1.44
39.6	27878 / 740	27879 / 57	1.824	1.455
39.7	27948 / 1559	27949 / 876	1.869	1.573
39.8	28019 / 330	28019 / 1695	1.904	1.384
39.9	28089 / 1149	28090 / 466	1.971	1.393
40	28159 / 1968	28160 / 1285	2	1.503
40.1	28230 / 739	28231 / 56	1.855	1.438
40.2	28300 / 1558	28301 / 875	1.909	1.457
40.3	28371 / 329	28371 / 1694	1.919	1.445
40.4	28441 / 1148	28442 / 465	1.974	1.416
40.5	28511 / 1967	28512 / 1284	1.858	1.475
40.6	28582 / 738	28583 / 55	1.994	1.465
40.7	28652 / 1557	28653 / 874	1.934	1.502
40.8	28723 / 328	28723 / 1693	1.957	1.461
40.9	28793 / 1147	28794 / 464	1.972	1.46
41	28863 / 1966	28864 / 1283	2	1.46
41.1	28934 / 737	28935 / 54	2.06	1.501
41.2	29004 / 1556	29005 / 873	1.984	1.518
41.3	29075 / 327	29075 / 1692	2.005	1.457
41.4	29145 / 1146	29146 / 463	1.981	1.51
41.5	29215 / 1965	29216 / 1282	1.999	1.442
41.6	29286 / 736	29287 / 53	1.911	1.445
41.7	29356 / 1555	29357 / 872	2.038	1.941
41.8	29427 / 326	29427 / 1691	1.905	1.62
41.9	29497 / 1145	29498 / 462	1.976	1.58
42	29567 / 1964	29568 / 1281	1.893	1.651
42.1	29638 / 735	29639 / 52	2.003	1.548
42.2	29708 / 1554	29709 / 871	1.944	1.565
42.3	29779 / 325	29779 / 1690	1.958	1.595
42.4	29849 / 1144	29850 / 461	2.008	1.591
42.5	29919 / 1963	29920 / 1280	2.024	1.57
42.6	29990 / 734	29991 / 51	2.071	1.572
42.7	30060 / 1553	30061 / 870	2.002	1.534

42.8	30131 / 324	30131 / 1689	2.046	1.579
42.9	30201 / 1143	30202 / 460	1.901	1.568
43	30271 / 1962	30272 / 1279	1.978	1.546
43.1	30342 / 733	30343 / 50	1.962	1.602
43.2	30412 / 1552	30413 / 869	1.976	1.59
43.3	30483 / 323	30483 / 1688	2.03	1.59
43.4	30553 / 1142	30554 / 459	2.218	1.54
43.5	30623 / 1961	30624 / 1278	2.012	1.564
43.6	30694 / 732	30695 / 49	1.903	1.551
43.7	30764 / 1551	30765 / 868	1.96	1.543
43.8	30835 / 322	30835 / 1687	1.954	1.554
43.9	30905 / 1141	30906 / 458	2.009	1.613
44	30975 / 1960	30976 / 1277	1.952	1.589
44.1	31046 / 731	31047 / 48	1.955	1.647
44.2	31116 / 1550	31117 / 867	2.022	1.653
44.3	31187 / 321	31187 / 1686	1.962	1.605
44.4	31257 / 1140	31258 / 457	2.084	1.639
44.5	31327 / 1959	31328 / 1276	1.979	1.618
44.6	31398 / 730	31399 / 47	1.81	1.303
44.7	31468 / 1549	31469 / 866	1.897	1.391
44.8	31539 / 320	31539 / 1685	1.969	1.408
44.9	31609 / 1139	31610 / 456	2.728	3.388
45	31679 / 1958	31680 / 1275	2.61	2.346
45.1	31750 / 729	31751 / 46	2.832	2.452
45.2	31820 / 1548	31821 / 865	1.862	1.3
45.3	31891 / 319	31891 / 1684	1.912	1.443
45.4	31961 / 1138	31962 / 455	2.007	1.409
45.5	32031 / 1957	32032 / 1274	1.832	1.292
45.6	32102 / 728	32103 / 45	1.919	1.336
45.7	32172 / 1547	32173 / 864	1.882	1.332
45.8	32243 / 318	32243 / 1683	1.752	1.27
45.9	32313 / 1137	32314 / 454	2.705	2.5
46	32383 / 1956	32384 / 1273	2.734	2.483
46.1	32454 / 727	32455 / 44	2.613	2.852
46.2	32524 / 1546	32525 / 863	2.764	3.043
46.3	32595 / 317	32595 / 1682	2.776	3.256
46.4	32665 / 1136	32666 / 453	2.805	2.64
46.5	32735 / 1955	32736 / 1272	2.557	2.887
46.6	32806 / 726	32807 / 43	2.509	2.272
46.7	32876 / 1545	32877 / 862	2.621	2.634
46.8	32947 / 316	32947 / 1681	3.018	2.765
46.9	33017 / 1135	33018 / 452	2.611	2.747
47	33087 / 1954	33088 / 1271	3.048	3.016

47.1	33158 / 725	33159 / 42	3.058	2.549
47.2	33228 / 1544	33229 / 861	3.14	2.49
47.3	33299 / 315	33299 / 1680	2.925	2.53
47.4	33369 / 1134	33370 / 451	2.942	2.667
47.5	33439 / 1953	33440 / 1270	2.863	2.805
47.6	33510 / 724	33511 / 41	2.96	2.85
47.7	33580 / 1543	33581 / 860	2.782	3.004
47.8	33651 / 314	33651 / 1679	2.954	3.132
47.9	33721 / 1133	33722 / 450	3.682	3.263
48	33791 / 1952	33792 / 1269	3.011	3.212
48.1	33862 / 723	33863 / 40	2.608	3.331
48.2	33932 / 1542	33933 / 859	2.486	3.257
48.3	34003 / 313	34003 / 1678	1.788	1.443
48.4	34073 / 1132	34074 / 449	1.749	1.333
48.5	34143 / 1951	34144 / 1268	1.734	1.312
48.6	34214 / 722	34215 / 39	1.823	1.34
48.7	34284 / 1541	34285 / 858	1.853	1.338
48.8	34355 / 312	34355 / 1677	1.861	1.317
48.9	34425 / 1131	34426 / 448	1.848	1.359
49	34495 / 1950	34496 / 1267	1.863	1.409
49.1	34566 / 721	34567 / 38	2.825	3.053
49.2	34636 / 1540	34637 / 857	1.86	2.537
49.3	34707 / 311	34707 / 1676	1.759	1.793
49.4	34777 / 1130	34778 / 447	1.836	1.768
49.5	34847 / 1949	34848 / 1266	2.078	1.717
49.6	34918 / 720	34919 / 37	1.938	1.745
49.7	34988 / 1539	34989 / 856	1.94	1.867
49.8	35059 / 310	35059 / 1675	1.986	1.798
49.9	35129 / 1129	35130 / 446	1.772	2.363
50	35199 / 1948	35200 / 1265	1.813	1.903
50.1	35270 / 719	35271 / 36	1.894	1.787
50.2	35340 / 1538	35341 / 855	1.854	1.8
50.3	35411 / 309	35411 / 1674	1.84	1.783
50.4	35481 / 1128	35482 / 445	1.881	1.817
50.5	35551 / 1947	35552 / 1264	1.834	1.727
50.6	35622 / 718	35623 / 35	1.929	1.92
50.7	35692 / 1537	35693 / 854	1.958	1.872
50.8	35763 / 308	35763 / 1673	1.936	1.817
50.9	35833 / 1127	35834 / 444	1.916	1.769
51	35903 / 1946	35904 / 1263	2.023	1.9
51.1	35974 / 717	35975 / 34	1.844	1.842
51.2	36044 / 1536	36045 / 853	1.864	1.845
51.3	36115 / 307	36115 / 1672	1.904	1.85

51.4	36185 / 1126	36186 / 443	1.872	1.918
51.5	36255 / 1945	36256 / 1262	1.847	1.989
51.6	36326 / 716	36327 / 33	1.871	1.849
51.7	36396 / 1535	36397 / 852	1.811	1.87
51.8	36467 / 306	36467 / 1671	1.84	1.849
51.9	36537 / 1125	36538 / 442	1.767	2.024
52	36607 / 1944	36608 / 1261	1.844	1.933
52.1	36678 / 715	36679 / 32	1.841	2.429
52.2	36748 / 1534	36749 / 851	1.823	1.866
52.3	36819 / 305	36819 / 1670	1.983	1.933
52.4	36889 / 1124	36890 / 441	1.898	2.673
52.5	36959 / 1943	36960 / 1260	1.877	2.804
52.6	37030 / 714	37031 / 31	1.837	3.008
52.7	37100 / 1533	37101 / 850	1.879	2.904
52.8	37171 / 304	37171 / 1669	1.89	2.799
52.9	37241 / 1123	37242 / 440	1.885	2.637
53	37311 / 1942	37312 / 1259	1.878	2.675
53.1	37382 / 713	37383 / 30	1.942	2.816
53.2	37452 / 1532	37453 / 849	1.857	2.965
53.3	37523 / 303	37523 / 1668	1.803	3.091
53.4	37593 / 1122	37594 / 439	1.916	2.622
53.5	37663 / 1941	37664 / 1258	1.926	2.582
53.6	37734 / 712	37735 / 29	1.812	2.744
53.7	37804 / 1531	37805 / 848	1.841	3.108
53.8	37875 / 302	37875 / 1667	1.83	2.572
53.9	37945 / 1121	37946 / 438	1.977	2.518
54	38015 / 1940	38016 / 1257	2.127	2.716
54.1	38086 / 711	38087 / 28	1.838	3.228
54.2	38156 / 1530	38157 / 847	1.7	3.122
54.3	38227 / 301	38227 / 1666	1.717	2.937
54.4	38297 / 1120	38298 / 437	1.91	2.776
54.5	38367 / 1939	38368 / 1256	1.815	3.22
54.6	38438 / 710	38439 / 27	1.876	3.329
54.7	38508 / 1529	38509 / 846	1.95	3.235
54.8	38579 / 300	38579 / 1665	1.993	3.232
54.9	38649 / 1119	38650 / 436	1.997	2.949
55	38719 / 1938	38720 / 1255	2.012	2.951
55.1	38790 / 709	38791 / 26	1.938	3.103
55.2	38860 / 1528	38861 / 845	1.973	2.978
55.3	38931 / 299	38931 / 1664	2.039	3.039
55.4	39001 / 1118	39002 / 435	1.938	2.733
55.5	39071 / 1937	39072 / 1254	2.069	3.613
55.6	39142 / 708	39143 / 25	1.983	2.4

55.7	39212 / 1527	39213 / 844	1.457	3.302
55.8	39283 / 298	39283 / 1663	1.442	2.658
55.9	39353 / 1117	39354 / 434	2.129	3.007
56	39423 / 1936	39424 / 1253	2.048	2.733
56.1	39494 / 707	39495 / 24	1.992	2.01
56.2	39564 / 1526	39565 / 843	1.853	1.797
56.3	39635 / 297	39635 / 1662	2.079	1.949
56.4	39705 / 1116	39706 / 433	1.932	1.895
56.5	39775 / 1935	39776 / 1252	1.982	2.382
56.6	39846 / 706	39847 / 23	2.001	1.905
56.7	39916 / 1525	39917 / 842	2.05	1.767
56.8	39987 / 296	39987 / 1661	2.131	1.718
56.9	40057 / 1115	40058 / 432	2.041	2.71
57	0 / 0	0 / 1365	1.875	2.115
57.1	70 / 819	71 / 136	1.793	1.989
57.2	140 / 1638	141 / 955	1.697	1.816
57.3	211 / 409	211 / 1774	1.76	1.818
57.4	281 / 1228	282 / 545	1.764	1.826
57.5	351 / 2047	352 / 1364	1.674	1.514
57.6	422 / 818	423 / 135	1.54	1.76
57.7	492 / 1637	493 / 954	1.783	2.022
57.8	563 / 408	563 / 1773	2.006	2.224
57.9	633 / 1227	634 / 544	1.879	2.218
58	703 / 2046	704 / 1363	1.859	1.861
58.1	774 / 817	775 / 134	1.893	1.932
58.2	844 / 1636	845 / 953	1.88	1.883
58.3	915 / 407	915 / 1772	1.707	2.181
58.4	985 / 1226	986 / 543	1.883	2.038
58.5	1055 / 2045	1056 / 1362	1.771	2.21
58.6	1126 / 816	1127 / 133	1.924	1.932
58.7	1196 / 1635	1197 / 952	1.664	1.734
58.8	1267 / 406	1267 / 1771	1.341	1.531
58.9	1337 / 1225	1338 / 542	2.031	1.937
59	1407 / 2044	1408 / 1361	1.724	1.9
59.1	1478 / 815	1479 / 132	1.914	1.91
59.2	1548 / 1634	1549 / 951	1.738	2.102
59.3	1619 / 405	1619 / 1770	1.947	1.85
59.4	1689 / 1224	1690 / 541	1.829	1.872
59.5	1759 / 2043	1760 / 1360	1.816	1.899
59.6	1830 / 814	1831 / 131	1.822	1.902
59.7	1900 / 1633	1901 / 950	1.69	2.335
59.8	1971 / 404	1971 / 1769	1.747	2.414
59.9	2041 / 1223	2042 / 540	1.902	1.904

60	2111 / 2042	2112 / 1359	1.849	1.902
60.1	2182 / 813	2183 / 130	1.819	1.835
60.2	2252 / 1632	2253 / 949	1.936	1.902
60.3	2323 / 403	2323 / 1768	1.928	1.906
60.4	2393 / 1222	2394 / 539	1.965	1.887
60.5	2463 / 2041	2464 / 1358	1.73	1.882
60.6	2534 / 812	2535 / 129	1.72	2.015
60.7	2604 / 1631	2605 / 948	1.757	1.951
60.8	2675 / 402	2675 / 1767	1.696	2.331
60.9	2745 / 1221	2746 / 538	1.824	1.87
61	2815 / 2040	2816 / 1357	1.989	1.92
61.1	2886 / 811	2887 / 128	2.018	1.874
61.2	2956 / 1630	2957 / 947	1.856	1.919
61.3	3027 / 401	3027 / 1766	1.867	1.958
61.4	3097 / 1220	3098 / 537	1.83	1.919
61.5	3167 / 2039	3168 / 1356	1.817	1.869
61.6	3238 / 810	3239 / 127	1.655	1.818
61.7	3308 / 1629	3309 / 946	1.497	1.695
61.8	3379 / 400	3379 / 1765	1.507	1.829
61.9	3449 / 1219	3450 / 536	1.574	1.793
62	3519 / 2038	3520 / 1355	1.658	1.93
62.1	3590 / 809	3591 / 126	1.624	1.538
62.2	3660 / 1628	3661 / 945	1.64	1.736
62.3	3731 / 399	3731 / 1764	1.902	2.11
62.4	3801 / 1218	3802 / 535	1.991	2.056
62.5	3871 / 2037	3872 / 1354	1.791	2.048
62.6	3942 / 808	3943 / 125	1.736	2.08
62.7	4012 / 1627	4013 / 944	1.733	2.137
62.8	4083 / 398	4083 / 1763	1.791	2.187
62.9	4153 / 1217	4154 / 534	1.746	2.172
63	4223 / 2036	4224 / 1353	1.781	2.032
63.1	4294 / 807	4295 / 124	1.774	2.176
63.2	4364 / 1626	4365 / 943	1.727	2.152
63.3	4435 / 397	4435 / 1762	1.712	2.075
63.4	4505 / 1216	4506 / 533	1.824	1.965
63.5	4575 / 2035	4576 / 1352	2.003	2.102
63.6	4646 / 806	4647 / 123	2.001	2.059
63.7	4716 / 1625	4717 / 942	1.816	2.076
63.8	4787 / 396	4787 / 1761	1.904	2.1
63.9	4857 / 1215	4858 / 532	1.789	2.155
64	4927 / 2034	4928 / 1351	1.788	2.135
64.1	4998 / 805	4999 / 122	1.891	2.006
64.2	5068 / 1624	5069 / 941	1.824	2.06

64.3	5139 / 395	5139 / 1760	1.774	2.09
64.4	5209 / 1214	5210 / 531	1.901	3.186
64.5	5279 / 2033	5280 / 1350	1.876	3.46
64.6	5350 / 804	5351 / 121	1.868	3.504
64.7	5420 / 1623	5421 / 940	1.9	3.759
64.8	5491 / 394	5491 / 1759	1.94	3.106
64.9	5561 / 1213	5562 / 530	1.867	3.678
65	5631 / 2032	5632 / 1349	2.056	3.323
65.1	5702 / 803	5703 / 120	2.019	3.554
65.2	5772 / 1622	5773 / 939	1.876	3.085
65.3	5843 / 393	5843 / 1758	1.989	3.559
65.4	5913 / 1212	5914 / 529	2.01	3.605
65.5	5983 / 2031	5984 / 1348	2.043	3.114
65.6	6054 / 802	6055 / 119	2.075	3.191
65.7	6124 / 1621	6125 / 938	2.039	3.014
65.8	6195 / 392	6195 / 1757	1.974	3.251
65.9	6265 / 1211	6266 / 528	2.057	3.505
66	6335 / 2030	6336 / 1347	2.048	3.52
66.1	6406 / 801	6407 / 118	2.118	2.868
66.2	6476 / 1620	6477 / 937	1.802	4.138
66.3	6547 / 391	6547 / 1756	1.99	3.14
66.4	6617 / 1210	6618 / 527	2.059	3.139
66.5	6687 / 2029	6688 / 1346	2.098	3.529
66.6	6758 / 800	6759 / 117	2.085	3.17
66.7	6828 / 1619	6829 / 936	2.062	2.991
66.8	6899 / 390	6899 / 1755	2.086	2.925
66.9	6969 / 1209	6970 / 526	2.063	2.926
67	7039 / 2028	7040 / 1345	2.031	3.609
67.1	7110 / 799	7111 / 116	2.032	3.578
67.2	7180 / 1618	7181 / 935	2.043	4.099
67.3	7251 / 389	7251 / 1754	2.045	3.643
67.4	7321 / 1208	7322 / 525	2.018	3.866
67.5	7391 / 2027	7392 / 1344	2.202	3.621
67.6	7462 / 798	7463 / 115	2.1	3.535
67.7	7532 / 1617	7533 / 934	2.162	4.844
67.8	7603 / 388	7603 / 1753	1.892	4.073
67.9	7673 / 1207	7674 / 524	1.92	3.798
68	7743 / 2026	7744 / 1343	2.04	3.609
68.1	7814 / 797	7815 / 114	1.961	3.876
68.2	7884 / 1616	7885 / 933	1.993	3.475
68.3	7955 / 387	7955 / 1752	2.173	3.849
68.4	8025 / 1206	8026 / 523	1.997	2.566
68.5	8095 / 2025	8096 / 1342	2.045	3.82

68.6	8166 / 796	8167 / 113	1.963	3.941
68.7	8236 / 1615	8237 / 932	1.974	2.755
68.8	8307 / 386	8307 / 1751	1.978	3.451
68.9	8377 / 1205	8378 / 522	2.04	3.349
69	8447 / 2024	8448 / 1341	2.026	3.093
69.1	8518 / 795	8519 / 112	2.067	3.569
69.2	8588 / 1614	8589 / 931	1.995	3.686
69.3	8659 / 385	8659 / 1750	2.015	3.33
69.4	8729 / 1204	8730 / 521	1.934	3.876
69.5	8799 / 2023	8800 / 1340	1.939	3.387
69.6	8870 / 794	8871 / 111	1.891	3.825
69.7	8940 / 1613	8941 / 930	1.718	3.696
69.8	9011 / 384	9011 / 1749	1.934	3.923
69.9	9081 / 1203	9082 / 520	2.133	3.582
70	9151 / 2022	9152 / 1339	1.894	3.797
70.1	9222 / 793	9223 / 110	1.917	3.533
70.2	9292 / 1612	9293 / 929	1.996	3.615
70.3	9363 / 383	9363 / 1748	1.948	3.768
70.4	9433 / 1202	9434 / 519	1.937	3.456
70.5	9503 / 2021	9504 / 1338	2.009	3.627
70.6	9574 / 792	9575 / 109	2.002	3.427
70.7	9644 / 1611	9645 / 928	1.983	3.25
70.8	9715 / 382	9715 / 1747	1.956	3.563
70.9	9785 / 1201	9786 / 518	1.964	3.963
71	9855 / 2020	9856 / 1337	2.031	3.251
71.1	9926 / 791	9927 / 108	1.991	3.762
71.2	9996 / 1610	9997 / 927	1.957	3.204
71.3	10067 / 381	10067 / 1746	1.973	3.319
71.4	10137 / 1200	10138 / 517	2.041	3.628
71.5	10207 / 2019	10208 / 1336	2.069	3.386
71.6	10278 / 790	10279 / 107	2.066	2.847
71.7	10348 / 1609	10349 / 926	2.01	2.734
71.8	10419 / 380	10419 / 1745	2.14	3.269
71.9	10489 / 1199	10490 / 516	2.051	3.057
72	10559 / 2018	10560 / 1335	2.031	2.851
72.1	10630 / 789	10631 / 106	2.003	2.983
72.2	10700 / 1608	10701 / 925	2.045	3.506
72.3	10771 / 379	10771 / 1744	2.056	3.43
72.4	10841 / 1198	10842 / 515	2.118	4.233
72.5	10911 / 2017	10912 / 1334	2.484	3.001
72.6	10982 / 788	10983 / 105	2.595	2.418
72.7	11052 / 1607	11053 / 924	2.408	2.652
72.8	11123 / 378	11123 / 1743	2.642	2.495

72.9	11193 / 1197	11194 / 514	2.485	2.756
73	11263 / 2016	11264 / 1333	2.418	2.553
73.1	11334 / 787	11335 / 104	2.61	2.422
73.2	11404 / 1606	11405 / 923	2.472	2.433
73.3	11475 / 377	11475 / 1742	2.627	2.735
73.4	11545 / 1196	11546 / 513	2.89	2.884
73.5	11615 / 2015	11616 / 1332	2.509	1.913
73.6	11686 / 786	11687 / 103	3.077	2.236
73.7	11756 / 1605	11757 / 922	2.243	2.9
73.8	11827 / 376	11827 / 1741	2.459	2.839
73.9	11897 / 1195	11898 / 512	2.619	2.599
74	11967 / 2014	11968 / 1331	2.636	2.637
74.1	12038 / 785	12039 / 102	2.789	2.574
74.2	12108 / 1604	12109 / 921	2.412	2.483
74.3	12179 / 375	12179 / 1740	2.479	2.479
74.4	12249 / 1194	12250 / 511	2.831	2.503
74.5	12319 / 2013	12320 / 1330	2.242	1.563
74.6	12390 / 784	12391 / 101	1.917	1.539
74.7	12460 / 1603	12461 / 920	1.744	1.563
74.8	12531 / 374	12531 / 1739	1.77	1.601
74.9	12601 / 1193	12602 / 510	1.898	1.609
75	12671 / 2012	12672 / 1329	1.843	1.461
75.1	12742 / 783	12743 / 100	1.878	1.474
75.2	12812 / 1602	12813 / 919	1.829	1.487
75.3	12883 / 373	12883 / 1738	1.793	1.428
75.4	12953 / 1192	12954 / 509	1.857	1.452
75.5	13023 / 2011	13024 / 1328	1.816	1.471
75.6	13094 / 782	13095 / 99	1.694	1.435
75.7	13164 / 1601	13165 / 918	1.759	1.571
75.8	13235 / 372	13235 / 1737	1.644	1.468
75.9	13305 / 1191	13306 / 508	1.73	1.573
76	13375 / 2010	13376 / 1327	1.338	2.714
76.1	13446 / 781	13447 / 98	1.529	1.304
76.2	13516 / 1600	13517 / 917	1.659	1.396
76.3	13587 / 371	13587 / 1736	1.692	1.401
76.4	13657 / 1190	13658 / 507	1.708	1.471
76.5	13727 / 2009	13728 / 1326	1.868	1.53
76.6	13798 / 780	13799 / 97	1.777	1.464
76.7	13868 / 1599	13869 / 916	1.746	1.465
76.8	13939 / 370	13939 / 1735	1.741	1.459
76.9	14009 / 1189	14010 / 506	1.595	1.414
77	14079 / 2008	14080 / 1325	1.637	1.469
77.1	14150 / 779	14151 / 96	1.656	1.423

77.2	14220 / 1598	14221 / 915	1.693	1.482
77.3	14291 / 369	14291 / 1734	1.675	1.477
77.4	14361 / 1188	14362 / 505	1.76	1.495
77.5	14431 / 2007	14432 / 1324	1.766	1.545
77.6	14502 / 778	14503 / 95	1.672	1.471
77.7	14572 / 1597	14573 / 914	1.623	1.422
77.8	14643 / 368	14643 / 1733	1.556	1.396
77.9	14713 / 1187	14714 / 504	1.724	1.468
78	14783 / 2006	14784 / 1323	1.685	1.517
78.1	14854 / 777	14855 / 94	1.85	1.486
78.2	14924 / 1596	14925 / 913	1.768	1.468
78.3	14995 / 367	14995 / 1732	2.214	1.851
78.4	15065 / 1186	15066 / 503	1.901	1.806
78.5	15135 / 2005	15136 / 1322	1.979	2.103
78.6	15206 / 776	15207 / 93	2.067	1.865
78.7	15276 / 1595	15277 / 912	1.69	1.511
78.8	15347 / 366	15347 / 1731	1.949	1.483
78.9	15417 / 1185	15418 / 502	1.915	1.89
79	15487 / 2004	15488 / 1321	1.989	2.101
79.1	15558 / 775	15559 / 92	1.94	1.688
79.2	15628 / 1594	15629 / 911	2.075	2.036
79.3	15699 / 365	15699 / 1730	2.049	1.864
79.4	15769 / 1184	15770 / 501	2.227	2.014
79.5	15839 / 2003	15840 / 1320	2.184	1.868
79.6	15910 / 774	15911 / 91	2.15	1.825
79.7	15980 / 1593	15981 / 910	2.331	1.792
79.8	16051 / 364	16051 / 1729	2.208	1.83
79.9	16121 / 1183	16122 / 500	2.14	1.919
80	16191 / 2002	16192 / 1319	2.257	1.876
80.1	16262 / 773	16263 / 90	2.3	1.924
80.2	16332 / 1592	16333 / 909	2.551	2.022
80.3	16403 / 363	16403 / 1728	2.586	1.987
80.4	16473 / 1182	16474 / 499	2.521	2.015
80.5	16543 / 2001	16544 / 1318	2.562	2.017
80.6	16614 / 772	16615 / 89	2.531	1.982
80.7	16684 / 1591	16685 / 908	2.405	2.2
80.8	16755 / 362	16755 / 1727	1.996	2.371
80.9	16825 / 1181	16826 / 498	1.5	1.044
81	16895 / 2000	16896 / 1317	1.645	1.261
81.1	16966 / 771	16967 / 88	1.68	1.229
81.2	17036 / 1590	17037 / 907	1.838	1.092
81.3	17107 / 361	17107 / 1726	1.725	1.39
81.4	17177 / 1180	17178 / 497	1.624	1.325

81.5	17247 / 1999	17248 / 1316	1.797	1.311
81.6	17318 / 770	17319 / 87	1.765	1.327
81.7	17388 / 1589	17389 / 906	1.681	1.386
81.8	17459 / 360	17459 / 1725	1.636	1.455
81.9	17529 / 1179	17530 / 496	1.86	1.465
82	17599 / 1998	17600 / 1315	1.855	1.605
82.1	17670 / 769	17671 / 86	1.839	1.344
82.2	17740 / 1588	17741 / 905	1.952	1.399
82.3	17811 / 359	17811 / 1724	2.184	1.471
82.4	17881 / 1178	17882 / 495	1.801	1.524
82.5	17951 / 1997	17952 / 1314	1.853	1.258
82.6	18022 / 768	18023 / 85	1.86	1.482
82.7	18092 / 1587	18093 / 904	1.934	1.42
82.8	18163 / 358	18163 / 1723	2.213	1.378
82.9	18233 / 1177	18234 / 494	2.033	1.191
83	18303 / 1996	18304 / 1313	1.836	1.217
83.1	18374 / 767	18375 / 84	1.882	2.124
83.2	18444 / 1586	18445 / 903	1.838	1.746
83.3	18515 / 357	18515 / 1722	1.769	2.516
83.4	18585 / 1176	18586 / 493	1.767	1.95
83.5	18655 / 1995	18656 / 1312	1.817	1.757
83.6	18726 / 766	18727 / 83	1.802	1.875
83.7	18796 / 1585	18797 / 902	1.881	2.06
83.8	18867 / 356	18867 / 1721	1.765	1.779
83.9	18937 / 1175	18938 / 492	1.821	1.88
84	19007 / 1994	19008 / 1311	1.826	1.756
84.1	19078 / 765	19079 / 82	1.902	1.819
84.2	19148 / 1584	19149 / 901	1.865	1.909
84.3	19219 / 355	19219 / 1720	1.864	1.823
84.4	19289 / 1174	19290 / 491	1.792	1.78
84.5	19359 / 1993	19360 / 1310	1.805	1.805
84.6	19430 / 764	19431 / 81	1.847	1.828
84.7	19500 / 1583	19501 / 900	1.79	1.816
84.8	19571 / 354	19571 / 1719	1.85	1.827
84.9	19641 / 1173	19642 / 490	1.736	1.785
85	19711 / 1992	19712 / 1309	1.798	1.792
85.1	19782 / 763	19783 / 80	1.773	1.813
85.2	19852 / 1582	19853 / 899	1.821	1.822
85.3	19923 / 353	19923 / 1718	1.839	1.911
85.4	19993 / 1172	19994 / 489	1.834	1.856
85.5	20063 / 1991	20064 / 1308	1.779	1.835
85.6	20134 / 762	20135 / 79	1.756	1.834
85.7	20204 / 1581	20205 / 898	1.783	1.79

85.8	20275 / 352	20275 / 1717	1.694	1.812
85.9	20345 / 1171	20346 / 488	1.931	1.831
86	20415 / 1990	20416 / 1307	1.874	1.894
86.1	20486 / 761	20487 / 78	1.889	1.924
86.2	20556 / 1580	20557 / 897	1.84	1.854
86.3	20627 / 351	20627 / 1716	1.879	1.822
86.4	20697 / 1170	20698 / 487	1.908	1.771
86.5	20767 / 1989	20768 / 1306	1.945	1.68
86.6	20838 / 760	20839 / 77	1.845	1.62
86.7	20908 / 1579	20909 / 896	1.923	2.112
86.8	20979 / 350	20979 / 1715	1.913	2.136
86.9	21049 / 1169	21050 / 486	1.844	2.199
87	21119 / 1988	21120 / 1305	2.089	2.007
87.1	21190 / 759	21191 / 76	1.891	1.787
87.2	21260 / 1578	21261 / 895	1.946	1.627
87.3	21331 / 349	21331 / 1714	1.914	1.755
87.4	21401 / 1168	21402 / 485	1.792	2.021
87.5	21471 / 1987	21472 / 1304	1.936	1.784
87.6	21542 / 758	21543 / 75	1.89	1.727
87.7	21612 / 1577	21613 / 894	1.82	1.77
87.8	21683 / 348	21683 / 1713	1.867	1.832
87.9	21753 / 1167	21754 / 484	1.855	1.807
88	21823 / 1986	21824 / 1303	1.798	1.604
88.1	21894 / 757	21895 / 74	1.775	1.356
88.2	21964 / 1576	21965 / 893	1.528	1.297
88.3	22035 / 347	22035 / 1712	1.593	1.325
88.4	22105 / 1166	22106 / 483	1.568	1.355
88.5	22175 / 1985	22176 / 1302	1.696	1.381
88.6	22246 / 756	22247 / 73	1.623	1.452
88.7	22316 / 1575	22317 / 892	1.683	1.487
88.8	22387 / 346	22387 / 1711	1.666	1.383
88.9	22457 / 1165	22458 / 482	1.631	1.355
89	22527 / 1984	22528 / 1301	1.772	1.423
89.1	22598 / 755	22599 / 72	1.653	1.397
89.2	22668 / 1574	22669 / 891	1.756	1.511
89.3	22739 / 345	22739 / 1710	1.683	1.391
89.4	22809 / 1164	22810 / 481	1.772	1.328
89.5	22879 / 1983	22880 / 1300	1.651	1.405
89.6	22950 / 754	22951 / 71	1.653	1.379
89.7	23020 / 1573	23021 / 890	1.633	1.414
89.8	23091 / 344	23091 / 1709	1.731	1.436
89.9	23161 / 1163	23162 / 480	1.75	1.424
90	23231 / 1982	23232 / 1299	1.651	1.337

90.1	23302 / 753	23303 / 70	1.812	1.461
90.2	23372 / 1572	23373 / 889	1.796	1.442
90.3	23443 / 343	23443 / 1708	1.72	1.635
90.4	23513 / 1162	23514 / 479	1.784	1.505
90.5	23583 / 1981	23584 / 1298	1.668	1.369
90.6	23654 / 752	23655 / 69	1.748	1.449
90.7	23724 / 1571	23725 / 888	1.704	1.434
90.8	23795 / 342	23795 / 1707	1.689	1.439
90.9	23865 / 1161	23866 / 478	1.748	1.706
91	23935 / 1980	23936 / 1297	1.6	1.405
91.1	24006 / 751	24007 / 68	1.809	1.515
91.2	24076 / 1570	24077 / 887	1.724	2.052
91.3	24147 / 341	24147 / 1706	1.899	1.467
91.4	24217 / 1160	24218 / 477	1.855	1.477
91.5	24287 / 1979	24288 / 1296	1.593	1.348
91.6	24358 / 750	24359 / 67	1.669	1.392
91.7	24428 / 1569	24429 / 886	1.701	1.512
91.8	24499 / 340	24499 / 1705	1.774	1.418
91.9	24569 / 1159	24570 / 476	1.698	1.395
92	24639 / 1978	24640 / 1295	1.865	1.389
92.1	24710 / 749	24711 / 66	1.777	1.457
92.2	24780 / 1568	24781 / 885	1.819	1.537
92.3	24851 / 339	24851 / 1704	1.683	1.652
92.4	24921 / 1158	24922 / 475	1.887	1.292
92.5	24991 / 1977	24992 / 1294	1.607	1.442
92.6	25062 / 748	25063 / 65	1.723	1.509
92.7	25132 / 1567	25133 / 884	1.608	1.492
92.8	25203 / 338	25203 / 1703	1.528	1.326
92.9	25273 / 1157	25274 / 474	2.624	2.234
93	25343 / 1976	25344 / 1293	2.446	2.57
93.1	25414 / 747	25415 / 64	2.332	2.208
93.2	25484 / 1566	25485 / 883	2.391	2.034
93.3	25555 / 337	25555 / 1702	2.349	1.962
93.4	25625 / 1156	25626 / 473	2.274	1.999
93.5	25695 / 1975	25696 / 1292	2.268	1.987
93.6	25766 / 746	25767 / 63	2.284	2.032
93.7	25836 / 1565	25837 / 882	2.266	2.098
93.8	25907 / 336	25907 / 1701	2.31	2.024
93.9	25977 / 1155	25978 / 472	2.616	1.885
94	26047 / 1974	26048 / 1291	2.333	1.89
94.1	26118 / 745	26119 / 62	2.281	1.955
94.2	26188 / 1564	26189 / 881	2.574	2.043
94.3	26259 / 335	26259 / 1700	2.339	1.866

94.4	26329 / 1154	26330 / 471	2.288	1.999
94.5	26399 / 1973	26400 / 1290	2.166	1.962
94.6	26470 / 744	26471 / 61	2.055	1.763
94.7	26540 / 1563	26541 / 880	2.239	2.248
94.8	26611 / 334	26611 / 1699	2.244	1.942
94.9	26681 / 1153	26682 / 470	2.308	2.09
95	26751 / 1972	26752 / 1289	2.324	2.108
95.1	26822 / 743	26823 / 60	2.148	1.967
95.2	26892 / 1562	26893 / 879	2.282	1.654
95.3	26963 / 333	26963 / 1698	2.42	1.936
95.4	27033 / 1152	27034 / 469	2.49	1.92
95.5	27103 / 1971	27104 / 1288	2.108	2.005
95.6	27174 / 742	27175 / 59	2.571	2.041
95.7	27244 / 1561	27245 / 878	2.689	2.074
95.8	27315 / 332	27315 / 1697	1.875	1.954
95.9	27385 / 1151	27386 / 468	1.725	1.816
96	27455 / 1970	27456 / 1287	1.883	1.754
96.1	27526 / 741	27527 / 58	1.86	1.809
96.2	27596 / 1560	27597 / 877	1.856	1.794
96.3	27667 / 331	27667 / 1696	1.854	1.81
96.4	27737 / 1150	27738 / 467	1.864	1.851
96.5	27807 / 1969	27808 / 1286	1.925	1.822
96.6	27878 / 740	27879 / 57	1.871	1.842
96.7	27948 / 1559	27949 / 876	1.828	1.79
96.8	28019 / 330	28019 / 1695	1.816	1.785
96.9	28089 / 1149	28090 / 466	1.866	1.949
97	28159 / 1968	28160 / 1285	1.717	1.775
97.1	28230 / 739	28231 / 56	1.789	1.805
97.2	28300 / 1558	28301 / 875	1.753	1.824
97.3	28371 / 329	28371 / 1694	1.753	1.875
97.4	28441 / 1148	28442 / 465	1.776	1.876
97.5	28511 / 1967	28512 / 1284	1.739	1.866
97.6	28582 / 738	28583 / 55	1.799	1.859
97.7	28652 / 1557	28653 / 874	1.761	1.889
97.8	28723 / 328	28723 / 1693	1.695	1.94
97.9	28793 / 1147	28794 / 464	1.747	1.846
98	28863 / 1966	28864 / 1283	1.785	1.825
98.1	28934 / 737	28935 / 54	1.803	1.959
98.2	29004 / 1556	29005 / 873	1.768	1.845
98.3	29075 / 327	29075 / 1692	1.771	1.848
98.4	29145 / 1146	29146 / 463	1.702	1.931
98.5	29215 / 1965	29216 / 1282	1.721	1.946
98.6	29286 / 736	29287 / 53	1.777	1.95

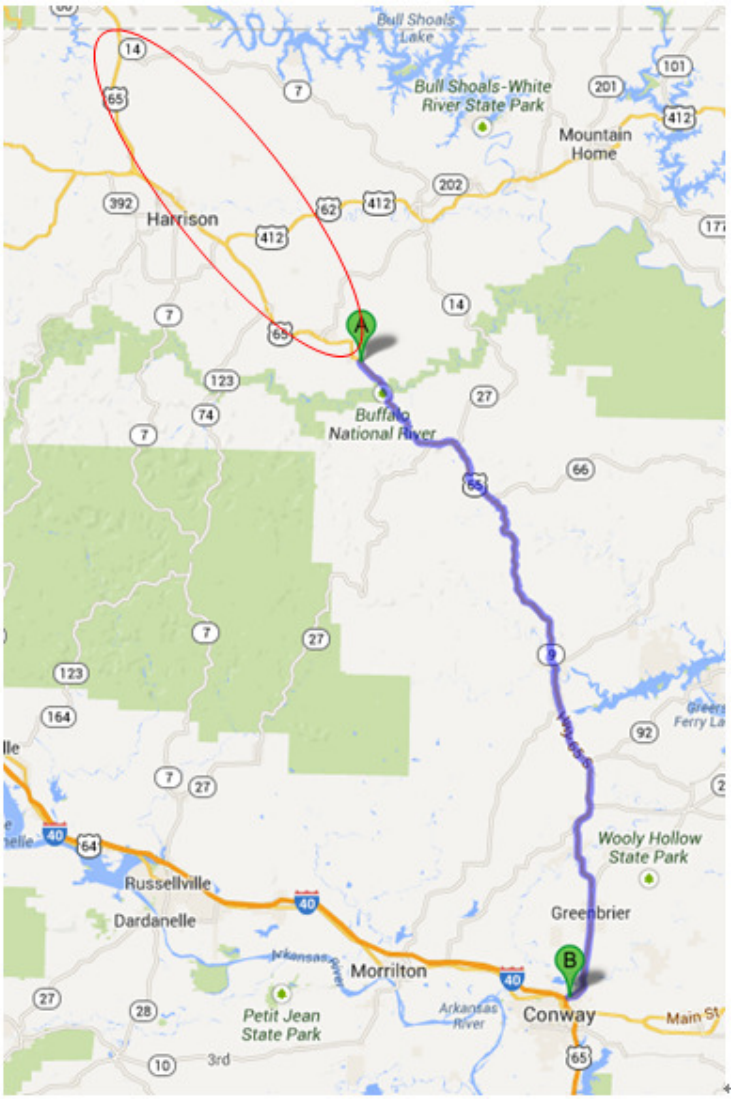
98.7	29356 / 1555	29357 / 872	1.746	1.936
98.8	29427 / 326	29427 / 1691	1.721	1.877
98.9	29497 / 1145	29498 / 462	1.791	1.91
99	29567 / 1964	29568 / 1281	1.74	2.136
99.1	29638 / 735	29639 / 52	1.872	1.893
99.2	29708 / 1554	29709 / 871	1.912	2.239
99.3	29779 / 325	29779 / 1690	1.745	1.831
99.4	29849 / 1144	29850 / 461	1.729	1.752
99.5	29919 / 1963	29920 / 1280	1.741	1.798
99.6	29990 / 734	29991 / 51	1.684	1.742
99.7	30060 / 1553	30061 / 870	1.772	1.731
99.8	30131 / 324	30131 / 1689	1.719	1.681
99.9	30201 / 1143	30202 / 460	1.758	1.762
100	30271 / 1962	30272 / 1279	1.734	1.755
100.1	30342 / 733	30343 / 50	1.79	1.738
100.2	30412 / 1552	30413 / 869	1.755	1.732
100.3	30483 / 323	30483 / 1688	1.76	1.675
100.4	30553 / 1142	30554 / 459	1.829	1.658
100.5	30623 / 1961	30624 / 1278	1.79	1.59
100.6	30694 / 732	30695 / 49	1.751	1.566
100.7	30764 / 1551	30765 / 868	1.774	1.583
100.8	30835 / 322	30835 / 1687	1.778	1.598
100.9	30905 / 1141	30906 / 458	1.693	1.589
101	30975 / 1960	30976 / 1277	1.758	1.652
101.1	31046 / 731	31047 / 48	1.761	1.611
101.2	31116 / 1550	31117 / 867	1.815	1.656
101.3	31187 / 321	31187 / 1686	1.679	1.622
101.4	31257 / 1140	31258 / 457	1.739	1.67
101.5	31327 / 1959	31328 / 1276	1.756	1.751
101.6	31398 / 730	31399 / 47	1.763	1.681
101.7	31468 / 1549	31469 / 866	1.762	1.682
101.8	31539 / 320	31539 / 1685	1.716	1.681
101.9	31609 / 1139	31610 / 456	1.778	1.68
102	31679 / 1958	31680 / 1275	1.733	1.662
102.1	31750 / 729	31751 / 46	1.765	1.719
102.2	31820 / 1548	31821 / 865	1.736	1.727
102.3	31891 / 319	31891 / 1684	1.748	1.674
102.4	31961 / 1138	31962 / 455	1.777	1.666
102.5	32031 / 1957	32032 / 1274	1.71	1.775
102.6	32102 / 728	32103 / 45	1.802	1.783
102.7	32172 / 1547	32173 / 864	1.901	1.874
102.8	32243 / 318	32243 / 1683	1.934	1.746
102.9	32313 / 1137	32314 / 454	1.907	1.529

103	32383 / 1956	32384 / 1273	1.824	1.456
103.1	32454 / 727	32455 / 44	1.859	1.976
103.2	32524 / 1546	32525 / 863	1.931	1.563
103.3	32595 / 317	32595 / 1682	1.923	1.912
103.4	32665 / 1136	32666 / 453	1.977	1.566
103.5	32735 / 1955	32736 / 1272	1.849	1.724
103.6	32806 / 726	32807 / 43	1.747	1.561
103.7	32876 / 1545	32877 / 862	1.829	1.616
103.8	32947 / 316	32947 / 1681	1.704	1.633

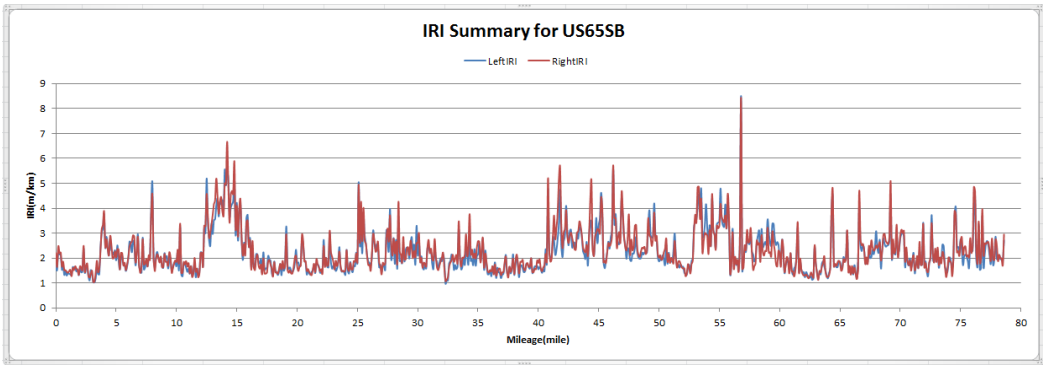
US 65 S (TO CONWAY)

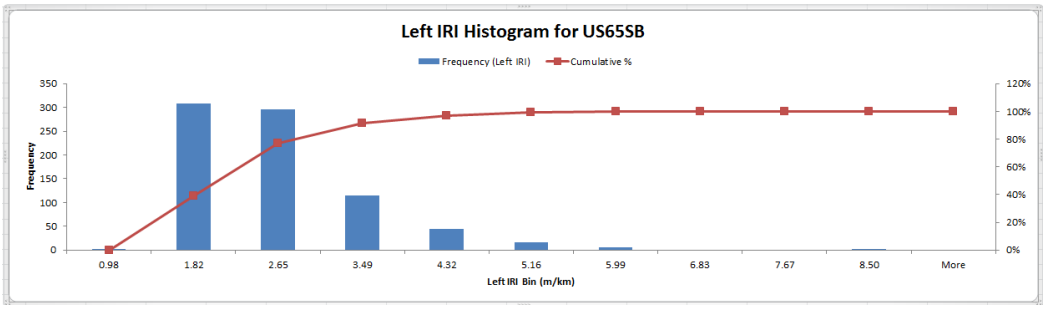
Route Description

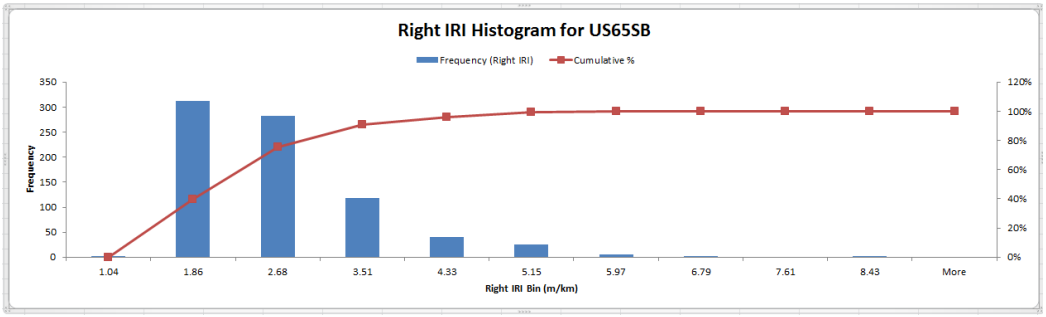
US 65S (To Conway) data collection starts at GPS coordinate of 36.270275,-97.327778, and ends at GPS coordinate of 35.11271,-92.428273, with a total length of 78.8 miles. The data collection from the Missourii border to point A with a total length of 48.2 miles is missing.



IRI Data


IRI Summary for US65SB
LeftIRI
RightIRI
IRI(m/km)
Mileage(mile)


Left IRI Histogram for US65SB
Frequency (Left IRI)
Cumulative %
Frequency
0.98
1.82
2.65
3.49
4.32
5.16
5.99
6.83
7.67
8.50
More
Left IRI Bin (m/km)


Right IRI Histogram for US65SB
Frequency (Right IRI)
Cumulative %
Frequency
1.04
1.86
2.68
3.51
4.33
5.15
5.97
6.79
7.61
8.43
More
Right IRI Bin (m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0-48.2	Missing				
48.20	0	1	529	1.71	2.20
48.30	1	529	1057	1.52	1.65
48.40	2	1057	1585	2.29	2.48
48.50	3	1585	2113	2.15	2.19
48.60	4	2113	2641	2.15	2.23
48.70	5	2641	3169	1.54	1.66
48.80	6	3169	3697	1.67	1.86
48.90	7	3697	4225	1.33	1.52
49.00	8	4225	4753	1.48	1.52
49.10	9	4753	5281	1.30	1.45
49.20	10	5281	5809	1.40	1.42
49.30	11	5809	6337	1.38	1.48
49.40	12	6337	6865	1.35	1.53
49.50	13	6865	7393	1.33	1.28
49.60	14	7393	7921	1.64	1.61
49.70	15	7921	8449	1.62	1.52
49.80	16	8449	8977	1.62	1.68
49.90	17	8977	9505	1.47	1.59
50.00	18	9505	10033	1.54	1.52
50.10	19	10033	10561	1.32	1.33
50.20	20	10561	11089	1.61	1.68
50.30	21	11089	11617	1.43	1.62
50.40	22	11617	12145	1.46	1.51
50.50	23	12145	12673	2.39	2.50
50.60	24	12673	13201	1.42	1.45
50.70	25	13201	13729	1.61	1.68
50.80	26	13729	14257	1.61	1.78
50.90	27	14257	14785	1.27	1.28
51.00	28	14785	15313	1.11	1.23
51.10	29	15313	15841	1.52	1.38
51.20	30	15841	16369	1.33	1.49
51.30	31	16369	16897	1.03	1.04
51.40	32	16897	17425	1.03	1.06
51.50	33	17425	17953	1.19	1.42
51.60	34	17953	18481	1.64	1.90
51.70	35	18481	19009	1.36	1.43
51.80	36	19009	19537	1.35	1.59
51.90	37	19537	20065	2.43	2.29
52.00	38	20065	20593	3.03	3.17
52.10	39	20593	21121	3.20	3.33
52.20	40	21121	21649	3.76	3.88

52.30	41	21649	22177	2.42	2.45
52.40	42	22177	22705	2.86	2.76
52.50	43	22705	23233	2.37	2.36
52.60	44	23233	23761	2.11	2.12
52.70	45	23761	24289	2.78	2.89
52.80	46	24289	24817	2.33	2.55
52.90	47	24817	25345	2.24	1.99
53.00	48	25345	25873	2.14	2.01
53.10	49	25873	26401	2.31	2.27
53.20	50	26401	26929	1.91	2.03
53.30	51	26929	27457	2.51	2.37
53.40	52	27457	27985	1.89	2.34
53.50	53	27985	28513	1.55	1.54
53.60	54	28513	29041	1.94	2.21
53.70	55	29041	29569	2.09	2.19
53.80	56	29569	30097	1.74	1.71
53.90	57	30097	30625	1.71	1.82
54.00	58	30625	31153	1.49	1.52
54.10	59	31153	31681	1.67	1.73
54.20	60	31681	32209	2.00	2.02
54.30	61	32209	32737	2.66	2.44
54.40	62	32737	33265	2.60	2.60
54.50	63	33265	33793	2.24	2.67
54.60	64	33793	34321	2.71	2.92
54.70	65	34321	34849	2.55	2.85
54.80	0	1	529	1.71	1.84
54.90	1	529	1057	2.25	2.19
55.00	2	1057	1585	2.95	2.86
55.10	3	1585	2113	1.72	1.71
55.20	4	2113	2641	1.49	1.41
55.30	5	2641	3169	1.42	1.72
55.40	6	3169	3697	2.83	2.76
55.50	7	3697	4225	1.55	1.75
55.60	8	4225	4753	1.63	1.78
55.70	9	4753	5281	1.94	1.97
55.80	10	5281	5809	1.67	1.66
55.90	11	5809	6337	1.97	2.12
56.00	12	6337	6865	2.06	1.93
56.10	13	6865	7393	3.97	3.76
56.20	14	7393	7921	5.02	4.53
56.30	15	7921	8449	1.97	2.01
56.40	16	8449	8977	1.62	1.48
56.50	17	8977	9505	2.08	1.95

56.60	18	9505	10033	2.25	2.16
56.70	19	10033	10561	2.01	2.03
56.80	20	10561	11089	1.86	1.83
56.90	21	11089	11617	2.03	2.06
57.00	22	11617	12145	1.66	1.64
57.10	23	12145	12673	1.61	1.64
57.20	24	12673	13201	2.19	2.17
57.30	25	13201	13729	2.00	1.86
57.40	26	13729	14257	2.07	1.85
57.50	27	14257	14785	1.59	1.70
57.60	28	14785	15313	1.87	2.24
57.70	29	15313	15841	2.01	2.03
57.80	30	15841	16369	1.47	1.42
57.90	31	16369	16897	1.63	1.60
58.00	32	16897	17425	1.80	1.79
58.10	33	17425	17953	1.86	1.91
58.20	34	17953	18481	1.69	1.86
58.30	35	18481	19009	2.31	2.34
58.40	36	19009	19537	1.52	1.81
58.50	37	19537	20065	3.27	3.38
58.60	38	20065	20593	1.34	1.41
58.70	39	20593	21121	1.27	1.41
58.80	40	21121	21649	1.80	1.85
58.90	41	21649	22177	1.77	1.75
59.00	42	22177	22705	1.62	1.88
59.10	43	22705	23233	1.45	1.66
59.20	44	23233	23761	1.57	1.80
59.30	45	23761	24289	1.37	1.39
59.40	46	24289	24817	1.69	1.68
59.50	47	24817	25345	1.28	1.24
59.60	48	25345	25873	1.50	1.39
59.70	49	25873	26401	1.79	2.01
59.80	50	26401	26929	1.23	1.46
59.90	51	26929	27457	1.59	1.58
60.00	52	27457	27985	1.30	1.23
60.10	53	27985	28513	1.43	1.38
60.20	54	28513	29041	2.23	2.21
60.30	55	29041	29569	2.22	2.21
60.40	56	29569	30097	1.68	1.67
60.50	57	30097	30625	3.22	3.31
60.60	58	30625	31153	3.01	3.28
60.70	59	31153	31681	5.20	4.58
60.80	60	31681	32209	3.48	3.69

60.90	61	32209	32737	2.74	2.82
61.00	62	32737	33265	2.49	3.03
61.10	63	33265	33793	3.38	3.34
61.20	64	33793	34321	2.97	3.74
61.30	65	34321	34849	3.52	4.17
61.40	66	34849	35377	3.56	4.32
61.50	67	35377	35905	4.12	5.20
61.60	68	35905	36433	4.39	4.50
61.70	69	36433	36961	3.67	3.78
61.80	70	36961	37489	4.26	4.27
61.90	71	37489	38017	4.17	4.45
62.00	72	38017	38545	4.32	3.88
62.10	73	38545	39073	3.80	3.69
62.20	74	39073	39601	5.54	5.00
62.30	75	39601	40129	4.92	4.96
62.40	76	40129	40657	5.48	6.67
62.50	77	40657	41185	5.20	4.90
62.60	78	41185	41713	3.67	3.42
62.70	79	41713	42241	4.02	4.54
62.80	80	42241	42769	4.17	4.70
62.90	81	42769	43297	4.28	4.57
63.00	82	43297	43825	5.20	5.87
63.10	83	43825	44353	2.92	3.16
63.20	84	44353	44881	4.22	4.10
63.30	85	44881	45409	2.70	2.86
63.40	86	45409	45937	3.86	4.01
63.50	87	45937	46465	4.25	4.36
63.60	88	46465	46993	2.71	2.82
63.70	89	46993	47521	1.93	2.10
63.80	90	47521	48049	2.62	2.57
63.90	91	48049	48577	2.20	2.12
64.00	92	48577	49105	3.61	3.46
64.10	93	49105	49633	3.73	3.52
64.20	94	49633	50161	2.46	2.46
64.30	95	50161	50689	2.80	2.71
64.40	96	50689	51217	1.61	1.54
64.50	97	51217	51745	2.14	2.69
64.60	98	51745	52273	1.74	1.65
64.70	99	52273	52801	1.65	1.52
64.80	100	52801	53329	2.16	1.97
64.90	101	53329	53857	2.16	2.14
65.00	102	53857	54385	1.86	1.72
65.10	103	54385	54913	1.78	1.58

65.20	104	54913	55441	1.95	1.74
65.30	105	55441	55969	1.42	1.35
65.40	106	55969	56497	2.24	2.00
65.50	107	56497	57025	1.53	1.39
65.60	108	57025	57553	1.59	1.38
65.70	109	57553	58081	1.62	1.42
65.80	110	58081	58609	2.09	1.88
65.90	111	58609	59137	1.94	1.93
66.00	112	59137	59665	1.89	1.73
66.10	113	59665	60193	1.39	1.58
66.20	114	60193	60721	1.30	1.26
66.30	115	60721	61249	1.87	1.84
66.40	116	61249	61777	1.51	1.43
66.50	117	61777	62305	1.44	1.43
66.60	118	62305	62833	1.33	1.37
66.70	119	62833	63361	1.46	1.56
66.80	120	63361	63889	1.77	1.77
66.90	121	63889	64417	1.31	1.55
67.00	122	64417	64945	1.75	1.89
67.10	123	64945	65473	1.49	1.58
67.20	124	65473	66001	1.66	1.74
67.30	125	66001	66529	3.27	2.96
67.40	126	66529	67057	1.73	1.55
67.50	127	67057	67585	1.57	1.41
67.60	128	67585	68113	1.63	1.52
67.70	129	68113	68641	1.50	1.39
67.80	130	68641	69169	1.46	1.38
67.90	131	69169	69697	1.53	1.61
68.00	132	69697	70225	1.77	1.99
68.10	133	70225	70753	2.34	2.10
68.20	134	70753	71281	1.82	1.69
68.30	135	71281	71809	1.83	1.49
68.40	136	71809	72337	1.65	1.66
68.50	137	72337	72865	1.75	1.70
68.60	138	72865	73393	2.79	2.94
68.70	139	73393	73921	2.56	2.66
68.80	140	73921	74449	1.96	1.87
68.90	141	74449	74977	1.82	1.89
69.00	142	74977	75505	1.34	1.48
69.10	143	75505	76033	1.53	1.56
69.20	144	76033	76561	1.40	1.44
69.30	145	76561	77089	1.34	1.37
69.40	146	77089	77617	1.45	1.32

69.50	147	77617	78145	1.51	1.54
69.60	148	78145	78673	1.74	1.77
69.70	149	78673	79201	1.40	1.44
69.80	150	79201	79729	1.79	1.96
69.90	151	79729	80257	1.75	1.76
70.00	152	80257	80785	1.68	1.63
70.10	153	80785	81313	1.42	1.47
70.20	154	81313	81841	1.42	1.56
70.30	155	81841	82369	1.48	1.38
70.40	156	82369	82897	2.74	2.50
70.50	157	82897	83425	1.73	1.65
70.60	158	83425	83953	2.02	2.01
70.70	159	83953	84481	1.65	1.68
70.80	160	84481	85009	1.63	1.78
70.90	161	85009	85537	3.04	3.10
71.00	162	85537	86065	1.86	2.26
71.10	163	86065	86593	1.58	2.05
71.20	164	86593	87121	1.69	1.85
71.30	165	87121	87649	1.70	1.55
71.40	166	87649	88177	1.49	1.90
71.50	167	88177	88705	1.58	1.68
71.60	168	88705	89233	1.82	1.83
71.70	169	89233	89761	2.44	2.27
71.80	170	89761	90289	1.61	1.70
71.90	171	90289	90817	1.46	1.48
72.00	172	90817	91345	1.50	1.49
72.10	173	91345	91873	1.43	1.45
72.20	174	91873	92401	1.33	1.55
72.30	175	92401	92929	2.34	2.32
72.40	176	92929	93457	1.50	1.59
72.50	177	93457	93985	1.38	1.49
72.60	178	93985	94513	1.84	1.81
72.70	179	94513	95041	1.57	1.55
72.80	180	95041	95569	1.44	1.55
72.90	181	95569	96097	1.71	1.89
73.00	182	96097	96625	1.68	1.85
73.10	183	96625	97153	2.22	2.19
73.20	184	97153	97681	1.81	1.84
73.30	185	97681	98209	5.04	4.94
73.40	186	98209	98737	2.53	2.61
73.50	187	98737	99265	3.15	4.26
73.60	188	99265	99793	2.20	2.68
73.70	189	99793	100321	3.69	4.02

73.80	190	100321	100849	2.92	2.71
73.90	191	100849	101377	2.58	2.58
74.00	192	101377	101905	2.10	2.07
74.10	193	101905	102433	1.87	1.72
74.20	194	102433	102961	1.82	1.74
74.30	195	102961	103489	1.69	1.50
74.40	196	103489	104017	2.05	2.20
74.50	197	104017	104545	3.11	2.97
74.60	198	104545	105073	2.62	2.72
74.70	199	105073	105601	2.36	2.26
74.80	200	105601	106129	2.56	2.33
74.90	201	106129	106657	2.46	2.66
75.00	202	106657	107185	1.63	1.83
75.10	203	107185	107713	1.74	1.69
75.20	204	107713	108241	1.44	1.35
75.30	205	108241	108769	1.70	1.81
75.40	206	108769	109297	1.69	1.72
75.50	207	109297	109825	1.52	1.80
75.60	208	109825	110353	3.10	2.82
75.70	209	110353	110881	2.75	3.19
75.80	210	110881	111409	2.30	2.67
75.90	211	111409	111937	3.97	3.72
76.00	212	111937	112465	1.95	2.54
76.10	213	112465	112993	2.27	2.10
76.20	214	112993	113521	2.80	2.79
76.30	215	113521	114049	1.77	2.19
76.40	216	114049	114577	2.74	2.66
76.50	217	114577	115105	1.58	1.78
76.60	218	115105	115633	3.53	4.27
76.70	219	115633	116161	1.88	2.28
76.80	220	116161	116689	1.91	2.15
76.90	221	116689	117217	1.80	1.83
77.00	222	117217	117745	2.42	2.86
77.10	223	117745	118273	1.87	1.95
77.20	224	118273	118801	2.34	1.95
77.30	225	118801	119329	2.43	2.39
77.40	226	119329	119857	2.32	2.44
77.50	227	119857	120385	1.98	2.13
77.60	228	120385	120913	2.53	2.70
77.70	229	120913	121441	2.85	2.38
77.80	230	121441	121969	2.20	2.00
77.90	231	121969	122497	2.54	2.29
78.00	232	122497	123025	1.74	2.03

78.10	233	123025	123553	3.30	2.61
78.20	234	123553	124081	2.11	2.60
78.30	235	124081	124609	2.70	3.00
78.40	236	124609	125137	1.89	1.84
78.50	237	125137	125665	2.07	2.02
78.60	238	125665	126193	1.63	1.62
78.70	239	126193	126721	1.55	1.81
78.80	240	126721	127249	1.74	1.77
78.90	241	127249	127777	1.59	1.67
79.00	242	127777	128305	2.41	2.43
79.10	243	128305	128833	2.42	2.73
79.20	244	128833	129361	2.28	2.20
79.30	245	129361	129889	2.26	2.38
79.40	246	129889	130417	1.76	1.96
79.50	247	130417	130945	1.57	1.91
79.60	248	130945	131473	2.41	2.77
79.70	249	131473	132001	2.00	2.06
79.80	250	132001	132529	1.84	1.61
79.90	251	132529	133057	1.56	1.52
80.00	252	133057	133585	1.83	1.70
80.10	253	133585	134113	2.00	1.88
80.20	254	134113	134641	1.87	2.02
80.30	255	134641	135169	2.15	2.22
80.40	256	135169	135697	1.89	1.62
80.50	257	135697	136225	0.98	1.08
80.60	258	136225	136753	1.14	1.14
80.70	259	136753	137281	1.10	1.24
80.80	260	137281	137809	1.79	1.65
80.90	261	137809	138337	1.88	1.82
81.00	262	138337	138865	2.15	1.91
81.10	263	138865	139393	2.03	2.14
81.20	264	139393	139921	1.53	1.85
81.30	265	139921	140449	1.73	1.97
81.40	266	140449	140977	1.56	2.13
81.50	267	140977	141505	1.67	1.80
81.60	268	141505	142033	3.16	3.48
81.70	269	142033	142561	2.07	1.97
81.80	270	142561	143089	1.56	1.66
81.90	271	143089	143617	1.67	2.02
82.00	272	143617	144145	1.99	2.01
82.10	273	144145	144673	1.73	2.13
82.20	274	144673	145201	2.33	2.96
82.30	275	145201	145729	2.14	2.08

82.40	276	145729	146257	1.77	2.39
82.50	277	146257	146785	3.18	3.77
82.60	278	146785	147313	1.89	2.14
82.70	279	147313	147841	1.95	2.34
82.80	280	147841	148369	1.72	2.01
82.90	281	148369	148897	2.36	2.19
83.00	282	148897	149425	1.70	1.98
83.10	283	149425	149953	2.08	2.43
83.20	284	149953	150481	2.16	2.69
83.30	285	150481	151009	2.60	2.65
83.40	286	151009	151537	1.89	1.83
83.50	287	151537	152065	2.24	2.36
83.60	288	152065	152593	2.77	2.81
83.70	289	152593	153121	1.53	1.62
83.80	290	153121	153649	2.31	2.19
83.90	291	153649	154177	1.71	1.85
84.00	292	154177	154705	1.36	1.48
84.10	293	154705	155233	1.37	1.43
84.20	294	155233	155761	1.51	1.52
84.30	295	155761	156289	1.28	1.47
84.40	296	156289	156817	1.68	1.68
84.50	297	156817	157345	1.41	1.35
84.60	298	157345	157873	1.83	1.75
84.70	299	157873	158401	1.20	1.30
84.80	300	158401	158929	1.62	1.45
84.90	301	158929	159457	1.44	1.57
85.00	302	159457	159985	1.40	1.58
85.10	303	159985	160513	1.20	1.32
85.20	304	160513	161041	1.34	1.43
85.30	305	161041	161569	1.38	1.44
85.40	306	161569	162097	1.71	1.84
85.50	307	162097	162625	2.13	2.06
85.60	308	162625	163153	1.40	1.46
85.70	309	163153	163681	1.32	1.23
85.80	310	163681	164209	1.65	1.66
85.90	311	164209	164737	1.39	1.45
86.00	312	164737	165265	1.56	1.62
86.10	313	165265	165793	2.15	1.99
86.20	314	165793	166321	1.33	1.36
86.30	315	166321	166849	1.77	1.86
86.40	316	166849	167377	2.07	2.15
86.50	317	167377	167905	1.67	1.83
86.60	318	167905	168433	1.24	1.39

86.70	319	168433	168961	1.68	1.85
86.80	320	168961	169489	1.72	1.85
86.90	321	169489	170017	1.58	1.93
87.00	322	170017	170545	1.43	1.56
87.10	323	170545	171073	1.48	1.52
87.20	324	171073	171601	1.78	1.75
87.30	325	171601	172129	1.76	1.81
87.40	326	172129	172657	1.63	1.65
87.50	327	172657	173185	1.59	1.67
87.60	328	173185	173713	2.00	2.00
87.70	329	173713	174241	1.41	1.44
87.80	330	174241	174769	1.51	1.44
87.90	331	174769	175297	1.67	1.57
88.00	332	175297	175825	1.67	1.56
88.10	333	175825	176353	1.69	1.91
88.20	334	176353	176881	1.55	1.81
88.30	335	176881	177409	1.65	1.95
88.40	336	177409	177937	1.57	1.56
88.50	337	177937	178465	1.41	1.48
88.60	338	178465	178993	1.54	1.62
88.70	339	178993	179521	1.47	1.72
88.80	340	179521	180049	2.36	2.17
88.90	341	180049	180577	1.79	1.85
89.00	342	180577	181105	4.79	5.21
89.10	343	181105	181633	2.29	2.33
89.20	344	181633	182161	2.01	1.86
89.30	345	182161	182689	2.04	1.98
89.40	346	182689	183217	2.85	2.82
89.50	347	183217	183745	2.71	3.71
89.60	348	183745	184273	2.14	2.76
89.70	349	184273	184801	2.34	3.24
89.80	350	184801	185329	2.79	3.84
89.90	351	185329	185857	3.38	5.14
90.00	352	185857	186385	4.73	5.65
90.10	353	186385	186913	2.52	3.37
90.20	354	186913	187441	2.04	2.40
90.30	355	187441	187969	2.69	3.03
90.40	356	187969	188497	2.90	3.18
90.50	357	188497	189025	4.10	3.93
90.60	358	189025	189553	3.09	2.88
90.70	359	189553	190081	2.51	2.60
90.80	360	190081	190609	3.07	2.87
90.90	361	190609	191137	3.14	3.02

91.00	362	191137	191665	2.43	2.82
91.10	363	191665	192193	2.62	2.60
91.20	364	192193	192721	2.62	2.36
91.30	365	192721	193249	2.42	2.34
91.40	366	193249	193777	2.98	3.02
91.50	367	193777	194305	2.78	3.07
91.60	368	194305	194833	3.24	3.47
91.70	369	194833	195361	3.17	3.29
91.80	370	195361	195889	2.83	2.93
91.90	371	195889	196417	2.28	2.42
92.00	372	196417	196945	2.16	2.29
92.10	373	196945	197473	1.98	2.24
92.20	374	197473	198001	2.65	2.54
92.30	375	198001	198529	1.70	2.08
92.40	376	198529	199057	2.81	2.90
92.50	377	199057	199585	3.51	4.30
92.60	378	199585	200113	3.20	5.09
92.70	379	200113	200641	2.44	2.33
92.80	380	200641	201169	2.10	2.08
92.90	381	201169	201697	2.69	2.87
93.00	382	201697	202225	3.62	3.02
93.10	383	202225	202753	2.60	3.17
93.20	384	202753	203281	3.32	3.12
93.30	385	203281	203809	3.62	2.99
93.40	386	203809	204337	4.63	4.45
93.50	387	204337	204865	3.77	3.99
93.60	388	204865	205393	1.85	1.84
93.70	389	205393	205921	1.60	1.90
93.80	390	205921	206449	1.92	1.81
93.90	391	206449	206977	2.25	2.21
94.00	392	206977	207505	2.67	2.61
94.10	393	207505	208033	2.38	2.49
94.20	394	208033	208561	2.86	2.57
94.30	395	208561	209089	3.14	2.89
94.40	396	209089	209617	5.57	5.72
94.50	397	209617	210145	3.36	3.61
94.60	398	210145	210673	3.77	3.61
94.70	399	210673	211201	2.87	2.42
94.80	400	211201	211729	2.60	2.84
94.90	401	211729	212257	2.56	3.04
95.00	402	212257	212785	3.14	2.64
95.10	403	212785	213313	4.42	4.66
95.20	404	213313	213841	3.71	3.85

95.30	405	213841	214369	2.81	2.90
95.40	406	214369	214897	2.56	2.43
95.50	407	214897	215425	1.98	2.31
95.60	408	215425	215953	2.40	2.77
95.70	409	215953	216481	2.31	3.75
95.80	410	216481	217009	1.93	2.14
95.90	411	217009	217537	1.89	2.75
96.00	412	217537	218065	2.19	2.31
96.10	413	218065	218593	2.18	2.45
96.20	414	218593	219121	2.42	3.29
96.30	415	219121	219649	2.85	3.33
96.40	416	219649	220177	2.20	2.37
96.50	417	220177	220705	2.02	2.13
96.60	418	220705	221233	1.98	2.05
96.70	419	221233	221761	2.00	2.27
96.80	420	221761	222289	2.23	2.42
96.90	421	222289	222817	2.14	2.39
97.00	422	222817	223345	2.23	2.45
97.10	423	223345	223873	2.20	2.16
97.20	424	223873	224401	2.22	2.35
97.30	425	224401	224929	3.15	3.60
97.40	426	224929	225457	3.92	2.92
97.50	427	225457	225985	2.92	2.84
97.60	428	225985	226513	2.82	2.49
97.70	429	226513	227041	2.87	2.81
97.80	430	227041	227569	4.20	3.83
97.90	431	227569	228097	2.95	2.71
98.00	432	228097	228625	2.83	2.89
98.10	433	228625	229153	2.03	2.16
98.20	434	229153	229681	1.87	2.02
98.30	435	229681	230209	1.95	2.11
98.40	436	230209	230737	1.92	1.93
98.50	437	230737	231265	2.12	2.00
98.60	438	231265	231793	1.94	2.24
98.70	439	231793	232321	1.73	2.38
98.80	440	232321	232849	2.54	2.79
98.90	441	232849	233377	1.78	1.85
99.00	442	233377	233905	2.22	2.17
99.10	443	233905	234433	1.90	1.81
99.20	444	234433	234961	1.87	2.01
99.30	445	234961	235489	1.87	1.93
99.40	446	235489	236017	2.33	1.79
99.50	447	236017	236545	3.00	2.69

99.60	448	236545	237073	2.08	1.97
99.70	449	237073	237601	1.65	1.62
99.80	450	237601	238129	1.75	1.87
99.90	451	238129	238657	1.62	1.88
100.00	452	238657	239185	1.74	1.74
100.10	453	239185	239713	1.64	1.62
100.20	454	239713	240241	1.66	1.59
100.30	455	240241	240769	1.42	1.59
100.40	456	240769	241297	1.36	1.28
100.50	457	241297	241825	1.33	1.38
100.60	458	241825	242353	1.64	1.76
100.70	459	242353	242881	1.74	1.59
100.80	460	242881	243409	1.45	1.39
100.90	461	243409	243937	1.89	1.78
101.00	462	243937	244465	2.00	1.91
101.10	463	244465	244993	3.25	3.07
101.20	464	244993	245521	3.45	3.74
101.30	465	245521	246049	3.57	3.43
101.40	466	246049	246577	4.02	4.84
101.50	467	246577	247105	4.56	4.86
101.60	468	247105	247633	4.33	3.57
101.70	469	247633	248161	4.76	4.37
101.80	470	248161	248689	2.82	2.24
101.90	471	248689	249217	2.91	2.68
102.00	472	249217	249745	3.37	3.01
102.10	473	249745	250273	4.16	2.96
102.20	474	250273	250801	3.20	2.90
102.30	475	250801	251329	2.75	2.16
102.40	476	251329	251857	3.32	3.12
102.50	477	251857	252385	2.49	2.52
102.60	478	252385	252913	4.40	4.58
102.70	479	252913	253441	3.15	3.08
102.80	480	253441	253969	2.98	2.95
102.90	481	253969	254497	2.39	2.33
103.00	482	254497	255025	3.36	3.30
103.10	483	255025	255553	3.43	3.20
103.20	484	255553	256081	3.46	3.29
103.30	485	256081	256609	4.79	4.18
103.40	486	256609	257137	3.57	3.65
103.50	487	257137	257665	3.32	3.53
103.60	488	257665	258193	3.25	3.44
103.70	489	258193	258721	4.16	3.71
103.80	490	258721	259249	3.18	3.22

103.90	491	259249	259777	4.19	4.58
104.00	492	259777	260305	3.45	3.65
104.10	493	260305	260833	1.35	1.39
104.20	494	260833	261361	1.76	1.77
104.30	495	261361	261889	3.18	3.05
104.40	496	261889	262417	1.86	1.58
104.50	497	262417	262945	1.99	2.06
104.60	498	262945	263473	1.72	1.76
104.70	499	263473	264001	1.91	1.94
104.80	500	264001	264529	1.49	1.46
104.90	501	264529	265057	2.57	2.61
105.00	502	265057	265585	8.50	8.43
105.10	503	265585	266113	1.49	1.56
105.20	504	266113	266641	1.82	1.62
105.30	505	266641	267169	2.32	2.51
105.40	506	267169	267697	2.25	2.33
105.50	507	267697	268225	2.73	3.14
105.60	508	268225	268753	2.62	2.63
105.70	509	268753	269281	2.56	2.69
105.80	510	269281	269809	3.03	3.21
105.90	511	269809	270337	2.26	2.22
106.00	512	270337	270865	2.16	1.53
106.10	513	270865	271393	1.86	1.68
106.20	514	271393	271921	1.96	1.79
106.30	515	271921	272449	2.62	2.70
106.40	516	272449	272977	2.91	2.54
106.50	517	272977	273505	3.10	2.60
106.60	518	273505	274033	2.04	1.85
106.70	519	274033	274561	3.17	2.93
106.80	520	274561	275089	2.44	2.26
106.90	521	275089	275617	2.53	2.10
107.00	522	275617	276145	2.65	2.29
107.10	523	276145	276673	2.54	2.29
107.20	524	276673	277201	3.55	3.22
107.30	525	277201	277729	3.03	2.22
107.40	526	277729	278257	2.63	2.24
107.50	527	278257	278785	2.50	2.07
107.60	528	278785	279313	3.39	3.07
107.70	529	279313	279841	3.37	2.62
107.80	530	279841	280369	2.76	2.28
107.90	531	280369	280897	2.53	1.75
108.00	532	280897	281425	2.65	1.67
108.10	533	281425	281953	2.54	2.30

108.20	534	281953	282481	2.07	2.22
108.30	535	282481	283009	1.81	1.66
108.40	536	283009	283537	2.75	2.73
108.50	537	283537	284065	2.22	2.41
108.60	538	284065	284593	1.41	1.45
108.70	539	284593	285121	1.72	1.73
108.80	540	285121	285649	1.90	2.05
108.90	541	285649	286177	1.82	1.87
109.00	542	286177	286705	1.57	1.39
109.10	543	286705	287233	2.20	2.21
109.20	544	287233	287761	1.52	1.47
109.30	545	287761	288289	1.34	1.47
109.40	546	288289	288817	1.59	1.26
109.50	547	288817	289345	1.68	1.49
109.60	548	289345	289873	2.10	2.18
109.70	549	289873	290401	3.23	3.44
109.80	550	290401	290929	1.46	1.43
109.90	551	290929	291457	1.87	1.99
110.00	552	291457	291985	1.54	1.56
110.10	553	291985	292513	1.40	1.37
110.20	554	292513	293041	1.44	1.30
110.30	555	293041	293569	1.24	1.32
110.40	556	293569	294097	1.44	1.35
110.50	557	294097	294625	1.32	1.26
110.60	558	294625	295153	1.28	1.19
110.70	559	295153	295681	1.23	1.28
110.80	560	295681	296209	1.27	1.43
110.90	561	296209	296737	1.13	1.31
111.00	562	296737	297265	1.19	1.22
111.10	563	297265	297793	2.43	2.52
111.20	564	297793	298321	1.79	1.80
111.30	565	298321	298849	1.43	1.37
111.40	566	298849	299377	1.20	1.13
111.50	567	299377	299905	1.41	1.49
111.60	568	299905	300433	1.36	1.44
111.70	569	300433	300961	1.77	1.66
111.80	570	300961	301489	1.87	1.80
111.90	571	301489	302017	1.67	2.08
112.00	572	302017	302545	1.50	1.46
112.10	573	302545	303073	1.31	1.25
112.20	574	303073	303601	1.19	1.25
112.30	575	303601	304129	1.42	1.32
112.40	576	304129	304657	1.61	1.66

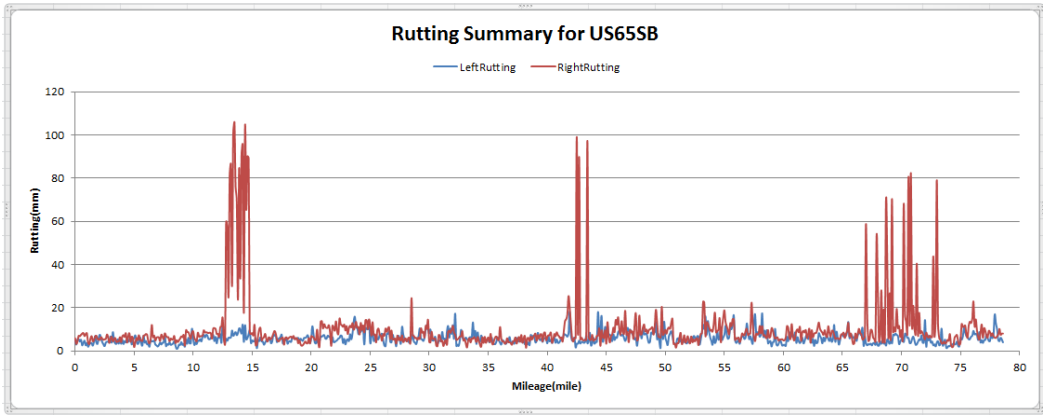
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112.60	578	305185	305713	4.53	4.75
112.70	579	305713	306241	1.68	1.66
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112.90	581	306769	307297	1.64	1.69
113.00	582	307297	307825	1.64	1.82
113.10	583	307825	308353	1.86	1.90
113.20	584	308353	308881	1.85	1.81
113.30	585	308881	309409	1.60	1.50
113.40	586	309409	309937	1.69	1.57
113.50	587	309937	310465	2.05	1.96
113.60	588	310465	310993	1.87	1.84
113.70	589	310993	311521	2.04	1.99
113.80	590	311521	312049	3.09	3.12
113.90	591	312049	312577	1.58	1.44
114.00	592	312577	313105	1.60	1.69
114.10	593	313105	313633	1.36	1.34
114.20	594	313633	314161	1.60	1.69
114.30	595	314161	314689	1.35	1.39
114.40	596	314689	315217	1.72	1.62
114.50	597	315217	315745	1.42	1.38
114.60	598	315745	316273	1.23	1.17
114.70	599	316273	316801	1.82	1.64
114.80	600	316801	317329	4.09	4.70
114.90	601	317329	317857	2.55	2.76
115.00	602	317857	318385	2.28	2.52
115.10	603	318385	318913	2.53	2.57
115.20	604	318913	319441	2.35	2.34
115.30	605	319441	319969	1.79	1.76
115.40	606	319969	320497	1.78	2.04
115.50	607	320497	321025	1.85	1.77
115.60	608	321025	321553	2.35	2.50
115.70	609	321553	322081	2.01	2.16
115.80	610	322081	322609	2.04	2.71
115.90	611	322609	323137	2.33	2.43
116.00	612	323137	323665	2.16	2.30
116.10	613	323665	324193	2.49	2.37
116.20	614	324193	324721	3.08	2.51
116.30	615	324721	325249	2.39	2.40
116.40	616	325249	325777	2.21	2.52
116.50	617	325777	326305	2.73	2.63
116.60	618	326305	326833	1.58	1.90
116.70	619	326833	327361	2.32	2.31

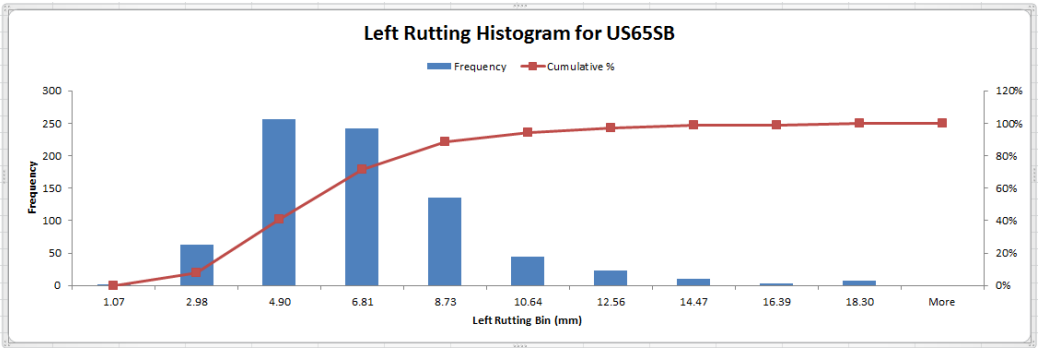
116.80	620	327361	327889	2.80	2.94
116.90	621	327889	328417	2.56	2.97
117.00	622	328417	328945	2.46	2.68
117.10	623	328945	329473	2.51	2.61
117.20	624	329473	330001	2.53	2.57
117.30	625	330001	330529	2.68	2.91
117.40	626	330529	331057	4.54	5.09
117.50	627	331057	331585	1.97	2.05
117.60	628	331585	332113	2.47	2.75
117.70	629	332113	332641	2.21	2.18
117.80	630	332641	333169	2.15	2.35
117.90	631	333169	333697	2.99	3.35
118.00	632	333697	334225	2.26	2.06
118.10	633	334225	334753	2.29	2.36
118.20	634	334753	335281	2.79	2.92
118.30	635	335281	335809	2.98	3.14
118.40	636	335809	336337	3.04	3.01
118.50	637	336337	336865	2.85	3.10
118.60	638	336865	337393	1.63	1.86
118.70	639	337393	337921	2.24	2.44
118.80	640	337921	338449	1.85	1.88
118.90	641	338449	338977	1.70	1.72
119.00	642	338977	339505	1.99	1.90
119.10	643	339505	340033	1.62	1.50
119.20	644	340033	340561	1.84	1.95
119.30	645	340561	341089	2.21	2.10
119.40	646	341089	341617	1.39	1.52
119.50	647	341617	342145	1.77	1.68
119.60	648	342145	342673	1.92	2.09
119.70	649	342673	343201	1.60	1.62
119.80	650	343201	343729	2.29	2.66
119.90	651	343729	344257	1.73	1.73
120.00	652	344257	344785	1.73	1.75
120.10	653	344785	345313	3.42	3.38
120.20	654	345313	345841	1.72	1.63
120.30	655	345841	346369	1.87	1.81
120.40	656	346369	346897	1.46	1.50
120.50	657	346897	347425	1.28	1.44
120.60	658	347425	347953	1.81	1.83
120.70	659	347953	348481	1.97	2.05
120.80	660	348481	349009	3.73	3.41
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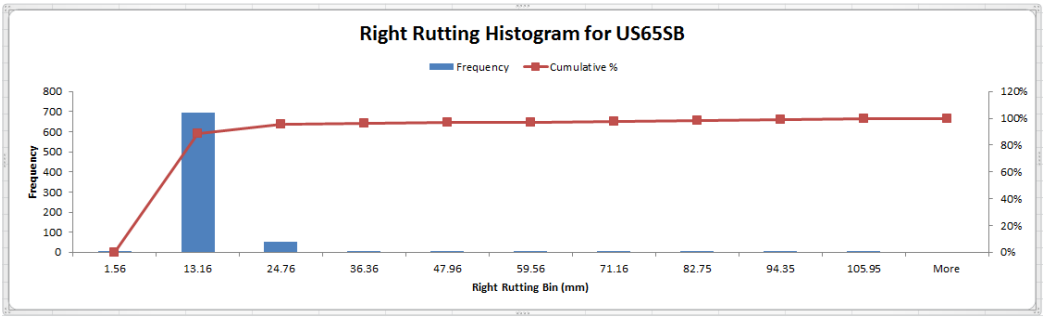
121.10	663	350065	350593	2.15	2.39
121.20	664	350593	351121	2.04	1.84
121.30	665	351121	351649	2.28	2.43
121.40	666	351649	352177	1.61	1.73
121.50	667	352177	352705	2.01	2.03
121.60	668	352705	353233	1.98	1.79
121.70	669	353233	353761	2.55	2.25
121.80	670	353761	354289	2.49	2.08
121.90	671	354289	354817	1.66	1.66
122.00	672	354817	355345	1.54	1.25
122.10	673	355345	355873	1.43	1.50
122.20	674	355873	356401	1.78	2.02
122.30	675	356401	356929	2.03	1.87
122.40	676	356929	357457	1.86	1.84
122.50	677	357457	357985	1.59	1.27
122.60	678	357985	358513	1.93	1.90
122.70	679	358513	359041	3.71	3.88
122.80	680	359041	359569	4.06	3.76
122.90	681	359569	360097	2.45	2.23
123.00	682	360097	360625	2.45	2.29
123.10	683	360625	361153	2.24	2.09
123.20	684	361153	361681	2.76	2.68
123.30	685	361681	362209	2.31	2.84
123.40	686	362209	362737	1.72	2.14
123.50	687	362737	363265	2.09	2.43
123.60	688	363265	363793	2.14	2.47
123.70	689	363793	364321	2.06	2.07
123.80	690	364321	364849	1.88	2.12
123.90	691	364849	365377	1.61	2.03
124.00	692	365377	365905	2.48	2.81
124.10	693	365905	366433	2.28	2.20
124.20	694	366433	366961	2.30	2.47
124.30	695	366961	367489	3.85	4.84
124.40	696	367489	368017	4.46	4.67
124.50	697	368017	368545	1.97	2.33
124.60	698	368545	369073	1.64	1.78
124.70	699	369073	369601	3.35	3.47
124.80	700	369601	370129	1.54	1.80
124.90	701	370129	370657	1.62	2.04
125.00	702	370657	371185	3.71	3.97
125.10	703	371185	371713	1.65	2.13
125.20	704	371713	372241	2.16	2.59
125.30	705	372241	372769	2.58	2.57

125.40	706	372769	373297	2.69	2.64
125.50	707	373297	373825	2.50	2.64
125.60	708	373825	374353	2.12	2.33
125.70	709	374353	374881	1.77	1.89
125.80	710	374881	375409	2.59	2.79
125.90	711	375409	375937	1.72	1.94
126.00	712	375937	376465	1.98	1.93
126.10	713	376465	376993	2.86	2.74
126.20	714	376993	377521	1.96	2.51
126.30	715	377521	378049	1.95	1.88
126.40	716	378049	378577	2.13	2.13
126.50	717	378577	379105	1.96	1.99
126.60	718	379105	379633	1.99	1.99
126.70	719	379633	380161	1.87	1.72
126.80	720	380161	380689	2.71	2.95

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0-48.2	Missing				
48.20	0	1	529	4.92	5.95
48.30	1	529	1057	3.05	3.34
48.40	2	1057	1585	5.37	4.64
48.50	3	1585	2113	5.63	7.09
48.60	4	2113	2641	4.41	6.88
48.70	5	2641	3169	5.27	7.55
48.80	6	3169	3697	2.73	8.08
48.90	7	3697	4225	3.83	8.36
49.00	8	4225	4753	4.84	6.98
49.10	9	4753	5281	2.70	7.96
49.20	10	5281	5809	3.75	8.31
49.30	11	5809	6337	2.04	3.87
49.40	12	6337	6865	2.95	3.25
49.50	13	6865	7393	3.64	5.70
49.60	14	7393	7921	3.77	6.93
49.70	15	7921	8449	2.54	4.61
49.80	16	8449	8977	4.40	5.16
49.90	17	8977	9505	6.98	6.71
50.00	18	9505	10033	3.93	7.18
50.10	19	10033	10561	3.31	5.52
50.20	20	10561	11089	6.30	5.66
50.30	21	11089	11617	7.60	5.13
50.40	22	11617	12145	5.98	6.46
50.50	23	12145	12673	4.13	5.77
50.60	24	12673	13201	3.21	5.26
50.70	25	13201	13729	2.28	5.51
50.80	26	13729	14257	3.97	5.61
50.90	27	14257	14785	4.37	7.70
51.00	28	14785	15313	4.32	6.41
51.10	29	15313	15841	4.19	3.76
51.20	30	15841	16369	6.83	5.69
51.30	31	16369	16897	3.91	6.65
51.40	32	16897	17425	8.82	4.54
51.50	33	17425	17953	4.82	5.33
51.60	34	17953	18481	3.60	6.15
51.70	35	18481	19009	3.41	4.26
51.80	36	19009	19537	5.49	4.61
51.90	37	19537	20065	3.48	4.51
52.00	38	20065	20593	6.26	6.47
52.10	39	20593	21121	3.45	4.16
52.20	40	21121	21649	5.31	6.80

52.30	41	21649	22177	3.29	7.43
52.40	42	22177	22705	4.69	6.54
52.50	43	22705	23233	4.05	8.29
52.60	44	23233	23761	5.78	3.97
52.70	45	23761	24289	4.30	6.85
52.80	46	24289	24817	5.35	8.27
52.90	47	24817	25345	6.43	4.31
53.00	48	25345	25873	3.07	6.70
53.10	49	25873	26401	5.14	5.96
53.20	50	26401	26929	6.01	1.94
53.30	51	26929	27457	7.33	3.92
53.40	52	27457	27985	4.84	6.12
53.50	53	27985	28513	3.27	4.97
53.60	54	28513	29041	4.05	7.38
53.70	55	29041	29569	6.43	5.39
53.80	56	29569	30097	3.61	4.90
53.90	57	30097	30625	2.60	4.75
54.00	58	30625	31153	7.16	7.12
54.10	59	31153	31681	3.93	7.26
54.20	60	31681	32209	4.72	7.95
54.30	61	32209	32737	3.12	7.58
54.40	62	32737	33265	3.26	4.56
54.50	63	33265	33793	2.04	3.56
54.60	64	33793	34321	4.98	5.46
54.70	65	34321	34849	4.53	12.12
54.80	0	1	529	4.54	6.45
54.90	1	529	1057	4.82	7.21
55.00	2	1057	1585	3.05	4.89
55.10	3	1585	2113	2.67	6.26
55.20	4	2113	2641	2.14	6.43
55.30	5	2641	3169	2.80	6.36
55.40	6	3169	3697	3.97	4.68
55.50	7	3697	4225	3.09	7.59
55.60	8	4225	4753	3.90	6.77
55.70	9	4753	5281	3.98	5.55
55.80	10	5281	5809	7.45	8.22
55.90	11	5809	6337	2.38	7.10
56.00	12	6337	6865	3.25	6.43
56.10	13	6865	7393	2.93	6.46
56.20	14	7393	7921	4.08	4.58
56.30	15	7921	8449	2.89	5.85
56.40	16	8449	8977	3.15	5.38
56.50	17	8977	9505	3.52	5.45

56.60	18	9505	10033	4.55	7.01
56.70	19	10033	10561	2.61	3.74
56.80	20	10561	11089	1.07	5.05
56.90	21	11089	11617	1.39	4.21
57.00	22	11617	12145	3.03	5.04
57.10	23	12145	12673	2.84	5.81
57.20	24	12673	13201	4.17	6.84
57.30	25	13201	13729	2.81	6.49
57.40	26	13729	14257	3.42	7.43
57.50	27	14257	14785	2.03	2.49
57.60	28	14785	15313	5.32	9.71
57.70	29	15313	15841	3.44	8.83
57.80	30	15841	16369	6.20	8.73
57.90	31	16369	16897	3.67	7.17
58.00	32	16897	17425	3.64	5.71
58.10	33	17425	17953	10.40	8.70
58.20	34	17953	18481	5.98	9.20
58.30	35	18481	19009	2.87	6.19
58.40	36	19009	19537	4.13	5.14
58.50	37	19537	20065	3.25	4.65
58.60	38	20065	20593	4.92	8.48
58.70	39	20593	21121	4.68	6.74
58.80	40	21121	21649	5.60	6.93
58.90	41	21649	22177	4.49	6.96
59.00	42	22177	22705	6.85	7.20
59.10	43	22705	23233	7.56	9.66
59.20	44	23233	23761	6.35	8.64
59.30	45	23761	24289	7.54	8.76
59.40	46	24289	24817	7.27	8.57
59.50	47	24817	25345	5.65	8.34
59.60	48	25345	25873	5.45	8.56
59.70	49	25873	26401	6.15	8.29
59.80	50	26401	26929	6.77	5.79
59.90	51	26929	27457	7.51	10.53
60.00	52	27457	27985	4.66	10.64
60.10	53	27985	28513	6.61	10.33
60.20	54	28513	29041	3.59	7.94
60.30	55	29041	29569	6.21	7.96
60.40	56	29569	30097	6.09	6.72
60.50	57	30097	30625	7.83	11.07
60.60	58	30625	31153	3.87	11.55
60.70	59	31153	31681	13.00	15.55
60.80	60	31681	32209	7.17	5.53

60.90	61	32209	32737	3.63	3.16
61.00	62	32737	33265	5.76	59.87
61.10	63	33265	33793	4.80	57.53
61.20	64	33793	34321	6.20	25.12
61.30	65	34321	34849	6.17	81.38
61.40	66	34849	35377	6.36	86.37
61.50	67	35377	35905	9.53	30.15
61.60	68	35905	36433	7.09	100.79
61.70	69	36433	36961	8.05	105.95
61.80	70	36961	37489	8.82	76.09
61.90	71	37489	38017	7.39	69.37
62.00	72	38017	38545	8.55	23.87
62.10	73	38545	39073	10.62	84.77
62.20	74	39073	39601	9.79	33.57
62.30	75	39601	40129	8.16	90.55
62.40	76	40129	40657	12.25	95.38
62.50	77	40657	41185	4.26	17.70
62.60	78	41185	41713	12.03	103.99
62.70	79	41713	42241	5.43	65.49
62.80	80	42241	42769	6.01	90.23
62.90	81	42769	43297	7.80	89.30
63.00	82	43297	43825	9.53	8.82
63.10	83	43825	44353	3.78	7.89
63.20	84	44353	44881	4.99	8.39
63.30	85	44881	45409	4.50	7.33
63.40	86	45409	45937	4.61	12.23
63.50	87	45937	46465	5.98	2.66
63.60	88	46465	46993	1.35	3.01
63.70	89	46993	47521	5.15	7.06
63.80	90	47521	48049	4.60	10.10
63.90	91	48049	48577	6.42	10.80
64.00	92	48577	49105	4.51	5.01
64.10	93	49105	49633	4.48	5.94
64.20	94	49633	50161	2.97	6.49
64.30	95	50161	50689	3.98	8.01
64.40	96	50689	51217	4.96	5.60
64.50	97	51217	51745	4.58	4.44
64.60	98	51745	52273	5.21	6.37
64.70	99	52273	52801	6.24	5.89
64.80	100	52801	53329	3.63	5.50
64.90	101	53329	53857	4.57	6.67
65.00	102	53857	54385	7.69	8.11
65.10	103	54385	54913	7.18	9.33

65.20	104	54913	55441	7.50	8.01
65.30	105	55441	55969	4.17	5.41
65.40	106	55969	56497	5.50	4.57
65.50	107	56497	57025	5.98	4.74
65.60	108	57025	57553	6.54	5.60
65.70	109	57553	58081	7.61	5.95
65.80	110	58081	58609	3.60	6.23
65.90	111	58609	59137	5.24	2.97
66.00	112	59137	59665	4.99	6.07
66.10	113	59665	60193	5.93	6.44
66.20	114	60193	60721	3.45	5.51
66.30	115	60721	61249	4.45	6.11
66.40	116	61249	61777	4.64	6.51
66.50	117	61777	62305	4.29	6.71
66.60	118	62305	62833	6.40	6.00
66.70	119	62833	63361	6.02	7.03
66.80	120	63361	63889	6.17	5.45
66.90	121	63889	64417	5.58	5.93
67.00	122	64417	64945	5.72	5.98
67.10	123	64945	65473	6.14	3.65
67.20	124	65473	66001	4.64	5.07
67.30	125	66001	66529	5.77	3.11
67.40	126	66529	67057	5.12	2.49
67.50	127	67057	67585	4.78	2.80
67.60	128	67585	68113	6.18	3.56
67.70	129	68113	68641	6.05	4.45
67.80	130	68641	69169	6.50	3.68
67.90	131	69169	69697	7.42	3.70
68.00	132	69697	70225	5.69	5.97
68.10	133	70225	70753	3.63	3.52
68.20	134	70753	71281	5.84	6.90
68.30	135	71281	71809	11.48	6.64
68.40	136	71809	72337	7.95	6.37
68.50	137	72337	72865	4.01	5.25
68.60	138	72865	73393	3.56	5.20
68.70	139	73393	73921	5.24	9.94
68.80	140	73921	74449	3.69	3.86
68.90	141	74449	74977	4.08	1.98
69.00	142	74977	75505	6.76	13.52
69.10	143	75505	76033	6.67	13.91
69.20	144	76033	76561	7.20	10.48
69.30	145	76561	77089	7.41	12.49
69.40	146	77089	77617	5.84	11.18

69.50	147	77617	78145	5.77	10.78
69.60	148	78145	78673	7.17	10.78
69.70	149	78673	79201	6.62	11.99
69.80	150	79201	79729	6.51	8.68
69.90	151	79729	80257	3.39	2.40
70.00	152	80257	80785	6.49	11.78
70.10	153	80785	81313	4.22	11.01
70.20	154	81313	81841	4.26	9.51
70.30	155	81841	82369	4.68	13.80
70.40	156	82369	82897	5.07	9.08
70.50	157	82897	83425	5.86	7.86
70.60	158	83425	83953	6.06	15.10
70.70	159	83953	84481	7.31	12.43
70.80	160	84481	85009	6.88	11.96
70.90	161	85009	85537	3.76	11.27
71.00	162	85537	86065	5.67	12.30
71.10	163	86065	86593	3.12	9.57
71.20	164	86593	87121	5.04	11.57
71.30	165	87121	87649	5.56	7.89
71.40	166	87649	88177	4.64	10.73
71.50	167	88177	88705	7.83	11.78
71.60	168	88705	89233	5.45	10.98
71.70	169	89233	89761	8.20	12.98
71.80	170	89761	90289	13.66	9.92
71.90	171	90289	90817	15.91	11.46
72.00	172	90817	91345	10.84	13.55
72.10	173	91345	91873	10.90	10.79
72.20	174	91873	92401	7.88	11.17
72.30	175	92401	92929	8.44	7.70
72.40	176	92929	93457	8.97	13.07
72.50	177	93457	93985	9.87	9.82
72.60	178	93985	94513	10.50	11.90
72.70	179	94513	95041	3.09	8.65
72.80	180	95041	95569	10.74	14.36
72.90	181	95569	96097	10.32	14.27
73.00	182	96097	96625	10.13	10.17
73.10	183	96625	97153	14.17	14.69
73.20	184	97153	97681	3.79	11.52
73.30	185	97681	98209	6.56	7.22
73.40	186	98209	98737	9.13	13.39
73.50	187	98737	99265	4.75	7.45
73.60	188	99265	99793	5.17	7.71
73.70	189	99793	100321	7.35	4.00

73.80	190	100321	100849	5.66	9.66
73.90	191	100849	101377	5.51	10.44
74.00	192	101377	101905	7.63	7.78
74.10	193	101905	102433	7.25	7.07
74.20	194	102433	102961	8.06	4.85
74.30	195	102961	103489	4.95	7.86
74.40	196	103489	104017	2.57	7.16
74.50	197	104017	104545	2.32	10.46
74.60	198	104545	105073	7.94	8.95
74.70	199	105073	105601	8.00	10.50
74.80	200	105601	106129	9.03	11.06
74.90	201	106129	106657	4.23	5.53
75.00	202	106657	107185	4.07	9.56
75.10	203	107185	107713	7.59	5.45
75.20	204	107713	108241	5.78	5.45
75.30	205	108241	108769	5.04	5.81
75.40	206	108769	109297	2.27	3.53
75.50	207	109297	109825	6.26	7.18
75.60	208	109825	110353	7.16	5.11
75.70	209	110353	110881	5.45	6.21
75.80	210	110881	111409	3.56	4.88
75.90	211	111409	111937	11.30	7.31
76.00	212	111937	112465	7.63	4.18
76.10	213	112465	112993	5.79	5.27
76.20	214	112993	113521	5.03	5.91
76.30	215	113521	114049	4.59	4.46
76.40	216	114049	114577	5.41	5.87
76.50	217	114577	115105	3.84	6.19
76.60	218	115105	115633	4.18	3.62
76.70	219	115633	116161	5.89	24.54
76.80	220	116161	116689	7.72	7.43
76.90	221	116689	117217	4.42	7.02
77.00	222	117217	117745	3.90	5.98
77.10	223	117745	118273	3.26	6.21
77.20	224	118273	118801	5.29	5.31
77.30	225	118801	119329	7.12	6.28
77.40	226	119329	119857	10.56	5.69
77.50	227	119857	120385	5.64	10.57
77.60	228	120385	120913	5.43	8.55
77.70	229	120913	121441	4.71	8.98
77.80	230	121441	121969	6.16	6.27
77.90	231	121969	122497	10.10	11.71
78.00	232	122497	123025	12.15	10.36

78.10	233	123025	123553	9.79	14.51
78.20	234	123553	124081	8.15	4.28
78.30	235	124081	124609	10.02	4.07
78.40	236	124609	125137	5.22	8.98
78.50	237	125137	125665	4.95	5.67
78.60	238	125665	126193	4.99	5.77
78.70	239	126193	126721	6.74	5.68
78.80	240	126721	127249	4.35	2.49
78.90	241	127249	127777	3.34	2.34
79.00	242	127777	128305	4.40	7.46
79.10	243	128305	128833	4.98	7.14
79.20	244	128833	129361	4.74	4.43
79.30	245	129361	129889	8.92	4.88
79.40	246	129889	130417	5.48	2.37
79.50	247	130417	130945	5.82	4.25
79.60	248	130945	131473	3.75	5.11
79.70	249	131473	132001	9.20	2.95
79.80	250	132001	132529	11.60	8.95
79.90	251	132529	133057	6.24	9.50
80.00	252	133057	133585	10.52	8.47
80.10	253	133585	134113	8.01	9.86
80.20	254	134113	134641	12.02	11.71
80.30	255	134641	135169	5.73	8.70
80.40	256	135169	135697	17.38	7.48
80.50	257	135697	136225	2.35	5.25
80.60	258	136225	136753	3.05	5.45
80.70	259	136753	137281	2.46	5.94
80.80	260	137281	137809	5.49	6.83
80.90	261	137809	138337	9.90	6.87
81.00	262	138337	138865	6.53	9.24
81.10	263	138865	139393	5.34	4.92
81.20	264	139393	139921	5.30	5.66
81.30	265	139921	140449	6.26	3.55
81.40	266	140449	140977	5.50	1.69
81.50	267	140977	141505	5.04	4.95
81.60	268	141505	142033	6.24	5.95
81.70	269	142033	142561	6.53	4.00
81.80	270	142561	143089	6.13	5.79
81.90	271	143089	143617	13.28	5.73
82.00	272	143617	144145	6.40	6.49
82.10	273	144145	144673	9.36	5.48
82.20	274	144673	145201	3.32	4.21
82.30	275	145201	145729	8.69	6.57

82.40	276	145729	146257	5.00	4.75
82.50	277	146257	146785	4.25	3.07
82.60	278	146785	147313	7.25	2.06
82.70	279	147313	147841	5.41	6.40
82.80	280	147841	148369	4.19	3.79
82.90	281	148369	148897	5.73	6.63
83.00	282	148897	149425	4.53	3.86
83.10	283	149425	149953	5.10	5.38
83.20	284	149953	150481	5.62	6.31
83.30	285	150481	151009	4.05	4.31
83.40	286	151009	151537	4.99	8.03
83.50	287	151537	152065	6.22	3.98
83.60	288	152065	152593	3.34	3.05
83.70	289	152593	153121	3.26	5.06
83.80	290	153121	153649	3.28	6.51
83.90	291	153649	154177	4.61	6.73
84.00	292	154177	154705	6.43	5.36
84.10	293	154705	155233	4.94	5.13
84.20	294	155233	155761	3.81	11.15
84.30	295	155761	156289	3.02	5.80
84.40	296	156289	156817	4.97	4.47
84.50	297	156817	157345	4.71	4.56
84.60	298	157345	157873	3.90	3.43
84.70	299	157873	158401	3.34	3.82
84.80	300	158401	158929	4.61	5.97
84.90	301	158929	159457	4.34	4.15
85.00	302	159457	159985	6.54	4.10
85.10	303	159985	160513	4.26	3.81
85.20	304	160513	161041	3.96	2.92
85.30	305	161041	161569	4.63	4.52
85.40	306	161569	162097	3.38	4.74
85.50	307	162097	162625	6.20	6.34
85.60	308	162625	163153	5.93	3.49
85.70	309	163153	163681	4.38	5.55
85.80	310	163681	164209	4.89	6.51
85.90	311	164209	164737	5.70	4.33
86.00	312	164737	165265	5.77	7.50
86.10	313	165265	165793	3.94	3.90
86.20	314	165793	166321	4.74	5.90
86.30	315	166321	166849	3.23	7.02
86.40	316	166849	167377	4.18	1.56
86.50	317	167377	167905	3.09	5.79
86.60	318	167905	168433	4.05	6.20

86.70	319	168433	168961	2.79	4.65
86.80	320	168961	169489	7.46	6.80
86.90	321	169489	170017	6.08	5.38
87.00	322	170017	170545	7.11	6.43
87.10	323	170545	171073	6.57	7.38
87.20	324	171073	171601	3.98	8.06
87.30	325	171601	172129	4.84	4.82
87.40	326	172129	172657	8.49	7.36
87.50	327	172657	173185	5.74	5.84
87.60	328	173185	173713	5.07	7.69
87.70	329	173713	174241	5.74	7.78
87.80	330	174241	174769	4.26	4.50
87.90	331	174769	175297	5.82	8.19
88.00	332	175297	175825	5.90	8.64
88.10	333	175825	176353	6.01	5.05
88.20	334	176353	176881	3.62	6.65
88.30	335	176881	177409	6.96	7.38
88.40	336	177409	177937	4.50	7.38
88.50	337	177937	178465	5.29	8.57
88.60	338	178465	178993	3.74	3.95
88.70	339	178993	179521	4.99	5.31
88.80	340	179521	180049	6.41	7.95
88.90	341	180049	180577	3.91	6.91
89.00	342	180577	181105	5.43	8.73
89.10	343	181105	181633	3.83	7.44
89.20	344	181633	182161	3.87	6.88
89.30	345	182161	182689	4.78	5.95
89.40	346	182689	183217	5.82	6.37
89.50	347	183217	183745	4.96	4.44
89.60	348	183745	184273	7.95	9.45
89.70	349	184273	184801	7.61	13.95
89.80	350	184801	185329	7.38	14.74
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90.10	353	186385	186913	18.30	20.00
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90.30	355	187441	187969	4.91	5.95
90.40	356	187969	188497	4.89	4.41
90.50	357	188497	189025	6.23	6.11
90.60	358	189025	189553	1.73	6.00
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91.80	370	195361	195889	8.56	5.41
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93.00	382	201697	202225	6.81	6.09
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93.40	386	203809	204337	7.93	6.41
93.50	387	204337	204865	7.62	4.02
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93.70	389	205393	205921	4.63	7.71
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95.70	409	215953	216481	6.04	17.47
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96.90	421	222289	222817	4.27	10.10
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97.90	431	227569	228097	18.12	20.51
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98.70	439	231793	232321	9.25	13.10
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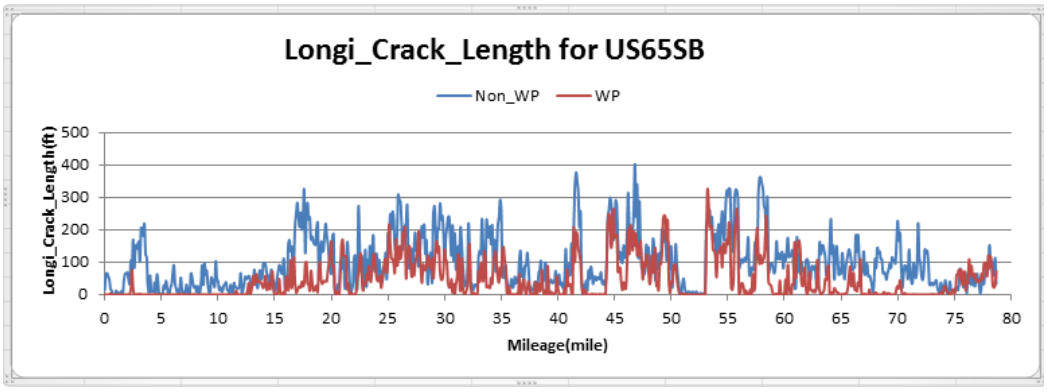
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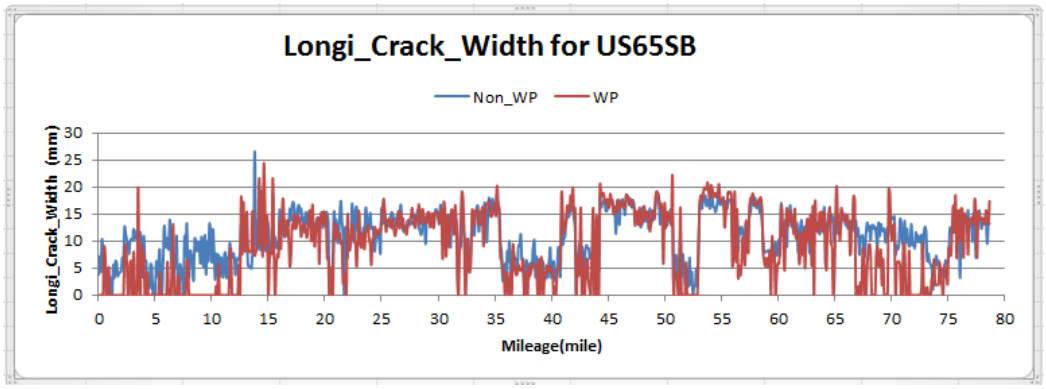
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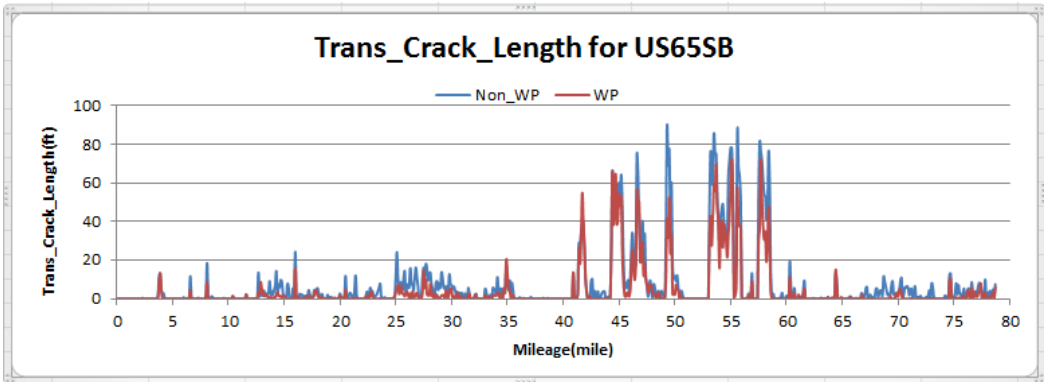
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123.50	687	362737	363265	10.85	11.43
123.60	688	363265	363793	8.72	11.85
123.70	689	363793	364321	6.95	8.03
123.80	690	364321	364849	6.68	6.31
123.90	691	364849	365377	5.46	11.89
124.00	692	365377	365905	5.58	13.61
124.10	693	365905	366433	6.68	13.02
124.20	694	366433	366961	7.11	14.90
124.30	695	366961	367489	9.39	23.03
124.40	696	367489	368017	7.74	11.46
124.50	697	368017	368545	8.02	14.75
124.60	698	368545	369073	7.43	9.53
124.70	699	369073	369601	5.18	6.48
124.80	700	369601	370129	8.84	5.34
124.90	701	370129	370657	4.05	8.64
125.00	702	370657	371185	5.06	12.33
125.10	703	371185	371713	3.78	6.16
125.20	704	371713	372241	5.15	10.58
125.30	705	372241	372769	5.16	9.44

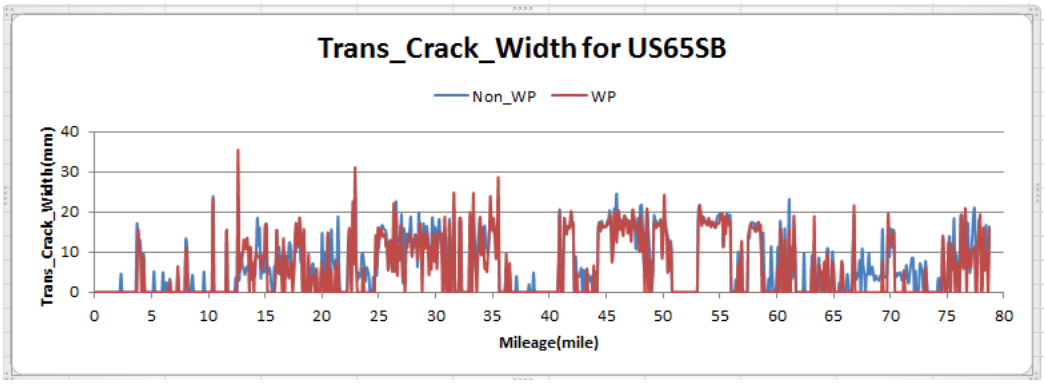
125.40	706	372769	373297	7.76	7.16
125.50	707	373297	373825	6.12	6.25
125.60	708	373825	374353	4.75	9.35
125.70	709	374353	374881	4.66	8.83
125.80	710	374881	375409	7.98	7.06
125.90	711	375409	375937	5.98	8.27
126.00	712	375937	376465	7.52	6.98
126.10	713	376465	376993	16.98	6.20
126.20	714	376993	377521	12.92	6.14
126.30	715	377521	378049	10.13	6.87
126.40	716	378049	378577	5.13	7.74
126.50	717	378577	379105	4.55	10.26
126.60	718	379105	379633	6.17	7.61
126.70	719	379633	380161	5.45	8.13
126.80	720	380161	380689	4.08	8.14

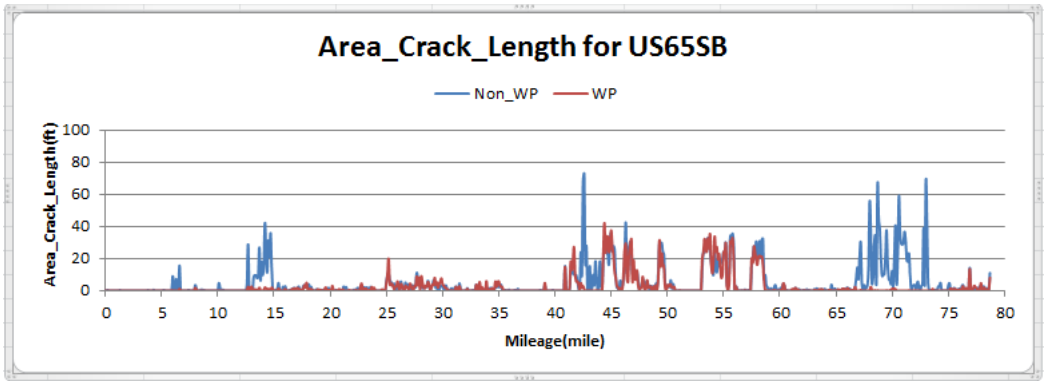
Cracking Data

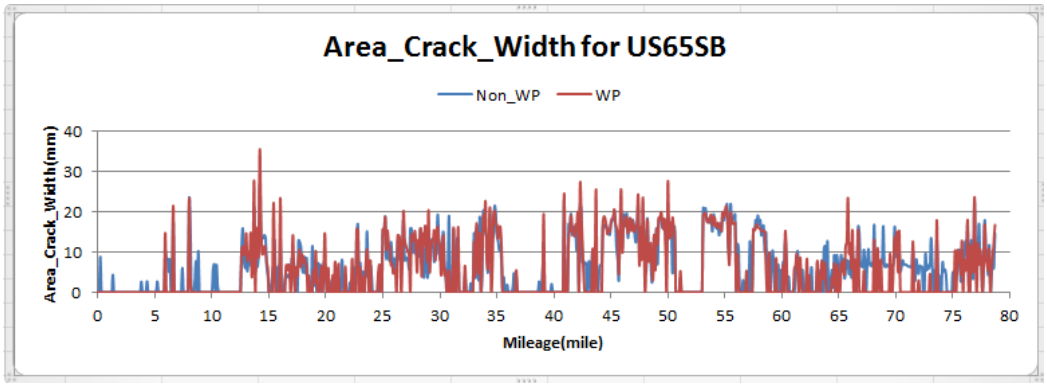







Trans_Crack_Width for US65SB
Non_WP
WP
Trans_Crack_Width(mm)
0
10
20
30
40
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)


Area_Crack_Length for US65SB
Non_WP
WP
Area_Crack_Length(ft)
0
20
40
60
80
100
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)


Area_Crack_Width for US65SB
Non_WP
WP
Area_Crack_Width(mm)
0
10
20
30
40
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0-48.2	Missing											
48.20	15.12	0.00	3.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.30	63.26	0.00	7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.40	66.24	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.48	0.00	8.79	0.00
48.50	55.55	0.00	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.60	47.44	0.00	7.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.70	18.69	3.48	3.56	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.80	12.23	0.49	5.45	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.00	0.36	0.00	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.10	0.00	0.49	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.20	12.10	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.30	5.54	0.00	2.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.50	6.06	0.00	5.57	0.00	0.00	0.00	0.00	0.00	0.44	0.00	4.30	0.00
49.60	2.06	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.70	12.03	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.80	6.60	0.00	6.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.90	48.08	0.00	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.00	65.12	0.00	4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.10	63.75	0.00	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.20	68.10	0.00	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.30	45.82	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.40	32.98	0.00	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.50	105.36	17.14	12.62	7.90	0.45	0.00	4.65	0.00	0.00	0.00	0.00	0.00
50.60	70.16	75.57	11.32	9.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.70	169.71	18.58	10.30	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.80	81.95	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.90	138.94	0.00	7.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.00	154.17	1.22	10.02	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.10	141.02	1.04	10.39	6.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.20	163.08	0.00	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.30	101.46	2.51	12.27	8.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.40	206.46	0.00	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.50	205.54	0.00	11.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.60	180.91	0.00	11.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.70	218.36	0.21	10.88	19.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.80	124.77	0.12	10.23	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.90	115.46	0.00	11.65	0.00	1.95	0.00	17.00	0.00	0.00	0.00	0.00	0.00
52.00	28.24	0.04	8.43	9.15	11.72	9.46	14.99	15.25	0.39	0.00	2.63	0.00

52.10	6.40	0.07	3.35	4.99	13.23	13.21	11.96	11.01	0.00	0.00	0.00	0.00
52.20	58.70	0.56	10.91	7.60	5.12	4.26	12.93	10.65	0.00	0.00	0.00	0.00
52.30	8.54	0.00	6.58	0.00	2.42	0.00	6.62	0.00	0.00	0.00	0.00	0.00
52.40	10.72	0.00	6.40	0.00	2.85	0.00	6.52	0.00	0.00	0.00	0.00	0.00
52.50	10.13	0.99	2.85	4.19	0.45	0.42	9.42	8.75	0.62	0.00	2.74	0.00
52.60	36.53	0.00	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.70	1.94	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.80	61.79	0.00	5.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.90	39.55	0.00	5.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.10	1.02	0.00	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.30	2.48	0.00	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.40	28.02	0.00	3.43	0.00	0.41	0.00	5.21	0.00	0.55	0.00	2.69	0.00
53.50	17.72	0.00	5.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.60	42.50	0.11	8.51	4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.70	22.88	0.00	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.90	1.44	0.00	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.00	21.78	0.00	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.10	32.09	0.00	10.37	0.00	0.00	0.00	0.00	0.00	0.19	0.27	9.78	14.67
54.20	67.33	0.00	8.80	0.00	0.83	0.00	5.01	0.00	9.03	0.00	8.51	0.00
54.30	89.98	0.37	10.62	6.18	0.00	0.00	0.00	0.00	1.44	0.00	8.29	0.00
54.40	34.58	0.00	8.52	0.00	0.00	0.00	0.00	0.00	0.38	0.00	5.04	0.00
54.50	17.83	0.00	13.98	0.00	0.47	0.00	2.51	0.00	7.38	0.00	8.12	0.00
54.60	6.54	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.70	16.57	0.04	4.83	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.80	5.67	3.05	7.87	12.97	11.69	4.55	3.37	2.70	15.60	1.11	17.78	21.42
54.90	51.87	0.00	4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.00	21.52	0.00	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.10	5.28	0.00	10.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.20	8.89	1.02	1.76	3.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.30	0.00	1.41	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.40	30.49	0.00	5.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.50	17.54	0.00	4.75	0.00	0.56	0.41	4.32	6.48	0.00	0.00	0.00	0.00
55.60	3.44	0.00	2.69	0.00	0.00	0.00	0.00	0.00	0.54	0.00	6.00	0.00
55.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.80	64.39	0.00	10.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.90	54.39	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.00	31.04	0.48	13.31	6.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.10	21.41	1.51	5.12	5.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.20	25.06	0.00	3.24	0.00	2.07	2.01	13.28	9.96	3.52	1.79	22.99	23.31
56.30	7.66	0.00	8.22	0.00	18.57	8.79	11.89	10.96	1.30	0.74	16.07	3.94

56.40	26.53	0.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.50	3.41	0.00	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.60	6.05	0.00	2.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.70	38.89	0.00	10.50	0.00	1.34	0.00	2.59	0.00	0.66	0.00	3.20	0.00
56.80	90.75	0.00	9.79	0.00	0.85	0.00	4.27	0.00	0.74	0.00	7.68	0.00
56.90	29.46	0.00	8.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.00	96.61	0.00	9.96	0.00	0.00	0.00	0.00	0.00	0.45	0.00	10.20	0.00
57.10	60.83	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.20	74.28	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.30	27.97	0.00	10.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.40	7.94	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.50	6.48	0.00	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.60	53.03	0.00	11.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.70	33.71	0.00	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.80	45.45	0.00	9.98	0.00	0.49	0.00	5.15	0.00	0.00	0.00	0.00	0.00
57.90	24.70	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.00	103.30	0.00	13.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.10	47.99	0.00	11.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.20	41.38	0.00	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.30	14.63	0.00	12.18	0.00	0.00	0.00	0.00	0.00	4.81	0.00	5.80	0.00
58.40	23.08	0.00	8.54	0.00	0.00	0.00	0.00	0.00	2.00	0.00	6.86	0.00
58.50	9.64	0.00	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.60	12.13	1.03	7.72	1.74	1.40	1.50	23.99	23.24	0.57	0.00	6.78	0.00
58.70	28.40	0.00	3.50	0.00	0.00	0.00	0.00	0.00	0.56	0.00	1.36	0.00
58.80	30.55	0.49	7.48	5.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.90	38.24	0.00	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.00	15.37	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.10	13.61	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.20	4.54	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.30	30.17	0.00	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.40	11.61	0.00	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.50	5.46	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.60	35.60	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.70	24.29	0.00	6.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.80	20.72	12.02	9.65	7.59	2.37	2.27	15.57	15.56	0.00	0.00	0.00	0.00
59.90	19.09	0.06	7.23	8.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	19.29	0.00	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.10	30.13	0.00	7.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.20	65.94	0.00	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.30	4.03	0.00	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.40	15.11	0.00	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.50	33.03	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.60	55.61	0.10	6.87	5.68	0.37	0.00	3.68	0.00	0.00	0.00	0.00	0.00

60.70	48.88	0.00	7.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.80	50.64	11.41	13.30	18.19	0.18	0.76	23.67	35.50	4.52	0.32	11.02	10.43
60.90	57.74	35.15	9.15	7.55	13.60	3.26	3.46	5.04	28.86	2.49	15.86	11.39
61.00	52.80	0.78	12.53	17.26	1.42	2.40	9.87	5.91	1.99	0.74	8.02	9.40
61.10	24.10	5.20	10.21	8.24	3.09	8.63	9.45	8.23	1.35	0.60	6.01	9.29
61.20	34.67	27.09	8.05	8.41	1.74	5.29	6.41	9.36	1.52	2.65	8.94	14.61
61.30	36.51	56.79	10.73	15.41	2.29	2.38	5.74	13.15	0.26	1.03	5.17	7.75
61.40	77.10	29.86	5.74	8.68	4.35	1.42	4.41	10.92	8.63	0.36	7.79	10.07
61.50	37.56	52.74	5.20	7.99	1.41	2.52	6.08	10.79	9.61	0.92	6.84	8.59
61.60	35.12	62.73	5.29	8.09	2.25	2.29	6.41	13.60	9.58	0.24	8.38	14.68
61.70	19.97	38.68	4.96	7.94	2.89	1.62	5.42	9.88	7.89	0.71	6.28	3.74
61.80	58.18	43.55	7.49	15.52	3.12	0.00	5.78	0.00	8.43	0.34	7.18	9.63
61.90	75.29	39.75	7.54	8.42	9.19	0.83	4.52	11.30	26.95	1.85	21.19	27.57
62.00	46.82	35.65	26.59	7.30	1.86	0.78	3.13	4.82	6.40	0.00	5.59	0.00
62.10	51.31	28.13	11.73	7.95	4.00	0.66	4.27	7.23	17.99	0.08	7.77	15.87
62.20	97.58	19.94	8.45	9.15	2.26	0.00	4.79	0.00	9.69	0.05	6.30	15.93
62.30	97.61	39.77	13.90	10.12	4.51	0.93	4.19	8.29	16.00	0.53	10.32	9.27
62.40	90.33	57.61	9.01	21.63	6.70	0.75	10.53	9.88	42.11	2.05	26.88	35.35
62.50	65.71	15.26	8.43	9.55	14.41	2.02	18.61	8.92	25.20	1.40	12.26	17.48
62.60	58.96	26.88	16.65	19.34	2.02	3.44	11.72	9.01	11.29	1.17	13.60	9.40
62.70	23.88	35.09	11.17	7.16	7.53	1.99	15.96	8.61	31.22	0.86	13.39	9.62
62.80	36.21	16.36	15.13	24.17	5.94	1.25	3.60	6.04	21.16	1.04	14.14	11.45
62.90	77.23	55.01	10.25	17.39	9.77	1.60	8.44	6.19	35.89	0.79	13.48	10.32
63.00	47.90	69.63	8.22	8.85	8.63	0.78	5.04	9.47	14.45	1.94	6.58	7.30
63.10	43.28	12.17	13.58	14.56	2.61	1.59	5.02	8.81	0.69	0.84	3.91	5.86
63.20	11.57	0.00	12.88	0.00	1.35	1.54	16.84	16.84	0.00	0.00	0.00	0.00
63.30	17.49	0.48	6.98	6.20	0.72	1.18	17.14	15.89	0.00	0.00	0.00	0.00
63.40	48.98	0.99	9.42	8.19	0.38	0.00	4.84	0.00	0.59	0.00	2.21	0.00
63.50	71.35	17.53	9.58	7.70	7.79	0.00	6.17	0.00	1.06	0.00	4.70	0.00
63.60	90.96	48.15	18.81	21.63	5.92	0.00	5.89	0.00	4.81	1.31	6.62	21.98
63.70	83.61	2.77	10.00	7.70	0.45	0.00	2.54	0.00	0.45	0.53	12.86	9.64
63.80	66.12	0.00	10.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.90	64.75	0.15	8.79	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.00	110.68	9.23	9.84	7.60	5.59	0.00	6.49	0.00	2.51	0.00	6.32	0.00
64.10	20.77	0.10	8.51	7.09	2.55	1.18	4.24	3.71	0.00	0.00	0.00	0.00
64.20	51.47	55.92	15.87	13.74	24.35	15.68	15.55	15.49	2.86	1.10	11.71	23.34
64.30	29.24	35.79	11.38	8.54	0.56	0.44	8.03	4.97	0.00	0.00	0.00	0.00
64.40	154.06	13.15	13.19	14.57	1.15	0.77	11.35	8.51	0.00	0.00	0.00	0.00
64.50	168.84	47.61	15.16	17.89	0.55	0.74	4.37	6.14	0.00	0.00	0.00	0.00
64.60	133.35	106.12	10.75	13.71	2.60	0.38	9.25	5.33	0.50	0.00	3.54	0.00
64.70	147.20	21.46	11.04	10.83	1.84	0.00	7.11	0.00	0.37	0.18	4.45	6.67
64.80	91.02	47.13	11.17	13.12	2.29	0.37	10.65	13.46	1.02	1.02	4.19	5.44
64.90	115.13	115.73	13.32	13.83	0.95	0.00	2.89	0.00	1.27	1.05	3.67	6.91

65.00	212.72	35.61	12.92	10.44	1.52	0.26	8.99	9.05	1.78	1.45	4.47	6.53
65.10	252.58	6.68	16.01	5.38	1.60	0.67	6.56	6.66	0.52	0.00	3.23	0.00
65.20	283.86	11.77	13.76	7.18	1.70	0.70	7.90	4.44	1.48	1.62	8.44	5.50
65.30	239.08	21.32	16.81	13.04	1.58	0.77	12.41	3.57	1.46	1.48	8.10	14.14
65.40	209.19	26.08	17.24	12.27	4.60	2.14	12.02	7.43	2.61	1.42	7.20	4.50
65.50	252.71	21.74	16.10	15.01	2.23	0.32	6.04	7.04	0.00	0.00	0.00	0.00
65.60	200.39	39.86	12.87	12.35	0.90	0.00	2.71	0.00	0.18	0.74	4.72	6.23
65.70	236.80	25.45	13.04	12.83	0.07	0.42	3.00	4.50	0.00	0.37	0.00	4.04
65.80	323.76	34.36	16.05	14.52	1.66	1.35	10.95	13.36	2.60	1.02	12.90	8.73
65.90	128.60	94.28	16.72	14.49	4.53	1.52	10.05	17.29	3.52	3.43	12.36	10.46
66.00	247.31	100.40	15.32	13.10	4.57	4.55	12.74	11.43	2.98	1.89	11.35	6.18
66.10	283.14	33.19	16.02	10.80	4.62	4.49	12.03	11.62	2.15	5.05	6.38	9.31
66.20	231.22	31.76	13.51	12.47	5.62	1.87	15.96	18.53	2.01	0.62	4.88	7.45
66.30	238.82	12.69	14.35	13.19	2.93	0.75	7.79	15.95	4.03	1.26	8.87	8.38
66.40	170.53	73.13	11.61	12.62	1.32	0.82	6.89	10.48	0.66	0.48	4.72	7.08
66.50	179.06	44.13	15.34	11.90	0.00	0.00	0.00	0.00	2.46	1.16	8.48	6.29
66.60	163.39	11.84	13.29	10.65	2.61	1.08	15.07	15.73	0.61	0.00	2.73	0.00
66.70	155.73	22.45	13.13	12.54	0.00	0.00	0.00	0.00	0.26	0.17	2.75	4.12
66.80	153.47	14.09	15.22	15.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.90	208.38	29.10	14.21	15.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.00	222.57	8.35	13.91	9.98	0.07	0.40	6.34	9.51	0.96	0.00	11.35	0.00
67.10	49.18	76.99	13.67	16.76	2.11	0.00	3.76	0.00	0.52	0.88	5.90	5.40
67.20	71.66	100.64	13.22	11.93	0.00	0.00	0.00	0.00	0.14	0.41	1.61	2.42
67.30	162.06	44.31	11.81	8.97	0.59	0.37	6.72	3.84	0.74	0.34	6.83	10.24
67.40	132.09	33.09	12.85	12.23	1.03	0.38	7.22	3.92	0.00	0.46	0.00	3.11
67.50	136.14	39.68	14.25	13.38	0.13	0.36	2.58	3.87	0.39	0.00	7.24	0.00
67.60	184.40	42.52	13.75	14.31	0.00	0.00	0.00	0.00	0.56	0.00	3.60	0.00
67.70	219.04	40.32	14.41	5.80	0.14	0.73	3.96	5.94	0.57	0.81	6.84	4.37
67.80	181.66	40.84	14.15	13.41	0.00	0.00	0.00	0.00	0.00	2.08	0.00	6.31
67.90	154.75	77.05	15.24	15.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.00	108.01	99.25	12.44	13.31	0.00	0.00	0.00	0.00	1.69	0.48	7.11	5.32
68.10	71.57	128.25	13.92	15.53	0.57	0.37	3.40	5.49	1.48	0.38	6.26	14.61
68.20	64.55	163.49	13.07	12.90	2.84	1.88	14.80	7.12	0.63	0.41	3.02	4.47
68.30	178.99	85.91	15.39	14.74	0.38	0.00	4.61	0.00	0.00	0.00	0.00	0.00
68.40	187.31	89.54	15.10	6.70	0.92	0.38	9.98	4.92	0.57	3.07	3.51	6.02
68.50	24.50	12.03	13.20	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.70	5.54	10.59	3.47	5.07	11.90	4.95	13.96	14.90	0.52	0.00	2.92	0.00
68.80	33.27	0.00	4.40	0.00	0.96	0.00	9.02	0.00	0.12	0.28	2.83	4.25
68.90	25.18	0.00	6.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.00	103.36	72.47	15.37	13.09	2.08	0.35	15.46	5.65	0.00	1.03	0.00	7.57
69.10	79.27	155.36	12.58	10.23	3.16	0.00	9.50	0.00	0.58	0.00	2.65	0.00
69.20	137.20	169.49	14.00	12.94	2.21	0.00	7.25	0.00	0.00	0.00	0.00	0.00

69.30	91.40	120.90	9.73	10.81	0.79	0.00	5.73	0.00	0.00	0.92	0.00	7.05
69.40	17.99	119.31	10.25	11.19	0.52	0.32	7.69	8.02	2.66	0.00	3.36	0.00
69.50	52.38	117.43	14.30	11.41	3.94	0.00	8.74	0.00	0.00	0.00	0.00	0.00
69.60	160.81	16.92	17.43	9.52	12.18	0.80	18.89	6.52	2.41	0.00	8.03	0.00
69.70	119.47	34.80	13.68	10.02	1.73	0.00	4.86	0.00	0.49	0.00	3.76	0.00
69.80	59.91	1.02	10.59	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.90	0.00	5.81	0.00	3.58	0.00	0.00	0.00	0.00	0.08	0.45	4.25	6.37
70.00	15.45	1.77	12.51	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.10	33.15	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.20	111.32	1.01	6.92	14.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.30	120.75	0.50	9.81	8.84	0.00	0.00	0.00	0.00	0.60	0.00	2.39	0.00
70.40	14.68	9.45	9.14	8.28	0.00	0.00	0.00	0.00	0.59	0.00	1.90	0.00
70.50	19.02	49.15	9.60	10.59	1.01	0.76	13.05	10.43	0.00	0.47	0.00	8.27
70.60	270.41	68.31	16.94	13.14	3.68	1.67	15.60	16.02	1.48	0.00	4.29	0.00
70.70	154.08	110.99	11.89	10.76	3.35	0.80	11.13	6.96	1.72	0.00	6.01	0.00
70.80	73.49	124.48	10.12	9.91	0.36	0.00	4.97	0.00	0.00	0.00	0.00	0.00
70.90	118.00	48.37	15.90	9.51	5.71	2.36	20.32	22.69	1.17	2.73	13.74	15.68
71.00	16.35	12.05	16.35	5.26	4.29	3.90	11.25	7.14	1.78	4.43	16.77	15.19
71.10	33.61	36.46	11.86	11.03	4.09	1.13	25.45	31.12	0.49	0.00	4.43	0.00
71.20	138.26	31.83	15.06	15.64	1.75	0.87	7.03	8.46	2.24	1.62	7.37	6.06
71.30	24.58	63.09	9.95	9.49	0.94	0.00	3.08	0.00	1.66	0.00	3.52	0.00
71.40	107.69	45.07	11.41	8.80	1.72	0.00	4.83	0.00	2.11	1.38	3.69	3.95
71.50	57.93	88.31	10.96	11.48	2.35	0.00	3.67	0.00	1.79	0.00	5.20	0.00
71.60	149.78	48.22	12.51	9.40	3.96	0.00	5.43	0.00	1.61	0.00	3.86	0.00
71.70	83.71	39.92	11.13	8.61	5.69	0.00	9.71	0.00	1.39	0.59	3.94	7.27
71.80	122.72	84.43	16.13	11.61	7.84	0.36	9.31	6.14	2.45	0.44	15.09	10.62
71.90	183.25	124.00	14.40	12.28	1.30	0.00	6.63	0.00	1.66	2.37	5.86	6.99
72.00	74.08	125.37	11.92	12.92	0.49	0.00	2.73	0.00	0.00	0.00	0.00	0.00
72.10	97.44	76.94	12.94	10.43	0.49	0.00	6.17	0.00	0.65	1.90	6.49	7.86
72.20	125.94	49.36	15.26	9.25	0.77	0.00	5.47	0.00	0.37	0.00	4.21	0.00
72.30	55.34	41.50	12.34	5.56	0.41	0.00	4.24	0.00	0.00	0.00	0.00	0.00
72.40	107.70	41.89	12.67	10.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.50	82.06	59.03	10.98	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.60	61.36	21.06	8.10	12.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.70	38.05	45.23	11.45	11.95	0.37	0.00	3.85	0.00	0.00	0.00	0.00	0.00
72.80	80.88	69.69	11.52	11.96	0.00	0.00	0.00	0.00	0.15	0.82	3.36	5.38
72.90	89.43	105.97	10.48	11.13	0.11	0.29	9.43	14.15	0.00	0.56	0.00	6.74
73.00	129.08	109.13	11.28	12.19	0.26	0.73	4.16	6.24	0.00	0.00	0.00	0.00
73.10	47.99	66.82	7.74	11.85	1.19	0.74	9.64	15.93	0.00	0.00	0.00	0.00
73.20	187.99	104.49	16.01	14.24	10.55	3.64	11.74	13.19	5.91	5.21	15.36	15.63
73.30	146.12	215.92	13.17	16.43	24.18	4.65	15.93	14.74	9.59	10.72	14.42	14.42
73.40	247.78	154.37	16.48	17.79	11.08	7.22	16.39	15.94	11.11	19.90	18.66	18.61
73.50	203.76	112.38	14.83	14.71	5.64	2.62	16.73	13.94	6.53	3.74	8.30	10.46

73.60	256.50	108.94	12.87	11.70	8.34	3.89	15.95	14.02	5.61	3.54	13.41	15.25
73.70	236.21	94.55	13.43	13.61	8.38	6.50	15.54	14.60	4.39	4.35	8.76	11.72
73.80	149.07	67.95	13.86	13.98	4.57	2.88	15.37	11.40	3.06	2.49	7.87	11.18
73.90	133.25	171.97	12.69	14.20	10.60	2.39	12.63	11.99	4.40	1.04	12.45	6.65
74.00	183.75	90.79	14.52	13.45	14.26	1.33	8.21	5.43	2.52	2.63	9.04	7.10
74.10	307.57	102.75	15.35	12.41	2.66	2.53	12.65	10.51	0.95	3.08	4.91	4.67
74.20	291.13	149.38	14.75	13.93	7.57	3.82	9.55	13.04	2.61	5.84	8.42	5.65
74.30	286.74	110.33	13.70	11.99	5.75	2.06	6.12	8.58	2.99	1.48	5.60	4.84
74.40	220.06	131.26	14.25	10.95	5.87	0.73	5.28	5.55	1.12	0.00	6.00	0.00
74.50	138.30	190.23	12.84	12.06	15.97	2.86	21.23	22.24	5.77	4.21	12.87	14.14
74.60	192.69	189.90	14.91	13.64	8.31	0.60	14.34	5.19	1.64	2.79	9.19	14.04
74.70	213.17	207.31	14.63	15.56	7.17	3.80	22.66	19.83	1.40	1.26	7.84	12.71
74.80	218.76	51.14	14.58	12.35	4.47	0.85	13.24	4.27	1.23	0.00	8.02	0.00
74.90	274.72	111.54	16.77	15.19	11.11	1.11	12.33	11.55	5.11	3.16	9.31	6.78
75.00	114.39	140.10	13.83	12.62	16.24	2.71	13.71	8.02	2.05	1.76	17.72	20.06
75.10	79.55	149.47	12.08	14.18	11.04	2.94	14.60	16.66	4.03	2.05	7.90	13.22
75.20	123.87	91.63	11.68	12.20	6.19	0.79	19.02	10.09	2.62	0.52	8.70	11.59
75.30	140.35	53.96	12.79	12.61	0.13	0.33	2.31	3.46	0.79	4.45	8.20	10.81
75.40	86.32	93.38	12.70	11.19	2.03	0.80	15.89	4.13	1.65	2.82	7.58	9.92
75.50	145.18	58.44	13.79	12.42	1.67	0.00	3.84	0.00	3.40	1.26	5.86	9.34
75.60	191.56	94.82	13.82	13.53	11.34	3.80	14.50	12.24	2.81	0.00	15.81	0.00
75.70	134.67	117.52	12.95	14.03	16.26	14.71	13.33	11.22	2.84	3.08	15.84	14.34
75.80	130.50	132.09	13.59	14.58	11.38	5.63	14.38	14.56	2.14	2.83	9.87	13.71
75.90	85.95	194.69	13.64	16.16	18.17	10.09	15.57	12.61	11.14	8.93	13.19	12.68
76.00	126.92	140.69	13.17	14.10	15.16	2.34	18.71	14.12	7.37	3.30	9.66	15.18
76.10	179.56	76.55	14.32	12.81	9.49	1.77	10.39	8.96	6.09	8.26	11.30	11.20
76.20	211.72	36.01	14.98	12.51	13.23	1.95	13.12	11.01	4.73	0.88	9.99	4.91
76.30	175.24	92.77	14.15	14.32	13.59	7.75	12.37	11.43	4.36	9.03	8.67	12.84
76.40	215.62	83.81	15.77	13.83	7.45	1.58	14.38	14.37	1.38	5.58	9.61	11.42
76.50	125.56	74.70	12.55	16.81	5.27	3.18	13.75	12.42	2.30	2.20	15.78	15.70
76.60	166.83	87.38	11.84	13.20	1.12	0.71	6.45	8.29	1.63	1.35	7.04	3.87
76.70	35.00	120.56	11.17	14.37	3.01	0.37	19.84	12.68	2.96	3.17	9.18	14.35
76.80	71.39	88.21	12.56	15.97	8.16	2.32	13.06	17.27	2.50	2.42	3.63	11.59
76.90	122.58	105.03	14.09	15.24	9.15	1.91	12.50	13.28	6.23	5.52	11.07	16.50
77.00	128.91	77.93	12.62	13.29	4.57	0.00	9.04	0.00	2.81	3.73	8.28	11.14
77.10	37.51	112.88	9.49	14.39	8.23	0.41	17.00	14.28	0.91	0.41	3.62	7.89
77.20	245.32	49.32	14.64	13.40	5.87	0.85	14.73	10.85	2.62	1.47	6.17	20.34
77.30	273.26	92.10	15.22	15.34	13.76	1.76	12.68	11.31	3.57	3.94	12.13	5.07
77.40	211.30	145.03	15.13	15.28	10.52	1.97	16.49	14.96	6.54	3.70	11.21	11.39
77.50	143.33	165.11	13.23	12.60	5.50	1.84	12.86	13.12	5.58	8.06	13.20	12.81
77.60	204.31	128.92	13.86	13.79	6.43	0.37	8.29	4.27	1.65	3.58	10.83	13.12
77.70	200.68	146.91	14.10	15.14	4.91	4.46	8.27	11.59	1.66	5.28	7.48	15.25
77.80	281.85	66.74	13.23	12.41	6.64	1.33	11.46	5.75	0.34	1.84	10.53	7.86

77.90	231.67	45.58	15.23	14.59	3.73	0.71	18.70	10.74	0.53	4.19	9.55	14.53
78.00	242.83	46.40	15.92	15.31	12.77	3.36	13.97	14.72	3.25	5.82	19.18	16.28
78.10	191.51	76.76	15.38	15.30	7.62	5.36	16.33	7.60	2.65	7.69	13.70	12.93
78.20	102.72	139.45	14.40	15.28	7.01	4.17	15.11	13.35	3.49	3.95	8.09	11.48
78.30	172.60	109.82	13.21	13.39	5.00	0.42	7.80	5.79	0.78	3.27	8.62	4.17
78.40	206.59	96.54	16.68	14.81	6.49	1.22	14.74	14.68	1.14	2.08	11.48	9.39
78.50	238.01	36.27	15.51	15.88	4.54	1.50	18.25	14.89	3.35	1.58	14.96	14.00
78.60	240.93	21.74	15.56	6.70	2.69	0.68	13.20	14.14	1.03	1.18	7.56	4.32
78.70	184.76	21.81	13.78	17.17	3.73	3.36	10.16	14.69	0.12	0.28	3.72	5.58
78.80	120.08	47.26	12.02	15.73	0.69	0.00	6.94	0.00	0.00	0.00	0.00	0.00
78.90	214.36	5.45	14.49	7.18	3.15	0.34	11.82	10.24	0.88	0.00	5.98	0.00
79.00	104.03	32.96	13.20	14.57	1.66	1.44	15.71	18.63	1.53	0.32	18.87	5.33
79.10	189.34	2.79	14.85	9.04	3.24	0.00	11.42	0.00	0.00	0.00	0.00	0.00
79.20	79.87	33.07	13.40	11.08	0.56	0.41	3.06	6.79	0.55	0.00	2.47	0.00
79.30	109.86	54.70	8.82	14.64	0.97	0.00	5.31	0.00	2.07	0.00	4.19	0.00
79.40	150.06	124.93	14.76	15.89	2.88	0.68	18.31	17.39	2.55	2.46	15.56	16.02
79.50	102.99	52.77	13.31	14.53	0.50	0.00	3.13	0.00	0.00	0.00	0.00	0.00
79.60	206.68	12.59	12.51	11.25	0.49	0.00	8.13	0.00	0.59	0.00	3.37	0.00
79.70	162.83	111.45	14.03	16.65	5.69	1.83	8.89	13.13	4.64	2.86	13.23	5.81
79.80	94.98	30.10	13.87	13.57	2.03	2.65	21.32	24.56	1.06	0.45	10.50	16.09
79.90	53.60	0.33	8.80	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.00	25.31	0.00	7.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.10	36.27	10.41	8.35	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.20	44.54	22.02	9.10	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.30	216.91	100.29	15.09	19.13	1.57	2.19	18.19	18.58	0.00	0.00	0.00	0.00
80.40	149.43	154.52	15.79	17.89	2.62	1.53	15.70	18.44	1.65	1.17	4.34	6.51
80.50	24.04	26.42	11.55	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.60	33.39	0.00	9.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.70	12.86	5.82	8.13	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.80	25.47	3.69	9.26	10.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.90	30.99	2.05	7.28	4.58	0.00	0.00	0.00	0.00	0.48	0.00	2.20	0.00
81.00	29.82	0.98	7.08	4.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.10	21.41	2.32	10.03	6.55	0.00	0.00	0.00	0.00	0.50	0.00	2.91	0.00
81.20	119.90	71.82	13.41	15.86	5.17	1.76	16.28	19.88	3.87	3.84	14.69	12.42
81.30	135.15	39.29	13.00	15.36	3.87	0.64	10.47	9.33	0.56	0.51	3.50	3.91
81.40	125.09	96.72	11.06	13.07	0.73	0.00	4.23	0.00	0.61	1.80	15.63	16.85
81.50	233.93	74.56	15.04	15.60	0.70	1.49	18.99	24.70	2.37	5.49	10.17	14.77
81.60	155.25	42.46	16.20	15.36	0.61	0.29	14.55	7.90	0.03	0.48	3.15	4.72
81.70	75.35	132.79	16.58	15.77	2.23	0.40	6.04	9.44	1.49	2.31	18.72	14.65
81.80	54.35	112.49	11.77	13.16	0.49	0.00	4.25	0.00	0.00	0.00	0.00	0.00
81.90	228.38	22.74	15.19	13.06	5.75	1.97	12.16	8.07	0.08	0.91	4.38	8.12
82.00	192.28	25.23	15.47	13.31	4.94	1.92	15.72	11.74	1.11	0.67	19.88	18.86
82.10	176.23	25.70	15.75	16.19	4.28	1.86	18.41	18.80	1.85	5.95	15.82	15.23

82.20	210.91	20.43	12.94	9.13	1.78	1.97	13.22	9.27	0.37	0.65	15.02	22.52
82.30	155.70	51.81	17.11	13.04	11.29	3.22	16.07	16.11	1.24	0.98	13.06	8.77
82.40	213.66	33.33	15.03	16.58	4.82	2.72	9.13	12.12	1.48	0.80	4.83	5.72
82.50	104.19	101.28	9.82	16.68	2.38	0.76	16.66	5.96	1.79	0.95	12.68	13.34
82.60	168.43	116.25	15.06	17.02	5.47	2.21	11.15	7.39	1.55	1.55	19.36	20.60
82.70	71.38	133.80	18.04	17.47	2.91	0.79	11.22	5.10	0.44	0.00	8.32	0.00
82.80	125.08	94.35	15.91	14.84	3.43	0.41	9.70	10.10	0.52	0.96	13.21	5.61
82.90	213.93	50.83	15.27	14.48	5.73	5.52	15.17	14.85	2.49	5.79	14.37	19.04
83.00	238.93	37.73	17.79	15.27	5.59	3.08	16.71	23.98	2.14	2.47	21.33	20.20
83.10	293.14	84.00	16.45	15.86	16.93	20.42	17.84	17.03	4.92	5.45	19.30	16.89
83.20	263.36	54.67	16.92	17.02	9.21	12.78	18.58	15.25	2.13	5.92	13.84	16.69
83.30	89.26	135.84	15.85	14.67	4.44	6.22	17.14	18.42	3.51	3.37	12.79	13.25
83.40	51.82	147.47	18.73	20.22	9.63	4.52	13.93	13.04	3.74	2.40	10.45	15.54
83.50	75.69	107.67	15.44	17.19	3.36	0.42	16.01	8.32	0.66	2.40	11.65	16.26
83.60	89.34	71.76	16.30	14.57	8.37	2.05	13.85	13.82	0.12	0.39	7.65	11.47
83.70	38.02	4.10	9.66	6.88	4.54	1.94	23.50	28.46	0.00	0.00	0.00	0.00
83.80	26.12	3.40	8.10	6.48	0.00	0.00	0.00	0.00	0.48	0.00	3.71	0.00
83.90	22.22	24.53	2.67	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.00	26.82	1.21	2.82	4.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.10	47.63	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.64	0.00	1.84	0.00
84.20	21.22	1.07	2.81	3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.30	28.55	1.03	8.13	4.23	0.82	0.00	1.66	0.00	0.00	0.00	0.00	0.00
84.40	55.38	0.00	6.18	0.00	0.08	0.42	6.42	9.63	0.00	0.00	0.00	0.00
84.50	34.16	0.00	9.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.60	50.49	3.50	2.51	3.72	0.49	0.00	1.57	0.00	0.46	0.00	1.41	0.00
84.70	40.11	0.00	5.76	0.00	0.13	0.36	4.85	7.28	0.49	0.00	4.74	0.00
84.80	109.47	62.96	8.31	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.90	134.29	1.51	7.40	7.10	0.00	0.00	0.00	0.00	1.18	0.07	3.61	5.42
85.00	57.03	8.50	6.75	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.10	80.95	33.56	6.58	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.20	43.86	45.95	4.92	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.30	89.95	14.80	9.25	5.56	0.97	0.00	4.02	0.00	0.00	0.00	0.00	0.00
85.40	90.24	1.54	9.11	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.50	129.72	19.91	11.27	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.60	84.94	41.08	6.60	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.70	28.44	20.95	6.22	6.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.80	17.50	0.00	2.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.90	11.04	0.00	2.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.00	18.50	2.74	6.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.10	28.79	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.20	40.35	39.19	3.00	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.30	17.11	0.06	5.91	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.40	24.48	9.30	5.05	4.37	0.49	0.00	1.98	0.00	0.00	0.00	0.00	0.00

86.50	66.60	34.53	6.13	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.60	76.02	9.69	9.13	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.70	103.93	28.66	10.16	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.80	45.70	75.42	3.30	5.51	0.46	0.00	4.93	0.00	0.00	0.00	0.00	0.00
86.90	40.98	11.57	7.18	4.67	0.00	0.00	0.00	0.00	0.56	0.00	2.68	0.00
87.00	54.78	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.10	99.68	13.54	6.54	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.20	35.20	0.00	6.37	0.00	0.00	0.00	0.00	0.00	0.49	0.00	5.08	0.00
87.30	4.02	88.47	6.25	6.95	0.00	0.00	0.00	0.00	3.14	4.85	12.17	19.37
87.40	39.22	10.95	6.42	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.50	39.18	0.00	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.60	46.39	9.31	2.80	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.70	35.64	0.34	3.36	3.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.80	39.61	2.85	3.35	5.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.90	38.51	4.88	3.32	4.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	72.98	3.98	6.39	5.09	0.00	0.00	0.00	0.00	0.56	0.00	2.05	0.00
88.10	30.15	56.23	8.77	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.20	33.36	21.77	3.27	4.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.30	62.50	3.29	4.03	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.40	30.23	0.00	6.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.50	37.39	0.15	3.12	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.60	23.03	0.00	2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.70	19.86	3.76	4.66	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.80	57.72	20.66	8.87	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.90	140.81	0.07	8.09	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.00	51.51	77.64	3.48	6.47	0.08	0.42	5.40	8.10	0.00	0.00	0.00	0.00
89.10	55.67	27.51	14.09	18.90	13.17	13.73	20.65	19.99	15.34	14.81	23.11	24.48
89.20	94.38	28.99	9.47	15.18	0.00	0.00	0.00	0.00	0.51	0.00	1.32	0.00
89.30	61.68	31.85	10.55	11.48	0.36	0.00	1.63	0.00	0.00	0.00	0.00	0.00
89.40	157.81	5.53	10.69	13.22	0.91	0.00	9.52	0.00	0.00	0.00	0.00	0.00
89.50	118.86	0.29	13.54	13.32	2.14	2.67	18.30	18.26	1.02	1.10	16.87	13.08
89.60	207.74	206.26	15.17	16.58	28.84	26.13	15.71	16.14	10.82	17.99	16.18	15.66
89.70	331.58	99.54	14.46	15.34	29.28	18.08	16.43	14.41	10.71	12.91	19.46	19.03
89.80	376.50	192.21	14.94	15.52	34.48	30.29	16.08	16.43	12.33	19.41	14.19	15.06
89.90	352.17	186.66	17.11	18.43	37.01	54.75	16.71	15.91	10.07	27.05	16.19	15.36
90.00	313.09	143.38	15.62	16.98	39.36	41.44	17.08	16.13	9.89	9.18	15.45	13.88
90.10	208.02	124.44	16.73	19.92	26.47	27.72	19.90	20.27	9.56	5.77	15.14	16.84
90.20	253.88	97.41	14.00	14.66	11.63	9.20	17.05	16.65	5.60	5.89	10.32	15.66
90.30	50.50	31.30	12.09	16.04	4.21	3.15	14.05	17.41	1.50	3.65	15.25	19.54
90.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.50	30.07	7.56	5.87	6.99	1.13	0.74	8.90	3.71	24.06	4.78	21.94	26.63
90.60	22.88	14.64	8.08	3.59	0.93	1.43	3.62	4.98	10.26	2.10	20.15	19.31
90.70	42.55	4.21	9.51	6.69	9.42	0.00	4.21	0.00	67.43	2.91	7.42	12.87

90.80	12.01	0.51	6.91	16.08	10.27	0.00	3.89	0.00	72.64	0.70	7.79	5.10
90.90	75.23	0.00	9.01	0.00	0.89	0.00	4.82	0.00	16.80	0.00	6.88	0.00
91.00	48.13	0.42	6.92	6.62	4.19	0.00	5.94	0.00	27.89	0.00	7.27	0.00
91.10	85.87	0.00	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.20	69.41	2.02	8.44	2.07	1.42	0.00	5.49	0.00	3.31	0.00	6.58	0.00
91.30	32.86	0.66	9.25	5.14	3.94	0.00	4.68	0.00	15.31	0.00	7.57	0.00
91.40	53.42	0.38	8.68	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.50	55.81	0.85	8.70	2.35	0.57	0.39	4.55	5.92	2.03	0.00	6.68	0.00
91.60	43.64	0.37	6.86	0.70	1.98	0.00	4.52	0.00	9.99	0.05	10.05	10.80
91.70	52.16	0.00	7.63	0.00	3.43	0.00	3.39	0.00	3.30	0.00	6.39	0.00
91.80	52.27	0.46	5.28	9.12	3.73	0.00	2.67	0.00	18.33	0.07	6.61	7.53
91.90	48.42	1.62	5.96	15.87	3.95	0.00	3.92	0.00	8.28	0.07	7.60	25.42
92.00	68.60	0.00	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.10	35.55	0.00	8.42	0.00	0.53	0.81	5.06	6.68	0.00	0.00	0.00	0.00
92.20	31.95	1.02	5.09	14.75	0.46	0.00	3.81	0.00	18.30	0.00	6.37	0.00
92.30	43.53	0.00	5.18	0.00	1.36	0.00	5.07	0.00	3.45	0.00	6.77	0.00
92.40	28.60	0.00	4.49	0.00	0.00	0.00	0.00	0.00	2.47	0.00	6.80	0.00
92.50	89.05	91.29	17.74	20.41	23.87	21.23	16.58	16.45	18.80	23.76	16.13	17.43
92.60	236.06	219.54	16.26	18.19	65.59	65.82	17.56	17.34	30.03	42.11	16.74	18.79
92.70	261.48	249.06	16.94	18.62	55.44	38.47	15.17	15.53	32.80	23.54	16.13	18.13
92.80	299.10	233.76	17.37	18.88	61.24	54.96	17.79	17.18	23.95	33.99	16.58	16.19
92.90	281.00	145.39	17.70	17.76	56.69	64.22	16.22	16.26	22.27	33.58	15.09	14.37
93.00	239.06	168.58	15.55	16.87	43.71	38.75	16.51	16.28	16.32	23.99	15.67	15.48
93.10	169.16	264.16	15.56	17.71	56.98	41.31	16.29	16.44	32.27	26.35	14.18	15.07
93.20	182.43	186.11	16.81	17.37	60.19	54.54	16.28	16.69	36.00	37.54	16.78	17.47
93.30	289.90	175.18	16.42	16.15	54.15	48.07	17.90	17.42	24.76	27.58	17.63	18.30
93.40	275.14	183.78	17.56	18.75	64.31	52.60	18.15	16.98	27.84	22.27	18.04	18.38
93.50	168.08	70.27	17.71	17.73	46.98	22.73	20.45	19.44	25.94	12.32	20.25	20.54
93.60	109.97	81.64	16.78	17.56	20.09	8.51	17.14	17.04	10.62	8.24	16.98	16.98
93.70	131.89	83.24	15.68	14.96	5.56	1.67	11.24	7.65	1.97	3.14	10.59	15.86
93.80	104.43	34.65	16.22	16.39	8.45	1.08	11.49	9.93	1.86	2.19	7.92	14.28
93.90	98.07	13.85	11.39	15.30	5.95	3.18	20.84	19.14	0.35	0.87	2.96	4.45
94.00	151.64	37.58	17.49	15.94	9.73	2.90	17.43	20.32	6.21	1.65	14.77	16.70
94.10	119.37	20.35	16.93	17.70	3.85	1.20	24.61	12.48	2.86	0.92	10.80	25.43
94.20	114.03	17.53	13.03	15.89	9.94	4.07	18.54	16.29	2.80	1.24	10.96	10.06
94.30	186.64	87.22	16.49	16.74	24.32	17.11	19.73	20.40	8.12	10.97	19.24	15.49
94.40	313.63	201.39	17.60	17.40	34.31	25.21	16.07	15.61	18.53	25.91	16.28	16.93
94.50	215.48	124.62	17.72	16.44	24.04	15.08	18.04	17.74	42.49	28.99	18.99	18.80
94.60	197.36	211.87	16.33	16.54	17.04	9.83	17.54	15.62	10.87	7.61	19.46	16.96
94.70	166.71	195.54	14.82	16.15	17.55	16.42	16.47	14.20	13.13	5.36	13.49	14.61
94.80	194.99	135.90	17.46	18.63	74.51	55.86	19.17	19.10	27.68	23.92	17.66	17.55
94.90	262.77	194.74	18.22	18.42	64.59	47.99	17.29	16.71	30.49	29.23	17.32	18.35
95.00	402.46	150.71	18.17	17.78	41.54	50.18	18.27	18.24	24.02	32.05	17.41	15.22

95.10	240.03	188.86	17.87	16.63	24.90	18.99	15.47	14.71	10.32	5.43	18.00	17.76
95.20	337.77	119.78	17.79	17.41	24.16	21.15	17.08	17.93	9.92	18.89	17.09	15.06
95.30	112.51	122.91	16.23	17.63	40.42	28.96	15.94	15.18	8.44	7.18	13.79	15.18
95.40	288.54	150.35	17.57	16.49	27.39	12.00	15.34	12.85	12.37	6.99	12.37	16.56
95.50	144.45	163.84	16.91	16.09	33.47	18.20	18.20	20.61	11.70	12.68	15.79	16.98
95.60	81.34	101.75	14.31	12.85	12.22	9.85	19.01	20.11	6.77	3.24	21.38	24.01
95.70	80.06	46.26	14.12	15.45	7.33	6.69	17.63	15.99	0.73	0.78	9.47	6.68
95.80	61.61	98.86	14.60	15.51	1.14	3.12	10.77	15.50	2.31	1.44	15.74	16.22
95.90	71.64	85.02	13.00	13.05	6.55	7.40	15.49	15.12	2.77	2.27	10.71	8.09
96.00	153.29	121.34	15.03	16.17	9.47	6.55	18.51	17.21	7.08	8.76	12.64	23.38
96.10	120.95	122.69	12.54	14.07	3.43	6.98	13.71	10.16	5.25	2.98	15.36	13.72
96.20	145.51	71.28	14.86	13.05	0.80	2.73	21.46	18.98	0.98	0.00	4.86	0.00
96.30	83.66	31.86	16.36	14.33	7.62	2.91	21.79	10.26	4.88	1.22	5.33	7.63
96.40	116.75	52.73	15.86	16.50	6.00	1.84	16.11	15.74	5.78	6.60	18.31	17.94
96.50	86.29	120.72	13.63	14.29	0.15	0.84	6.67	10.00	3.47	1.84	9.76	7.74
96.60	172.27	68.27	15.47	15.40	0.49	0.00	8.76	0.00	0.86	1.87	11.12	11.44
96.70	141.74	90.59	15.05	14.27	4.19	3.19	14.39	16.29	3.06	2.73	7.02	12.10
96.80	44.89	143.03	12.26	15.33	2.55	3.08	19.75	20.50	0.35	0.68	2.39	5.40
96.90	76.55	26.96	16.05	11.89	1.69	0.00	15.56	0.00	2.80	1.19	7.84	3.23
97.00	124.95	35.87	13.89	13.16	4.19	0.80	10.73	8.31	1.53	2.79	14.17	14.25
97.10	80.68	14.38	15.63	13.91	2.45	0.00	5.87	0.00	2.12	0.35	8.56	5.42
97.20	129.94	98.40	14.36	15.69	1.29	0.00	7.81	0.00	4.54	3.45	15.91	15.54
97.30	125.75	94.25	14.02	14.26	0.06	0.84	4.43	6.65	2.71	1.06	6.86	11.81
97.40	201.46	137.67	16.67	18.29	31.50	10.43	19.10	17.55	12.54	9.52	17.79	18.54
97.50	163.84	234.82	17.72	19.23	89.32	41.06	17.81	16.11	29.98	31.51	18.39	18.04
97.60	162.22	245.10	18.90	18.80	69.19	31.87	17.86	16.07	29.89	14.96	18.55	19.92
97.70	198.20	237.06	18.08	17.68	77.19	52.52	16.63	17.05	29.70	23.32	16.14	17.81
97.80	104.13	165.18	13.13	16.07	47.23	23.76	17.02	16.90	24.07	16.63	17.69	15.58
97.90	163.90	226.93	15.73	16.90	59.48	32.65	17.47	16.62	22.47	14.18	17.90	18.08
98.00	130.81	36.72	15.24	14.04	16.11	2.46	18.19	17.73	4.46	1.91	14.47	10.51
98.10	79.00	4.87	12.93	5.82	10.52	2.13	12.89	8.46	1.96	0.00	10.10	0.00
98.20	148.71	39.54	16.28	16.97	11.70	2.22	14.61	12.31	2.30	3.50	18.06	27.33
98.30	22.67	35.97	12.88	12.39	9.16	7.43	16.92	24.30	3.55	2.45	16.03	13.66
98.40	87.96	89.90	12.90	15.39	12.23	5.05	17.75	16.58	2.25	3.97	14.00	17.28
98.50	90.36	75.07	13.60	13.96	6.21	4.68	15.06	14.68	6.61	3.83	16.19	13.68
98.60	155.64	93.53	14.18	14.31	2.43	0.42	13.93	4.85	1.32	1.90	4.78	18.50
98.70	91.62	49.51	15.83	15.13	2.35	2.31	9.67	13.19	4.23	1.82	11.23	16.34
98.80	53.24	24.18	13.33	13.16	4.22	0.36	9.83	5.46	1.90	2.36	15.89	14.48
98.90	24.75	5.79	13.78	21.96	1.78	0.28	12.46	11.14	0.00	0.00	0.00	0.00
99.00	3.88	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.10	4.98	2.04	5.85	4.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.20	34.35	1.52	7.45	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.30	49.57	3.10	5.61	3.55	0.00	0.00	0.00	0.00	0.20	0.23	3.49	5.24

99.40	21.06	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.50	7.03	0.00	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.60	7.37	3.31	10.55	16.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.70	7.95	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.80	9.54	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.90	5.36	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.03	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.10	8.97	0.41	1.82	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.20	2.49	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.30	1.53	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.40	9.56	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.50	3.91	0.00	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.60	2.05	0.00	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.80	5.06	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.90	2.55	0.00	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.00	1.49	0.00	4.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.10	5.00	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.20	2.23	0.86	9.05	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.30	211.38	158.79	16.19	16.87	46.26	29.13	20.34	17.49	13.68	19.53	20.87	19.06
101.40	233.84	322.36	18.33	18.47	76.39	42.96	21.78	21.63	23.98	23.69	19.94	19.50
101.50	245.55	287.16	15.98	17.50	60.48	27.57	19.92	20.09	23.69	32.18	20.81	19.63
101.60	260.58	207.25	17.88	18.68	59.27	42.63	17.75	16.59	31.73	27.72	18.39	17.76
101.70	211.09	213.20	17.26	19.84	85.50	59.04	18.90	18.61	28.90	24.21	17.45	17.27
101.80	239.22	198.95	18.48	19.92	75.46	55.85	18.55	17.37	32.87	32.57	18.28	17.83
101.90	163.46	138.52	16.50	19.56	75.29	69.65	17.74	17.65	32.70	26.26	17.14	18.61
102.00	176.97	134.63	17.61	20.86	52.73	48.30	17.02	17.51	23.81	35.38	18.20	19.18
102.10	186.05	118.94	17.45	18.94	40.29	38.21	17.22	16.71	17.64	16.68	15.04	16.58
102.20	78.57	53.50	16.00	17.80	28.16	15.87	17.62	18.55	12.47	10.84	19.30	18.66
102.30	191.13	121.41	17.14	20.30	42.30	37.36	17.52	17.34	9.96	18.15	17.36	18.54
102.40	216.34	134.67	18.73	19.81	46.74	40.73	16.47	16.24	23.36	33.83	16.30	16.48
102.50	133.70	130.63	16.32	18.52	48.89	26.65	17.37	17.71	15.02	24.24	15.71	16.11
102.60	204.39	145.81	16.28	18.30	38.47	38.52	17.50	16.72	11.47	27.18	16.05	17.20
102.70	257.30	84.31	15.38	18.91	30.60	35.22	17.11	16.52	19.74	19.48	14.10	15.92
102.80	202.02	156.48	16.29	18.07	30.48	28.67	16.05	16.11	14.99	22.92	17.10	16.71
102.90	169.29	136.94	17.72	18.85	33.71	21.58	18.16	17.14	18.95	14.20	15.00	15.22
103.00	265.52	128.84	19.47	20.54	63.49	33.83	19.08	17.01	17.17	7.88	19.87	19.79
103.10	320.37	170.29	16.76	17.97	72.77	43.09	19.22	17.22	19.78	9.75	17.80	18.67
103.20	306.22	156.95	16.92	17.37	78.49	61.53	19.67	18.85	24.17	24.26	19.46	19.52
103.30	328.00	223.15	16.75	17.46	78.25	72.16	18.70	18.05	21.40	23.24	20.63	21.35
103.40	325.32	179.08	16.79	18.07	56.00	48.76	19.15	19.68	29.59	29.21	21.78	19.79
103.50	214.98	19.65	15.61	12.61	9.73	0.77	11.35	11.28	3.93	2.42	11.17	11.26
103.60	160.58	14.83	17.42	14.90	11.63	1.55	18.09	18.87	8.61	0.21	9.05	7.04

103.70	134.78	43.58	15.98	16.44	18.31	6.09	16.96	14.49	10.81	4.55	21.62	19.62
103.80	298.96	187.64	16.88	19.08	87.02	56.68	19.69	18.84	33.85	30.88	17.77	18.14
103.90	323.79	227.50	17.70	18.81	68.14	39.22	18.38	17.85	27.69	29.57	18.46	16.90
104.00	321.42	261.54	17.60	19.14	63.57	37.62	18.19	16.75	35.62	32.59	18.47	17.28
104.10	287.48	141.98	17.26	18.57	50.94	37.13	19.27	17.86	28.74	20.00	19.31	17.13
104.20	82.40	1.06	10.51	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.30	96.73	7.08	12.19	11.68	0.00	0.00	0.00	0.00	2.66	2.76	11.91	9.31
104.40	109.16	34.84	15.72	19.11	0.00	0.00	0.00	0.00	1.23	0.47	11.01	3.92
104.50	98.83	34.11	10.02	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.60	104.67	19.84	14.54	15.92	0.44	0.00	3.17	0.00	0.00	0.00	0.00	0.00
104.70	113.77	1.76	8.15	3.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.80	106.15	12.64	12.49	5.38	2.80	1.90	10.10	7.23	0.37	0.00	3.04	0.00
104.90	124.91	0.46	11.32	3.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.00	175.58	0.07	12.61	6.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.10	59.19	5.21	11.58	10.52	13.30	9.08	12.58	12.76	0.69	0.34	3.55	5.33
105.20	58.88	15.66	8.48	9.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.30	83.39	2.82	11.18	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.40	74.61	63.16	13.55	13.75	0.00	0.00	0.00	0.00	0.53	0.00	12.63	0.00
105.50	83.06	11.01	11.28	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.60	160.37	24.84	13.54	7.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.70	145.60	159.34	14.75	16.63	54.51	29.73	13.98	14.25	16.04	20.00	15.13	15.68
105.80	112.78	205.24	15.32	17.96	81.38	38.09	13.54	15.91	20.55	17.34	15.34	15.36
105.90	305.66	126.68	17.96	18.20	76.19	72.18	17.26	17.09	27.66	27.58	17.88	15.81
106.00	361.66	94.74	17.59	18.80	71.60	53.13	17.44	16.38	19.83	23.82	17.34	16.83
106.10	362.07	122.03	16.51	17.15	62.06	37.96	17.42	16.01	30.72	19.18	19.04	16.08
106.20	342.03	95.96	18.06	16.65	54.20	30.60	16.93	16.09	22.64	16.09	16.82	15.97
106.30	326.29	106.26	16.16	16.52	52.77	34.68	15.86	15.15	21.73	21.16	17.88	15.64
106.40	272.94	113.50	16.43	17.19	41.13	19.20	17.20	15.32	30.87	21.86	14.12	15.31
106.50	259.38	172.67	17.49	17.01	47.88	30.04	15.32	16.06	20.51	21.19	15.47	15.00
106.60	158.25	244.03	15.29	17.90	76.56	47.71	16.39	17.60	31.78	21.29	16.47	15.21
106.70	301.32	139.11	17.37	18.08	58.16	27.41	16.14	15.69	32.48	16.30	10.24	15.04
106.80	66.38	37.46	13.73	16.04	11.17	2.90	12.21	16.72	7.27	5.84	14.88	6.94
106.90	84.34	30.98	10.68	8.19	0.42	0.00	4.37	0.00	9.84	0.00	6.30	0.00
107.00	96.44	28.39	7.91	6.19	2.68	0.28	14.84	5.31	3.17	0.00	6.46	0.00
107.10	95.56	14.67	7.97	5.37	0.78	0.00	4.53	0.00	2.33	0.12	6.36	9.91
107.20	76.60	2.02	8.05	6.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.30	65.54	0.17	8.21	5.22	0.00	0.00	0.00	0.00	0.37	0.00	7.29	0.00
107.40	80.48	0.60	8.32	5.80	0.00	0.00	0.00	0.00	1.56	0.00	10.31	0.00
107.50	164.82	2.82	8.13	7.89	0.41	0.00	3.43	0.00	0.34	0.00	5.66	0.00
107.60	110.43	0.00	7.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.70	127.51	0.77	9.67	10.83	0.83	0.00	11.40	0.00	2.06	0.39	6.05	8.44
107.80	109.42	42.93	7.25	6.36	3.14	0.00	5.01	0.00	3.56	0.00	5.79	0.00
107.90	113.69	0.25	8.02	8.00	0.00	0.00	0.00	0.00	1.07	0.00	6.73	0.00

108.00	131.39	0.00	9.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.10	80.84	0.04	7.33	3.41	0.00	0.00	0.00	0.00	0.94	0.00	5.46	0.00
108.20	122.47	3.94	8.65	5.95	1.63	0.00	4.81	0.00	0.00	0.00	0.00	0.00
108.30	105.90	46.56	10.28	5.82	1.07	0.36	11.28	6.32	1.93	0.46	7.42	6.59
108.40	136.59	0.01	7.50	9.62	0.00	0.00	0.00	0.00	1.45	0.00	6.64	0.00
108.50	175.20	92.27	16.94	16.47	19.49	11.37	17.45	15.83	4.24	4.53	13.08	14.93
108.60	115.63	30.99	12.60	13.91	5.50	3.02	13.29	12.28	3.34	3.39	7.57	8.94
108.70	119.29	6.15	10.92	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.80	123.62	1.53	12.54	4.53	0.00	0.00	0.00	0.00	0.47	0.00	3.84	0.00
108.90	136.66	32.59	13.73	11.34	5.64	2.99	15.90	13.15	0.00	0.00	0.00	0.00
109.00	85.17	31.17	8.93	16.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.10	18.09	162.25	14.99	12.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.20	18.95	52.08	14.08	14.46	0.48	0.00	9.46	0.00	0.00	0.00	0.00	0.00
109.30	177.56	125.35	16.67	15.53	0.95	2.23	23.08	15.55	0.00	1.08	0.00	6.00
109.40	70.81	158.86	12.68	13.45	0.00	0.00	0.00	0.00	0.53	0.66	4.37	6.56
109.50	125.11	167.08	14.77	13.95	1.07	0.82	11.27	10.86	0.66	1.18	7.66	9.50
109.60	64.07	133.95	13.32	11.40	0.06	0.42	3.65	5.47	1.74	1.71	9.96	4.82
109.70	102.20	40.09	12.44	16.01	4.82	1.89	15.34	18.91	0.00	0.00	0.00	0.00
109.80	71.30	25.97	13.03	10.54	9.40	5.23	11.26	12.02	0.20	0.88	5.74	8.61
109.90	75.17	44.34	13.29	11.48	0.00	0.00	0.00	0.00	0.90	0.13	2.13	3.20
110.00	53.80	82.68	7.80	11.34	0.00	0.00	0.00	0.00	0.46	0.00	5.59	0.00
110.10	104.91	17.61	11.12	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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110.40	50.48	68.17	9.71	7.42	0.00	0.00	0.00	0.00	0.39	0.19	5.53	8.30
110.50	44.71	15.29	11.68	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.60	88.10	13.86	12.73	4.98	0.45	0.00	9.78	0.00	0.90	0.05	2.79	4.18
110.70	80.28	8.28	12.34	10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.80	77.45	14.09	11.81	14.08	0.00	0.00	0.00	0.00	0.51	0.00	6.18	0.00
110.90	87.67	6.77	13.86	12.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.00	43.00	18.45	7.87	9.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.10	20.25	106.70	10.13	14.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.20	35.27	40.87	10.68	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.30	160.20	12.89	14.36	16.49	0.63	0.36	9.24	5.88	1.06	0.46	5.10	7.65
111.40	124.19	0.00	12.04	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	4.76
111.50	143.98	4.50	12.67	17.14	0.04	0.35	12.63	18.95	1.47	0.00	2.53	0.00
111.60	152.72	7.15	13.51	12.13	0.39	0.00	4.77	0.00	0.57	0.00	5.55	0.00
111.70	136.47	13.60	11.69	13.06	0.00	0.00	0.00	0.00	0.16	0.94	1.77	7.88
111.80	116.16	47.67	13.44	11.76	0.00	0.00	0.00	0.00	0.00	0.60	0.00	3.55
111.90	58.38	44.89	11.24	15.31	1.00	0.77	8.63	6.81	1.06	0.93	10.74	3.31
112.00	58.78	78.82	12.86	12.96	0.11	0.24	3.33	4.99	0.50	0.79	11.42	7.26
112.10	75.89	88.21	13.99	15.43	0.00	0.38	0.00	5.28	0.00	0.00	0.00	0.00
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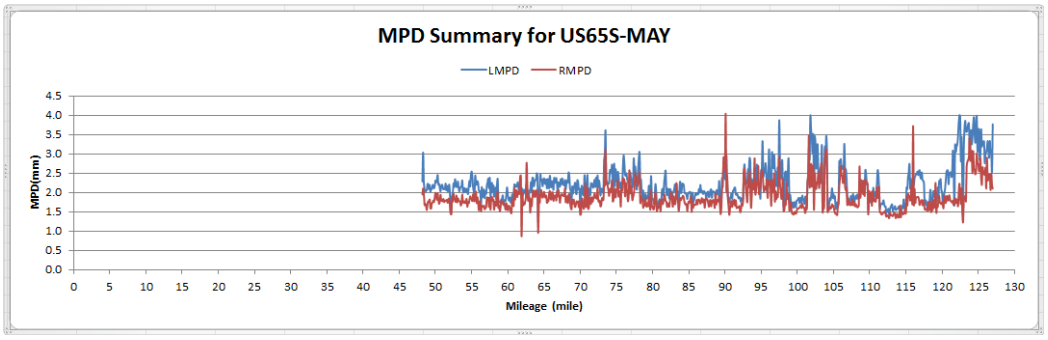
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113.10	79.31	0.00	14.41	0.00	0.59	0.78	10.12	7.53	1.39	0.21	7.63	6.74
113.20	65.84	0.98	9.57	3.11	0.07	0.42	4.46	6.68	0.52	0.00	2.90	0.00
113.30	128.53	1.40	12.02	14.24	0.00	0.00	0.00	0.00	0.45	0.00	4.32	0.00
113.40	87.64	1.34	11.45	20.17	0.00	0.00	0.00	0.00	0.73	0.82	9.25	5.55
113.50	47.50	1.88	15.01	13.53	0.00	0.00	0.00	0.00	0.15	0.35	5.15	7.72
113.60	83.89	3.19	11.33	12.74	0.00	0.00	0.00	0.00	0.50	0.51	8.23	6.17
113.70	102.50	4.12	11.30	10.14	0.50	0.00	2.39	0.00	0.38	0.52	3.43	4.49
113.80	124.21	22.77	13.23	16.07	0.00	0.00	0.00	0.00	1.36	1.39	5.55	11.49
113.90	139.60	59.79	14.65	15.34	1.38	0.64	6.99	7.69	1.25	1.16	7.96	12.57
114.00	126.38	85.80	13.84	14.18	0.09	0.84	4.15	6.22	0.79	0.83	7.10	23.39
114.10	101.96	26.24	15.03	14.71	0.00	0.00	0.00	0.00	0.49	0.65	4.45	9.74
114.20	76.24	52.25	12.93	13.27	0.00	0.00	0.00	0.00	1.99	1.52	7.85	12.16
114.30	83.44	66.36	13.26	14.94	0.00	0.00	0.00	0.00	0.58	1.31	3.62	5.82
114.40	83.00	15.08	12.31	14.26	0.49	0.00	4.50	0.00	1.41	0.29	10.22	15.33
114.50	183.55	17.62	13.14	12.66	0.41	0.00	2.47	0.00	0.50	0.00	4.48	0.00
114.60	133.19	11.03	13.67	7.48	0.00	0.00	0.00	0.00	0.13	0.35	5.36	8.04
114.70	183.47	37.16	13.48	12.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114.80	112.22	27.63	11.89	14.27	0.00	0.00	0.00	0.00	0.47	0.15	5.21	7.82
114.90	37.49	109.29	13.89	18.40	2.93	1.10	12.23	6.24	2.41	2.39	16.20	15.30
115.00	63.24	6.27	13.11	17.63	2.33	1.96	18.98	21.66	8.25	0.00	14.43	0.00
115.10	85.72	0.00	13.78	0.00	1.85	0.00	5.52	0.00	14.47	0.00	6.56	0.00
115.20	132.79	0.00	10.82	0.00	1.47	0.00	3.18	0.00	7.06	0.00	7.20	0.00
115.30	61.98	2.37	12.35	1.65	5.34	0.00	4.80	0.00	20.59	0.00	6.29	0.00
115.40	74.16	0.00	7.49	0.00	6.14	0.00	4.04	0.00	30.02	0.41	10.50	5.34
115.50	93.66	0.43	10.93	2.41	0.72	0.00	8.00	0.00	4.55	0.00	5.86	0.00
115.60	56.08	0.00	10.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.70	58.40	15.24	11.05	8.68	2.20	0.00	10.71	0.00	3.55	0.00	8.06	0.00
115.80	49.25	1.62	6.96	8.53	1.00	0.00	7.09	0.00	1.05	0.00	10.69	0.00
115.90	32.35	0.00	7.38	0.00	0.88	0.00	4.50	0.00	1.96	0.00	6.97	0.00
116.00	7.11	0.00	11.71	0.00	0.00	0.00	0.00	0.00	3.16	0.00	6.55	0.00
116.10	33.29	2.05	13.46	5.33	1.33	0.00	4.69	0.00	14.85	0.00	7.28	0.00
116.20	110.33	6.66	11.93	8.57	5.08	0.00	4.50	0.00	55.39	0.00	6.46	0.00
116.30	81.93	4.92	12.79	9.49	5.46	0.00	9.76	0.00	36.98	2.32	16.73	12.97
116.40	143.92	0.46	10.15	7.61	1.18	0.00	4.47	0.00	4.38	0.00	4.90	0.00
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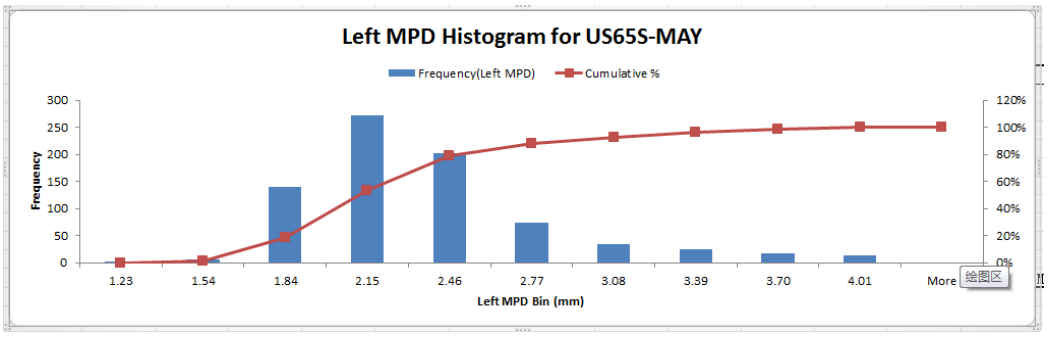
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116.80	109.50	0.00	12.68	0.00	1.70	0.00	2.96	0.00	4.17	0.00	4.86	0.00
116.90	66.01	3.69	10.79	7.39	11.53	0.00	4.20	0.00	66.33	0.21	7.26	8.06
117.00	68.82	7.92	9.21	9.05	8.77	0.00	3.49	0.00	45.64	0.00	7.19	0.00
117.10	61.82	0.20	13.46	5.41	6.13	0.00	3.25	0.00	37.60	0.00	16.35	0.00
117.20	45.90	0.13	10.94	5.59	3.19	0.00	2.96	0.00	20.60	0.00	6.52	0.00
117.30	66.70	4.06	13.11	8.39	1.75	0.00	4.17	0.00	9.13	0.00	6.24	0.00
117.40	78.27	4.44	12.12	1.84	2.80	0.00	4.12	0.00	10.62	0.00	6.92	0.00
117.50	96.31	1.98	11.82	6.75	2.03	1.19	15.77	7.72	10.13	0.00	6.38	0.00
117.60	82.48	0.00	12.31	0.00	7.10	0.00	4.15	0.00	21.58	0.00	6.67	0.00
117.70	115.14	0.00	9.84	0.00	9.09	0.00	3.93	0.00	37.62	0.26	6.65	9.54
117.80	103.42	0.00	9.95	0.00	2.52	0.00	3.80	0.00	17.66	0.00	6.77	0.00
117.90	106.08	0.00	12.53	0.00	1.96	0.00	4.73	0.00	7.20	0.00	6.34	0.00
118.00	96.46	2.06	12.50	19.66	2.93	2.83	16.96	19.31	6.51	0.26	7.10	7.13
118.10	162.83	20.07	14.89	18.74	1.62	1.59	8.82	12.10	4.15	0.55	16.27	13.75
118.20	227.49	26.27	14.57	12.20	3.52	1.18	13.80	11.39	12.36	1.22	9.15	10.25
118.30	166.46	19.08	14.06	10.10	4.69	4.94	15.78	13.75	2.57	1.38	8.65	14.90
118.40	190.15	44.05	14.36	12.85	9.26	4.74	11.19	13.64	22.68	1.19	12.90	4.92
118.50	98.23	21.22	14.55	13.06	10.88	2.36	15.36	14.87	40.27	0.95	10.23	15.23
118.60	21.89	0.00	7.67	0.00	0.50	0.00	3.71	0.00	4.25	0.00	5.35	0.00
118.70	54.37	0.46	9.16	5.96	2.18	0.00	3.86	0.00	22.38	0.00	6.38	0.00
118.80	89.88	4.68	8.47	6.19	6.06	0.00	4.84	0.00	58.95	0.00	7.94	0.00
118.90	75.58	0.77	9.43	6.23	5.87	0.00	4.35	0.00	36.94	0.00	6.89	0.00
119.00	87.23	0.87	14.07	5.55	6.62	0.00	4.45	0.00	29.25	0.00	6.90	0.00
119.10	48.54	0.00	13.29	0.00	5.48	0.00	4.96	0.00	28.76	0.00	6.85	0.00
119.20	139.05	0.00	9.84	0.00	1.83	0.00	2.99	0.00	29.78	0.00	6.57	0.00
119.30	77.55	0.09	9.47	9.62	4.25	0.00	3.85	0.00	36.79	0.00	6.40	0.00
119.40	39.95	0.03	13.78	9.22	5.24	0.41	4.33	5.55	30.89	0.00	6.38	0.00
119.50	33.74	0.00	9.75	0.00	0.82	0.00	3.54	0.00	18.88	0.00	6.16	0.00
119.60	96.03	0.97	12.32	1.61	1.82	0.00	6.81	0.00	18.15	0.00	6.58	0.00
119.70	74.48	0.00	10.26	0.00	6.58	0.00	3.64	0.00	23.05	0.22	10.42	12.56
119.80	51.52	0.01	9.00	8.25	1.35	0.00	2.24	0.00	9.44	0.00	5.54	0.00
119.90	77.56	0.00	9.38	0.00	0.68	0.00	4.73	0.00	0.48	0.00	2.87	0.00
120.00	220.59	0.00	13.17	0.00	1.00	0.00	7.01	0.00	2.78	0.00	8.09	0.00
120.10	114.73	0.00	9.27	0.00	0.50	0.00	8.63	0.00	3.44	0.00	6.04	0.00
120.20	97.08	0.00	9.51	0.00	1.62	0.00	8.49	0.00	3.63	0.19	4.55	2.97
120.30	56.36	0.00	8.75	0.00	0.00	0.00	0.00	0.00	1.12	0.00	6.57	0.00
120.40	44.83	0.00	11.66	0.00	0.42	0.00	5.34	0.00	3.98	0.00	6.12	0.00
120.50	71.91	0.00	9.87	0.00	0.00	0.00	0.00	0.00	5.51	0.00	6.34	0.00
120.60	139.31	0.00	11.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.70	126.41	0.00	9.88	0.00	0.95	0.00	1.20	0.00	0.00	0.00	0.00	0.00
120.80	134.73	0.00	9.92	0.00	0.35	0.00	7.14	0.00	3.08	0.00	9.49	0.00

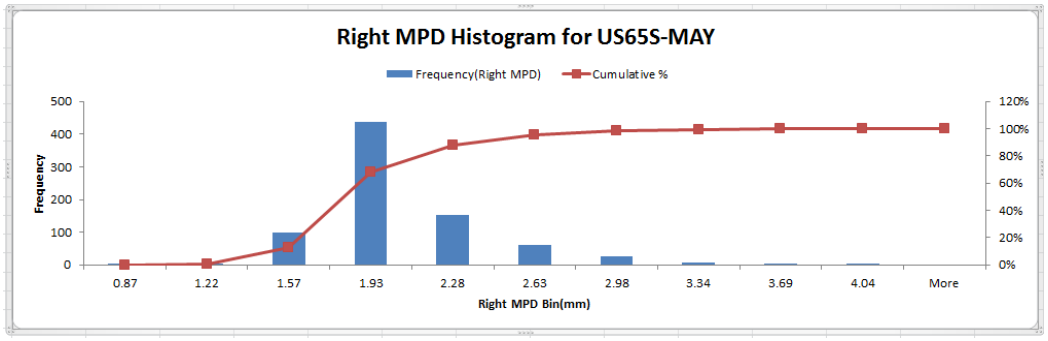
120.90	99.87	0.77	11.01	1.77	2.01	0.00	6.30	0.00	4.14	0.00	5.54	0.00
121.00	30.80	0.31	6.38	9.57	4.43	0.00	4.81	0.00	39.05	0.00	6.73	0.00
121.10	29.59	0.00	11.41	0.00	0.00	0.00	0.00	0.00	3.43	0.00	5.86	0.00
121.20	36.60	1.93	12.65	1.36	8.08	0.00	5.09	0.00	68.51	0.06	7.00	4.54
121.30	28.86	0.00	11.87	0.00	6.04	0.44	7.78	6.05	41.74	0.00	13.41	0.00
121.40	33.07	0.96	6.38	1.48	0.84	0.00	3.15	0.00	4.50	0.00	6.89	0.00
121.50	38.52	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.60	44.16	0.00	6.19	0.00	0.00	0.00	0.00	0.00	0.52	0.00	5.45	0.00
121.70	20.09	0.00	5.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.80	10.21	0.68	5.05	3.19	0.00	0.00	0.00	0.00	0.15	1.12	11.90	17.84
121.90	2.04	1.94	1.02	1.89	0.00	0.00	0.00	0.00	0.40	0.00	5.30	0.00
122.00	35.56	7.90	5.47	6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.10	26.39	6.08	5.66	1.90	0.00	0.00	0.00	0.00	0.71	0.00	4.02	0.00
122.20	9.84	3.10	7.32	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.30	14.31	25.71	5.54	1.98	0.00	0.00	0.00	0.00	2.74	0.00	7.36	0.00
122.40	44.45	23.96	6.40	1.92	1.75	0.00	3.53	0.00	2.61	0.00	5.12	0.00
122.50	14.11	13.46	4.81	6.04	0.99	0.00	3.46	0.00	4.90	0.00	5.66	0.00
122.60	2.36	5.50	3.31	2.73	0.00	0.00	0.00	0.00	0.34	0.00	4.45	0.00
122.70	10.62	3.00	4.97	1.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.80	40.26	0.00	3.80	0.00	12.44	9.65	13.51	13.82	0.00	0.00	0.00	0.00
122.90	15.57	4.54	3.30	5.49	13.16	10.38	9.39	9.25	0.00	0.00	0.00	0.00
123.00	13.78	13.67	6.39	4.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.10	12.57	15.15	5.75	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.20	13.91	3.17	6.38	2.07	0.92	0.00	1.12	0.00	3.43	0.00	4.98	0.00
123.30	17.57	14.00	7.68	8.76	2.79	0.36	10.85	12.26	4.69	0.00	4.88	0.00
123.40	23.95	62.12	12.43	8.25	8.12	0.74	13.93	12.54	0.14	1.45	2.98	10.35
123.50	13.31	62.93	12.57	7.37	2.37	0.00	6.11	0.00	0.53	0.00	4.09	0.00
123.60	28.96	76.39	11.61	12.23	7.11	0.65	12.14	8.40	0.92	1.15	5.95	10.24
123.70	79.71	49.54	13.89	16.59	3.25	0.41	10.22	5.66	1.73	0.93	8.92	7.30
123.80	59.00	77.47	11.86	11.60	2.24	0.34	18.32	11.64	1.08	1.09	10.43	9.81
123.90	61.98	29.92	16.02	18.43	0.96	0.00	2.79	0.00	0.51	0.45	2.63	4.40
124.00	21.97	56.46	10.87	6.92	3.08	1.58	9.47	7.13	0.02	0.62	8.49	12.74
124.10	49.22	69.63	15.50	13.51	5.29	0.72	5.24	7.06	1.05	0.00	4.57	0.00
124.20	57.92	13.07	12.27	15.63	0.48	0.00	3.73	0.00	1.16	0.89	8.69	7.94
124.30	3.86	42.25	3.20	10.10	0.97	0.00	8.55	0.00	1.03	0.06	12.65	5.29
124.40	69.74	34.88	11.50	16.08	4.10	4.10	19.19	18.77	2.71	1.07	9.12	6.05
124.50	34.64	108.97	15.03	15.80	5.40	3.09	19.25	14.23	3.45	2.85	16.66	17.88
124.60	75.34	59.13	13.64	6.95	2.44	0.78	11.41	5.90	0.43	0.00	2.49	0.00
124.70	29.60	89.20	14.46	15.03	3.85	0.41	6.67	10.87	0.00	0.00	0.00	0.00
124.80	60.05	62.58	14.42	14.35	8.58	5.84	19.65	20.80	1.11	1.78	12.87	11.31
124.90	39.19	52.09	13.29	14.03	0.49	0.00	7.41	0.00	0.09	0.45	5.35	8.02
125.00	24.99	64.37	15.77	7.52	2.88	3.22	17.34	11.03	0.19	0.43	3.47	5.21
125.10	44.29	40.52	12.62	13.71	3.83	2.45	8.85	8.60	14.17	13.53	22.56	23.56

125.20	64.62	42.96	14.21	14.00	1.69	1.21	4.89	6.48	0.13	0.40	5.73	8.59
125.30	46.78	43.90	13.80	13.84	4.74	1.25	9.56	6.24	1.56	0.00	12.23	0.00
125.40	20.62	37.22	9.91	14.50	7.24	3.46	14.01	10.68	0.14	1.21	9.66	11.92
125.50	4.19	44.12	15.22	13.19	8.41	4.43	19.53	9.89	1.16	3.10	17.01	6.81
125.60	30.53	64.92	14.14	17.85	6.13	7.96	20.93	11.28	1.07	2.11	7.62	10.57
125.70	45.72	47.05	6.92	15.15	1.90	0.00	11.02	0.00	0.87	1.77	8.84	7.40
125.80	31.91	93.76	11.55	6.90	3.31	0.00	4.01	0.00	0.00	0.00	0.00	0.00
125.90	60.79	99.07	15.12	15.35	3.71	1.48	10.41	12.79	1.83	0.47	7.47	5.43
126.00	70.27	87.83	15.67	14.15	10.02	3.20	18.29	16.27	2.74	1.46	17.87	16.77
126.10	99.35	56.81	13.73	13.99	0.26	0.75	12.73	19.09	2.28	4.77	10.16	8.93
126.20	76.93	121.09	12.27	14.33	3.15	0.00	10.24	0.00	1.03	0.33	10.34	6.97
126.30	153.00	83.38	13.98	14.12	1.57	0.36	8.81	1.11	2.76	0.74	4.27	5.71
126.40	96.36	117.04	13.18	13.10	4.22	1.06	11.21	16.16	2.18	1.94	11.69	10.70
126.50	103.03	81.97	13.85	13.85	2.07	0.81	6.59	5.61	0.00	0.00	0.00	0.00
126.60	81.11	26.03	13.33	15.71	3.02	2.02	16.78	10.26	1.47	0.74	4.22	6.33
126.70	59.28	22.00	9.53	13.41	4.91	2.86	9.55	8.91	1.13	0.97	8.00	9.11
126.80	112.99	30.46	13.19	13.16	0.49	0.00	5.56	0.00	0.89	0.45	6.05	12.58
126.90	33.02	72.59	13.27	17.39	7.60	6.17	16.41	15.84	11.04	8.06	14.55	16.69

MPD Data


MPD Summary for US65S-MAY
LMPD
RMPD
MPD(mm)
Mileage (mile)


Left MPD Histogram for US65S-MAY
Frequency(Left MPD)
Cumulative %
Frequency
Left MPD Bin (mm)
绘图区


Right MPD Histogram for US65S-MAY
Frequency(Right MPD)
Cumulative %
Frequency
Right MPD Bin(mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0-48.2	Missing			
48.20	0 / 0	0 / 1365	2.29	1.95
48.30	70 / 819	71 / 136	3.04	2.10
48.40	140 / 1638	141 / 955	2.26	1.96
48.50	211 / 409	211 / 1774	2.08	1.67
48.60	281 / 1228	282 / 545	2.01	1.71
48.70	351 / 2047	352 / 1364	2.07	1.65
48.80	422 / 818	423 / 135	2.06	1.55
48.90	492 / 1637	493 / 954	2.23	1.71
49.00	563 / 408	563 / 1773	2.22	1.78
49.10	633 / 1227	634 / 544	2.09	1.75
49.20	703 / 2046	704 / 1363	2.20	1.82
49.30	774 / 817	775 / 134	2.02	1.59
49.40	844 / 1636	845 / 953	2.12	1.59
49.50	915 / 407	915 / 1772	2.09	1.73
49.60	985 / 1226	986 / 543	2.20	1.74
49.70	1055 / 2045	1056 / 1362	2.18	1.79
49.80	1126 / 816	1127 / 133	2.11	1.75
49.90	1196 / 1635	1197 / 952	2.17	1.88
50.00	1267 / 406	1267 / 1771	2.32	2.00
50.10	1337 / 1225	1338 / 542	2.26	1.93
50.20	1407 / 2044	1408 / 1361	2.33	1.81
50.30	1478 / 815	1479 / 132	2.45	1.99
50.40	1548 / 1634	1549 / 951	2.20	1.82
50.50	1619 / 405	1619 / 1770	2.23	1.71
50.60	1689 / 1224	1690 / 541	2.12	1.77
50.70	1759 / 2043	1760 / 1360	2.03	1.95
50.80	1830 / 814	1831 / 131	2.17	1.79
50.90	1900 / 1633	1901 / 950	2.21	1.82
51.00	1971 / 404	1971 / 1769	2.15	1.77
51.10	2041 / 1223	2042 / 540	2.08	1.84
51.20	2111 / 2042	2112 / 1359	2.10	1.76
51.30	2182 / 813	2183 / 130	2.09	1.78
51.40	2252 / 1632	2253 / 949	2.24	1.80
51.50	2323 / 403	2323 / 1768	2.06	1.79
51.60	2393 / 1222	2394 / 539	2.18	1.81
51.70	2463 / 2041	2464 / 1358	2.03	1.73
51.80	2534 / 812	2535 / 129	2.05	1.84
51.90	2604 / 1631	2605 / 948	2.21	1.83
52.00	2675 / 402	2675 / 1767	1.98	1.68
52.10	2745 / 1221	2746 / 538	1.49	1.45

52.20	2815 / 2040	2816 / 1357	1.59	1.44
52.30	2886 / 811	2887 / 128	1.90	1.87
52.40	2956 / 1630	2957 / 947	2.00	1.77
52.50	3027 / 401	3027 / 1766	2.24	1.97
52.60	3097 / 1220	3098 / 537	2.14	1.84
52.70	3167 / 2039	3168 / 1356	2.35	1.82
52.80	3238 / 810	3239 / 127	2.24	1.76
52.90	3308 / 1629	3309 / 946	2.14	1.92
53.00	3379 / 400	3379 / 1765	2.16	1.75
53.10	3449 / 1219	3450 / 536	2.29	1.85
53.20	3519 / 2038	3520 / 1355	2.11	1.80
53.30	3590 / 809	3591 / 126	2.03	1.78
53.40	3660 / 1628	3661 / 945	2.12	1.77
53.50	3731 / 399	3731 / 1764	2.15	1.67
53.60	3801 / 1218	3802 / 535	2.16	1.71
53.70	3871 / 2037	3872 / 1354	2.32	1.95
53.80	3942 / 808	3943 / 125	2.04	1.75
53.90	4012 / 1627	4013 / 944	2.00	1.74
54.00	4083 / 398	4083 / 1763	2.12	1.78
54.10	4153 / 1217	4154 / 534	2.06	1.73
54.20	4223 / 2036	4224 / 1353	2.01	1.75
54.30	4294 / 807	4295 / 124	2.10	1.84
54.40	4364 / 1626	4365 / 943	2.04	1.64
54.50	4435 / 397	4435 / 1762	1.96	1.75
54.60	4505 / 1216	4506 / 533	2.16	1.72
54.70	4575 / 2035	4576 / 1352	2.30	1.81
54.80	4646 / 806	4647 / 123	2.16	1.91
54.90	0 / 0	0 / 1365	2.46	1.84
55.00	70 / 819	71 / 136	2.55	1.83
55.10	140 / 1638	141 / 955	2.42	1.78
55.20	211 / 409	211 / 1774	2.14	1.96
55.30	281 / 1228	282 / 545	2.02	1.84
55.40	351 / 2047	352 / 1364	1.98	1.78
55.50	422 / 818	423 / 135	2.44	1.98
55.60	492 / 1637	493 / 954	2.23	2.02
55.70	563 / 408	563 / 1773	2.20	1.73
55.80	633 / 1227	634 / 544	2.30	1.88
55.90	703 / 2046	704 / 1363	2.23	1.73
56.00	774 / 817	775 / 134	2.04	1.54
56.10	844 / 1636	845 / 953	2.04	1.76
56.20	915 / 407	915 / 1772	2.03	1.78
56.30	985 / 1226	986 / 543	1.68	1.51
56.40	1055 / 2045	1056 / 1362	2.14	1.66

56.50	1126 / 816	1127 / 133	1.88	1.64
56.60	1196 / 1635	1197 / 952	2.00	1.63
56.70	1267 / 406	1267 / 1771	2.08	1.66
56.80	1337 / 1225	1338 / 542	1.86	1.56
56.90	1407 / 2044	1408 / 1361	2.03	1.61
57.00	1478 / 815	1479 / 132	1.97	1.62
57.10	1548 / 1634	1549 / 951	2.19	1.87
57.20	1619 / 405	1619 / 1770	2.27	1.86
57.30	1689 / 1224	1690 / 541	2.36	1.87
57.40	1759 / 2043	1760 / 1360	2.11	1.63
57.50	1830 / 814	1831 / 131	2.39	1.87
57.60	1900 / 1633	1901 / 950	1.92	1.55
57.70	1971 / 404	1971 / 1769	2.09	1.82
57.80	2041 / 1223	2042 / 540	2.26	1.89
57.90	2111 / 2042	2112 / 1359	2.02	1.79
58.00	2182 / 813	2183 / 130	2.19	1.83
58.10	2252 / 1632	2253 / 949	1.89	1.56
58.20	2323 / 403	2323 / 1768	2.10	1.75
58.30	2393 / 1222	2394 / 539	2.13	1.77
58.40	2463 / 2041	2464 / 1358	1.82	1.66
58.50	2534 / 812	2535 / 129	2.20	1.89
58.60	2604 / 1631	2605 / 948	2.35	2.02
58.70	2675 / 402	2675 / 1767	1.80	1.61
58.80	2745 / 1221	2746 / 538	1.75	1.67
58.90	2815 / 2040	2816 / 1357	1.77	1.52
59.00	2886 / 811	2887 / 128	1.73	1.62
59.10	2956 / 1630	2957 / 947	1.83	1.79
59.20	3027 / 401	3027 / 1766	1.83	1.73
59.30	3097 / 1220	3098 / 537	1.93	1.75
59.40	3167 / 2039	3168 / 1356	1.68	1.69
59.50	3238 / 810	3239 / 127	1.80	1.73
59.60	3308 / 1629	3309 / 946	1.77	1.64
59.70	3379 / 400	3379 / 1765	1.80	1.56
59.80	3449 / 1219	3450 / 536	1.97	1.73
59.90	3519 / 2038	3520 / 1355	2.14	1.58
60.00	3590 / 809	3591 / 126	1.95	1.54
60.10	3660 / 1628	3661 / 945	1.82	1.66
60.20	3731 / 399	3731 / 1764	1.79	1.64
60.30	3801 / 1218	3802 / 535	1.88	1.57
60.40	3871 / 2037	3872 / 1354	1.74	1.50
60.50	3942 / 808	3943 / 125	1.75	1.46
60.60	4012 / 1627	4013 / 944	1.96	1.82
60.70	4083 / 398	4083 / 1763	1.82	1.67

60.80	4153 / 1217	4154 / 534	1.90	1.65
60.90	4223 / 2036	4224 / 1353	2.21	2.12
61.00	4294 / 807	4295 / 124	2.15	1.82
61.10	4364 / 1626	4365 / 943	2.20	2.06
61.20	4435 / 397	4435 / 1762	2.15	2.05
61.30	4505 / 1216	4506 / 533	2.23	1.88
61.40	4575 / 2035	4576 / 1352	2.27	2.03
61.50	4646 / 806	4647 / 123	2.07	2.00
61.60	4716 / 1625	4717 / 942	2.15	1.96
61.70	4787 / 396	4787 / 1761	2.18	2.42
61.80	4857 / 1215	4858 / 532	2.02	2.44
61.90	4927 / 2034	4928 / 1351	2.12	0.87
62.00	4998 / 805	4999 / 122	2.04	1.96
62.10	5068 / 1624	5069 / 941	1.94	1.67
62.20	5139 / 395	5139 / 1760	2.08	1.74
62.30	5209 / 1214	5210 / 531	1.99	1.69
62.40	5279 / 2033	5280 / 1350	2.00	1.77
62.50	5350 / 804	5351 / 121	2.11	1.91
62.60	5420 / 1623	5421 / 940	2.21	2.77
62.70	5491 / 394	5491 / 1759	1.99	2.14
62.80	5561 / 1213	5562 / 530	2.02	1.79
62.90	5631 / 2032	5632 / 1349	1.90	1.89
63.00	5702 / 803	5703 / 120	2.05	1.87
63.10	5772 / 1622	5773 / 939	2.06	1.49
63.20	5843 / 393	5843 / 1758	2.27	1.83
63.30	5913 / 1212	5914 / 529	2.00	1.65
63.40	5983 / 2031	5984 / 1348	2.39	1.89
63.50	6054 / 802	6055 / 119	2.38	2.06
63.60	6124 / 1621	6125 / 938	2.17	1.89
63.70	6195 / 392	6195 / 1757	2.26	2.05
63.80	6265 / 1211	6266 / 528	2.33	1.89
63.90	6335 / 2030	6336 / 1347	2.33	2.06
64.00	6406 / 801	6407 / 118	2.50	2.00
64.10	6476 / 1620	6477 / 937	2.45	2.05
64.20	6547 / 391	6547 / 1756	1.23	0.96
64.30	6617 / 1210	6618 / 527	1.98	1.92
64.40	6687 / 2029	6688 / 1346	2.09	1.73
64.50	6758 / 800	6759 / 117	2.47	1.94
64.60	6828 / 1619	6829 / 936	2.31	2.07
64.70	6899 / 390	6899 / 1755	2.34	1.94
64.80	6969 / 1209	6970 / 526	2.16	1.87
64.90	7039 / 2028	7040 / 1345	2.31	1.93
65.00	7110 / 799	7111 / 116	2.37	2.02

65.10	7180 / 1618	7181 / 935	2.24	1.92
65.20	7251 / 389	7251 / 1754	2.23	1.87
65.30	7321 / 1208	7322 / 525	2.34	1.92
65.40	7391 / 2027	7392 / 1344	2.11	1.74
65.50	7462 / 798	7463 / 115	2.35	1.83
65.60	7532 / 1617	7533 / 934	2.31	1.78
65.70	7603 / 388	7603 / 1753	2.11	1.98
65.80	7673 / 1207	7674 / 524	2.44	2.04
65.90	7743 / 2026	7744 / 1343	2.29	1.84
66.00	7814 / 797	7815 / 114	2.14	1.82
66.10	7884 / 1616	7885 / 933	2.30	2.01
66.20	7955 / 387	7955 / 1752	2.28	2.00
66.30	8025 / 1206	8026 / 523	2.07	1.79
66.40	8095 / 2025	8096 / 1342	2.38	1.89
66.50	8166 / 796	8167 / 113	2.26	1.93
66.60	8236 / 1615	8237 / 932	2.29	1.92
66.70	8307 / 386	8307 / 1751	2.38	1.79
66.80	8377 / 1205	8378 / 522	2.19	2.04
66.90	8447 / 2024	8448 / 1341	2.00	1.90
67.00	8518 / 795	8519 / 112	2.26	2.06
67.10	8588 / 1614	8589 / 931	2.20	1.92
67.20	8659 / 385	8659 / 1750	2.16	1.74
67.30	8729 / 1204	8730 / 521	2.35	1.88
67.40	8799 / 2023	8800 / 1340	2.21	1.95
67.50	8870 / 794	8871 / 111	2.37	1.96
67.60	8940 / 1613	8941 / 930	2.28	1.93
67.70	9011 / 384	9011 / 1749	2.20	1.91
67.80	9081 / 1203	9082 / 520	2.19	1.91
67.90	9151 / 2022	9152 / 1339	2.33	2.11
68.00	9222 / 793	9223 / 110	2.09	1.75
68.10	9292 / 1612	9293 / 929	2.24	1.79
68.20	9363 / 383	9363 / 1748	2.32	1.91
68.30	9433 / 1202	9434 / 519	2.26	1.73
68.40	9503 / 2021	9504 / 1338	2.52	1.93
68.50	9574 / 792	9575 / 109	2.43	1.96
68.60	9644 / 1611	9645 / 928	2.11	1.75
68.70	9715 / 382	9715 / 1747	2.04	1.61
68.80	9785 / 1201	9786 / 518	1.79	1.57
68.90	9855 / 2020	9856 / 1337	2.16	1.82
69.00	9926 / 791	9927 / 108	1.98	1.72
69.10	9996 / 1610	9997 / 927	2.14	1.82
69.20	10067 / 381	10067 / 1746	2.18	1.69
69.30	10137 / 1200	10138 / 517	2.25	1.63

69.40	10207 / 2019	10208 / 1336	1.99	1.69
69.50	10278 / 790	10279 / 107	1.96	1.78
69.60	10348 / 1609	10349 / 926	2.32	1.73
69.70	10419 / 380	10419 / 1745	2.29	1.77
69.80	10489 / 1199	10490 / 516	2.07	1.62
69.90	10559 / 2018	10560 / 1335	2.10	1.78
70.00	10630 / 789	10631 / 106	1.65	1.43
70.10	10700 / 1608	10701 / 925	1.84	1.45
70.20	10771 / 379	10771 / 1744	2.17	1.79
70.30	10841 / 1198	10842 / 515	2.12	1.84
70.40	10911 / 2017	10912 / 1334	1.96	1.64
70.50	10982 / 788	10983 / 105	1.93	1.58
70.60	11052 / 1607	11053 / 924	2.45	1.70
70.70	11123 / 378	11123 / 1743	2.10	2.23
70.80	11193 / 1197	11194 / 514	1.99	1.64
70.90	11263 / 2016	11264 / 1333	2.12	1.76
71.00	11334 / 787	11335 / 104	2.45	2.11
71.10	11404 / 1606	11405 / 923	1.89	1.58
71.20	11475 / 377	11475 / 1742	2.01	1.60
71.30	11545 / 1196	11546 / 513	2.10	1.88
71.40	11615 / 2015	11616 / 1332	1.93	1.71
71.50	11686 / 786	11687 / 103	2.24	1.71
71.60	11756 / 1605	11757 / 922	2.15	1.88
71.70	11827 / 376	11827 / 1741	2.22	1.76
71.80	11897 / 1195	11898 / 512	2.13	1.83
71.90	11967 / 2014	11968 / 1331	2.26	1.90
72.00	12038 / 785	12039 / 102	2.33	1.98
72.10	12108 / 1604	12109 / 921	2.15	1.86
72.20	12179 / 375	12179 / 1740	2.39	1.89
72.30	12249 / 1194	12250 / 511	2.15	1.84
72.40	12319 / 2013	12320 / 1330	2.45	2.12
72.50	12390 / 784	12391 / 101	2.14	1.80
72.60	12460 / 1603	12461 / 920	2.31	1.75
72.70	12531 / 374	12531 / 1739	2.19	1.79
72.80	12601 / 1193	12602 / 510	1.92	1.64
72.90	12671 / 2012	12672 / 1329	2.09	1.68
73.00	12742 / 783	12743 / 100	2.10	1.86
73.10	12812 / 1602	12813 / 919	2.03	1.85
73.20	12883 / 373	12883 / 1738	1.99	1.81
73.30	12953 / 1192	12954 / 509	2.84	2.19
73.40	13023 / 2011	13024 / 1328	2.98	2.18
73.50	13094 / 782	13095 / 99	3.60	3.11
73.60	13164 / 1601	13165 / 918	2.29	2.22

73.70	13235 / 372	13235 / 1737	2.28	2.23
73.80	13305 / 1191	13306 / 508	2.22	2.16
73.90	13375 / 2010	13376 / 1327	2.23	2.05
74.00	13446 / 781	13447 / 98	2.25	1.91
74.10	13516 / 1600	13517 / 917	2.58	2.10
74.20	13587 / 371	13587 / 1736	2.50	2.01
74.30	13657 / 1190	13658 / 507	2.52	2.10
74.40	13727 / 2009	13728 / 1326	2.71	2.31
74.50	13798 / 780	13799 / 97	2.10	1.77
74.60	13868 / 1599	13869 / 916	2.20	1.80
74.70	13939 / 370	13939 / 1735	2.75	2.03
74.80	14009 / 1189	14010 / 506	2.17	2.10
74.90	14079 / 2008	14080 / 1325	2.61	1.87
75.00	14150 / 779	14151 / 96	2.31	2.05
75.10	14220 / 1598	14221 / 915	2.29	2.09
75.20	14291 / 369	14291 / 1734	2.54	2.33
75.30	14361 / 1188	14362 / 505	2.44	1.90
75.40	14431 / 2007	14432 / 1324	2.18	1.91
75.50	14502 / 778	14503 / 95	2.11	2.03
75.60	14572 / 1597	14573 / 914	2.26	1.64
75.70	14643 / 368	14643 / 1733	2.07	2.10
75.80	14713 / 1187	14714 / 504	2.07	2.04
75.90	14783 / 2006	14784 / 1323	2.62	2.37
76.00	14854 / 777	14855 / 94	2.96	2.29
76.10	14924 / 1596	14925 / 913	2.78	2.34
76.20	14995 / 367	14995 / 1732	2.47	1.90
76.30	15065 / 1186	15066 / 503	2.43	2.25
76.40	15135 / 2005	15136 / 1322	2.50	2.11
76.50	15206 / 776	15207 / 93	2.34	2.01
76.60	15276 / 1595	15277 / 912	2.28	1.77
76.70	15347 / 366	15347 / 1731	2.10	1.91
76.80	15417 / 1185	15418 / 502	2.23	2.58
76.90	15487 / 2004	15488 / 1321	2.52	1.99
77.00	15558 / 775	15559 / 92	2.39	2.18
77.10	15628 / 1594	15629 / 911	2.29	2.07
77.20	15699 / 365	15699 / 1730	2.13	1.81
77.30	15769 / 1184	15770 / 501	2.26	1.88
77.40	15839 / 2003	15840 / 1320	2.89	1.97
77.50	15910 / 774	15911 / 91	2.43	2.15
77.60	15980 / 1593	15981 / 910	2.68	2.50
77.70	16051 / 364	16051 / 1729	2.31	2.33
77.80	16121 / 1183	16122 / 500	2.08	2.39
77.90	16191 / 2002	16192 / 1319	2.28	2.18

78.00	16262 / 773	16263 / 90	2.60	2.26
78.10	16332 / 1592	16333 / 909	2.89	2.26
78.20	16403 / 363	16403 / 1728	3.04	2.51
78.30	16473 / 1182	16474 / 499	2.33	1.74
78.40	16543 / 2001	16544 / 1318	2.34	1.91
78.50	16614 / 772	16615 / 89	2.01	1.80
78.60	16684 / 1591	16685 / 908	1.80	1.82
78.70	16755 / 362	16755 / 1727	2.05	1.61
78.80	16825 / 1181	16826 / 498	1.78	1.68
78.90	16895 / 2000	16896 / 1317	1.86	1.66
79.00	16966 / 771	16967 / 88	1.96	1.86
79.10	17036 / 1590	17037 / 907	1.92	1.68
79.20	17107 / 361	17107 / 1726	1.84	1.64
79.30	17177 / 1180	17178 / 497	1.87	1.73
79.40	17247 / 1999	17248 / 1316	1.93	1.65
79.50	17318 / 770	17319 / 87	2.18	1.88
79.60	17388 / 1589	17389 / 906	1.96	1.69
79.70	17459 / 360	17459 / 1725	1.86	1.57
79.80	17529 / 1179	17530 / 496	2.43	2.06
79.90	17599 / 1998	17600 / 1315	1.84	1.63
80.00	17670 / 769	17671 / 86	1.84	1.65
80.10	17740 / 1588	17741 / 905	1.81	1.56
80.20	17811 / 359	17811 / 1724	1.70	1.58
80.30	17881 / 1178	17882 / 495	1.88	1.77
80.40	17951 / 1997	17952 / 1314	2.22	2.00
80.50	18022 / 768	18023 / 85	2.04	1.78
80.60	18092 / 1587	18093 / 904	1.65	1.52
80.70	18163 / 358	18163 / 1723	1.61	1.62
80.80	18233 / 1177	18234 / 494	1.71	1.60
80.90	18303 / 1996	18304 / 1313	1.80	1.66
81.00	18374 / 767	18375 / 84	1.83	1.78
81.10	18444 / 1586	18445 / 903	1.62	1.51
81.20	18515 / 357	18515 / 1722	1.75	1.80
81.30	18585 / 1176	18586 / 493	2.07	1.82
81.40	18655 / 1995	18656 / 1312	2.10	1.70
81.50	18726 / 766	18727 / 83	1.93	1.78
81.60	18796 / 1585	18797 / 902	2.26	1.95
81.70	18867 / 356	18867 / 1721	2.44	1.90
81.80	18937 / 1175	18938 / 492	2.56	1.78
81.90	19007 / 1994	19008 / 1311	2.05	1.77
82.00	19078 / 765	19079 / 82	1.93	1.63
82.10	19148 / 1584	19149 / 901	2.10	1.67
82.20	19219 / 355	19219 / 1720	2.08	1.73

82.30	19289 / 1174	19290 / 491	1.85	1.63
82.40	19359 / 1993	19360 / 1310	2.09	1.78
82.50	19430 / 764	19431 / 81	2.07	1.99
82.60	19500 / 1583	19501 / 900	1.92	2.02
82.70	19571 / 354	19571 / 1719	1.92	1.80
82.80	19641 / 1173	19642 / 490	2.00	1.63
82.90	19711 / 1992	19712 / 1309	2.02	1.91
83.00	19782 / 763	19783 / 80	2.10	1.76
83.10	19852 / 1582	19853 / 899	2.22	1.70
83.20	19923 / 353	19923 / 1718	2.02	1.78
83.30	19993 / 1172	19994 / 489	2.23	2.25
83.40	20063 / 1991	20064 / 1308	1.90	1.85
83.50	20134 / 762	20135 / 79	2.03	1.82
83.60	20204 / 1581	20205 / 898	1.74	1.53
83.70	20275 / 352	20275 / 1717	2.01	1.64
83.80	20345 / 1171	20346 / 488	2.29	1.86
83.90	20415 / 1990	20416 / 1307	1.99	1.80
84.00	20486 / 761	20487 / 78	2.01	1.83
84.10	20556 / 1580	20557 / 897	2.24	1.88
84.20	20627 / 351	20627 / 1716	2.22	1.92
84.30	20697 / 1170	20698 / 487	2.21	1.88
84.40	20767 / 1989	20768 / 1306	2.02	1.76
84.50	20838 / 760	20839 / 77	1.98	1.71
84.60	20908 / 1579	20909 / 896	1.98	1.68
84.70	20979 / 350	20979 / 1715	1.93	1.70
84.80	21049 / 1169	21050 / 486	1.83	1.52
84.90	21119 / 1988	21120 / 1305	1.97	1.68
85.00	21190 / 759	21191 / 76	1.98	1.77
85.10	21260 / 1578	21261 / 895	2.02	1.74
85.20	21331 / 349	21331 / 1714	2.01	1.81
85.30	21401 / 1168	21402 / 485	1.93	1.90
85.40	21471 / 1987	21472 / 1304	1.76	1.50
85.50	21542 / 758	21543 / 75	2.00	1.78
85.60	21612 / 1577	21613 / 894	1.75	1.61
85.70	21683 / 348	21683 / 1713	1.80	1.70
85.80	21753 / 1167	21754 / 484	1.85	1.68
85.90	21823 / 1986	21824 / 1303	1.98	1.68
86.00	21894 / 757	21895 / 74	1.93	1.71
86.10	21964 / 1576	21965 / 893	1.99	1.81
86.20	22035 / 347	22035 / 1712	1.96	1.69
86.30	22105 / 1166	22106 / 483	1.96	1.82
86.40	22175 / 1985	22176 / 1302	2.09	1.81
86.50	22246 / 756	22247 / 73	2.00	1.81

86.60	22316 / 1575	22317 / 892	2.20	1.72
86.70	22387 / 346	22387 / 1711	2.02	1.75
86.80	22457 / 1165	22458 / 482	2.06	1.86
86.90	22527 / 1984	22528 / 1301	1.99	1.79
87.00	22598 / 755	22599 / 72	1.97	1.74
87.10	22668 / 1574	22669 / 891	2.04	1.83
87.20	22739 / 345	22739 / 1710	1.99	1.61
87.30	22809 / 1164	22810 / 481	2.00	1.77
87.40	22879 / 1983	22880 / 1300	1.85	1.85
87.50	22950 / 754	22951 / 71	1.93	1.83
87.60	23020 / 1573	23021 / 890	2.02	1.81
87.70	23091 / 344	23091 / 1709	2.02	1.71
87.80	23161 / 1163	23162 / 480	1.88	1.64
87.90	23231 / 1982	23232 / 1299	1.95	1.78
88.00	23302 / 753	23303 / 70	2.06	1.81
88.10	23372 / 1572	23373 / 889	2.08	1.64
88.20	23443 / 343	23443 / 1708	1.87	1.80
88.30	23513 / 1162	23514 / 479	2.03	1.74
88.40	23583 / 1981	23584 / 1298	2.01	1.81
88.50	23654 / 752	23655 / 69	2.02	1.74
88.60	23724 / 1571	23725 / 888	2.00	1.61
88.70	23795 / 342	23795 / 1707	1.89	1.99
88.80	23865 / 1161	23866 / 478	2.02	1.70
88.90	23935 / 1980	23936 / 1297	2.07	1.79
89.00	24006 / 751	24007 / 68	1.96	1.81
89.10	24076 / 1570	24077 / 887	1.94	1.77
89.20	24147 / 341	24147 / 1706	2.30	1.91
89.30	24217 / 1160	24218 / 477	1.77	1.66
89.40	24287 / 1979	24288 / 1296	1.71	1.44
89.50	24358 / 750	24359 / 67	1.93	1.59
89.60	24428 / 1569	24429 / 886	2.38	2.10
89.70	24499 / 340	24499 / 1705	2.38	2.17
89.80	24569 / 1159	24570 / 476	2.73	2.91
89.90	24639 / 1978	24640 / 1295	2.65	2.83
90.00	24710 / 749	24711 / 66	2.34	2.58
90.10	24780 / 1568	24781 / 885	2.54	4.04
90.20	24851 / 339	24851 / 1704	2.96	2.05
90.30	24921 / 1158	24922 / 475	2.40	2.44
90.40	24991 / 1977	24992 / 1294	1.91	1.87
90.50	25062 / 748	25063 / 65	1.84	1.64
90.60	25132 / 1567	25133 / 884	1.73	1.42
90.70	25203 / 338	25203 / 1703	1.85	1.59
90.80	25273 / 1157	25274 / 474	1.90	1.72

90.90	25343 / 1976	25344 / 1293	1.98	1.78
91.00	25414 / 747	25415 / 64	1.84	1.63
91.10	25484 / 1566	25485 / 883	2.05	1.79
91.20	25555 / 337	25555 / 1702	2.05	1.70
91.30	25625 / 1156	25626 / 473	2.12	1.82
91.40	25695 / 1975	25696 / 1292	2.13	1.66
91.50	25766 / 746	25767 / 63	1.96	1.80
91.60	25836 / 1565	25837 / 882	1.94	1.60
91.70	25907 / 336	25907 / 1701	1.96	1.63
91.80	25977 / 1155	25978 / 472	1.90	1.61
91.90	26047 / 1974	26048 / 1291	1.85	1.61
92.00	26118 / 745	26119 / 62	1.89	1.65
92.10	26188 / 1564	26189 / 881	1.84	1.49
92.20	26259 / 335	26259 / 1700	1.76	1.53
92.30	26329 / 1154	26330 / 471	1.86	1.73
92.40	26399 / 1973	26400 / 1290	1.80	1.65
92.50	26470 / 744	26471 / 61	1.82	1.77
92.60	26540 / 1563	26541 / 880	2.43	2.53
92.70	26611 / 334	26611 / 1699	2.73	2.63
92.80	26681 / 1153	26682 / 470	2.31	2.35
92.90	26751 / 1972	26752 / 1289	2.21	2.10
93.00	26822 / 743	26823 / 60	2.27	1.90
93.10	26892 / 1562	26893 / 879	2.32	1.76
93.20	26963 / 333	26963 / 1698	2.61	2.32
93.30	27033 / 1152	27034 / 469	2.58	2.13
93.40	27103 / 1971	27104 / 1288	2.90	2.56
93.50	27174 / 742	27175 / 59	2.82	2.16
93.60	27244 / 1561	27245 / 878	2.00	1.61
93.70	27315 / 332	27315 / 1697	2.34	1.89
93.80	27385 / 1151	27386 / 468	2.23	2.28
93.90	27455 / 1970	27456 / 1287	2.08	2.07
94.00	27526 / 741	27527 / 58	2.29	2.12
94.10	27596 / 1560	27597 / 877	2.64	2.89
94.20	27667 / 331	27667 / 1696	2.01	1.96
94.30	27737 / 1150	27738 / 467	2.09	2.07
94.40	27807 / 1969	27808 / 1286	2.73	2.29
94.50	27878 / 740	27879 / 57	2.23	2.21
94.60	27948 / 1559	27949 / 876	2.38	2.69
94.70	28019 / 330	28019 / 1695	2.02	1.97
94.80	28089 / 1149	28090 / 466	2.15	2.15
94.90	28159 / 1968	28160 / 1285	1.85	2.13
95.00	28230 / 739	28231 / 56	2.58	2.46
95.10	28300 / 1558	28301 / 875	2.62	2.58

95.20	28371 / 329	28371 / 1694	3.33	2.53
95.30	28441 / 1148	28442 / 465	2.42	2.19
95.40	28511 / 1967	28512 / 1284	2.52	2.02
95.50	28582 / 738	28583 / 55	2.55	2.15
95.60	28652 / 1557	28653 / 874	2.77	2.08
95.70	28723 / 328	28723 / 1693	2.54	2.09
95.80	28793 / 1147	28794 / 464	2.02	2.34
95.90	28863 / 1966	28864 / 1283	2.25	1.86
96.00	28934 / 737	28935 / 54	2.54	2.18
96.10	29004 / 1556	29005 / 873	3.12	2.32
96.20	29075 / 327	29075 / 1692	2.35	2.29
96.30	29145 / 1146	29146 / 463	2.35	2.12
96.40	29215 / 1965	29216 / 1282	2.12	1.66
96.50	29286 / 736	29287 / 53	3.04	2.32
96.60	29356 / 1555	29357 / 872	2.90	2.00
96.70	29427 / 326	29427 / 1691	2.63	2.10
96.80	29497 / 1145	29498 / 462	2.98	2.49
96.90	29567 / 1964	29568 / 1281	2.60	1.77
97.00	29638 / 735	29639 / 52	2.53	2.04
97.10	29708 / 1554	29709 / 871	2.17	1.83
97.20	29779 / 325	29779 / 1690	2.30	1.97
97.30	29849 / 1144	29850 / 461	2.66	1.89
97.40	29919 / 1963	29920 / 1280	2.47	2.50
97.50	29990 / 734	29991 / 51	3.87	2.92
97.60	30060 / 1553	30061 / 870	2.79	2.24
97.70	30131 / 324	30131 / 1689	2.50	2.04
97.80	30201 / 1143	30202 / 460	2.37	1.83
97.90	30271 / 1962	30272 / 1279	2.85	1.97
98.00	30342 / 733	30343 / 50	2.30	2.35
98.10	30412 / 1552	30413 / 869	1.65	1.52
98.20	30483 / 323	30483 / 1688	1.85	1.54
98.30	30553 / 1142	30554 / 459	2.51	1.75
98.40	30623 / 1961	30624 / 1278	2.55	1.68
98.50	30694 / 732	30695 / 49	2.49	2.25
98.60	30764 / 1551	30765 / 868	2.17	1.88
98.70	30835 / 322	30835 / 1687	2.56	1.83
98.80	30905 / 1141	30906 / 458	2.86	1.97
98.90	30975 / 1960	30976 / 1277	1.76	1.54
99.00	31046 / 731	31047 / 48	1.95	1.63
99.10	31116 / 1550	31117 / 867	1.81	1.75
99.20	31187 / 321	31187 / 1686	1.62	1.55
99.30	31257 / 1140	31258 / 457	1.69	1.45
99.40	31327 / 1959	31328 / 1276	1.75	1.46

99.50	31398 / 730	31399 / 47	1.61	1.43
99.60	31468 / 1549	31469 / 866	1.75	1.49
99.70	31539 / 320	31539 / 1685	1.73	1.51
99.80	31609 / 1139	31610 / 456	1.62	1.45
99.90	31679 / 1958	31680 / 1275	1.79	1.49
100.00	31750 / 729	31751 / 46	1.80	1.59
100.10	31820 / 1548	31821 / 865	1.82	1.59
100.20	31891 / 319	31891 / 1684	1.86	1.59
100.30	31961 / 1138	31962 / 455	1.73	1.61
100.40	32031 / 1957	32032 / 1274	1.84	1.64
100.50	32102 / 728	32103 / 45	1.87	1.68
100.60	32172 / 1547	32173 / 864	1.72	1.60
100.70	32243 / 318	32243 / 1683	1.92	1.71
100.80	32313 / 1137	32314 / 454	1.82	1.63
100.90	32383 / 1956	32384 / 1273	1.83	1.62
101.00	32454 / 727	32455 / 44	1.71	1.56
101.10	32524 / 1546	32525 / 863	1.90	1.47
101.20	32595 / 317	32595 / 1682	1.84	1.63
101.30	32665 / 1136	32666 / 453	1.63	1.57
101.40	32735 / 1955	32736 / 1272	2.23	2.25
101.50	32806 / 726	32807 / 43	2.43	2.52
101.60	32876 / 1545	32877 / 862	3.12	3.48
101.70	32947 / 316	32947 / 1681	2.88	2.15
101.80	33017 / 1135	33018 / 452	3.98	2.36
101.90	33087 / 1954	33088 / 1271	3.62	2.75
102.00	33158 / 725	33159 / 42	3.45	2.15
102.10	33228 / 1544	33229 / 861	3.02	2.48
102.20	33299 / 315	33299 / 1680	3.49	2.68
102.30	33369 / 1134	33370 / 451	1.99	1.55
102.40	33439 / 1953	33440 / 1270	3.45	2.48
102.50	33510 / 724	33511 / 41	3.32	2.25
102.60	33580 / 1543	33581 / 860	2.64	2.09
102.70	33651 / 314	33651 / 1679	2.88	2.27
102.80	33721 / 1133	33722 / 450	3.25	2.24
102.90	33791 / 1952	33792 / 1269	2.59	2.53
103.00	33862 / 723	33863 / 40	2.42	2.12
103.10	33932 / 1542	33933 / 859	2.37	2.29
103.20	34003 / 313	34003 / 1678	2.65	2.25
103.30	34073 / 1132	34074 / 449	2.63	2.74
103.40	34143 / 1951	34144 / 1268	3.21	2.76
103.50	34214 / 722	34215 / 39	1.61	1.49
103.60	34284 / 1541	34285 / 858	1.77	1.60
103.70	34355 / 312	34355 / 1677	1.80	1.59

103.80	34425 / 1131	34426 / 448	3.17	2.73
103.90	34495 / 1950	34496 / 1267	2.87	3.05
104.00	34566 / 721	34567 / 38	3.47	3.11
104.10	34636 / 1540	34637 / 857	3.05	2.63
104.20	34707 / 311	34707 / 1676	1.53	1.50
104.30	34777 / 1130	34778 / 447	1.64	1.55
104.40	34847 / 1949	34848 / 1266	1.70	1.56
104.50	34918 / 720	34919 / 37	1.86	1.64
104.60	34988 / 1539	34989 / 856	1.81	1.59
104.70	35059 / 310	35059 / 1675	1.93	1.61
104.80	35129 / 1129	35130 / 446	2.11	1.70
104.90	35199 / 1948	35200 / 1265	1.86	1.63
105.00	35270 / 719	35271 / 36	1.96	1.66
105.10	35340 / 1538	35341 / 855	1.84	1.55
105.20	35411 / 309	35411 / 1674	1.90	1.48
105.30	35481 / 1128	35482 / 445	1.58	1.45
105.40	35551 / 1947	35552 / 1264	1.68	1.45
105.50	35622 / 718	35623 / 35	1.75	1.42
105.60	35692 / 1537	35693 / 854	1.63	1.64
105.70	35763 / 308	35763 / 1673	1.87	1.71
105.80	35833 / 1127	35834 / 444	2.82	2.18
105.90	35903 / 1946	35904 / 1263	2.79	2.38
106.00	35974 / 717	35975 / 34	2.87	2.69
106.10	36044 / 1536	36045 / 853	2.68	2.45
106.20	36115 / 307	36115 / 1672	2.69	2.44
106.30	36185 / 1126	36186 / 443	2.60	2.24
106.40	36255 / 1945	36256 / 1262	2.66	2.39
106.50	36326 / 716	36327 / 33	3.27	2.65
106.60	36396 / 1535	36397 / 852	2.55	2.15
106.70	36467 / 306	36467 / 1671	2.61	2.06
106.80	36537 / 1125	36538 / 442	2.39	2.13
106.90	36607 / 1944	36608 / 1261	1.92	1.68
107.00	36678 / 715	36679 / 32	1.86	1.86
107.10	36748 / 1534	36749 / 851	1.80	1.70
107.20	36819 / 305	36819 / 1670	1.79	1.71
107.30	36889 / 1124	36890 / 441	1.76	1.68
107.40	36959 / 1943	36960 / 1260	1.91	1.75
107.50	37030 / 714	37031 / 31	1.88	1.67
107.60	37100 / 1533	37101 / 850	1.82	1.82
107.70	37171 / 304	37171 / 1669	1.97	1.68
107.80	37241 / 1123	37242 / 440	1.77	1.68
107.90	37311 / 1942	37312 / 1259	1.76	1.76
108.00	37382 / 713	37383 / 30	1.88	1.64

108.10	37452 / 1532	37453 / 849	1.92	1.69
108.20	37523 / 303	37523 / 1668	1.84	1.65
108.30	37593 / 1122	37594 / 439	1.95	1.62
108.40	37663 / 1941	37664 / 1258	1.84	1.63
108.50	37734 / 712	37735 / 29	1.94	1.67
108.60	37804 / 1531	37805 / 848	2.33	2.68
108.70	37875 / 302	37875 / 1667	2.17	1.88
108.80	37945 / 1121	37946 / 438	2.33	2.00
108.90	38015 / 1940	38016 / 1257	2.15	2.02
109.00	38086 / 711	38087 / 28	2.16	2.31
109.10	38156 / 1530	38157 / 847	2.15	1.95
109.20	38227 / 301	38227 / 1666	2.29	2.31
109.30	38297 / 1120	38298 / 437	2.10	1.91
109.40	38367 / 1939	38368 / 1256	2.58	2.33
109.50	38438 / 710	38439 / 27	2.47	2.30
109.60	38508 / 1529	38509 / 846	2.21	2.27
109.70	38579 / 300	38579 / 1665	2.22	2.24
109.80	38649 / 1119	38650 / 436	1.56	1.43
109.90	38719 / 1938	38720 / 1255	1.86	2.03
110.00	38790 / 709	38791 / 26	1.75	1.88
110.10	38860 / 1528	38861 / 845	1.93	1.78
110.20	38931 / 299	38931 / 1664	1.79	2.01
110.30	39001 / 1118	39002 / 435	1.85	1.66
110.40	39071 / 1937	39072 / 1254	1.81	2.04
110.50	39142 / 708	39143 / 25	2.12	1.78
110.60	39212 / 1527	39213 / 844	1.87	1.85
110.70	39283 / 298	39283 / 1663	2.02	1.82
110.80	39353 / 1117	39354 / 434	1.91	1.76
110.90	39423 / 1936	39424 / 1253	1.95	1.85
111.00	39494 / 707	39495 / 24	2.22	2.15
111.10	39564 / 1526	39565 / 843	2.58	1.86
111.20	39635 / 297	39635 / 1662	2.47	1.99
111.30	39705 / 1116	39706 / 433	2.11	2.14
111.40	39775 / 1935	39776 / 1252	1.59	1.49
111.50	39846 / 706	39847 / 23	1.69	1.49
111.60	39916 / 1525	39917 / 842	1.70	1.44
111.70	39987 / 296	39987 / 1661	1.72	1.43
111.80	40057 / 1115	40058 / 432	1.70	1.46
111.90	40127 / 1934	40128 / 1251	1.80	1.48
112.00	40198 / 705	40199 / 22	1.71	1.49
112.10	40268 / 1524	40269 / 841	1.64	1.52
112.20	40339 / 295	40339 / 1660	1.64	1.44
112.30	40409 / 1114	40410 / 431	1.47	1.38

112.40	40479 / 1933	40480 / 1250	1.53	1.41
112.50	40550 / 704	40551 / 21	1.56	1.40
112.60	40620 / 1523	40621 / 840	1.58	1.38
112.70	40691 / 294	40691 / 1659	1.43	1.34
112.80	40761 / 1113	40762 / 430	1.56	1.49
112.90	40831 / 1932	40832 / 1249	1.63	1.41
113.00	40902 / 703	40903 / 20	1.67	1.42
113.10	40972 / 1522	40973 / 839	1.69	1.40
113.20	41043 / 293	41043 / 1658	1.52	1.39
113.30	41113 / 1112	41114 / 429	1.58	1.44
113.40	41183 / 1931	41184 / 1248	1.60	1.48
113.50	41254 / 702	41255 / 19	1.65	1.44
113.60	41324 / 1521	41325 / 838	1.55	1.34
113.70	41395 / 292	41395 / 1657	1.58	1.41
113.80	41465 / 1111	41466 / 428	1.57	1.45
113.90	41535 / 1930	41536 / 1247	1.59	1.37
114.00	41606 / 701	41607 / 18	1.64	1.35
114.10	41676 / 1520	41677 / 837	1.62	1.37
114.20	41747 / 291	41747 / 1656	1.57	1.67
114.30	41817 / 1110	41818 / 427	1.54	1.36
114.40	41887 / 1929	41888 / 1246	1.56	1.52
114.50	41958 / 700	41959 / 17	1.67	1.46
114.60	42028 / 1519	42029 / 836	1.61	1.44
114.70	42099 / 290	42099 / 1655	1.82	1.46
114.80	42169 / 1109	42170 / 426	1.63	1.47
114.90	42239 / 1928	42240 / 1245	1.57	1.61
115.00	42310 / 699	42311 / 16	1.57	1.46
115.10	42380 / 1518	42381 / 835	2.14	1.89
115.20	42451 / 289	42451 / 1654	2.09	1.66
115.30	42521 / 1108	42522 / 425	2.40	1.96
115.40	42591 / 1927	42592 / 1244	2.53	1.88
115.50	42662 / 698	42663 / 15	2.73	1.90
115.60	42732 / 1517	42733 / 834	2.10	1.79
115.70	42803 / 288	42803 / 1653	2.36	1.97
115.80	42873 / 1107	42874 / 424	1.91	2.19
115.90	42943 / 1926	42944 / 1243	2.00	1.74
116.00	43014 / 697	43015 / 14	2.29	3.72
116.10	43084 / 1516	43085 / 833	2.20	1.71
116.20	43155 / 287	43155 / 1652	2.37	2.10
116.30	43225 / 1106	43226 / 423	2.43	1.73
116.40	43295 / 1925	43296 / 1242	2.49	1.87
116.50	43366 / 696	43367 / 13	2.48	1.88
116.60	43436 / 1515	43437 / 832	2.54	1.89

116.70	43507 / 286	43507 / 1651	2.45	1.89
116.80	43577 / 1105	43578 / 422	2.56	1.83
116.90	43647 / 1924	43648 / 1241	2.58	1.68
117.00	43718 / 695	43719 / 12	2.40	1.77
117.10	43788 / 1514	43789 / 831	2.36	1.78
117.20	43859 / 285	43859 / 1650	2.52	1.81
117.30	43929 / 1104	43930 / 421	2.32	1.67
117.40	43999 / 1923	44000 / 1240	2.31	1.80
117.50	44070 / 694	44071 / 11	2.26	1.70
117.60	44140 / 1513	44141 / 830	1.70	1.57
117.70	44211 / 284	44211 / 1649	1.80	1.56
117.80	44281 / 1103	44282 / 420	1.78	1.55
117.90	44351 / 1922	44352 / 1239	1.65	1.59
118.00	44422 / 693	44423 / 10	1.58	1.54
118.10	44492 / 1512	44493 / 829	1.66	1.76
118.20	44563 / 283	44563 / 1648	1.70	1.55
118.30	44633 / 1102	44634 / 419	1.86	1.57
118.40	44703 / 1921	44704 / 1238	2.07	1.75
118.50	44774 / 692	44775 / 9	1.72	1.49
118.60	44844 / 1511	44845 / 828	1.76	1.71
118.70	44915 / 282	44915 / 1647	1.84	1.54
118.80	44985 / 1101	44986 / 418	2.04	1.81
118.90	45055 / 1920	45056 / 1237	1.97	1.61
119.00	45126 / 691	45127 / 8	1.88	1.72
119.10	45196 / 1510	45197 / 827	1.90	2.25
119.20	45267 / 281	45267 / 1646	1.78	1.49
119.30	45337 / 1100	45338 / 417	1.93	1.69
119.40	45407 / 1919	45408 / 1236	2.14	1.63
119.50	45478 / 690	45479 / 7	1.86	1.87
119.60	45548 / 1509	45549 / 826	2.30	1.91
119.70	45619 / 280	45619 / 1645	2.22	1.74
119.80	45689 / 1099	45690 / 416	2.35	1.72
119.90	45759 / 1918	45760 / 1235	2.05	1.70
120.00	45830 / 689	45831 / 6	2.03	1.76
120.10	45900 / 1508	45901 / 825	1.72	1.67
120.20	45971 / 279	45971 / 1644	1.84	1.60
120.30	46041 / 1098	46042 / 415	1.97	1.92
120.40	46111 / 1917	46112 / 1234	2.08	1.90
120.50	46182 / 688	46183 / 5	2.29	1.73
120.60	46252 / 1507	46253 / 824	2.52	1.87
120.70	46323 / 278	46323 / 1643	2.58	1.91
120.80	46393 / 1097	46394 / 414	2.57	1.79
120.90	46463 / 1916	46464 / 1233	2.22	1.83

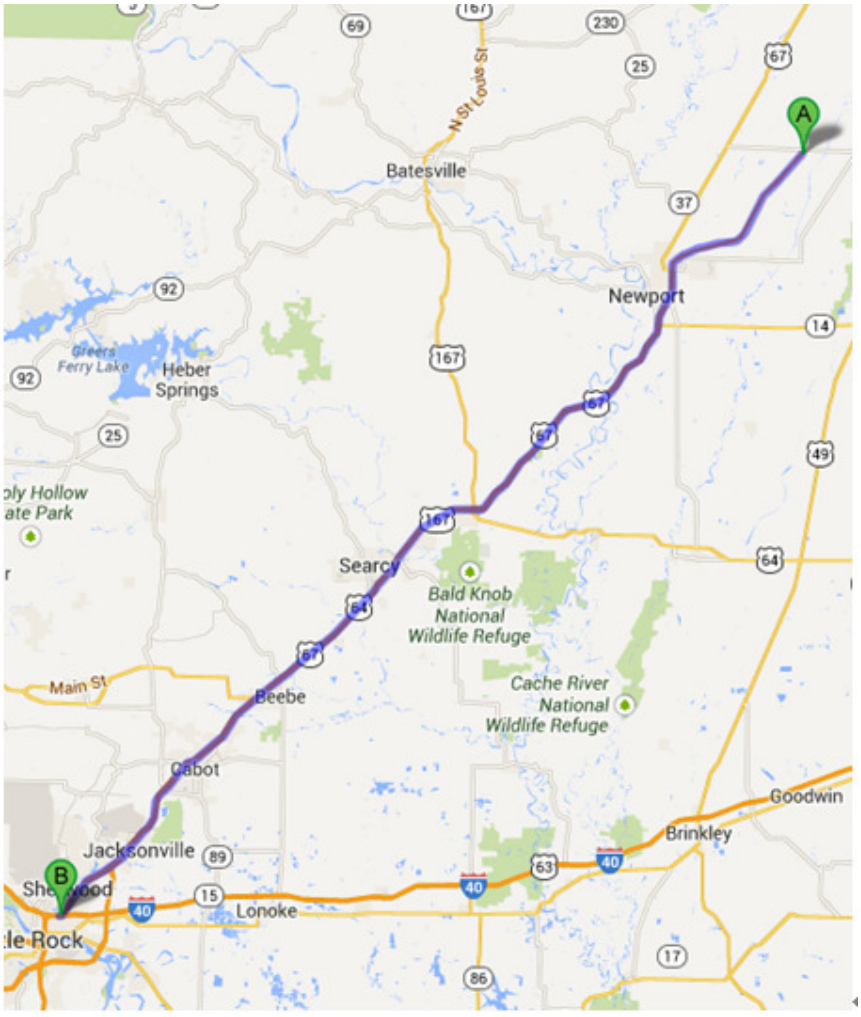
121.00	46534 / 687	46535 / 4	2.51	1.94
121.10	46604 / 1506	46605 / 823	2.47	1.83
121.20	46675 / 277	46675 / 1642	2.53	1.77
121.30	46745 / 1096	46746 / 413	2.40	1.77
121.40	46815 / 1915	46816 / 1232	2.47	1.74
121.50	46886 / 686	46887 / 3	3.09	1.79
121.60	46956 / 1505	46957 / 822	2.56	1.67
121.70	47027 / 276	47027 / 1641	1.67	1.77
121.80	47097 / 1095	47098 / 412	3.23	1.85
121.90	47167 / 1914	47168 / 1231	3.05	1.73
122.00	47238 / 685	47239 / 2	3.19	1.76
122.10	47308 / 1504	47309 / 821	3.25	1.82
122.20	47379 / 275	47379 / 1640	3.44	1.64
122.30	47449 / 1094	47450 / 411	3.80	1.98
122.40	47519 / 1913	47520 / 1230	4.01	2.23
122.50	47590 / 684	47591 / 1	3.98	1.88
122.60	47660 / 1503	47661 / 820	2.81	1.71
122.70	47731 / 274	47731 / 1639	3.44	2.11
122.80	47801 / 1093	47802 / 410	2.18	1.52
122.90	47871 / 1912	47872 / 1229	1.43	1.23
123.00	47942 / 683	47943 / 0	3.12	1.84
123.10	48012 / 1502	48013 / 819	3.65	1.85
123.20	48083 / 273	48083 / 1638	3.86	1.91
123.30	48153 / 1092	48154 / 409	3.59	1.78
123.40	48223 / 1911	48224 / 1228	3.57	2.67
123.50	48294 / 682	48294 / 2047	3.67	2.80
123.60	48364 / 1501	48365 / 818	3.77	2.84
123.70	48435 / 272	48435 / 1637	3.80	2.92
123.80	48505 / 1091	48506 / 408	3.29	3.41
123.90	48575 / 1910	48576 / 1227	3.09	2.82
124.00	48646 / 681	48646 / 2046	3.62	2.84
124.10	48716 / 1500	48717 / 817	3.25	3.08
124.20	48787 / 271	48787 / 1636	3.43	2.50
124.30	48857 / 1090	48858 / 407	3.76	3.07
124.40	48927 / 1909	48928 / 1226	3.95	2.64
124.50	48998 / 680	48998 / 2045	3.54	2.58
124.60	49068 / 1499	49069 / 816	3.30	2.47
124.70	49139 / 270	49139 / 1635	3.77	2.56
124.80	49209 / 1089	49210 / 406	3.97	3.01
124.90	49279 / 1908	49280 / 1225	3.06	2.76
125.00	49350 / 679	49350 / 2044	3.55	2.74
125.10	49420 / 1498	49421 / 815	3.64	2.55
125.20	49491 / 269	49491 / 1634	2.85	2.57

125.30	49561 / 1088	49562 / 405	2.99	2.89
125.40	49631 / 1907	49632 / 1224	3.64	2.39
125.50	49702 / 678	49702 / 2043	3.20	2.21
125.60	49772 / 1497	49773 / 814	3.33	2.65
125.70	49843 / 268	49843 / 1633	3.24	2.53
125.80	49913 / 1087	49914 / 404	3.32	2.48
125.90	49983 / 1906	49984 / 1223	2.76	2.46
126.00	50054 / 677	50054 / 2042	3.03	2.63
126.10	50124 / 1496	50125 / 813	3.04	2.11
126.20	50195 / 267	50195 / 1632	3.16	2.90
126.30	50265 / 1086	50266 / 403	3.34	2.32
126.40	50335 / 1905	50336 / 1222	3.09	2.47
126.50	50406 / 676	50406 / 2041	2.91	2.33
126.60	50476 / 1495	50477 / 812	3.34	2.46
126.70	50547 / 266	50547 / 1631	3.04	2.07
126.80	50617 / 1085	50618 / 402	3.04	2.49
126.90	50687 / 1904	50688 / 1221	2.54	2.19
127.00	50758 / 675	50758 / 2040	3.77	2.11

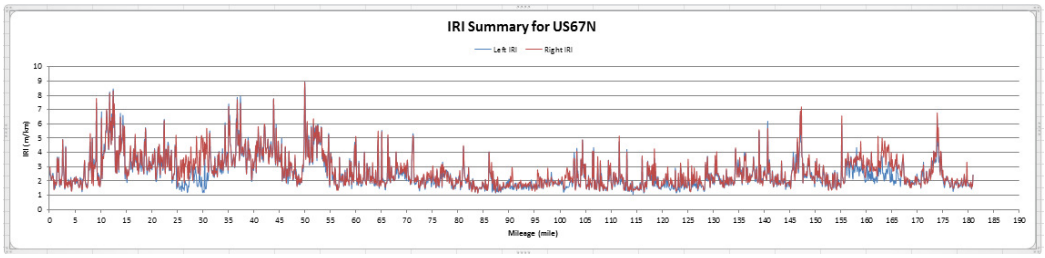
US67N (FROM LITTLEROCK)

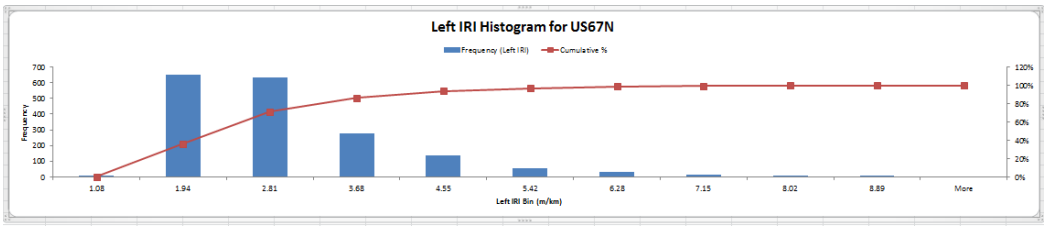
Route Description

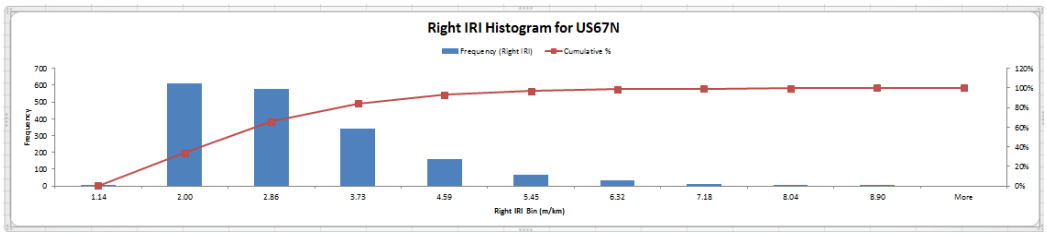
US 67N (From LittleRock) data collection starts at GPS coordinate of 35.7913,-91.026745, and ends at GPS coordinate of 34.777602,-92.237242, with a total length of 103miles.



IRI Data


IRI Summary for US67N
Left IRI
Right IRI
IRI (m/km)
Mileage (mile)


Left IRI Histogram for US67N
Frequency (Left IRI)
Cumulative %
Frequency
1.08
1.94
2.81
3.68
4.55
5.42
6.28
7.15
8.02
8.89
More
Left IRI Bin (m/km)


Right IRI Histogram for US67N
Frequency (Right IRI)
Cumulative %
Frequency
1.14
2.00
2.86
3.73
4.59
5.45
6.32
7.18
8.04
8.90
More
Right IRI Bin (m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	2.78	2.95
0.1	1	529	1057	2.43	2.97
0.2	2	1057	1585	2.36	2.45
0.3	3	1585	2113	2.09	2.32
0.4	4	2113	2641	2.18	2.06
0.5	5	2641	3169	2.26	2.19
0.6	6	3169	3697	2.48	2.40
0.7	7	3697	4225	2.55	2.33
0.8	8	4225	4753	2.01	1.95
0.9	9	4753	5281	1.43	1.38
1	10	5281	5809	1.69	2.09
1.1	11	5809	6337	1.48	1.80
1.2	12	6337	6865	1.94	1.92
1.3	13	6865	7393	1.79	1.68
1.4	14	7393	7921	1.95	1.86
1.5	15	7921	8449	3.65	3.60
1.6	16	8449	8977	3.02	2.94
1.7	17	8977	9505	2.63	2.65
1.8	18	9505	10033	3.69	3.61
1.9	19	10033	10561	2.46	2.35
2	20	10561	11089	1.58	1.71
2.1	21	11089	11617	2.10	2.13
2.2	22	11617	12145	2.05	2.00
2.3	23	12145	12673	1.72	1.72
2.4	24	12673	13201	2.27	2.31
2.5	25	13201	13729	2.44	2.53
2.6	26	13729	14257	4.92	4.91
2.7	27	14257	14785	3.37	3.06
2.8	28	14785	15313	2.76	2.99
2.9	29	15313	15841	2.00	1.86
3	30	15841	16369	1.42	1.50
3.1	31	16369	16897	1.58	1.54
3.2	32	16897	17425	4.44	4.36
3.3	33	17425	17953	1.87	1.74
3.4	34	17953	18481	1.71	1.67
3.5	35	18481	19009	1.86	1.93
3.6	36	19009	19537	1.64	1.54
3.7	37	19537	20065	2.13	2.03
3.8	38	20065	20593	1.77	1.79
3.9	39	20593	21121	1.79	1.77
4	40	21121	21649	1.95	1.98
4.1	41	21649	22177	1.63	1.61

4.2	42	22177	22705	2.26	2.14
4.3	43	22705	23233	1.35	1.29
4.4	44	23233	23761	1.49	1.41
4.5	45	23761	24289	1.97	2.02
4.6	46	24289	24817	1.98	1.97
4.7	47	24817	25345	2.07	2.01
4.8	48	25345	25873	1.97	2.17
4.9	49	25873	26401	2.26	2.21
5	50	26401	26929	1.79	1.78
5.1	51	26929	27457	1.91	1.94
5.2	52	27457	27985	2.32	2.32
5.3	53	27985	28513	1.85	2.00
5.4	54	28513	29041	1.95	2.01
5.5	55	29041	29569	2.14	2.18
5.6	56	29569	30097	1.74	1.85
5.7	57	30097	30625	1.67	1.67
5.8	58	30625	31153	1.55	1.52
5.9	59	31153	31681	1.64	1.59
6	60	31681	32209	2.27	2.11
6.1	61	32209	32737	1.74	1.77
6.2	62	32737	33265	2.18	2.05
6.3	63	33265	33793	1.48	1.50
6.4	64	33793	34321	1.26	1.38
6.5	65	34321	34849	2.13	1.80
6.6	66	34849	35377	2.13	2.05
6.7	67	35377	35905	2.20	2.19
6.8	68	35905	36433	2.92	3.04
6.9	69	36433	36961	3.35	3.42
7	70	36961	37489	2.19	1.98
7.1	71	37489	38017	1.82	1.86
7.2	72	38017	38545	1.70	1.58
7.3	73	38545	39073	1.78	1.68
7.4	74	39073	39601	1.52	1.49
7.5	75	39601	40129	1.85	1.77
7.6	76	40129	40657	2.08	2.23
7.7	77	40657	41185	3.24	3.31
7.8	78	41185	41713	2.75	2.78
7.9	79	41713	42241	4.40	3.71
8	80	42241	42769	4.73	5.33
8.1	81	42769	43297	3.19	2.94
8.2	82	43297	43825	2.75	3.32
8.3	83	43825	44353	2.25	1.86
8.4	84	44353	44881	5.03	5.00

8.5	85	44881	45409	2.69	2.49
8.6	86	45409	45937	2.07	1.67
8.7	87	45937	46465	3.51	3.17
8.8	88	46465	46993	3.20	3.07
8.9	89	46993	47521	3.01	2.84
9	90	47521	48049	3.30	3.31
9.1	91	48049	48577	3.68	3.38
9.2	92	48577	49105	7.49	7.79
9.3	93	49105	49633	3.17	3.11
9.4	94	49633	50161	2.04	2.05
9.5	95	50161	50689	2.57	2.33
9.6	96	50689	51217	2.19	1.70
9.7	97	51217	51745	2.41	2.28
9.8	98	51745	52273	1.90	1.64
9.9	99	52273	52801	1.60	1.61
10	100	52801	53329	2.22	1.99
10.1	101	53329	53857	2.77	2.88
10.2	102	53857	54385	6.86	6.42
10.3	103	54385	54913	2.22	2.26
10.4	104	54913	55441	3.89	3.57
10.5	105	55441	55969	3.87	3.74
10.6	106	55969	56497	3.88	3.57
10.7	107	56497	57025	4.59	4.15
10.8	108	57025	57553	3.97	4.05
10.9	109	57553	58081	4.24	4.30
11	110	58081	58609	5.42	5.51
11.1	111	58609	59137	5.40	5.58
11.2	112	59137	59665	6.90	7.03
11.3	113	59665	60193	5.86	6.21
11.4	114	60193	60721	5.48	5.69
11.5	115	60721	61249	5.15	5.04
11.6	116	61249	61777	4.18	4.22
11.7	117	61777	62305	4.87	5.07
11.8	118	62305	62833	8.26	8.16
11.9	119	62833	63361	5.44	5.59
12	120	63361	63889	6.21	6.15
12.1	121	63889	64417	4.59	4.53
12.2	122	64417	64945	6.71	6.47
12.3	123	64945	65473	5.02	4.85
12.4	124	65473	66001	6.82	7.06
12.5	125	66001	66529	8.45	8.29
12.6	126	66529	67057	5.74	5.87
12.7	127	67057	67585	7.31	7.43

12.8	128	67585	68113	5.27	5.20
12.9	129	68113	68641	2.66	2.95
13	130	68641	69169	2.66	2.59
13.1	131	69169	69697	3.98	4.13
13.2	132	69697	70225	2.55	2.52
13.3	133	70225	70753	4.08	4.09
13.4	134	70753	71281	3.99	4.16
13.5	135	71281	71809	3.18	3.35
13.6	136	71809	72337	2.67	2.85
13.7	137	72337	72865	5.16	5.15
13.8	138	72865	73393	3.88	3.95
13.9	139	73393	73921	6.75	6.49
14	140	73921	74449	4.29	4.12
14.1	141	74449	74977	5.03	4.58
14.2	142	74977	75505	4.60	4.76
14.3	143	75505	76033	5.32	5.06
14.4	144	76033	76561	6.61	5.92
14.5	145	76561	77089	4.84	4.85
14.6	146	77089	77617	3.76	3.80
14.7	147	77617	78145	5.54	5.83
14.8	148	78145	78673	2.21	2.51
14.9	149	78673	79201	2.94	3.03
15	150	79201	79729	2.84	2.81
15.1	151	79729	80257	2.34	2.44
15.2	152	80257	80785	1.88	2.15
15.3	153	80785	81313	2.73	2.85
15.4	154	81313	81841	2.50	2.36
15.5	155	81841	82369	2.51	2.38
15.6	156	82369	82897	2.72	2.72
15.7	0	1	529	2.91	3.07
15.8	1	529	1057	3.81	4.06
15.9	2	1057	1585	4.01	4.47
16	3	1585	2113	2.83	3.38
16.1	4	2113	2641	2.99	3.37
16.2	5	2641	3169	3.27	3.06
16.3	6	3169	3697	2.62	2.85
16.4	7	3697	4225	3.70	3.64
16.5	8	4225	4753	4.23	4.25
16.6	9	4753	5281	2.98	3.02
16.7	10	5281	5809	3.77	3.99
16.8	11	5809	6337	5.09	5.29
16.9	12	6337	6865	3.41	3.48
17	13	6865	7393	3.29	3.43

17.1	14	7393	7921	3.81	3.67
17.2	15	7921	8449	2.76	2.77
17.3	16	8449	8977	3.81	4.05
17.4	17	8977	9505	2.67	2.50
17.5	18	9505	10033	2.76	2.76
17.6	19	10033	10561	2.92	3.24
17.7	20	10561	11089	2.94	3.27
17.8	21	11089	11617	4.00	4.22
17.9	22	11617	12145	3.86	4.02
18	23	12145	12673	2.67	3.11
18.1	24	12673	13201	3.94	4.11
18.2	25	13201	13729	2.99	3.09
18.3	26	13729	14257	2.93	3.01
18.4	27	14257	14785	2.69	2.72
18.5	28	14785	15313	2.52	2.52
18.6	29	15313	15841	4.92	4.76
18.7	30	15841	16369	3.74	3.80
18.8	31	16369	16897	5.71	5.66
18.9	32	16897	17425	5.00	4.82
19	33	17425	17953	3.59	3.38
19.1	34	17953	18481	2.46	2.78
19.2	35	18481	19009	2.66	2.73
19.3	36	19009	19537	2.88	3.07
19.4	37	19537	20065	2.85	3.05
19.5	38	20065	20593	3.55	3.70
19.6	39	20593	21121	2.73	2.63
19.7	40	21121	21649	3.38	3.31
19.8	41	21649	22177	3.27	3.21
19.9	42	22177	22705	2.88	2.86
20	43	22705	23233	3.15	3.04
20.1	44	23233	23761	2.79	2.91
20.2	45	23761	24289	3.79	3.92
20.3	46	24289	24817	3.18	3.17
20.4	47	24817	25345	3.25	3.20
20.5	48	25345	25873	3.63	3.65
20.6	49	25873	26401	4.29	4.19
20.7	50	26401	26929	3.21	3.35
20.8	51	26929	27457	2.20	2.16
20.9	52	27457	27985	1.95	2.11
21	53	27985	28513	2.05	2.96
21.1	54	28513	29041	2.83	2.87
21.2	55	29041	29569	4.00	3.85
21.3	56	29569	30097	4.33	4.39

21.4	57	30097	30625	3.08	3.27
21.5	58	30625	31153	4.55	4.59
21.6	59	31153	31681	2.62	3.05
21.7	60	31681	32209	2.22	2.45
21.8	61	32209	32737	3.64	3.80
21.9	62	32737	33265	3.27	3.37
22	63	33265	33793	3.03	3.33
22.1	64	33793	34321	3.46	3.68
22.2	65	34321	34849	2.74	2.86
22.3	66	34849	35377	3.01	3.03
22.4	67	35377	35905	5.67	5.35
22.5	68	35905	36433	6.28	6.18
22.6	69	36433	36961	3.11	3.08
22.7	70	36961	37489	2.55	2.52
22.8	71	37489	38017	4.25	4.18
22.9	72	38017	38545	4.23	4.21
23	73	38545	39073	3.80	3.57
23.1	74	39073	39601	3.16	3.01
23.2	75	39601	40129	4.72	4.46
23.3	76	40129	40657	4.57	4.46
23.4	77	40657	41185	2.98	3.14
23.5	78	41185	41713	2.71	2.76
23.6	79	41713	42241	2.77	3.11
23.7	80	42241	42769	3.62	3.79
23.8	81	42769	43297	2.88	2.74
23.9	82	43297	43825	4.18	4.15
24	83	43825	44353	1.90	2.13
24.1	84	44353	44881	2.33	2.28
24.2	85	44881	45409	2.03	2.10
24.3	86	45409	45937	2.51	2.47
24.4	87	45937	46465	2.42	2.47
24.5	88	46465	46993	2.67	2.46
24.6	89	46993	47521	4.53	4.40
24.7	90	47521	48049	3.79	3.68
24.8	91	48049	48577	4.06	5.22
24.9	92	48577	49105	1.50	3.70
25	93	49105	49633	2.31	2.62
25.1	94	49633	50161	1.55	1.61
25.2	95	50161	50689	1.83	2.98
25.3	96	50689	51217	1.87	3.05
25.4	97	51217	51745	1.84	2.04
25.5	98	51745	52273	1.37	2.06
25.6	99	52273	52801	1.55	2.31

25.7	100	52801	53329	1.58	3.49
25.8	101	53329	53857	1.65	2.85
25.9	102	53857	54385	1.27	2.25
26	103	54385	54913	1.98	3.45
26.1	104	54913	55441	1.56	3.51
26.2	105	55441	55969	1.44	2.56
26.3	106	55969	56497	1.54	3.62
26.4	107	56497	57025	1.35	1.87
26.5	108	57025	57553	2.00	3.22
26.6	109	57553	58081	1.99	3.03
26.7	110	58081	58609	1.70	3.82
26.8	111	58609	59137	1.82	3.68
26.9	112	59137	59665	1.63	3.19
27	113	59665	60193	1.19	3.05
27.1	114	60193	60721	1.29	2.17
27.2	115	60721	61249	1.69	3.69
27.3	116	61249	61777	1.57	2.05
27.4	117	61777	62305	2.27	3.39
27.5	118	62305	62833	2.16	2.59
27.6	119	62833	63361	2.39	3.24
27.7	120	63361	63889	2.50	4.40
27.8	121	63889	64417	2.89	3.28
27.9	122	64417	64945	3.09	3.19
28	123	64945	65473	2.83	2.71
28.1	124	65473	66001	2.22	2.04
28.2	125	66001	66529	2.83	3.54
28.3	126	66529	67057	1.87	3.09
28.4	127	67057	67585	2.32	2.80
28.5	128	67585	68113	2.58	3.38
28.6	129	68113	68641	2.96	3.60
28.7	130	68641	69169	2.55	3.25
28.8	131	69169	69697	2.31	5.12
28.9	132	69697	70225	1.69	4.03
29	133	70225	70753	1.61	3.33
29.1	134	70753	71281	1.61	2.53
29.2	135	71281	71809	1.89	2.91
29.3	136	71809	72337	1.95	3.12
29.4	137	72337	72865	3.62	4.16
29.5	138	72865	73393	1.94	2.41
29.6	139	73393	73921	1.65	3.56
29.7	140	73921	74449	1.59	4.95
29.8	141	74449	74977	2.28	5.21
29.9	142	74977	75505	1.62	4.88

30	143	75505	76033	1.19	4.04
30.1	144	76033	76561	1.28	5.01
30.2	145	76561	77089	1.34	3.85
30.3	146	77089	77617	1.20	3.13
30.4	147	77617	78145	4.44	4.74
30.5	148	78145	78673	1.64	3.56
30.6	149	78673	79201	1.44	4.61
30.7	150	79201	79729	1.45	3.89
30.8	151	79729	80257	2.11	5.70
30.9	152	80257	80785	2.59	4.56
31	153	80785	81313	2.01	3.36
31.1	154	81313	81841	2.18	2.62
31.2	155	81841	82369	2.85	2.80
31.3	156	82369	82897	3.91	4.90
31.4	157	82897	83425	5.52	5.35
31.5	158	83425	83953	4.08	4.14
31.6	159	83953	84481	3.34	3.58
31.7	160	84481	85009	2.87	3.07
31.8	161	85009	85537	2.55	2.68
31.9	162	85537	86065	2.62	2.52
32	163	86065	86593	2.75	2.69
32.1	164	86593	87121	2.30	2.43
32.2	165	87121	87649	3.02	3.08
32.3	166	87649	88177	2.24	2.34
32.4	167	88177	88705	3.72	3.61
32.5	168	88705	89233	2.50	2.61
32.6	169	89233	89761	2.51	2.55
32.7	170	89761	90289	2.89	2.72
32.8	171	90289	90817	2.71	2.58
32.9	172	90817	91345	2.37	2.30
33	173	91345	91873	3.80	3.83
33.1	174	91873	92401	3.10	3.06
33.2	175	92401	92929	4.07	4.04
33.3	176	92929	93457	3.61	3.30
33.4	177	93457	93985	2.71	2.86
33.5	178	93985	94513	2.62	3.07
33.6	179	94513	95041	3.21	3.46
33.7	180	95041	95569	2.49	2.79
33.8	181	95569	96097	2.95	3.19
33.9	182	96097	96625	4.28	3.92
34	183	96625	97153	2.59	2.75
34.1	184	97153	97681	3.10	3.18
34.2	185	97681	98209	3.22	3.36

34.3	186	98209	98737	3.59	3.71
34.4	187	98737	99265	6.09	5.91
34.5	188	99265	99793	3.99	4.28
34.6	189	99793	100321	3.07	3.03
34.7	190	100321	100849	3.61	3.60
34.8	191	100849	101377	4.02	3.74
34.9	192	101377	101905	3.95	3.88
35	193	101905	102433	2.66	2.86
35.1	194	102433	102961	7.35	7.19
35.2	195	102961	103489	5.41	5.20
35.3	196	103489	104017	6.61	6.24
35.4	197	104017	104545	4.55	4.66
35.5	198	104545	105073	4.47	4.45
35.6	199	105073	105601	3.98	3.85
35.7	200	105601	106129	3.19	3.05
35.8	201	106129	106657	3.04	3.10
35.9	202	106657	107185	3.50	3.34
36	203	107185	107713	3.52	3.51
36.1	204	107713	108241	3.75	3.89
36.2	205	108241	108769	3.22	3.32
36.3	206	108769	109297	2.93	2.99
36.4	207	109297	109825	3.64	3.63
36.5	208	109825	110353	3.80	3.84
36.6	209	110353	110881	6.35	6.09
36.7	210	110881	111409	5.53	5.72
36.8	211	111409	111937	7.87	7.70
36.9	212	111937	112465	4.51	4.54
37	213	112465	112993	4.99	4.87
37.1	214	112993	113521	5.51	5.25
37.2	215	113521	114049	3.54	3.41
37.3	216	114049	114577	3.94	4.72
37.4	217	114577	115105	7.87	7.43
37.5	218	115105	115633	6.50	5.93
37.6	219	115633	116161	3.96	3.92
37.7	220	116161	116689	3.77	3.98
37.8	221	116689	117217	4.18	4.40
37.9	222	117217	117745	4.15	4.33
38	223	117745	118273	3.69	3.78
38.1	224	118273	118801	3.77	3.92
38.2	225	118801	119329	4.40	4.58
38.3	226	119329	119857	4.42	4.49
38.4	227	119857	120385	4.82	4.91
38.5	228	120385	120913	3.10	3.28

38.6	229	120913	121441	2.52	2.48
38.7	230	121441	121969	3.42	3.59
38.8	231	121969	122497	3.43	3.48
38.9	232	122497	123025	5.04	4.82
39	233	123025	123553	4.44	4.47
39.1	234	123553	124081	3.51	3.42
39.2	235	124081	124609	4.26	4.17
39.3	236	124609	125137	3.96	3.94
39.4	237	125137	125665	3.64	3.80
39.5	238	125665	126193	2.85	2.96
39.6	239	126193	126721	1.97	2.07
39.7	240	126721	127249	2.19	2.45
39.8	241	127249	127777	3.45	3.55
39.9	242	127777	128305	2.95	3.00
40	243	128305	128833	2.74	2.87
40.1	244	128833	129361	3.37	3.31
40.2	245	129361	129889	3.36	3.35
40.3	246	129889	130417	3.69	3.97
40.4	247	130417	130945	4.29	4.46
40.5	248	130945	131473	2.55	2.61
40.6	249	131473	132001	4.72	4.80
40.7	250	132001	132529	4.45	4.49
40.8	251	132529	133057	3.73	4.00
40.9	252	133057	133585	5.65	5.83
41	253	133585	134113	4.46	4.39
41.1	254	134113	134641	4.06	4.30
41.2	255	134641	135169	3.39	3.31
41.3	256	135169	135697	4.29	4.44
41.4	257	135697	136225	5.07	5.15
41.5	258	136225	136753	4.06	4.55
41.6	259	136753	137281	3.53	3.85
41.7	260	137281	137809	3.62	3.76
41.8	261	137809	138337	4.37	4.28
41.9	262	138337	138865	3.32	3.45
42	263	138865	139393	4.83	4.64
42.1	264	139393	139921	5.87	5.99
42.2	265	139921	140449	5.82	5.77
42.3	266	140449	140977	4.47	4.51
42.4	267	140977	141505	4.11	3.92
42.5	268	141505	142033	4.21	4.17
42.6	269	142033	142561	4.34	4.34
42.7	270	142561	143089	4.36	4.35
42.8	271	143089	143617	4.91	4.94

42.9	272	143617	144145	3.47	3.31
43	273	144145	144673	3.40	3.19
43.1	274	144673	145201	4.44	4.15
43.2	275	145201	145729	3.87	3.68
43.3	276	145729	146257	4.55	4.55
43.4	277	146257	146785	4.78	4.45
43.5	278	146785	147313	4.27	3.97
43.6	279	147313	147841	3.60	3.69
43.7	280	147841	148369	4.04	3.90
43.8	281	148369	148897	4.21	4.42
43.9	282	148897	149425	7.75	7.74
44	283	149425	149953	5.73	5.73
44.1	284	149953	150481	4.49	4.46
44.2	285	150481	151009	3.67	3.75
44.3	286	151009	151537	3.17	3.27
44.4	287	151537	152065	5.98	5.71
44.5	288	152065	152593	3.94	4.06
44.6	289	152593	153121	3.54	3.29
44.7	290	153121	153649	3.18	3.07
44.8	291	153649	154177	4.77	4.80
44.9	292	154177	154705	3.70	3.96
45	293	154705	155233	3.35	3.40
45.1	294	155233	155761	3.51	3.63
45.2	295	155761	156289	3.34	3.56
45.3	296	156289	156817	3.83	3.90
45.4	297	156817	157345	3.11	2.95
45.5	298	157345	157873	4.99	4.60
45.6	299	157873	158401	2.05	2.06
45.7	300	158401	158929	2.88	2.95
45.8	301	158929	159457	2.84	2.85
45.9	302	159457	159985	2.20	2.37
46	303	159985	160513	2.19	2.23
46.1	304	160513	161041	2.97	2.99
46.2	305	161041	161569	4.36	4.43
46.3	306	161569	162097	2.50	2.69
46.4	307	162097	162625	1.92	1.84
46.5	308	162625	163153	2.86	2.81
46.6	309	163153	163681	2.53	2.85
46.7	310	163681	164209	1.79	2.30
46.8	311	164209	164737	1.97	2.54
46.9	312	164737	165265	3.95	4.10
47	313	165265	165793	3.13	3.25
47.1	314	165793	166321	2.17	2.34

47.2	315	166321	166849	3.15	3.33
47.3	316	166849	167377	2.91	3.08
47.4	317	167377	167905	3.18	3.27
47.5	318	167905	168433	2.62	2.72
47.6	319	168433	168961	2.68	2.69
47.7	320	168961	169489	2.04	2.11
47.8	321	169489	170017	2.24	2.36
47.9	322	170017	170545	2.74	2.81
48	323	170545	171073	2.50	2.76
48.1	324	171073	171601	3.61	3.84
48.2	325	171601	172129	2.16	2.25
48.3	326	172129	172657	2.82	2.65
48.4	327	172657	173185	2.04	2.08
48.5	328	173185	173713	1.68	1.61
48.6	329	173713	174241	2.21	2.35
48.7	330	174241	174769	1.87	1.78
48.8	331	174769	175297	2.48	2.39
48.9	332	175297	175825	1.75	1.93
49	333	175825	176353	2.02	2.10
49.1	334	176353	176881	1.75	1.81
49.2	335	176881	177409	2.12	2.23
49.3	336	177409	177937	2.04	2.09
49.4	337	177937	178465	1.90	1.91
49.5	338	178465	178993	2.71	2.72
49.6	339	178993	179521	2.99	3.14
49.7	340	179521	180049	2.65	2.93
49.8	341	180049	180577	3.46	3.83
49.9	342	180577	181105	4.60	5.17
50	343	181105	181633	8.89	8.90
50.1	344	181633	182161	7.06	6.65
50.2	345	182161	182689	3.72	3.57
50.3	346	182689	183217	4.95	4.60
50.4	347	183217	183745	5.14	5.31
50.5	348	183745	184273	6.04	6.14
50.6	349	184273	184801	3.72	3.77
50.7	350	184801	185329	3.75	3.65
50.8	351	185329	185857	5.19	4.90
50.9	352	185857	186385	3.14	3.30
51	353	186385	186913	3.35	3.51
51.1	354	186913	187441	3.30	3.66
51.2	355	187441	187969	4.46	4.67
51.3	356	187969	188497	5.85	5.73
51.4	357	188497	189025	3.49	3.33

51.5	358	189025	189553	4.29	4.36
51.6	359	189553	190081	3.21	3.40
51.7	360	190081	190609	6.00	6.35
51.8	361	190609	191137	4.57	4.85
51.9	362	191137	191665	5.74	5.36
52	363	191665	192193	4.94	5.40
52.1	364	192193	192721	5.49	5.02
52.2	365	192721	193249	5.87	5.89
52.3	366	193249	193777	5.62	5.57
52.4	367	193777	194305	3.42	3.62
52.5	368	194305	194833	5.86	5.91
52.6	369	194833	195361	5.97	5.86
52.7	370	195361	195889	4.66	4.58
52.8	371	195889	196417	5.21	5.43
52.9	372	196417	196945	4.74	4.90
53	373	196945	197473	4.58	4.73
53.1	374	197473	198001	4.53	4.73
53.2	375	198001	198529	5.80	5.63
53.3	376	198529	199057	5.46	5.75
53.4	377	199057	199585	3.58	3.77
53.5	378	199585	200113	4.16	4.28
53.6	379	200113	200641	3.42	3.40
53.7	380	200641	201169	4.03	4.16
53.8	381	201169	201697	3.01	3.31
53.9	382	201697	202225	3.90	3.90
54	383	202225	202753	3.50	3.80
54.1	384	202753	203281	2.62	3.05
54.2	385	203281	203809	3.51	3.78
54.3	386	203809	204337	3.09	3.06
54.4	387	204337	204865	2.20	2.35
54.5	388	204865	205393	3.41	3.52
54.6	389	205393	205921	3.93	4.23
54.7	390	205921	206449	5.31	5.18
54.8	391	206449	206977	2.22	2.22
54.9	392	206977	207505	1.57	1.71
55	393	207505	208033	3.16	3.19
55.1	394	208033	208561	4.00	3.97
55.2	395	208561	209089	3.38	3.28
55.3	396	209089	209617	3.67	3.53
55.4	397	209617	210145	2.07	2.47
55.5	398	210145	210673	2.11	2.65
55.6	399	210673	211201	2.44	2.51
55.7	400	211201	211729	2.30	2.26

55.8	401	211729	212257	1.89	1.74
55.9	402	212257	212785	2.86	2.95
56	403	212785	213313	2.85	2.75
56.1	404	213313	213841	1.65	1.74
56.2	405	213841	214369	1.71	1.76
56.3	406	214369	214897	1.43	1.35
56.4	407	214897	215425	1.77	1.77
56.5	408	215425	215953	1.38	1.35
56.6	409	215953	216481	1.56	1.51
56.7	410	216481	217009	1.67	1.54
56.8	411	217009	217537	3.67	3.66
56.9	412	217537	218065	2.21	2.20
57	413	218065	218593	2.00	2.07
57.1	414	218593	219121	1.91	2.00
57.2	415	219121	219649	2.44	2.32
57.3	416	219649	220177	2.52	2.36
57.4	417	220177	220705	1.96	1.99
57.5	418	220705	221233	2.48	2.47
57.6	419	221233	221761	1.63	1.82
57.7	420	221761	222289	1.76	1.68
57.8	421	222289	222817	1.78	1.74
57.9	422	222817	223345	2.78	2.64
58	423	223345	223873	2.12	1.69
58.1	424	223873	224401	2.30	2.17
58.2	425	224401	224929	2.02	1.96
58.3	426	224929	225457	2.87	2.90
58.4	427	225457	225985	2.17	2.03
58.5	428	225985	226513	2.07	1.96
58.6	429	226513	227041	2.07	2.03
58.7	430	227041	227569	1.70	1.76
58.8	431	227569	228097	3.58	3.45
58.9	432	228097	228625	2.33	2.32
59	433	228625	229153	2.27	2.48
59.1	434	229153	229681	3.38	3.35
59.2	435	229681	230209	1.47	1.78
59.3	436	230209	230737	2.59	2.63
59.4	437	230737	231265	2.11	2.08
59.5	438	231265	231793	2.10	2.45
59.6	439	231793	232321	1.90	1.98
59.7	440	232321	232849	3.50	3.64
59.8	441	232849	233377	4.73	4.52
59.9	442	233377	233905	3.12	3.04
60	443	233905	234433	5.00	5.14

60.1	444	234433	234961	3.42	3.32
60.2	445	234961	235489	1.75	2.00
60.3	446	235489	236017	1.99	1.94
60.4	447	236017	236545	2.10	2.21
60.5	448	236545	237073	1.73	1.75
60.6	449	237073	237601	3.41	3.27
60.7	450	237601	238129	2.13	2.16
60.8	451	238129	238657	1.84	1.83
60.9	452	238657	239185	2.35	2.49
61	453	239185	239713	1.63	2.02
61.1	454	239713	240241	1.71	1.96
61.2	455	240241	240769	1.66	1.81
61.3	456	240769	241297	1.80	1.93
61.4	457	241297	241825	2.08	2.22
61.5	458	241825	242353	2.05	2.09
61.6	459	242353	242881	2.99	2.99
61.7	460	242881	243409	4.04	4.01
61.8	461	243409	243937	2.21	2.28
61.9	462	243937	244465	1.92	1.89
62	463	244465	244993	1.84	1.77
62.1	464	244993	245521	1.73	1.73
62.2	465	245521	246049	3.23	3.21
62.3	466	246049	246577	2.64	2.69
62.4	467	246577	247105	2.09	2.05
62.5	468	247105	247633	2.83	2.81
62.6	469	247633	248161	2.99	2.81
62.7	470	248161	248689	2.93	2.97
62.8	471	248689	249217	1.82	1.89
62.9	472	249217	249745	2.36	2.35
63	473	249745	250273	1.99	2.02
63.1	474	250273	250801	2.25	2.35
63.2	475	250801	251329	1.84	1.91
63.3	476	251329	251857	3.01	3.30
63.4	477	251857	252385	2.24	2.16
63.5	478	252385	252913	2.29	2.19
63.6	479	252913	253441	1.67	1.86
63.7	480	253441	253969	2.00	2.13
63.8	481	253969	254497	1.67	1.80
63.9	482	254497	255025	2.66	2.78
64	483	255025	255553	1.74	1.89
64.1	484	255553	256081	1.97	1.94
64.2	485	256081	256609	1.89	1.70
64.3	486	256609	257137	4.28	4.51

64.4	487	257137	257665	4.80	5.43
64.5	488	257665	258193	1.81	1.74
64.6	489	258193	258721	1.48	1.60
64.7	490	258721	259249	2.00	1.96
64.8	491	259249	259777	1.79	2.06
64.9	492	259777	260305	1.88	1.65
65	493	260305	260833	2.17	2.04
65.1	494	260833	261361	5.56	5.46
65.2	495	261361	261889	1.99	1.89
65.3	496	261889	262417	2.21	1.95
65.4	497	262417	262945	1.98	2.00
65.5	498	262945	263473	2.07	1.97
65.6	499	263473	264001	2.00	1.84
65.7	500	264001	264529	1.56	1.81
65.8	501	264529	265057	1.37	1.56
65.9	502	265057	265585	1.79	1.90
66	503	265585	266113	1.90	1.82
66.1	504	266113	266641	1.83	1.94
66.2	505	266641	267169	2.95	2.88
66.3	506	267169	267697	5.07	5.24
66.4	507	267697	268225	3.45	3.70
66.5	508	268225	268753	2.07	2.18
66.6	509	268753	269281	3.68	3.66
66.7	510	269281	269809	2.00	1.98
66.8	511	269809	270337	1.86	1.89
66.9	512	270337	270865	2.60	2.77
67	513	270865	271393	2.95	3.04
67.1	514	271393	271921	2.25	2.24
67.2	515	271921	272449	2.26	2.32
67.3	516	272449	272977	2.08	2.15
67.4	517	272977	273505	2.34	2.40
67.5	518	273505	274033	2.07	2.01
67.6	519	274033	274561	2.06	2.09
67.7	520	274561	275089	2.09	2.15
67.8	521	275089	275617	2.95	3.05
67.9	522	275617	276145	3.99	4.06
68	523	276145	276673	2.49	2.88
68.1	524	276673	277201	3.23	3.32
68.2	525	277201	277729	3.00	3.11
68.3	526	277729	278257	2.52	2.86
68.4	527	278257	278785	2.17	2.66
68.5	528	278785	279313	2.34	2.52
68.6	529	279313	279841	2.39	2.46

68.7	530	279841	280369	2.55	2.63
68.8	531	280369	280897	2.93	3.28
68.9	532	280897	281425	2.45	2.51
69	533	281425	281953	2.96	3.05
69.1	534	281953	282481	2.35	2.60
69.2	535	282481	283009	2.68	2.84
69.3	536	283009	283537	2.53	2.64
69.4	537	283537	284065	2.55	2.84
69.5	538	284065	284593	2.93	3.27
69.6	539	284593	285121	2.16	2.51
69.7	540	285121	285649	2.50	2.85
69.8	541	285649	286177	2.80	3.07
69.9	542	286177	286705	2.01	2.22
70	543	286705	287233	2.83	3.13
70.1	544	287233	287761	3.31	3.49
70.2	545	287761	288289	2.87	2.92
70.3	546	288289	288817	2.00	2.13
70.4	547	288817	289345	2.20	2.38
70.5	548	289345	289873	2.27	2.10
70.6	549	289873	290401	2.10	2.11
70.7	550	290401	290929	1.88	1.74
70.8	551	290929	291457	2.03	2.12
70.9	552	291457	291985	1.79	1.90
71	553	291985	292513	3.75	3.70
71.1	554	292513	293041	4.31	4.19
71.2	555	293041	293569	5.33	5.18
71.3	556	293569	294097	5.01	4.83
71.4	557	294097	294625	2.43	2.66
71.5	558	294625	295153	1.81	1.89
71.6	559	295153	295681	1.75	2.00
71.7	560	295681	296209	1.88	2.24
71.8	561	296209	296737	1.77	1.94
71.9	562	296737	297265	1.96	1.98
72	563	297265	297793	2.34	2.43
72.1	564	297793	298321	1.96	2.07
72.2	565	298321	298849	2.18	2.32
72.3	566	298849	299377	1.55	1.56
72.4	567	299377	299905	1.49	1.70
72.5	568	299905	300433	1.32	1.49
72.6	569	300433	300961	1.96	2.02
72.7	570	300961	301489	1.69	1.67
72.8	571	301489	302017	1.75	1.97
72.9	572	302017	302545	2.07	2.22

73	573	302545	303073	2.19	2.22
73.1	574	303073	303601	1.81	1.76
73.2	575	303601	304129	2.14	2.22
73.3	576	304129	304657	2.39	2.50
73.4	577	304657	305185	1.96	2.31
73.5	578	305185	305713	1.54	1.55
73.6	579	305713	306241	1.41	1.51
73.7	580	306241	306769	1.83	1.94
73.8	581	306769	307297	1.76	2.05
73.9	582	307297	307825	2.13	2.38
74	583	307825	308353	2.29	2.64
74.1	584	308353	308881	1.87	2.03
74.2	585	308881	309409	2.16	2.46
74.3	586	309409	309937	2.18	2.57
74.4	587	309937	310465	2.12	2.31
74.5	588	310465	310993	2.18	2.17
74.6	589	310993	311521	2.08	2.21
74.7	590	311521	312049	2.29	2.74
74.8	591	312049	312577	1.60	1.91
74.9	592	312577	313105	1.81	2.11
75	593	313105	313633	2.05	2.49
75.1	594	313633	314161	2.53	3.07
75.2	595	314161	314689	2.04	2.33
75.3	596	314689	315217	1.73	2.06
75.4	597	315217	315745	1.84	2.11
75.5	598	315745	316273	1.85	1.93
75.6	599	316273	316801	2.23	2.36
75.7	600	316801	317329	1.53	1.54
75.8	601	317329	317857	1.96	2.02
75.9	602	317857	318385	2.75	2.86
76	603	318385	318913	2.28	2.16
76.1	604	318913	319441	1.64	1.69
76.2	605	319441	319969	2.14	2.22
76.3	606	319969	320497	1.54	1.65
76.4	607	320497	321025	1.87	1.98
76.5	608	321025	321553	2.11	2.32
76.6	609	321553	322081	2.55	2.96
76.7	610	322081	322609	2.16	2.56
76.8	611	322609	323137	2.87	3.14
76.9	612	323137	323665	1.53	1.61
77	613	323665	324193	3.33	3.19
77.1	614	324193	324721	2.31	2.61
77.2	615	324721	325249	2.54	3.02

77.3	616	325249	325777	2.45	2.66
77.4	617	325777	326305	2.22	2.26
77.5	618	326305	326833	2.59	2.71
77.6	619	326833	327361	2.71	2.79
77.7	620	327361	327889	2.69	2.50
77.8	621	327889	328417	2.77	2.35
77.9	622	328417	328945	2.31	1.95
78	623	328945	329473	2.69	2.64
78.1	624	329473	330001	2.48	2.37
78.2	625	330001	330529	2.33	2.28
78.3	626	330529	331057	1.87	1.83
78.4	627	331057	331585	2.12	2.13
78.5	628	331585	332113	2.54	2.45
78.6	629	332113	332641	2.16	2.08
78.7	630	332641	333169	1.85	1.84
78.8	631	333169	333697	1.46	1.69
78.9	632	333697	334225	1.87	2.21
79	633	334225	334753	1.79	1.79
79.1	634	334753	335281	1.44	1.40
79.2	635	335281	335809	1.56	1.55
79.3	636	335809	336337	1.70	1.63
79.4	637	336337	336865	1.69	1.74
79.5	638	336865	337393	1.45	1.63
79.6	639	337393	337921	2.26	2.18
79.7	640	337921	338449	2.23	2.15
79.8	641	338449	338977	1.76	1.82
79.9	642	338977	339505	1.96	2.00
80	643	339505	340033	2.08	2.10
80.1	644	340033	340561	1.91	1.84
80.2	645	340561	341089	2.35	2.20
80.3	646	341089	341617	2.10	2.37
80.4	647	341617	342145	2.40	2.72
80.5	648	342145	342673	1.37	1.54
80.6	649	342673	343201	1.99	1.91
80.7	650	343201	343729	1.92	1.93
80.8	651	343729	344257	1.61	1.70
80.9	652	344257	344785	2.87	2.72
81	653	344785	345313	3.11	3.02
81.1	654	345313	345841	4.42	4.49
81.2	655	345841	346369	3.23	3.32
81.3	656	346369	346897	2.62	2.34
81.4	657	346897	347425	2.26	2.23
81.5	658	347425	347953	1.88	2.15

81.6	659	347953	348481	1.83	2.01
81.7	660	348481	349009	2.04	2.15
81.8	661	349009	349537	1.99	1.85
81.9	662	349537	350065	2.44	2.29
82	663	350065	350593	2.08	1.97
82.1	664	350593	351121	2.90	2.96
82.2	665	351121	351649	1.38	1.48
82.3	666	351649	352177	1.43	1.69
82.4	667	352177	352705	1.68	1.98
82.5	668	352705	353233	1.92	1.80
82.6	669	353233	353761	1.76	1.65
82.7	670	353761	354289	1.45	1.24
82.8	671	354289	354817	1.54	1.50
82.9	672	354817	355345	2.19	2.09
83	673	355345	355873	1.48	1.41
83.1	674	355873	356401	1.98	2.00
83.2	675	356401	356929	1.63	1.73
83.3	676	356929	357457	1.62	1.59
83.4	677	357457	357985	1.22	1.22
83.5	678	357985	358513	1.56	1.60
83.6	679	358513	359041	1.43	1.42
83.7	680	359041	359569	1.63	1.61
83.8	681	359569	360097	1.53	1.56
83.9	682	360097	360625	1.22	1.14
84	683	360625	361153	1.30	1.34
84.1	684	361153	361681	1.45	1.47
84.2	685	361681	362209	1.47	1.56
84.3	686	362209	362737	1.52	1.57
84.4	687	362737	363265	1.53	1.52
84.5	688	363265	363793	1.40	1.47
84.6	689	363793	364321	1.57	1.55
84.7	690	364321	364849	1.54	1.46
84.8	691	364849	365377	1.93	1.97
84.9	692	365377	365905	1.60	1.81
85	693	365905	366433	1.84	1.86
85.1	694	366433	366961	1.49	1.57
85.2	695	366961	367489	1.66	1.66
85.3	696	367489	368017	1.29	1.43
85.4	697	368017	368545	2.10	2.12
85.5	698	368545	369073	1.63	1.53
85.6	699	369073	369601	1.33	1.38
85.7	700	369601	370129	1.46	1.79
85.8	701	370129	370657	1.36	1.34

85.9	702	370657	371185	1.59	1.61
86	703	371185	371713	1.93	1.96
86.1	704	371713	372241	4.05	4.01
86.2	705	372241	372769	2.63	3.28
86.3	706	372769	373297	2.57	2.55
86.4	707	373297	373825	2.55	2.59
86.5	708	373825	374353	2.13	2.27
86.6	709	374353	374881	2.58	3.32
86.7	710	374881	375409	1.24	1.85
86.8	711	375409	375937	1.41	2.04
86.9	712	375937	376465	2.54	2.70
87	713	376465	376993	1.34	1.42
87.1	714	376993	377521	1.43	1.42
87.2	715	377521	378049	1.98	2.11
87.3	716	378049	378577	1.37	1.62
87.4	717	378577	379105	1.15	1.19
87.5	718	379105	379633	1.51	1.72
87.6	719	379633	380161	1.27	2.11
87.7	720	380161	380689	1.26	1.67
87.8	721	380689	381217	2.18	2.31
87.9	722	381217	381745	1.22	1.36
88	723	381745	382273	1.28	1.28
88.1	724	382273	382801	1.40	1.37
88.2	725	382801	383329	1.65	1.78
88.3	726	383329	383857	1.36	1.48
88.4	727	383857	384385	1.21	1.28
88.5	728	384385	384913	1.54	1.51
88.6	729	384913	385441	1.63	1.59
88.7	730	385441	385969	1.41	1.58
88.8	731	385969	386497	1.38	1.49
88.9	732	386497	387025	1.76	1.92
89	733	387025	387553	1.75	1.80
89.1	734	387553	388081	1.48	1.59
89.2	735	388081	388609	1.49	1.57
89.3	736	388609	389137	1.61	1.50
89.4	737	389137	389665	1.46	1.61
89.5	738	389665	390193	1.92	1.76
89.6	739	390193	390721	1.63	1.54
89.7	740	390721	391249	1.96	1.84
89.8	741	391249	391777	1.98	1.73
89.9	742	391777	392305	1.67	1.53
90	743	392305	392833	2.14	1.76
90.1	744	392833	393361	2.11	1.95

90.2	745	393361	393889	1.45	1.59
90.3	746	393889	394417	1.46	2.34
90.4	747	394417	394945	1.58	1.94
90.5	748	394945	395473	1.66	1.93
90.6	749	395473	396001	1.55	2.93
90.7	750	396001	396529	1.42	2.59
90.8	751	396529	397057	1.82	1.82
90.9	752	397057	397585	1.39	1.63
91	753	397585	398113	1.46	1.57
91.1	754	398113	398641	1.57	1.65
91.2	755	398641	399169	1.85	1.78
91.3	756	399169	399697	1.66	1.78
91.4	757	399697	400225	1.86	1.65
91.5	758	400225	400753	1.33	1.41
91.6	759	400753	401281	1.55	1.54
91.7	760	401281	401809	1.75	1.68
91.8	761	401809	402337	1.61	1.83
91.9	762	402337	402865	1.49	1.47
92	763	402865	403393	1.59	1.92
92.1	764	403393	403921	1.56	1.90
92.2	765	403921	404449	1.68	1.82
92.3	766	404449	404977	1.87	2.07
92.4	767	404977	405505	1.78	1.74
92.5	768	405505	406033	1.40	1.48
92.6	769	406033	406561	1.54	1.71
92.7	770	406561	407089	1.69	1.84
92.8	771	407089	407617	1.48	1.67
92.9	772	407617	408145	1.42	1.59
93	773	408145	408673	1.70	1.78
93.1	774	408673	409201	1.55	1.77
93.2	775	409201	409729	1.63	1.64
93.3	776	409729	410257	1.63	1.88
93.4	777	410257	410785	1.45	1.65
93.5	778	410785	411313	1.49	1.54
93.6	779	411313	411841	1.70	1.77
93.7	780	411841	412369	1.60	1.71
93.8	781	412369	412897	1.65	1.85
93.9	782	412897	413425	1.34	1.60
94	783	413425	413953	1.74	1.92
94.1	784	413953	414481	1.65	1.91
94.2	785	414481	415009	1.88	1.95
94.3	786	415009	415537	1.46	1.57
94.4	787	415537	416065	2.09	1.79

94.5	788	416065	416593	1.47	1.34
94.6	789	416593	417121	1.56	1.42
94.7	790	417121	417649	1.66	1.57
94.8	791	417649	418177	1.47	1.61
94.9	792	418177	418705	1.76	1.82
95	793	418705	419233	1.68	1.69
95.1	794	419233	419761	1.37	1.28
95.2	795	419761	420289	1.59	1.65
95.3	796	420289	420817	2.00	1.83
95.4	797	420817	421345	1.69	1.54
95.5	798	421345	421873	1.46	1.41
95.6	799	421873	422401	1.60	2.77
95.7	800	422401	422929	1.72	2.32
95.8	801	422929	423457	1.74	2.53
95.9	802	423457	423985	1.50	1.60
96	803	423985	424513	2.02	2.04
96.1	804	424513	425041	2.31	2.28
96.2	805	425041	425569	2.26	2.26
96.3	806	425569	426097	1.58	1.50
96.4	807	426097	426625	1.94	2.18
96.5	808	426625	427153	2.05	2.16
96.6	809	427153	427681	1.55	1.54
96.7	810	427681	428209	1.45	1.50
96.8	811	428209	428737	1.76	1.74
96.9	812	428737	429265	1.98	2.05
97	813	429265	429793	1.95	2.14
97.1	814	429793	430321	1.92	1.91
97.2	815	430321	430849	1.83	1.77
97.3	816	430849	431377	2.10	1.88
97.4	817	431377	431905	1.85	1.65
97.5	818	431905	432433	1.75	1.58
97.6	819	432433	432961	2.23	2.91
97.7	820	432961	433489	2.07	2.18
97.8	821	433489	434017	2.06	2.12
97.9	822	434017	434545	1.66	1.61
98	823	434545	435073	1.71	1.89
98.1	824	435073	435601	1.70	1.90
98.2	825	435601	436129	1.85	2.01
98.3	826	436129	436657	2.62	2.29
98.4	827	436657	437185	2.11	1.96
98.5	828	437185	437713	2.14	1.95
98.6	829	437713	438241	2.04	1.62
98.7	830	438241	438769	2.03	2.00

98.8	831	438769	439297	1.77	1.80
98.9	832	439297	439825	1.88	1.83
99	833	439825	440353	1.81	1.95
99.1	834	440353	440881	1.82	2.01
99.2	835	440881	441409	1.91	1.89
99.3	836	441409	441937	1.77	1.81
99.4	837	441937	442465	1.76	1.79
99.5	838	442465	442993	1.78	1.80
99.6	839	442993	443521	1.69	1.77
99.7	840	443521	444049	2.00	2.15
99.8	841	444049	444577	1.67	1.70
99.9	842	444577	445105	2.02	1.89
100	843	445105	445633	2.06	1.83
100.1	844	445633	446161	1.83	1.87
100.2	845	446161	446689	1.99	2.03
100.3	846	446689	447217	1.73	1.99
100.4	847	447217	447745	2.13	2.32
100.5	848	447745	448273	1.81	2.04
100.6	849	448273	448801	1.67	1.99
100.7	850	448801	449329	1.22	1.60
100.8	851	449329	449857	1.23	1.42
100.9	852	449857	450385	1.49	1.76
101	853	450385	450913	1.39	2.43
101.1	854	450913	451441	1.52	2.21
101.2	855	451441	451969	1.64	2.23
101.3	856	451969	452497	1.51	2.75
101.4	857	452497	453025	1.62	2.94
101.5	858	453025	453553	1.56	2.71
101.6	859	453553	454081	1.55	2.09
101.7	860	454081	454609	1.56	2.59
101.8	861	454609	455137	1.64	2.06
101.9	862	455137	455665	1.90	2.73
102	863	455665	456193	1.89	1.92
102.1	864	456193	456721	1.96	2.29
102.2	865	456721	457249	2.08	2.17
102.3	866	457249	457777	1.97	2.18
102.4	867	457777	458305	1.59	1.90
102.5	868	458305	458833	1.92	2.33
102.6	869	458833	459361	1.89	1.89
102.7	870	459361	459889	3.35	3.57
102.8	871	459889	460417	3.99	3.61
102.9	872	460417	460945	2.60	2.95
103	873	460945	461473	1.45	1.37

103.1	874	461473	462001	1.50	1.59
103.2	875	462001	462529	1.91	2.06
103.3	876	462529	463057	4.31	4.09
103.4	877	463057	463585	2.46	2.25
103.5	878	463585	464113	2.72	2.53
103.6	879	464113	464641	1.96	1.91
103.7	880	464641	465169	1.62	1.77
103.8	881	465169	465697	1.77	1.81
103.9	882	465697	466225	1.60	1.61
104	883	466225	466753	1.63	1.56
104.1	884	466753	467281	3.47	3.55
104.2	885	467281	467809	2.45	2.38
104.3	886	467809	468337	2.89	2.44
104.4	887	468337	468865	4.89	4.89
104.5	888	468865	469393	2.93	3.10
104.6	889	469393	469921	3.19	3.13
104.7	890	469921	470449	2.24	2.50
104.8	891	470449	470977	3.20	3.20
104.9	892	470977	471505	2.26	2.14
105	893	471505	472033	3.11	3.22
105.1	894	472033	472561	1.80	1.69
105.2	895	472561	473089	1.45	1.43
105.3	896	473089	473617	1.74	1.71
105.4	897	473617	474145	1.81	1.74
105.5	898	474145	474673	1.62	1.63
105.6	899	474673	475201	2.41	2.32
105.7	900	475201	475729	1.39	1.42
105.8	901	475729	476257	1.80	1.81
105.9	902	476257	476785	1.99	2.19
106	903	476785	477313	1.72	1.86
106.1	904	477313	477841	1.70	1.86
106.2	905	477841	478369	1.58	1.53
106.3	906	478369	478897	1.89	2.04
106.4	907	478897	479425	3.99	4.11
106.5	908	479425	479953	2.12	2.25
106.6	909	479953	480481	4.35	4.09
106.7	910	480481	481009	1.55	1.64
106.8	911	481009	481537	1.43	1.39
106.9	912	481537	482065	2.06	2.08
107	913	482065	482593	1.80	1.62
107.1	914	482593	483121	1.44	1.41
107.2	915	483121	483649	1.40	1.53
107.3	916	483649	484177	2.11	2.15

107.4	917	484177	484705	2.89	3.72
107.5	918	484705	485233	1.88	1.87
107.6	919	485233	485761	2.03	1.86
107.7	920	485761	486289	1.39	1.32
107.8	921	486289	486817	1.29	1.30
107.9	922	486817	487345	3.33	3.44
108	923	487345	487873	1.98	1.65
108.1	924	487873	488401	2.55	2.35
108.2	925	488401	488929	1.84	1.60
108.3	926	488929	489457	1.74	1.92
108.4	927	489457	489985	1.40	1.48
108.5	928	489985	490513	1.31	1.34
108.6	929	490513	491041	1.71	1.79
108.7	930	491041	491569	1.53	1.47
108.8	931	491569	492097	1.49	1.61
108.9	932	492097	492625	1.46	1.59
109	933	492625	493153	1.31	1.46
109.1	934	493153	493681	1.43	1.48
109.2	935	493681	494209	1.59	1.49
109.3	936	494209	494737	1.43	1.31
109.4	937	494737	495265	2.04	1.96
109.5	938	495265	495793	3.47	3.45
109.6	939	495793	496321	1.98	2.10
109.7	940	496321	496849	3.08	3.09
109.8	941	496849	497377	2.38	2.45
109.9	942	497377	497905	2.86	3.28
110	0	1	529	1.99	1.89
110.1	1	529	1057	1.69	1.71
110.2	2	1057	1585	1.39	1.42
110.3	3	1585	2113	1.78	1.79
110.4	4	2113	2641	2.01	2.31
110.5	5	2641	3169	2.60	2.55
110.6	6	3169	3697	2.39	2.64
110.7	7	3697	4225	1.61	1.76
110.8	8	4225	4753	1.63	1.76
110.9	9	4753	5281	2.34	2.57
111	10	5281	5809	1.95	2.07
111.1	11	5809	6337	2.26	2.22
111.2	12	6337	6865	2.10	1.94
111.3	13	6865	7393	1.75	1.80
111.4	14	7393	7921	1.77	2.04
111.5	15	7921	8449	2.11	1.95
111.6	16	8449	8977	4.75	5.14

111.7	17	8977	9505	2.73	3.16
111.8	18	9505	10033	1.76	2.16
111.9	19	10033	10561	2.09	2.20
112	20	10561	11089	1.97	2.40
112.1	21	11089	11617	2.40	2.49
112.2	22	11617	12145	2.14	2.08
112.3	23	12145	12673	1.83	1.81
112.4	24	12673	13201	2.18	2.26
112.5	25	13201	13729	1.45	1.36
112.6	26	13729	14257	1.54	1.51
112.7	27	14257	14785	1.38	1.36
112.8	28	14785	15313	1.99	1.92
112.9	29	15313	15841	1.33	1.59
113	30	15841	16369	1.36	1.72
113.1	31	16369	16897	4.22	4.03
113.2	32	16897	17425	2.21	2.28
113.3	33	17425	17953	1.29	1.33
113.4	34	17953	18481	1.44	1.39
113.5	35	18481	19009	1.28	1.62
113.6	36	19009	19537	1.39	1.29
113.7	37	19537	20065	1.50	1.53
113.8	38	20065	20593	1.85	1.76
113.9	39	20593	21121	1.45	1.40
114	40	21121	21649	1.27	1.38
114.1	41	21649	22177	2.00	2.00
114.2	42	22177	22705	2.04	1.82
114.3	43	22705	23233	1.08	1.29
114.4	44	23233	23761	1.38	1.45
114.5	45	23761	24289	1.40	1.43
114.6	46	24289	24817	1.46	1.36
114.7	47	24817	25345	1.61	1.45
114.8	48	25345	25873	1.51	1.37
114.9	49	25873	26401	1.54	1.54
115	50	26401	26929	1.45	1.48
115.1	51	26929	27457	1.63	1.67
115.2	52	27457	27985	1.40	1.55
115.3	53	27985	28513	1.44	1.36
115.4	54	28513	29041	1.52	1.44
115.5	55	29041	29569	1.35	1.35
115.6	56	29569	30097	1.40	1.38
115.7	57	30097	30625	1.91	1.79
115.8	58	30625	31153	1.48	1.47
115.9	59	31153	31681	1.38	1.43

116	60	31681	32209	1.88	1.92
116.1	61	32209	32737	3.72	3.77
116.2	62	32737	33265	1.74	1.89
116.3	63	33265	33793	1.71	1.65
116.4	64	33793	34321	1.16	1.49
116.5	65	34321	34849	1.20	1.24
116.6	66	34849	35377	1.87	1.93
116.7	67	35377	35905	1.62	1.56
116.8	68	35905	36433	1.79	1.74
116.9	69	36433	36961	2.03	1.98
117	70	36961	37489	1.45	1.60
117.1	71	37489	38017	2.72	3.29
117.2	72	38017	38545	3.41	3.36
117.3	73	38545	39073	2.37	2.37
117.4	74	39073	39601	2.33	2.71
117.5	75	39601	40129	2.55	3.08
117.6	76	40129	40657	2.19	2.37
117.7	77	40657	41185	2.06	2.09
117.8	78	41185	41713	2.41	2.74
117.9	79	41713	42241	2.08	2.48
118	80	42241	42769	2.46	3.08
118.1	81	42769	43297	1.68	1.74
118.2	82	43297	43825	2.99	3.19
118.3	83	43825	44353	1.63	1.66
118.4	84	44353	44881	2.16	2.72
118.5	85	44881	45409	3.61	4.26
118.6	86	45409	45937	1.64	2.03
118.7	87	45937	46465	2.69	3.25
118.8	88	46465	46993	1.82	2.08
118.9	89	46993	47521	2.31	2.12
119	90	47521	48049	1.77	1.75
119.1	91	48049	48577	1.57	1.69
119.2	92	48577	49105	2.32	2.25
119.3	93	49105	49633	1.53	1.71
119.4	94	49633	50161	1.47	1.48
119.5	95	50161	50689	1.46	1.58
119.6	96	50689	51217	1.52	1.47
119.7	97	51217	51745	1.47	1.53
119.8	98	51745	52273	1.41	1.63
119.9	99	52273	52801	1.77	1.99
120	100	52801	53329	1.59	1.67
120.1	101	53329	53857	1.68	1.69
120.2	102	53857	54385	1.65	1.71

120.3	103	54385	54913	1.79	2.18
120.4	104	54913	55441	1.80	1.95
120.5	105	55441	55969	1.53	1.78
120.6	106	55969	56497	1.75	1.91
120.7	107	56497	57025	2.31	2.53
120.8	108	57025	57553	2.25	2.52
120.9	109	57553	58081	1.54	2.07
121	110	58081	58609	1.80	2.09
121.1	111	58609	59137	2.60	3.01
121.2	112	59137	59665	1.63	1.99
121.3	113	59665	60193	1.62	1.95
121.4	114	60193	60721	1.49	1.62
121.5	115	60721	61249	1.45	1.78
121.6	116	61249	61777	1.34	1.85
121.7	117	61777	62305	1.42	2.23
121.8	118	62305	62833	1.54	1.72
121.9	119	62833	63361	1.92	2.08
122	120	63361	63889	1.71	1.85
122.1	121	63889	64417	1.47	1.76
122.2	122	64417	64945	1.43	1.58
122.3	123	64945	65473	1.57	1.69
122.4	124	65473	66001	1.41	1.53
122.5	125	66001	66529	1.68	1.93
122.6	126	66529	67057	2.92	2.76
122.7	127	67057	67585	1.33	1.31
122.8	128	67585	68113	1.16	1.29
122.9	129	68113	68641	1.22	1.36
123	130	68641	69169	1.39	1.54
123.1	131	69169	69697	1.39	1.62
123.2	132	69697	70225	2.22	2.57
123.3	133	70225	70753	1.37	1.61
123.4	134	70753	71281	1.32	1.58
123.5	135	71281	71809	1.23	1.55
123.6	136	71809	72337	2.92	3.24
123.7	137	72337	72865	2.84	2.77
123.8	138	72865	73393	1.51	1.66
123.9	139	73393	73921	2.34	2.51
124	140	73921	74449	1.67	1.77
124.1	141	74449	74977	1.81	1.94
124.2	142	74977	75505	2.32	2.60
124.3	143	75505	76033	1.42	1.56
124.4	144	76033	76561	1.56	1.66
124.5	145	76561	77089	1.51	1.65

124.6	146	77089	77617	2.03	2.33
124.7	147	77617	78145	1.65	1.77
124.8	148	78145	78673	1.53	1.52
124.9	149	78673	79201	1.50	1.55
125	150	79201	79729	2.00	2.12
125.1	151	79729	80257	2.96	3.54
125.2	152	80257	80785	1.71	2.02
125.3	153	80785	81313	1.89	2.16
125.4	154	81313	81841	1.29	1.31
125.5	155	81841	82369	1.33	1.39
125.6	156	82369	82897	1.38	1.24
125.7	157	82897	83425	1.43	1.64
125.8	158	83425	83953	2.63	3.07
125.9	159	83953	84481	1.63	1.83
126	160	84481	85009	1.56	1.72
126.1	161	85009	85537	2.16	2.47
126.2	162	85537	86065	1.69	1.81
126.3	163	86065	86593	2.46	2.94
126.4	164	86593	87121	1.64	2.12
126.5	165	87121	87649	1.73	1.87
126.6	166	87649	88177	1.81	2.13
126.7	167	88177	88705	1.51	2.02
126.8	168	88705	89233	2.20	2.68
126.9	169	89233	89761	1.64	1.86
127	170	89761	90289	1.30	1.43
127.1	171	90289	90817	1.52	1.61
127.2	172	90817	91345	1.64	2.20
127.3	173	91345	91873	1.64	1.78
127.4	174	91873	92401	1.92	2.38
127.5	175	92401	92929	1.70	1.97
127.6	176	92929	93457	1.68	1.78
127.7	177	93457	93985	1.53	1.96
127.8	178	93985	94513	1.65	1.64
127.9	179	94513	95041	1.68	1.68
128	180	95041	95569	1.67	1.64
128.1	181	95569	96097	1.44	1.44
128.2	182	96097	96625	1.28	1.37
128.3	183	96625	97153	1.28	1.44
128.4	184	97153	97681	1.85	1.98
128.5	185	97681	98209	3.16	3.33
128.6	186	98209	98737	2.07	2.32
128.7	187	98737	99265	2.04	2.19
128.8	0	1	529	2.96	3.09

128.9	1	529	1057	3.73	3.67
129	2	1057	1585	2.01	2.20
129.1	3	1585	2113	2.22	2.09
129.2	4	2113	2641	2.55	2.50
129.3	5	2641	3169	2.20	2.12
129.4	6	3169	3697	1.54	1.55
129.5	7	3697	4225	2.12	2.03
129.6	8	4225	4753	2.59	2.52
129.7	9	4753	5281	2.08	2.31
129.8	10	5281	5809	2.37	2.42
129.9	11	5809	6337	1.82	1.83
130	12	6337	6865	2.02	2.29
130.1	13	6865	7393	2.01	2.27
130.2	14	7393	7921	1.74	2.02
130.3	15	7921	8449	2.19	1.88
130.4	16	8449	8977	3.61	3.79
130.5	17	8977	9505	2.39	2.52
130.6	18	9505	10033	2.44	2.73
130.7	19	10033	10561	3.42	4.06
130.8	20	10561	11089	2.35	2.44
130.9	21	11089	11617	2.32	2.51
131	22	11617	12145	2.43	2.55
131.1	23	12145	12673	2.07	2.28
131.2	24	12673	13201	2.37	2.27
131.3	25	13201	13729	2.05	2.11
131.4	26	13729	14257	1.76	1.78
131.5	27	14257	14785	2.18	2.06
131.6	28	14785	15313	1.85	1.79
131.7	29	15313	15841	1.86	1.91
131.8	30	15841	16369	2.00	1.93
131.9	31	16369	16897	1.64	1.58
132	32	16897	17425	2.40	2.41
132.1	33	17425	17953	1.55	1.54
132.2	34	17953	18481	1.51	1.62
132.3	35	18481	19009	1.89	1.88
132.4	36	19009	19537	1.97	2.06
132.5	37	19537	20065	1.75	1.89
132.6	38	20065	20593	2.76	2.87
132.7	39	20593	21121	1.81	1.83
132.8	40	21121	21649	1.74	1.78
132.9	41	21649	22177	2.28	2.24
133	42	22177	22705	1.81	1.99
133.1	43	22705	23233	1.67	1.69

133.2	44	23233	23761	2.08	2.26
133.3	45	23761	24289	2.23	2.28
133.4	46	24289	24817	2.18	2.26
133.5	47	24817	25345	1.68	1.78
133.6	48	25345	25873	2.06	2.31
133.7	49	25873	26401	1.83	1.98
133.8	50	26401	26929	1.89	2.09
133.9	51	26929	27457	1.78	1.79
134	52	27457	27985	1.71	1.70
134.1	53	27985	28513	2.04	1.98
134.2	54	28513	29041	1.83	1.84
134.3	55	29041	29569	2.98	3.05
134.4	56	29569	30097	4.24	4.33
134.5	57	30097	30625	3.49	3.44
134.6	58	30625	31153	2.48	3.12
134.7	59	31153	31681	2.44	2.27
134.8	60	31681	32209	2.70	2.58
134.9	61	32209	32737	3.50	3.00
135	62	32737	33265	2.96	2.71
135.1	63	33265	33793	2.27	2.30
135.2	64	33793	34321	3.39	3.66
135.3	65	34321	34849	2.70	2.73
135.4	66	34849	35377	2.58	2.45
135.5	67	35377	35905	2.78	2.62
135.6	68	35905	36433	2.21	2.17
135.7	69	36433	36961	1.74	1.85
135.8	70	36961	37489	2.91	2.91
135.9	71	37489	38017	2.56	2.45
136	72	38017	38545	2.36	2.13
136.1	73	38545	39073	3.94	3.75
136.2	74	39073	39601	4.02	3.68
136.3	75	39601	40129	3.72	3.40
136.4	76	40129	40657	3.81	3.90
136.5	77	40657	41185	2.03	1.92
136.6	78	41185	41713	2.90	2.77
136.7	79	41713	42241	2.99	2.92
136.8	80	42241	42769	1.78	1.90
136.9	81	42769	43297	1.95	2.03
137	82	43297	43825	2.13	2.35
137.1	83	43825	44353	2.02	1.91
137.2	84	44353	44881	2.44	2.54
137.3	85	44881	45409	2.13	2.00
137.4	86	45409	45937	2.24	2.25

137.5	87	45937	46465	2.44	2.34
137.6	88	46465	46993	2.33	2.27
137.7	89	46993	47521	2.65	2.63
137.8	90	47521	48049	2.72	2.83
137.9	91	48049	48577	3.72	3.66
138	92	48577	49105	2.87	2.87
138.1	93	49105	49633	2.84	2.78
138.2	94	49633	50161	2.02	2.15
138.3	95	50161	50689	1.96	2.19
138.4	96	50689	51217	2.39	2.17
138.5	97	51217	51745	3.04	2.90
138.6	98	51745	52273	2.30	2.25
138.7	99	52273	52801	1.88	2.03
138.8	100	52801	53329	1.91	1.87
138.9	101	53329	53857	2.02	2.14
139	102	53857	54385	5.49	5.60
139.1	103	54385	54913	2.95	2.91
139.2	104	54913	55441	1.89	1.79
139.3	105	55441	55969	3.08	3.14
139.4	106	55969	56497	1.94	1.98
139.5	107	56497	57025	1.86	1.86
139.6	108	57025	57553	2.19	2.03
139.7	109	57553	58081	1.86	1.66
139.8	110	58081	58609	2.15	2.11
139.9	111	58609	59137	2.72	2.64
140	112	59137	59665	2.46	2.37
140.1	113	59665	60193	2.99	2.77
140.2	114	60193	60721	2.54	2.55
140.3	115	60721	61249	2.38	2.24
140.4	116	61249	61777	2.34	2.28
140.5	117	61777	62305	2.12	2.05
140.6	118	62305	62833	3.24	3.24
140.7	119	62833	63361	6.20	5.70
140.8	120	63361	63889	2.49	2.54
140.9	121	63889	64417	2.49	2.61
141	122	64417	64945	3.49	3.30
141.1	123	64945	65473	3.04	3.03
141.2	124	65473	66001	1.84	1.87
141.3	125	66001	66529	1.87	2.06
141.4	126	66529	67057	2.08	2.07
141.5	127	67057	67585	1.97	2.05
141.6	128	67585	68113	2.73	2.68
141.7	129	68113	68641	1.96	1.94

141.8	130	68641	69169	1.58	1.61
141.9	131	69169	69697	1.68	1.68
142	132	69697	70225	1.81	1.82
142.1	133	70225	70753	2.35	2.30
142.2	134	70753	71281	2.18	2.18
142.3	135	71281	71809	1.77	1.89
142.4	136	71809	72337	2.33	2.47
142.5	137	72337	72865	1.61	1.73
142.6	138	72865	73393	2.00	2.03
142.7	139	73393	73921	2.52	2.49
142.8	140	73921	74449	1.74	1.74
142.9	141	74449	74977	1.87	1.80
143	142	74977	75505	2.03	1.89
143.1	143	75505	76033	1.94	1.81
143.2	144	76033	76561	1.77	1.69
143.3	145	76561	77089	1.86	1.94
143.4	146	77089	77617	3.38	3.43
143.5	147	77617	78145	2.11	2.06
143.6	148	78145	78673	2.01	2.00
143.7	149	78673	79201	1.78	1.77
143.8	150	79201	79729	2.05	2.17
143.9	151	79729	80257	1.86	2.08
144	152	80257	80785	1.92	2.07
144.1	153	80785	81313	2.48	2.67
144.2	154	81313	81841	1.42	1.61
144.3	155	81841	82369	1.78	1.86
144.4	156	82369	82897	1.79	1.84
144.5	157	82897	83425	1.58	1.84
144.6	158	83425	83953	1.91	1.92
144.7	159	83953	84481	1.91	1.90
144.8	160	84481	85009	1.95	1.91
144.9	161	85009	85537	1.60	1.70
145	162	85537	86065	2.03	2.05
145.1	163	86065	86593	1.64	1.72
145.2	164	86593	87121	1.55	1.48
145.3	165	87121	87649	2.33	2.37
145.4	166	87649	88177	2.68	2.56
145.5	167	88177	88705	2.82	2.77
145.6	168	88705	89233	3.01	2.75
145.7	169	89233	89761	4.05	3.68
145.8	170	89761	90289	3.13	2.76
145.9	171	90289	90817	2.96	2.70
146	172	90817	91345	2.29	2.03

146.1	173	91345	91873	3.07	2.63
146.2	174	91873	92401	3.89	3.28
146.3	175	92401	92929	3.03	2.54
146.4	176	92929	93457	3.53	3.46
146.5	177	93457	93985	4.75	5.02
146.6	178	93985	94513	3.66	4.37
146.7	179	94513	95041	2.58	2.82
146.8	180	95041	95569	3.04	4.00
146.9	181	95569	96097	4.19	4.27
147	182	96097	96625	5.03	5.81
147.1	183	96625	97153	6.68	6.90
147.2	184	97153	97681	4.71	5.24
147.3	185	97681	98209	4.79	7.19
147.4	186	98209	98737	3.71	3.68
147.5	187	98737	99265	3.63	3.58
147.6	188	99265	99793	1.87	1.85
147.7	189	99793	100321	3.24	3.21
147.8	190	100321	100849	2.43	2.47
147.9	191	100849	101377	2.22	2.44
148	192	101377	101905	2.36	2.49
148.1	193	101905	102433	2.50	2.51
148.2	194	102433	102961	2.24	2.33
148.3	195	102961	103489	2.44	2.68
148.4	196	103489	104017	2.24	2.35
148.5	197	104017	104545	3.08	2.97
148.6	198	104545	105073	3.33	3.62
148.7	199	105073	105601	3.00	3.07
148.8	200	105601	106129	3.36	3.86
148.9	201	106129	106657	3.00	2.96
149	202	106657	107185	2.60	2.51
149.1	203	107185	107713	2.19	2.28
149.2	204	107713	108241	2.54	2.40
149.3	205	108241	108769	2.61	2.36
149.4	206	108769	109297	2.09	2.03
149.5	207	109297	109825	2.11	2.20
149.6	208	109825	110353	2.36	2.35
149.7	209	110353	110881	2.31	2.28
149.8	210	110881	111409	2.02	1.89
149.9	211	111409	111937	1.64	1.82
150	212	111937	112465	3.38	3.31
150.1	213	112465	112993	2.51	2.43
150.2	214	112993	113521	2.42	2.45
150.3	215	113521	114049	3.08	3.58

150.4	216	114049	114577	1.97	2.28
150.5	217	114577	115105	2.63	2.57
150.6	218	115105	115633	2.45	2.70
150.7	219	115633	116161	2.40	2.24
150.8	220	116161	116689	3.11	3.21
150.9	221	116689	117217	2.27	2.42
151	222	117217	117745	1.96	2.16
151.1	223	117745	118273	1.86	2.29
151.2	224	118273	118801	1.95	2.19
151.3	225	118801	119329	1.87	2.10
151.4	226	119329	119857	1.64	1.77
151.5	227	119857	120385	2.56	2.63
151.6	228	120385	120913	3.08	3.11
151.7	229	120913	121441	2.40	2.69
151.8	230	121441	121969	2.51	2.52
151.9	231	121969	122497	1.78	1.96
152	232	122497	123025	1.60	1.69
152.1	233	123025	123553	2.17	2.21
152.2	234	123553	124081	2.44	2.61
152.3	235	124081	124609	1.66	1.77
152.4	236	124609	125137	2.07	2.13
152.5	237	125137	125665	2.47	2.39
152.6	238	125665	126193	1.40	1.34
152.7	239	126193	126721	1.85	1.81
152.8	240	126721	127249	1.87	2.05
152.9	241	127249	127777	1.82	1.95
153	242	127777	128305	1.62	1.54
153.1	243	128305	128833	1.45	1.56
153.2	244	128833	129361	1.47	1.36
153.3	245	129361	129889	1.54	1.40
153.4	246	129889	130417	2.56	2.50
153.5	247	130417	130945	2.27	2.45
153.6	248	130945	131473	1.49	1.56
153.7	249	131473	132001	2.06	2.21
153.8	250	132001	132529	2.75	2.61
153.9	251	132529	133057	2.40	2.53
154	252	133057	133585	1.49	1.62
154.1	253	133585	134113	1.47	1.55
154.2	254	134113	134641	1.55	1.38
154.3	255	134641	135169	2.63	2.53
154.4	256	135169	135697	1.80	1.65
154.5	257	135697	136225	1.73	1.76
154.6	258	136225	136753	2.12	1.92

154.7	259	136753	137281	1.68	1.78
154.8	260	137281	137809	1.78	1.85
154.9	261	137809	138337	1.57	1.63
155	262	138337	138865	1.52	1.54
155.1	263	138865	139393	2.81	2.99
155.2	264	139393	139921	5.89	6.57
155.3	265	139921	140449	2.37	2.39
155.4	266	140449	140977	2.25	2.22
155.5	267	140977	141505	1.97	1.94
155.6	268	141505	142033	1.95	1.80
155.7	269	142033	142561	1.85	1.87
155.8	270	142561	143089	1.89	2.11
155.9	271	143089	143617	3.16	3.54
156	272	143617	144145	3.37	3.58
156.1	273	144145	144673	3.07	3.29
156.2	274	144673	145201	2.38	2.98
156.3	275	145201	145729	3.36	3.57
156.4	276	145729	146257	3.11	3.98
156.5	277	146257	146785	3.67	3.76
156.6	278	146785	147313	2.59	3.20
156.7	279	147313	147841	2.23	2.91
156.8	280	147841	148369	2.84	3.38
156.9	281	148369	148897	3.05	3.34
157	282	148897	149425	3.73	3.66
157.1	283	149425	149953	2.97	3.17
157.2	284	149953	150481	2.97	3.11
157.3	285	150481	151009	2.31	2.93
157.4	286	151009	151537	2.15	2.81
157.5	287	151537	152065	3.16	3.48
157.6	288	152065	152593	2.88	3.56
157.7	289	152593	153121	2.60	3.29
157.8	290	153121	153649	2.86	3.69
157.9	291	153649	154177	3.25	3.10
158	292	154177	154705	3.05	3.11
158.1	293	154705	155233	4.35	3.84
158.2	294	155233	155761	2.68	3.43
158.3	295	155761	156289	3.00	3.73
158.4	296	156289	156817	2.95	3.54
158.5	297	156817	157345	2.80	3.48
158.6	298	157345	157873	2.34	3.60
158.7	299	157873	158401	2.99	4.03
158.8	300	158401	158929	2.69	3.42
158.9	301	158929	159457	2.73	4.78

159	302	159457	159985	2.86	3.58
159.1	303	159985	160513	3.61	3.50
159.2	304	160513	161041	2.68	2.85
159.3	305	161041	161569	2.56	2.75
159.4	306	161569	162097	3.18	3.81
159.5	307	162097	162625	2.46	2.94
159.6	308	162625	163153	2.35	3.12
159.7	309	163153	163681	2.12	2.58
159.8	310	163681	164209	1.90	2.23
159.9	311	164209	164737	2.06	2.60
160	312	164737	165265	1.99	3.11
160.1	313	165265	165793	2.69	3.46
160.2	314	165793	166321	3.36	3.62
160.3	315	166321	166849	2.44	3.09
160.4	316	166849	167377	2.03	3.06
160.5	317	167377	167905	2.69	3.50
160.6	318	167905	168433	2.53	3.48
160.7	319	168433	168961	2.17	2.66
160.8	320	168961	169489	2.49	2.98
160.9	321	169489	170017	2.07	2.73
161	322	170017	170545	4.01	4.06
161.1	323	170545	171073	2.16	3.08
161.2	324	171073	171601	2.61	3.24
161.3	325	171601	172129	2.27	2.67
161.4	326	172129	172657	1.96	2.89
161.5	327	172657	173185	2.21	3.01
161.6	328	173185	173713	1.81	2.72
161.7	329	173713	174241	2.15	2.81
161.8	330	174241	174769	2.09	2.70
161.9	331	174769	175297	2.32	3.03
162	332	175297	175825	2.17	2.75
162.1	333	175825	176353	1.90	2.31
162.2	334	176353	176881	2.30	2.54
162.3	335	176881	177409	3.10	5.14
162.4	336	177409	177937	2.36	3.02
162.5	337	177937	178465	3.33	3.44
162.6	338	178465	178993	2.66	2.92
162.7	339	178993	179521	3.10	3.37
162.8	340	179521	180049	2.49	2.87
162.9	341	180049	180577	3.36	3.74
163	342	180577	181105	3.75	4.15
163.1	343	181105	181633	3.75	5.02
163.2	344	181633	182161	2.52	4.12

163.3	345	182161	182689	2.58	4.13
163.4	346	182689	183217	2.27	3.65
163.5	347	183217	183745	1.99	4.34
163.6	348	183745	184273	2.39	4.82
163.7	349	184273	184801	2.57	4.36
163.8	350	184801	185329	2.11	3.14
163.9	351	185329	185857	2.80	3.42
164	352	185857	186385	2.86	4.36
164.1	353	186385	186913	2.59	4.38
164.2	354	186913	187441	2.51	4.00
164.3	355	187441	187969	3.09	4.48
164.4	356	187969	188497	3.36	4.55
164.5	357	188497	189025	3.09	3.91
164.6	358	189025	189553	2.54	3.25
164.7	359	189553	190081	1.91	2.99
164.8	360	190081	190609	2.03	3.23
164.9	361	190609	191137	2.89	3.98
165	362	191137	191665	1.95	2.90
165.1	363	191665	192193	2.50	3.51
165.2	364	192193	192721	2.07	2.68
165.3	365	192721	193249	2.05	2.97
165.4	366	193249	193777	1.71	2.71
165.5	367	193777	194305	2.03	3.11
165.6	368	194305	194833	1.82	3.22
165.7	369	194833	195361	2.05	3.51
165.8	370	195361	195889	1.85	3.04
165.9	371	195889	196417	2.73	3.80
166	372	196417	196945	3.32	3.91
166.1	373	196945	197473	2.57	2.90
166.2	374	197473	198001	2.54	2.83
166.3	375	198001	198529	2.11	3.05
166.4	376	198529	199057	2.16	3.16
166.5	377	199057	199585	2.16	2.91
166.6	378	199585	200113	2.09	2.85
166.7	379	200113	200641	1.62	2.37
166.8	380	200641	201169	2.40	2.71
166.9	381	201169	201697	2.41	2.30
167	382	201697	202225	3.22	3.01
167.1	383	202225	202753	3.45	3.44
167.2	384	202753	203281	3.53	3.89
167.3	385	203281	203809	3.22	3.14
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167.5	387	204337	204865	1.76	1.77

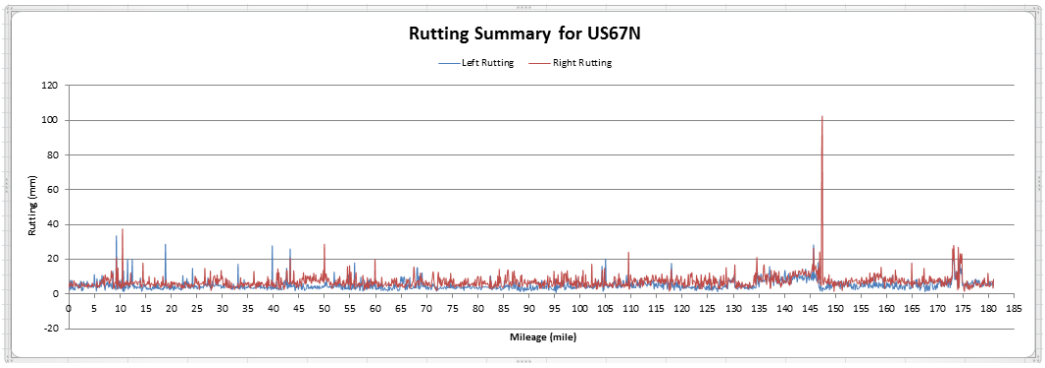
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167.7	389	205393	205921	1.97	2.33
167.8	390	205921	206449	1.73	1.78
167.9	391	206449	206977	1.86	2.00
168	392	206977	207505	2.13	2.24
168.1	393	207505	208033	2.08	2.10
168.2	394	208033	208561	1.90	2.18
168.3	395	208561	209089	1.96	1.98
168.4	396	209089	209617	1.72	1.67
168.5	397	209617	210145	2.10	2.09
168.6	398	210145	210673	1.56	1.52
168.7	399	210673	211201	1.97	1.79
168.8	400	211201	211729	1.59	1.52
168.9	401	211729	212257	1.80	1.91
169	402	212257	212785	2.04	1.75
169.1	403	212785	213313	1.80	1.86
169.2	404	213313	213841	1.83	1.82
169.3	405	213841	214369	1.90	1.77
169.4	406	214369	214897	1.71	1.87
169.5	407	214897	215425	1.79	1.95
169.6	408	215425	215953	2.31	2.35
169.7	409	215953	216481	2.05	2.12
169.8	410	216481	217009	1.75	1.75
169.9	411	217009	217537	2.49	2.31
170	412	217537	218065	2.25	2.22
170.1	413	218065	218593	2.13	2.01
170.2	414	218593	219121	2.00	1.98
170.3	415	219121	219649	2.13	1.80
170.4	416	219649	220177	1.78	1.77
170.5	417	220177	220705	1.81	1.83
170.6	418	220705	221233	1.75	1.83
170.7	419	221233	221761	1.51	1.56
170.8	420	221761	222289	2.70	2.35
170.9	421	222289	222817	2.70	2.68
171	422	222817	223345	2.57	2.84
171.1	423	223345	223873	2.32	2.69
171.2	424	223873	224401	3.33	3.12
171.3	425	224401	224929	2.09	1.86
171.4	426	224929	225457	2.20	1.94
171.5	427	225457	225985	1.84	1.77
171.6	428	225985	226513	2.09	2.17
171.7	429	226513	227041	2.20	2.10
171.8	430	227041	227569	2.71	2.66

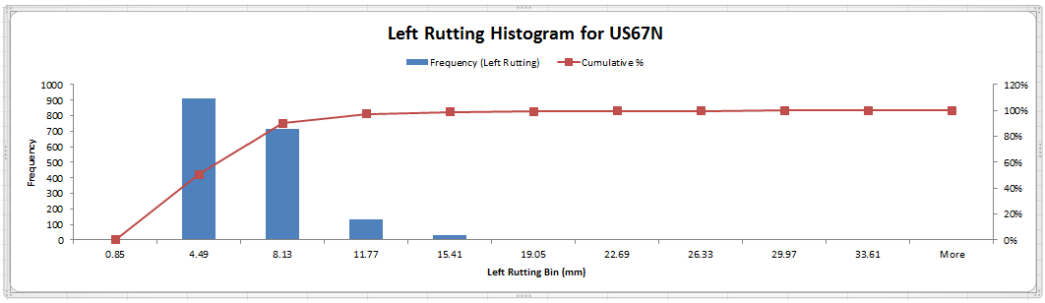
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172.2	434	229153	229681	2.26	2.26
172.3	435	229681	230209	2.35	2.47
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172.5	437	230737	231265	2.54	2.50
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172.7	439	231793	232321	2.57	2.65
172.8	440	232321	232849	3.51	3.65
172.9	441	232849	233377	2.93	2.51
173	442	233377	233905	3.42	2.79
173.1	443	233905	234433	3.10	2.61
173.2	444	234433	234961	4.06	4.08
173.3	445	234961	235489	3.88	3.81
173.4	446	235489	236017	3.24	3.32
173.5	447	236017	236545	3.53	4.00
173.6	448	236545	237073	3.34	3.87
173.7	449	237073	237601	3.33	3.71
173.8	450	237601	238129	4.18	4.70
173.9	451	238129	238657	6.30	6.78
174	452	238657	239185	4.46	4.75
174.1	453	239185	239713	4.77	5.75
174.2	454	239713	240241	3.34	4.49
174.3	455	240241	240769	3.72	3.86
174.4	456	240769	241297	2.64	3.27
174.5	457	241297	241825	2.77	2.43
174.6	458	241825	242353	4.03	4.05
174.7	459	242353	242881	3.50	3.71
174.8	460	242881	243409	2.62	2.83
174.9	461	243409	243937	2.24	2.27
175	462	243937	244465	2.28	2.78
175.1	463	244465	244993	1.87	2.05
175.2	464	244993	245521	1.76	2.20
175.3	465	245521	246049	1.53	1.72
175.4	466	246049	246577	1.77	1.94
175.5	467	246577	247105	1.92	2.19
175.6	468	247105	247633	2.06	2.12
175.7	469	247633	248161	2.34	2.03
175.8	470	248161	248689	2.07	2.34
175.9	471	248689	249217	2.21	2.32
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176.1	473	249745	250273	1.95	2.04

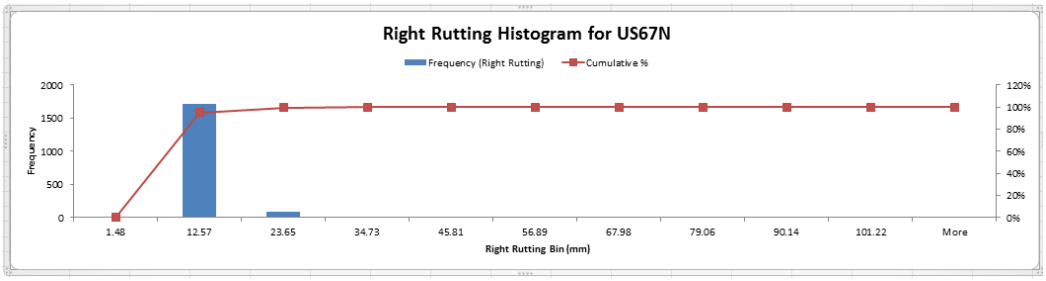
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176.4	476	251329	251857	1.52	1.59
176.5	477	251857	252385	1.65	1.61
176.6	478	252385	252913	1.59	1.60
176.7	479	252913	253441	2.14	2.13
176.8	480	253441	253969	2.01	2.23
176.9	481	253969	254497	1.90	2.01
177	482	254497	255025	1.28	1.47
177.1	483	255025	255553	1.43	1.58
177.2	484	255553	256081	1.52	1.57
177.3	485	256081	256609	1.76	1.90
177.4	486	256609	257137	1.81	1.99
177.5	487	257137	257665	1.90	1.93
177.6	488	257665	258193	1.71	1.79
177.7	489	258193	258721	1.99	2.06
177.8	490	258721	259249	1.96	2.18
177.9	491	259249	259777	1.85	2.01
178	492	259777	260305	1.49	1.53
178.1	493	260305	260833	1.87	1.77
178.2	494	260833	261361	1.59	1.62
178.3	495	261361	261889	1.62	1.66
178.4	496	261889	262417	1.64	1.74
178.5	497	262417	262945	1.68	1.91
178.6	498	262945	263473	1.91	1.96
178.7	499	263473	264001	2.12	2.20
178.8	500	264001	264529	1.55	1.65
178.9	501	264529	265057	1.63	1.66
179	502	265057	265585	1.74	1.79
179.1	503	265585	266113	2.04	1.99
179.2	504	266113	266641	2.41	2.50
179.3	505	266641	267169	1.88	1.91
179.4	506	267169	267697	1.66	1.69
179.5	507	267697	268225	1.98	2.09
179.6	508	268225	268753	1.83	1.66
179.7	509	268753	269281	2.26	3.33
179.8	510	269281	269809	1.93	2.11
179.9	511	269809	270337	1.68	1.89
180	512	270337	270865	1.66	1.88
180.1	513	270865	271393	1.77	1.83
180.2	514	271393	271921	1.65	1.75
180.3	515	271921	272449	1.68	1.57
180.4	516	272449	272977	1.69	1.90

180.5	517	272977	273505	1.92	1.94
180.6	518	273505	274033	1.44	1.49
180.7	519	274033	274561	1.63	1.79
180.8	520	274561	275089	1.63	1.64
180.9	521	275089	275617	2.44	2.42

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	3.60	5.95
0.1	1	529	1057	4.55	3.78
0.2	2	1057	1585	2.39	5.90
0.3	3	1585	2113	7.82	5.79
0.4	4	2113	2641	5.77	7.09
0.5	5	2641	3169	2.75	4.62
0.6	6	3169	3697	7.99	5.42
0.7	7	3697	4225	3.43	4.33
0.8	8	4225	4753	4.93	4.44
0.9	9	4753	5281	2.30	6.74
1	10	5281	5809	3.33	7.76
1.1	11	5809	6337	3.14	6.49
1.2	12	6337	6865	2.32	4.42
1.3	13	6865	7393	5.67	5.58
1.4	14	7393	7921	5.14	6.41
1.5	15	7921	8449	6.02	5.35
1.6	16	8449	8977	4.90	4.58
1.7	17	8977	9505	4.64	4.59
1.8	18	9505	10033	3.24	5.02
1.9	19	10033	10561	4.67	5.36
2	20	10561	11089	5.79	3.38
2.1	21	11089	11617	5.88	4.07
2.2	22	11617	12145	3.64	3.77
2.3	23	12145	12673	7.41	3.75
2.4	24	12673	13201	7.18	4.25
2.5	25	13201	13729	1.85	6.72
2.6	26	13729	14257	3.51	6.75
2.7	27	14257	14785	2.14	4.64
2.8	28	14785	15313	2.64	4.86
2.9	29	15313	15841	7.28	5.55
3	30	15841	16369	5.22	5.77
3.1	31	16369	16897	4.91	4.17
3.2	32	16897	17425	6.05	4.73
3.3	33	17425	17953	5.96	4.84
3.4	34	17953	18481	4.78	4.52
3.5	35	18481	19009	5.68	3.99
3.6	36	19009	19537	7.49	5.75
3.7	37	19537	20065	5.56	3.98
3.8	38	20065	20593	3.14	6.30
3.9	39	20593	21121	5.05	4.63
4	40	21121	21649	4.97	4.98
4.1	41	21649	22177	5.30	4.44

4.2	42	22177	22705	4.28	3.92
4.3	43	22705	23233	4.49	4.53
4.4	44	23233	23761	5.18	3.87
4.5	45	23761	24289	5.25	5.46
4.6	46	24289	24817	4.01	6.41
4.7	47	24817	25345	5.52	4.71
4.8	48	25345	25873	3.68	4.83
4.9	49	25873	26401	5.72	5.13
5	50	26401	26929	11.31	5.57
5.1	51	26929	27457	5.46	4.74
5.2	52	27457	27985	5.49	4.49
5.3	53	27985	28513	4.70	4.26
5.4	54	28513	29041	1.71	4.72
5.5	55	29041	29569	8.94	7.38
5.6	56	29569	30097	3.81	3.55
5.7	57	30097	30625	4.71	5.03
5.8	58	30625	31153	4.28	4.62
5.9	59	31153	31681	4.94	4.12
6	60	31681	32209	3.71	4.66
6.1	61	32209	32737	8.28	7.08
6.2	62	32737	33265	7.20	5.22
6.3	63	33265	33793	4.08	6.34
6.4	64	33793	34321	6.77	7.78
6.5	65	34321	34849	10.90	8.57
6.6	66	34849	35377	6.78	7.38
6.7	67	35377	35905	5.79	6.06
6.8	68	35905	36433	5.66	10.33
6.9	69	36433	36961	6.74	5.15
7	70	36961	37489	3.61	4.43
7.1	71	37489	38017	2.17	10.96
7.2	72	38017	38545	5.35	9.38
7.3	73	38545	39073	5.05	8.76
7.4	74	39073	39601	6.60	7.49
7.5	75	39601	40129	5.40	9.73
7.6	76	40129	40657	7.40	8.23
7.7	77	40657	41185	5.20	9.25
7.8	78	41185	41713	3.81	8.34
7.9	79	41713	42241	5.38	5.75
8	80	42241	42769	4.31	6.36
8.1	81	42769	43297	5.08	8.32
8.2	82	43297	43825	6.30	7.74
8.3	83	43825	44353	4.62	13.38
8.4	84	44353	44881	3.58	9.16

8.5	85	44881	45409	2.98	12.10
8.6	86	45409	45937	13.26	11.49
8.7	87	45937	46465	4.47	3.75
8.8	88	46465	46993	4.43	2.95
8.9	89	46993	47521	5.41	5.71
9	90	47521	48049	3.31	6.73
9.1	91	48049	48577	4.67	6.40
9.2	92	48577	49105	2.53	6.09
9.3	93	49105	49633	33.61	20.97
9.4	94	49633	50161	6.58	4.87
9.5	95	50161	50689	2.76	3.17
9.6	96	50689	51217	3.04	15.14
9.7	97	51217	51745	4.30	5.28
9.8	98	51745	52273	7.82	4.78
9.9	99	52273	52801	3.28	4.49
10	100	52801	53329	4.36	7.46
10.1	101	53329	53857	5.36	3.35
10.2	102	53857	54385	3.38	3.21
10.3	103	54385	54913	8.44	5.98
10.4	104	54913	55441	7.95	3.56
10.5	105	55441	55969	2.88	37.58
10.6	106	55969	56497	1.66	6.09
10.7	107	56497	57025	13.43	4.03
10.8	108	57025	57553	1.56	4.44
10.9	109	57553	58081	2.44	6.91
11	110	58081	58609	4.48	4.85
11.1	111	58609	59137	3.65	6.58
11.2	112	59137	59665	3.34	5.13
11.3	113	59665	60193	5.09	7.71
11.4	114	60193	60721	5.22	7.81
11.5	115	60721	61249	20.08	5.29
11.6	116	61249	61777	2.73	6.70
11.7	117	61777	62305	3.58	5.41
11.8	118	62305	62833	4.79	4.44
11.9	119	62833	63361	3.90	6.81
12	120	63361	63889	3.72	5.71
12.1	121	63889	64417	8.57	12.23
12.2	122	64417	64945	6.95	6.16
12.3	123	64945	65473	6.95	5.68
12.4	124	65473	66001	19.96	5.39
12.5	125	66001	66529	5.13	6.93
12.6	126	66529	67057	4.26	6.32
12.7	127	67057	67585	6.06	5.98

12.8	128	67585	68113	3.01	6.56
12.9	129	68113	68641	4.87	6.13
13	130	68641	69169	3.96	7.38
13.1	131	69169	69697	3.73	7.60
13.2	132	69697	70225	4.16	7.32
13.3	133	70225	70753	3.06	6.36
13.4	134	70753	71281	4.34	5.63
13.5	135	71281	71809	4.05	5.31
13.6	136	71809	72337	4.06	7.13
13.7	137	72337	72865	3.74	7.01
13.8	138	72865	73393	3.31	6.77
13.9	139	73393	73921	4.28	7.11
14	140	73921	74449	9.43	7.94
14.1	141	74449	74977	3.41	4.40
14.2	142	74977	75505	2.69	5.45
14.3	143	75505	76033	1.48	3.81
14.4	144	76033	76561	3.65	7.06
14.5	145	76561	77089	3.23	18.01
14.6	146	77089	77617	4.96	6.88
14.7	147	77617	78145	5.78	8.13
14.8	148	78145	78673	4.16	5.08
14.9	149	78673	79201	5.28	4.89
15	150	79201	79729	5.10	4.89
15.1	151	79729	80257	3.20	5.26
15.2	152	80257	80785	3.79	5.94
15.3	153	80785	81313	2.56	5.38
15.4	154	81313	81841	3.11	7.25
15.5	155	81841	82369	3.63	6.41
15.6	156	82369	82897	2.88	5.77
15.7	0	1	529	2.59	10.22
15.8	1	529	1057	3.22	6.09
15.9	2	1057	1585	3.63	3.76
16	3	1585	2113	2.56	4.80
16.1	4	2113	2641	3.03	6.40
16.2	5	2641	3169	2.09	5.80
16.3	6	3169	3697	3.09	5.73
16.4	7	3697	4225	4.34	5.23
16.5	8	4225	4753	4.29	5.48
16.6	9	4753	5281	2.79	4.49
16.7	10	5281	5809	3.22	5.61
16.8	11	5809	6337	4.97	9.58
16.9	12	6337	6865	3.35	4.45
17	13	6865	7393	3.73	4.23

17.1	14	7393	7921	5.63	6.28
17.2	15	7921	8449	3.19	5.89
17.3	16	8449	8977	3.22	7.02
17.4	17	8977	9505	7.41	7.76
17.5	18	9505	10033	3.12	5.73
17.6	19	10033	10561	4.06	6.11
17.7	20	10561	11089	3.07	5.77
17.8	21	11089	11617	3.49	4.72
17.9	22	11617	12145	2.65	4.17
18	23	12145	12673	2.83	3.65
18.1	24	12673	13201	2.86	7.06
18.2	25	13201	13729	2.58	4.45
18.3	26	13729	14257	3.25	6.05
18.4	27	14257	14785	2.34	10.32
18.5	28	14785	15313	3.35	4.90
18.6	29	15313	15841	4.47	5.12
18.7	30	15841	16369	3.24	6.03
18.8	31	16369	16897	6.38	4.59
18.9	32	16897	17425	28.78	6.45
19	33	17425	17953	10.47	8.26
19.1	34	17953	18481	3.29	6.10
19.2	35	18481	19009	3.14	4.30
19.3	36	19009	19537	3.85	5.21
19.4	37	19537	20065	4.44	5.61
19.5	38	20065	20593	3.73	6.41
19.6	39	20593	21121	2.99	3.19
19.7	40	21121	21649	3.00	4.81
19.8	41	21649	22177	2.43	3.71
19.9	42	22177	22705	5.30	5.77
20	43	22705	23233	2.86	7.23
20.1	44	23233	23761	4.25	3.69
20.2	45	23761	24289	3.46	7.07
20.3	46	24289	24817	5.77	5.66
20.4	47	24817	25345	2.94	6.52
20.5	48	25345	25873	2.06	5.76
20.6	49	25873	26401	4.33	7.06
20.7	50	26401	26929	2.79	5.06
20.8	51	26929	27457	4.79	5.65
20.9	52	27457	27985	3.31	6.52
21	53	27985	28513	3.31	6.41
21.1	54	28513	29041	3.25	6.36
21.2	55	29041	29569	3.67	4.31
21.3	56	29569	30097	4.00	4.81

21.4	57	30097	30625	5.88	4.28
21.5	58	30625	31153	3.01	6.50
21.6	59	31153	31681	2.93	6.41
21.7	60	31681	32209	2.97	5.35
21.8	61	32209	32737	3.04	5.78
21.9	62	32737	33265	2.21	3.81
22	63	33265	33793	3.97	3.92
22.1	64	33793	34321	2.46	5.81
22.2	65	34321	34849	3.25	3.06
22.3	66	34849	35377	10.70	4.94
22.4	67	35377	35905	4.45	4.96
22.5	68	35905	36433	6.85	3.46
22.6	69	36433	36961	5.43	3.55
22.7	70	36961	37489	3.62	6.43
22.8	71	37489	38017	3.42	7.46
22.9	72	38017	38545	3.91	5.77
23	73	38545	39073	6.36	5.39
23.1	74	39073	39601	9.08	6.19
23.2	75	39601	40129	4.78	5.46
23.3	76	40129	40657	6.88	3.67
23.4	77	40657	41185	6.95	5.51
23.5	78	41185	41713	3.26	4.79
23.6	79	41713	42241	4.01	5.84
23.7	80	42241	42769	3.62	3.47
23.8	81	42769	43297	3.10	3.61
23.9	82	43297	43825	3.86	5.30
24	83	43825	44353	4.89	5.96
24.1	84	44353	44881	4.18	4.31
24.2	85	44881	45409	14.91	4.78
24.3	86	45409	45937	3.66	4.88
24.4	87	45937	46465	3.45	4.17
24.5	88	46465	46993	3.10	5.70
24.6	89	46993	47521	5.13	5.37
24.7	90	47521	48049	4.54	10.26
24.8	91	48049	48577	3.97	9.69
24.9	92	48577	49105	4.83	6.24
25	93	49105	49633	3.90	8.89
25.1	94	49633	50161	2.90	6.39
25.2	95	50161	50689	3.08	5.40
25.3	96	50689	51217	4.47	5.91
25.4	97	51217	51745	4.37	7.38
25.5	98	51745	52273	4.67	2.70
25.6	99	52273	52801	2.59	5.65

25.7	100	52801	53329	3.97	5.77
25.8	101	53329	53857	4.57	6.11
25.9	102	53857	54385	3.71	5.77
26	103	54385	54913	3.90	5.79
26.1	104	54913	55441	4.26	6.44
26.2	105	55441	55969	3.95	6.94
26.3	106	55969	56497	3.32	7.19
26.4	107	56497	57025	4.96	4.92
26.5	108	57025	57553	4.93	5.62
26.6	109	57553	58081	4.72	14.88
26.7	110	58081	58609	6.04	8.21
26.8	111	58609	59137	5.09	5.45
26.9	112	59137	59665	5.78	5.13
27	113	59665	60193	4.08	5.12
27.1	114	60193	60721	5.71	4.79
27.2	115	60721	61249	9.46	5.17
27.3	116	61249	61777	6.04	8.66
27.4	117	61777	62305	4.74	8.69
27.5	118	62305	62833	6.77	5.12
27.6	119	62833	63361	4.37	7.23
27.7	120	63361	63889	3.36	13.31
27.8	121	63889	64417	5.60	2.12
27.9	122	64417	64945	4.74	3.68
28	123	64945	65473	3.22	4.33
28.1	124	65473	66001	7.50	3.85
28.2	125	66001	66529	6.15	7.41
28.3	126	66529	67057	4.77	9.48
28.4	127	67057	67585	4.75	10.29
28.5	128	67585	68113	4.31	10.62
28.6	129	68113	68641	5.48	8.43
28.7	130	68641	69169	5.69	6.59
28.8	131	69169	69697	7.80	8.81
28.9	132	69697	70225	4.99	5.09
29	133	70225	70753	5.66	11.14
29.1	134	70753	71281	4.85	6.71
29.2	135	71281	71809	5.50	5.60
29.3	136	71809	72337	4.52	8.81
29.4	137	72337	72865	5.04	7.45
29.5	138	72865	73393	4.94	7.43
29.6	139	73393	73921	5.07	8.31
29.7	140	73921	74449	5.33	8.53
29.8	141	74449	74977	3.25	13.67
29.9	142	74977	75505	4.00	8.67

30	143	75505	76033	4.39	10.42
30.1	144	76033	76561	3.66	8.00
30.2	145	76561	77089	5.60	4.90
30.3	146	77089	77617	5.05	5.67
30.4	147	77617	78145	3.31	5.99
30.5	148	78145	78673	5.62	4.99
30.6	149	78673	79201	5.31	5.84
30.7	150	79201	79729	5.18	9.30
30.8	151	79729	80257	5.45	3.85
30.9	152	80257	80785	8.25	5.45
31	153	80785	81313	5.79	8.48
31.1	154	81313	81841	4.14	4.24
31.2	155	81841	82369	3.88	3.60
31.3	156	82369	82897	3.95	3.50
31.4	157	82897	83425	3.62	7.83
31.5	158	83425	83953	5.19	3.92
31.6	159	83953	84481	4.20	3.85
31.7	160	84481	85009	4.24	2.86
31.8	161	85009	85537	2.84	6.66
31.9	162	85537	86065	3.01	4.01
32	163	86065	86593	4.07	4.26
32.1	164	86593	87121	2.63	4.43
32.2	165	87121	87649	5.86	4.04
32.3	166	87649	88177	4.46	4.79
32.4	167	88177	88705	3.78	2.54
32.5	168	88705	89233	3.78	3.76
32.6	169	89233	89761	4.39	3.81
32.7	170	89761	90289	3.31	4.14
32.8	171	90289	90817	4.48	4.12
32.9	172	90817	91345	3.48	4.41
33	173	91345	91873	3.53	5.03
33.1	174	91873	92401	17.25	6.16
33.2	175	92401	92929	3.20	2.98
33.3	176	92929	93457	3.93	4.46
33.4	177	93457	93985	3.95	4.03
33.5	178	93985	94513	2.63	5.92
33.6	179	94513	95041	5.01	9.52
33.7	180	95041	95569	3.88	4.88
33.8	181	95569	96097	4.21	5.86
33.9	182	96097	96625	4.85	6.74
34	183	96625	97153	3.28	5.45
34.1	184	97153	97681	2.96	3.85
34.2	185	97681	98209	4.41	6.21

34.3	186	98209	98737	8.42	4.70
34.4	187	98737	99265	2.64	4.81
34.5	188	99265	99793	3.63	6.66
34.6	189	99793	100321	3.96	5.86
34.7	190	100321	100849	3.78	5.76
34.8	191	100849	101377	3.55	5.06
34.9	192	101377	101905	4.44	6.72
35	193	101905	102433	3.65	5.97
35.1	194	102433	102961	4.27	5.51
35.2	195	102961	103489	4.99	6.85
35.3	196	103489	104017	3.92	4.23
35.4	197	104017	104545	4.01	4.50
35.5	198	104545	105073	4.77	3.35
35.6	199	105073	105601	3.43	6.08
35.7	200	105601	106129	3.49	4.81
35.8	201	106129	106657	3.51	4.57
35.9	202	106657	107185	3.30	6.42
36	203	107185	107713	3.21	4.92
36.1	204	107713	108241	3.63	5.77
36.2	205	108241	108769	3.09	13.14
36.3	206	108769	109297	3.79	7.01
36.4	207	109297	109825	4.03	5.22
36.5	208	109825	110353	3.78	5.70
36.6	209	110353	110881	4.34	2.94
36.7	210	110881	111409	3.79	6.50
36.8	211	111409	111937	3.62	4.40
36.9	212	111937	112465	4.68	4.99
37	213	112465	112993	4.58	7.39
37.1	214	112993	113521	3.87	4.09
37.2	215	113521	114049	5.68	6.16
37.3	216	114049	114577	4.10	7.08
37.4	217	114577	115105	5.80	5.25
37.5	218	115105	115633	3.08	4.70
37.6	219	115633	116161	4.85	6.90
37.7	220	116161	116689	4.03	5.71
37.8	221	116689	117217	3.38	6.73
37.9	222	117217	117745	3.81	5.84
38	223	117745	118273	3.91	5.24
38.1	224	118273	118801	5.32	4.28
38.2	225	118801	119329	2.97	5.01
38.3	226	119329	119857	3.84	5.48
38.4	227	119857	120385	3.34	5.68
38.5	228	120385	120913	3.68	6.09

38.6	229	120913	121441	3.95	4.27
38.7	230	121441	121969	3.64	7.25
38.8	231	121969	122497	2.20	3.49
38.9	232	122497	123025	6.31	10.20
39	233	123025	123553	3.50	4.82
39.1	234	123553	124081	3.11	8.55
39.2	235	124081	124609	3.46	4.92
39.3	236	124609	125137	3.52	4.60
39.4	237	125137	125665	4.87	5.26
39.5	238	125665	126193	3.91	5.05
39.6	239	126193	126721	2.46	6.55
39.7	240	126721	127249	4.26	8.33
39.8	241	127249	127777	27.87	4.19
39.9	242	127777	128305	3.01	4.53
40	243	128305	128833	4.13	6.74
40.1	244	128833	129361	2.91	6.40
40.2	245	129361	129889	4.00	3.83
40.3	246	129889	130417	3.63	4.46
40.4	247	130417	130945	3.73	5.53
40.5	248	130945	131473	3.09	4.05
40.6	249	131473	132001	7.31	5.91
40.7	250	132001	132529	2.77	12.13
40.8	251	132529	133057	3.18	7.97
40.9	252	133057	133585	3.51	14.57
41	253	133585	134113	3.25	2.75
41.1	254	134113	134641	2.21	12.41
41.2	255	134641	135169	2.88	5.94
41.3	256	135169	135697	2.93	3.85
41.4	257	135697	136225	4.80	2.89
41.5	258	136225	136753	2.48	9.31
41.6	259	136753	137281	2.44	7.89
41.7	260	137281	137809	2.49	5.15
41.8	261	137809	138337	4.01	6.70
41.9	262	138337	138865	4.25	5.31
42	263	138865	139393	4.00	4.81
42.1	264	139393	139921	7.09	2.51
42.2	265	139921	140449	7.84	4.63
42.3	266	140449	140977	6.11	4.14
42.4	267	140977	141505	5.27	8.31
42.5	268	141505	142033	5.12	7.70
42.6	269	142033	142561	15.01	13.47
42.7	270	142561	143089	4.08	13.65
42.8	271	143089	143617	2.98	7.41

42.9	272	143617	144145	6.62	6.51
43	273	144145	144673	4.85	6.03
43.1	274	144673	145201	3.67	6.37
43.2	275	145201	145729	5.07	5.77
43.3	276	145729	146257	26.08	20.71
43.4	277	146257	146785	4.72	7.25
43.5	278	146785	147313	3.88	6.71
43.6	279	147313	147841	5.12	5.47
43.7	280	147841	148369	4.42	7.24
43.8	281	148369	148897	4.65	7.64
43.9	282	148897	149425	4.18	6.03
44	283	149425	149953	5.61	13.55
44.1	284	149953	150481	6.95	7.70
44.2	285	150481	151009	3.33	5.39
44.3	286	151009	151537	1.81	6.44
44.4	287	151537	152065	4.31	6.56
44.5	288	152065	152593	3.79	3.65
44.6	289	152593	153121	3.77	6.18
44.7	290	153121	153649	4.81	7.74
44.8	291	153649	154177	5.12	5.81
44.9	292	154177	154705	2.62	4.01
45	293	154705	155233	4.13	4.49
45.1	294	155233	155761	5.52	6.74
45.2	295	155761	156289	5.66	8.90
45.3	296	156289	156817	5.14	6.18
45.4	297	156817	157345	4.56	6.78
45.5	298	157345	157873	2.52	4.36
45.6	299	157873	158401	4.40	8.68
45.7	300	158401	158929	2.82	9.48
45.8	301	158929	159457	6.21	8.33
45.9	302	159457	159985	4.25	12.44
46	303	159985	160513	3.90	7.27
46.1	304	160513	161041	2.05	7.15
46.2	305	161041	161569	2.32	5.79
46.3	306	161569	162097	2.80	10.79
46.4	307	162097	162625	2.82	6.16
46.5	308	162625	163153	3.38	7.39
46.6	309	163153	163681	5.58	10.33
46.7	310	163681	164209	4.57	9.65
46.8	311	164209	164737	5.41	8.75
46.9	312	164737	165265	3.03	10.10
47	313	165265	165793	3.42	8.91
47.1	314	165793	166321	3.88	7.50

47.2	315	166321	166849	3.24	10.67
47.3	316	166849	167377	4.48	9.40
47.4	317	167377	167905	3.33	6.47
47.5	318	167905	168433	4.88	6.09
47.6	319	168433	168961	3.11	9.20
47.7	320	168961	169489	2.91	9.84
47.8	321	169489	170017	4.10	7.51
47.9	322	170017	170545	4.13	12.08
48	323	170545	171073	4.64	8.36
48.1	324	171073	171601	3.35	8.40
48.2	325	171601	172129	4.84	7.43
48.3	326	172129	172657	3.63	11.30
48.4	327	172657	173185	3.70	7.65
48.5	328	173185	173713	2.87	7.45
48.6	329	173713	174241	4.87	6.98
48.7	330	174241	174769	3.93	7.38
48.8	331	174769	175297	4.19	8.41
48.9	332	175297	175825	2.77	7.51
49	333	175825	176353	4.82	6.54
49.1	334	176353	176881	3.74	6.09
49.2	335	176881	177409	3.27	9.59
49.3	336	177409	177937	3.28	7.96
49.4	337	177937	178465	3.44	11.87
49.5	338	178465	178993	4.04	8.91
49.6	339	178993	179521	4.83	7.47
49.7	340	179521	180049	3.66	7.34
49.8	341	180049	180577	4.02	13.72
49.9	342	180577	181105	4.61	6.92
50	343	181105	181633	4.16	28.81
50.1	344	181633	182161	6.54	11.41
50.2	345	182161	182689	4.61	8.05
50.3	346	182689	183217	6.50	11.74
50.4	347	183217	183745	7.83	10.53
50.5	348	183745	184273	4.58	8.07
50.6	349	184273	184801	4.10	6.90
50.7	350	184801	185329	3.92	9.14
50.8	351	185329	185857	3.67	9.15
50.9	352	185857	186385	4.52	8.37
51	353	186385	186913	4.43	6.39
51.1	354	186913	187441	3.88	5.01
51.2	355	187441	187969	4.27	6.13
51.3	356	187969	188497	3.66	6.90
51.4	357	188497	189025	4.85	4.30

51.5	358	189025	189553	3.31	3.05
51.6	359	189553	190081	3.75	5.19
51.7	360	190081	190609	4.55	5.96
51.8	361	190609	191137	3.57	5.20
51.9	362	191137	191665	12.68	5.63
52	363	191665	192193	7.47	6.88
52.1	364	192193	192721	4.47	6.50
52.2	365	192721	193249	4.20	4.84
52.3	366	193249	193777	4.51	8.08
52.4	367	193777	194305	3.90	4.74
52.5	368	194305	194833	4.08	6.40
52.6	369	194833	195361	4.93	5.85
52.7	370	195361	195889	6.82	8.85
52.8	371	195889	196417	4.46	5.77
52.9	372	196417	196945	3.76	8.06
53	373	196945	197473	6.25	10.29
53.1	374	197473	198001	4.97	6.44
53.2	375	198001	198529	5.85	5.67
53.3	376	198529	199057	2.68	5.13
53.4	377	199057	199585	4.64	5.70
53.5	378	199585	200113	3.41	4.44
53.6	379	200113	200641	2.33	7.60
53.7	380	200641	201169	4.69	5.75
53.8	381	201169	201697	4.70	7.99
53.9	382	201697	202225	4.00	3.97
54	383	202225	202753	2.80	5.49
54.1	384	202753	203281	6.17	5.96
54.2	385	203281	203809	2.92	5.33
54.3	386	203809	204337	2.86	8.39
54.4	387	204337	204865	3.58	6.41
54.5	388	204865	205393	3.18	15.90
54.6	389	205393	205921	2.96	6.22
54.7	390	205921	206449	11.04	5.35
54.8	391	206449	206977	2.46	5.64
54.9	392	206977	207505	2.87	16.46
55	393	207505	208033	3.48	9.45
55.1	394	208033	208561	7.25	2.93
55.2	395	208561	209089	2.51	12.72
55.3	396	209089	209617	2.41	5.17
55.4	397	209617	210145	3.72	5.94
55.5	398	210145	210673	5.82	5.85
55.6	399	210673	211201	3.11	5.64
55.7	400	211201	211729	5.45	5.93

55.8	401	211729	212257	4.41	8.20
55.9	402	212257	212785	18.06	3.01
56	403	212785	213313	2.59	9.44
56.1	404	213313	213841	3.82	10.45
56.2	405	213841	214369	3.16	12.22
56.3	406	214369	214897	3.26	4.40
56.4	407	214897	215425	5.63	4.46
56.5	408	215425	215953	3.86	5.01
56.6	409	215953	216481	4.71	5.81
56.7	410	216481	217009	6.11	5.23
56.8	411	217009	217537	6.00	6.70
56.9	412	217537	218065	1.94	3.87
57	413	218065	218593	2.71	5.93
57.1	414	218593	219121	9.81	5.06
57.2	415	219121	219649	4.33	5.25
57.3	416	219649	220177	5.23	6.39
57.4	417	220177	220705	7.03	5.46
57.5	418	220705	221233	1.76	10.77
57.6	419	221233	221761	2.53	8.71
57.7	420	221761	222289	3.54	6.96
57.8	421	222289	222817	8.02	2.17
57.9	422	222817	223345	4.71	5.23
58	423	223345	223873	5.33	3.30
58.1	424	223873	224401	2.64	6.55
58.2	425	224401	224929	4.89	5.16
58.3	426	224929	225457	5.54	4.13
58.4	427	225457	225985	2.64	9.55
58.5	428	225985	226513	7.70	3.02
58.6	429	226513	227041	4.56	6.61
58.7	430	227041	227569	6.98	3.62
58.8	431	227569	228097	8.34	4.81
58.9	432	228097	228625	2.90	7.30
59	433	228625	229153	5.40	6.79
59.1	434	229153	229681	3.85	9.03
59.2	435	229681	230209	7.39	4.48
59.3	436	230209	230737	3.81	6.52
59.4	437	230737	231265	2.79	7.23
59.5	438	231265	231793	3.73	5.04
59.6	439	231793	232321	5.52	6.74
59.7	440	232321	232849	6.45	7.04
59.8	441	232849	233377	4.54	5.92
59.9	442	233377	233905	9.50	19.98
60	443	233905	234433	2.87	5.90

60.1	444	234433	234961	4.80	7.76
60.2	445	234961	235489	2.57	7.44
60.3	446	235489	236017	3.24	6.56
60.4	447	236017	236545	2.90	4.84
60.5	448	236545	237073	2.98	3.88
60.6	449	237073	237601	6.61	7.13
60.7	450	237601	238129	2.80	5.29
60.8	451	238129	238657	4.33	4.52
60.9	452	238657	239185	3.89	5.00
61	453	239185	239713	6.29	5.93
61.1	454	239713	240241	1.99	4.80
61.2	455	240241	240769	4.37	9.79
61.3	456	240769	241297	5.96	6.07
61.4	457	241297	241825	4.30	4.33
61.5	458	241825	242353	2.04	4.24
61.6	459	242353	242881	2.65	4.85
61.7	460	242881	243409	2.83	5.18
61.8	461	243409	243937	3.74	5.66
61.9	462	243937	244465	2.56	5.77
62	463	244465	244993	2.19	7.21
62.1	464	244993	245521	2.49	4.60
62.2	465	245521	246049	2.58	4.52
62.3	466	246049	246577	2.32	5.09
62.4	467	246577	247105	1.64	5.73
62.5	468	247105	247633	2.19	5.74
62.6	469	247633	248161	6.07	6.95
62.7	470	248161	248689	2.24	4.80
62.8	471	248689	249217	3.27	4.54
62.9	472	249217	249745	3.76	5.75
63	473	249745	250273	3.48	4.86
63.1	474	250273	250801	3.13	4.65
63.2	475	250801	251329	2.20	8.83
63.3	476	251329	251857	2.43	6.33
63.4	477	251857	252385	3.44	8.00
63.5	478	252385	252913	4.28	6.63
63.6	479	252913	253441	7.11	5.43
63.7	480	253441	253969	2.91	9.19
63.8	481	253969	254497	4.35	8.13
63.9	482	254497	255025	5.59	6.96
64	483	255025	255553	4.87	4.98
64.1	484	255553	256081	3.90	9.35
64.2	485	256081	256609	3.24	5.62
64.3	486	256609	257137	2.63	3.90

64.4	487	257137	257665	1.72	5.52
64.5	488	257665	258193	2.34	3.98
64.6	489	258193	258721	2.40	6.24
64.7	490	258721	259249	2.20	4.90
64.8	491	259249	259777	5.55	5.79
64.9	492	259777	260305	8.51	4.41
65	493	260305	260833	10.13	4.76
65.1	494	260833	261361	7.24	5.50
65.2	495	261361	261889	9.68	6.31
65.3	496	261889	262417	5.85	4.17
65.4	497	262417	262945	6.02	3.82
65.5	498	262945	263473	9.08	4.46
65.6	499	263473	264001	9.99	4.48
65.7	500	264001	264529	8.46	3.65
65.8	501	264529	265057	2.51	5.60
65.9	502	265057	265585	2.49	4.75
66	503	265585	266113	5.96	4.80
66.1	504	266113	266641	4.06	8.65
66.2	505	266641	267169	2.62	6.48
66.3	506	267169	267697	5.97	6.14
66.4	507	267697	268225	4.43	8.35
66.5	508	268225	268753	5.16	8.21
66.6	509	268753	269281	4.92	3.85
66.7	510	269281	269809	9.64	3.16
66.8	511	269809	270337	3.78	3.77
66.9	512	270337	270865	3.16	3.90
67	513	270865	271393	3.10	5.62
67.1	514	271393	271921	3.04	4.71
67.2	515	271921	272449	3.05	6.82
67.3	516	272449	272977	3.51	6.79
67.4	517	272977	273505	4.70	9.61
67.5	518	273505	274033	4.07	15.70
67.6	519	274033	274561	3.31	11.22
67.7	520	274561	275089	3.82	3.71
67.8	521	275089	275617	4.90	5.03
67.9	522	275617	276145	3.40	6.28
68	523	276145	276673	3.98	5.10
68.1	524	276673	277201	14.80	7.62
68.2	525	277201	277729	15.29	7.34
68.3	526	277729	278257	7.22	6.95
68.4	527	278257	278785	3.16	7.80
68.5	528	278785	279313	10.28	4.92
68.6	529	279313	279841	2.84	5.84

68.7	530	279841	280369	3.81	9.46
68.8	531	280369	280897	3.86	12.13
68.9	532	280897	281425	6.02	7.24
69	533	281425	281953	11.40	9.28
69.1	534	281953	282481	12.17	8.94
69.2	535	282481	283009	4.59	5.42
69.3	536	283009	283537	4.11	7.07
69.4	537	283537	284065	6.44	6.19
69.5	538	284065	284593	5.82	4.98
69.6	539	284593	285121	3.84	4.77
69.7	540	285121	285649	4.24	4.81
69.8	541	285649	286177	4.99	7.82
69.9	542	286177	286705	2.76	7.49
70	543	286705	287233	3.35	5.10
70.1	544	287233	287761	3.38	6.57
70.2	545	287761	288289	5.06	4.67
70.3	546	288289	288817	2.55	5.07
70.4	547	288817	289345	2.81	6.72
70.5	548	289345	289873	3.82	6.70
70.6	549	289873	290401	3.88	4.73
70.7	550	290401	290929	3.73	4.46
70.8	551	290929	291457	3.30	5.06
70.9	552	291457	291985	2.41	3.95
71	553	291985	292513	3.48	7.64
71.1	554	292513	293041	5.61	8.65
71.2	555	293041	293569	4.31	12.16
71.3	556	293569	294097	6.00	12.85
71.4	557	294097	294625	4.85	8.44
71.5	558	294625	295153	4.68	6.15
71.6	559	295153	295681	4.39	3.57
71.7	560	295681	296209	2.95	3.48
71.8	561	296209	296737	2.93	2.55
71.9	562	296737	297265	4.51	1.92
72	563	297265	297793	1.57	3.12
72.1	564	297793	298321	2.93	2.57
72.2	565	298321	298849	3.52	10.10
72.3	566	298849	299377	2.65	12.66
72.4	567	299377	299905	2.80	8.10
72.5	568	299905	300433	3.10	6.33
72.6	569	300433	300961	3.46	9.47
72.7	570	300961	301489	4.21	5.05
72.8	571	301489	302017	3.33	8.31
72.9	572	302017	302545	3.03	4.57

73	573	302545	303073	3.22	4.69
73.1	574	303073	303601	3.47	7.18
73.2	575	303601	304129	3.51	8.32
73.3	576	304129	304657	3.02	8.29
73.4	577	304657	305185	4.01	9.51
73.5	578	305185	305713	4.48	5.82
73.6	579	305713	306241	4.00	5.36
73.7	580	306241	306769	3.58	6.55
73.8	581	306769	307297	2.69	9.16
73.9	582	307297	307825	4.48	4.81
74	583	307825	308353	4.87	5.97
74.1	584	308353	308881	3.50	4.84
74.2	585	308881	309409	3.46	7.38
74.3	586	309409	309937	4.58	5.90
74.4	587	309937	310465	5.23	3.83
74.5	588	310465	310993	3.53	8.52
74.6	589	310993	311521	6.45	6.55
74.7	590	311521	312049	3.42	12.01
74.8	591	312049	312577	5.54	6.74
74.9	592	312577	313105	4.01	8.05
75	593	313105	313633	3.42	4.73
75.1	594	313633	314161	3.66	5.28
75.2	595	314161	314689	5.13	8.92
75.3	596	314689	315217	3.05	8.57
75.4	597	315217	315745	3.15	3.87
75.5	598	315745	316273	3.59	4.56
75.6	599	316273	316801	3.39	4.07
75.7	600	316801	317329	2.73	5.71
75.8	601	317329	317857	4.31	4.76
75.9	602	317857	318385	3.29	5.51
76	603	318385	318913	3.82	5.13
76.1	604	318913	319441	3.89	4.72
76.2	605	319441	319969	5.27	5.61
76.3	606	319969	320497	5.29	4.91
76.4	607	320497	321025	4.37	5.86
76.5	608	321025	321553	3.46	4.38
76.6	609	321553	322081	3.35	6.81
76.7	610	322081	322609	3.13	3.81
76.8	611	322609	323137	3.39	4.81
76.9	612	323137	323665	3.68	7.09
77	613	323665	324193	4.05	6.86
77.1	614	324193	324721	3.05	5.45
77.2	615	324721	325249	4.91	4.26

77.3	616	325249	325777	1.99	8.17
77.4	617	325777	326305	4.33	6.07
77.5	618	326305	326833	3.74	5.13
77.6	619	326833	327361	3.77	9.14
77.7	620	327361	327889	3.58	5.77
77.8	621	327889	328417	3.94	5.49
77.9	622	328417	328945	4.35	7.11
78	623	328945	329473	3.55	7.24
78.1	624	329473	330001	6.15	9.15
78.2	625	330001	330529	6.11	4.84
78.3	626	330529	331057	3.91	5.12
78.4	627	331057	331585	4.76	5.62
78.5	628	331585	332113	5.08	4.88
78.6	629	332113	332641	2.94	5.28
78.7	630	332641	333169	3.30	5.48
78.8	631	333169	333697	3.28	6.05
78.9	632	333697	334225	4.00	6.30
79	633	334225	334753	4.59	5.03
79.1	634	334753	335281	4.29	4.90
79.2	635	335281	335809	4.20	6.88
79.3	636	335809	336337	3.46	5.90
79.4	637	336337	336865	3.17	4.37
79.5	638	336865	337393	3.44	8.50
79.6	639	337393	337921	3.52	4.85
79.7	640	337921	338449	3.46	4.39
79.8	641	338449	338977	4.09	6.31
79.9	642	338977	339505	3.13	9.38
80	643	339505	340033	2.73	10.16
80.1	644	340033	340561	2.78	10.07
80.2	645	340561	341089	3.80	6.05
80.3	646	341089	341617	3.61	4.46
80.4	647	341617	342145	4.35	5.99
80.5	648	342145	342673	4.14	7.96
80.6	649	342673	343201	2.40	10.24
80.7	650	343201	343729	2.98	6.64
80.8	651	343729	344257	3.29	3.77
80.9	652	344257	344785	4.52	6.73
81	653	344785	345313	3.99	7.50
81.1	654	345313	345841	4.18	5.83
81.2	655	345841	346369	3.95	5.87
81.3	656	346369	346897	3.84	7.62
81.4	657	346897	347425	4.18	7.68
81.5	658	347425	347953	4.31	5.56

81.6	659	347953	348481	4.38	5.88
81.7	660	348481	349009	3.93	5.88
81.8	661	349009	349537	3.85	5.82
81.9	662	349537	350065	4.02	6.37
82	663	350065	350593	4.01	5.32
82.1	664	350593	351121	3.99	5.48
82.2	665	351121	351649	4.30	4.90
82.3	666	351649	352177	3.15	3.47
82.4	667	352177	352705	5.77	10.16
82.5	668	352705	353233	10.60	2.93
82.6	669	353233	353761	4.19	7.63
82.7	670	353761	354289	3.16	4.81
82.8	671	354289	354817	2.32	4.02
82.9	672	354817	355345	3.52	2.93
83	673	355345	355873	3.64	4.47
83.1	674	355873	356401	4.04	4.17
83.2	675	356401	356929	3.09	5.63
83.3	676	356929	357457	5.71	3.85
83.4	677	357457	357985	5.14	6.49
83.5	678	357985	358513	4.99	7.45
83.6	679	358513	359041	2.60	4.72
83.7	680	359041	359569	3.87	5.11
83.8	681	359569	360097	2.92	3.67
83.9	682	360097	360625	3.41	10.54
84	683	360625	361153	3.11	5.15
84.1	684	361153	361681	3.51	4.52
84.2	685	361681	362209	3.59	14.32
84.3	686	362209	362737	4.52	6.34
84.4	687	362737	363265	4.65	9.86
84.5	688	363265	363793	2.15	7.36
84.6	689	363793	364321	2.26	4.75
84.7	690	364321	364849	2.89	4.39
84.8	691	364849	365377	2.83	4.01
84.9	692	365377	365905	2.79	3.50
85	693	365905	366433	3.36	4.41
85.1	694	366433	366961	3.11	4.75
85.2	695	366961	367489	7.59	5.37
85.3	696	367489	368017	3.62	8.29
85.4	697	368017	368545	4.77	11.13
85.5	698	368545	369073	4.13	6.11
85.6	699	369073	369601	4.62	7.44
85.7	700	369601	370129	5.48	7.41
85.8	701	370129	370657	4.29	12.84

85.9	702	370657	371185	4.33	14.04
86	703	371185	371713	5.18	11.69
86.1	704	371713	372241	2.12	4.92
86.2	705	372241	372769	5.33	5.92
86.3	706	372769	373297	4.49	5.96
86.4	707	373297	373825	4.24	7.31
86.5	708	373825	374353	3.70	5.16
86.6	709	374353	374881	3.53	4.29
86.7	710	374881	375409	3.50	5.52
86.8	711	375409	375937	3.01	12.91
86.9	712	375937	376465	4.83	6.57
87	713	376465	376993	7.21	5.89
87.1	714	376993	377521	5.28	13.33
87.2	715	377521	378049	3.03	9.91
87.3	716	378049	378577	3.36	10.11
87.4	717	378577	379105	7.28	5.86
87.5	718	379105	379633	7.59	5.34
87.6	719	379633	380161	3.94	8.58
87.7	720	380161	380689	2.22	7.83
87.8	721	380689	381217	2.85	7.94
87.9	722	381217	381745	5.48	4.83
88	723	381745	382273	2.01	4.41
88.1	724	382273	382801	6.75	5.08
88.2	725	382801	383329	3.13	4.09
88.3	726	383329	383857	1.36	5.30
88.4	727	383857	384385	2.03	10.63
88.5	728	384385	384913	3.46	7.08
88.6	729	384913	385441	4.48	11.07
88.7	730	385441	385969	4.16	4.52
88.8	731	385969	386497	2.45	5.45
88.9	732	386497	387025	3.09	5.75
89	733	387025	387553	1.37	6.47
89.1	734	387553	388081	2.99	7.80
89.2	735	388081	388609	3.90	8.46
89.3	736	388609	389137	2.22	6.01
89.4	737	389137	389665	3.12	6.40
89.5	738	389665	390193	2.07	6.09
89.6	739	390193	390721	2.29	5.13
89.7	740	390721	391249	5.13	4.11
89.8	741	391249	391777	2.58	8.07
89.9	742	391777	392305	2.55	6.07
90	743	392305	392833	2.60	6.31
90.1	744	392833	393361	3.36	5.72

90.2	745	393361	393889	3.45	7.74
90.3	746	393889	394417	7.26	6.66
90.4	747	394417	394945	2.62	6.33
90.5	748	394945	395473	1.80	6.14
90.6	749	395473	396001	2.40	7.81
90.7	750	396001	396529	3.46	7.44
90.8	751	396529	397057	4.78	6.63
90.9	752	397057	397585	2.24	6.10
91	753	397585	398113	2.55	8.13
91.1	754	398113	398641	3.87	6.90
91.2	755	398641	399169	2.60	9.08
91.3	756	399169	399697	3.54	5.80
91.4	757	399697	400225	3.91	8.37
91.5	758	400225	400753	5.05	5.75
91.6	759	400753	401281	3.20	5.79
91.7	760	401281	401809	2.33	6.23
91.8	761	401809	402337	4.73	6.93
91.9	762	402337	402865	7.13	5.35
92	763	402865	403393	4.96	6.31
92.1	764	403393	403921	5.46	3.15
92.2	765	403921	404449	3.71	6.53
92.3	766	404449	404977	4.63	6.22
92.4	767	404977	405505	3.71	3.01
92.5	768	405505	406033	7.94	5.04
92.6	769	406033	406561	7.06	5.15
92.7	770	406561	407089	3.15	6.62
92.8	771	407089	407617	3.89	4.59
92.9	772	407617	408145	3.77	7.42
93	773	408145	408673	2.97	3.67
93.1	774	408673	409201	4.28	8.09
93.2	775	409201	409729	4.58	5.75
93.3	776	409729	410257	4.65	5.57
93.4	777	410257	410785	2.88	5.59
93.5	778	410785	411313	5.35	6.26
93.6	779	411313	411841	8.07	6.50
93.7	780	411841	412369	5.82	10.64
93.8	781	412369	412897	3.27	3.57
93.9	782	412897	413425	2.18	3.96
94	783	413425	413953	4.80	5.73
94.1	784	413953	414481	4.51	9.74
94.2	785	414481	415009	4.41	7.12
94.3	786	415009	415537	3.67	7.00
94.4	787	415537	416065	2.86	7.53

94.5	788	416065	416593	2.85	4.35
94.6	789	416593	417121	2.48	4.35
94.7	790	417121	417649	2.78	5.42
94.8	791	417649	418177	2.20	6.04
94.9	792	418177	418705	2.74	13.26
95	793	418705	419233	4.33	6.22
95.1	794	419233	419761	1.86	4.45
95.2	795	419761	420289	8.58	5.25
95.3	796	420289	420817	0.85	9.00
95.4	797	420817	421345	4.00	6.02
95.5	798	421345	421873	5.42	8.38
95.6	799	421873	422401	2.55	5.61
95.7	800	422401	422929	4.73	11.28
95.8	801	422929	423457	3.88	5.59
95.9	802	423457	423985	3.54	5.29
96	803	423985	424513	5.09	6.62
96.1	804	424513	425041	5.14	6.78
96.2	805	425041	425569	3.99	3.37
96.3	806	425569	426097	5.78	5.38
96.4	807	426097	426625	5.01	12.99
96.5	808	426625	427153	7.61	5.88
96.6	809	427153	427681	7.62	4.17
96.7	810	427681	428209	4.13	5.16
96.8	811	428209	428737	5.12	11.71
96.9	812	428737	429265	8.02	5.95
97	813	429265	429793	2.49	11.42
97.1	814	429793	430321	3.81	11.97
97.2	815	430321	430849	2.68	12.04
97.3	816	430849	431377	3.79	8.15
97.4	817	431377	431905	5.22	6.79
97.5	818	431905	432433	5.20	13.53
97.6	819	432433	432961	9.06	7.56
97.7	820	432961	433489	4.25	9.04
97.8	821	433489	434017	3.82	8.58
97.9	822	434017	434545	4.01	7.50
98	823	434545	435073	4.70	5.39
98.1	824	435073	435601	3.54	5.37
98.2	825	435601	436129	7.13	9.49
98.3	826	436129	436657	2.89	6.39
98.4	827	436657	437185	3.86	5.08
98.5	828	437185	437713	3.84	6.38
98.6	829	437713	438241	2.87	4.17
98.7	830	438241	438769	4.32	5.45

98.8	831	438769	439297	3.17	7.79
98.9	832	439297	439825	4.00	5.12
99	833	439825	440353	3.72	7.27
99.1	834	440353	440881	3.10	4.46
99.2	835	440881	441409	4.47	11.00
99.3	836	441409	441937	9.22	2.89
99.4	837	441937	442465	3.58	7.62
99.5	838	442465	442993	3.61	7.06
99.6	839	442993	443521	4.23	6.79
99.7	840	443521	444049	6.66	10.29
99.8	841	444049	444577	5.89	3.44
99.9	842	444577	445105	5.24	6.40
100	843	445105	445633	6.34	6.99
100.1	844	445633	446161	5.43	4.81
100.2	845	446161	446689	6.52	3.77
100.3	846	446689	447217	5.39	5.50
100.4	847	447217	447745	5.85	10.24
100.5	848	447745	448273	4.47	6.41
100.6	849	448273	448801	4.36	13.79
100.7	850	448801	449329	6.16	4.43
100.8	851	449329	449857	4.14	4.47
100.9	852	449857	450385	4.39	6.35
101	853	450385	450913	4.52	3.60
101.1	854	450913	451441	2.98	11.28
101.2	855	451441	451969	3.76	5.36
101.3	856	451969	452497	3.52	3.81
101.4	857	452497	453025	3.53	6.44
101.5	858	453025	453553	3.78	7.04
101.6	859	453553	454081	5.32	7.04
101.7	860	454081	454609	4.88	5.72
101.8	861	454609	455137	3.87	4.96
101.9	862	455137	455665	3.61	4.19
102	863	455665	456193	4.17	5.06
102.1	864	456193	456721	4.69	3.77
102.2	865	456721	457249	4.45	5.07
102.3	866	457249	457777	3.49	17.32
102.4	867	457777	458305	3.84	7.99
102.5	868	458305	458833	2.95	3.53
102.6	869	458833	459361	3.15	6.21
102.7	870	459361	459889	4.96	4.79
102.8	871	459889	460417	3.64	5.98
102.9	872	460417	460945	5.40	5.16
103	873	460945	461473	6.84	9.04

103.1	874	461473	462001	4.17	7.70
103.2	875	462001	462529	5.14	2.68
103.3	876	462529	463057	3.29	6.58
103.4	877	463057	463585	6.99	3.05
103.5	878	463585	464113	7.08	5.15
103.6	879	464113	464641	8.30	7.78
103.7	880	464641	465169	4.60	5.47
103.8	881	465169	465697	5.17	5.08
103.9	882	465697	466225	5.19	4.03
104	883	466225	466753	6.27	6.51
104.1	884	466753	467281	5.50	4.49
104.2	885	467281	467809	5.16	6.64
104.3	886	467809	468337	16.13	11.13
104.4	887	468337	468865	7.65	13.72
104.5	888	468865	469393	1.49	3.85
104.6	889	469393	469921	4.62	3.90
104.7	890	469921	470449	2.71	6.14
104.8	891	470449	470977	12.39	14.90
104.9	892	470977	471505	4.83	5.26
105	893	471505	472033	20.31	6.03
105.1	894	472033	472561	7.85	7.13
105.2	895	472561	473089	4.61	4.78
105.3	896	473089	473617	4.75	5.97
105.4	897	473617	474145	3.87	5.05
105.5	898	474145	474673	3.44	4.88
105.6	899	474673	475201	5.14	4.98
105.7	900	475201	475729	3.97	4.35
105.8	901	475729	476257	5.16	6.72
105.9	902	476257	476785	4.61	5.99
106	903	476785	477313	5.11	4.53
106.1	904	477313	477841	4.65	5.48
106.2	905	477841	478369	5.63	4.31
106.3	906	478369	478897	3.63	6.14
106.4	907	478897	479425	6.51	3.57
106.5	908	479425	479953	6.28	4.49
106.6	909	479953	480481	6.91	7.06
106.7	910	480481	481009	5.59	10.05
106.8	911	481009	481537	8.11	10.07
106.9	912	481537	482065	6.76	9.47
107	913	482065	482593	3.80	6.00
107.1	914	482593	483121	5.38	4.04
107.2	915	483121	483649	3.24	5.19
107.3	916	483649	484177	5.63	4.49

107.4	917	484177	484705	3.47	8.53
107.5	918	484705	485233	4.16	5.24
107.6	919	485233	485761	4.68	11.91
107.7	920	485761	486289	5.13	5.33
107.8	921	486289	486817	4.52	9.13
107.9	922	486817	487345	6.75	8.06
108	923	487345	487873	3.53	6.87
108.1	924	487873	488401	5.18	4.09
108.2	925	488401	488929	4.64	4.99
108.3	926	488929	489457	3.88	5.34
108.4	927	489457	489985	7.70	4.64
108.5	928	489985	490513	7.95	6.09
108.6	929	490513	491041	5.69	5.46
108.7	930	491041	491569	5.52	3.71
108.8	931	491569	492097	4.85	5.28
108.9	932	492097	492625	5.73	4.77
109	933	492625	493153	4.99	7.34
109.1	934	493153	493681	10.88	4.49
109.2	935	493681	494209	5.96	5.50
109.3	936	494209	494737	5.96	6.01
109.4	937	494737	495265	5.64	4.71
109.5	938	495265	495793	11.88	24.21
109.6	939	495793	496321	5.79	2.75
109.7	940	496321	496849	5.15	2.83
109.8	941	496849	497377	6.29	6.56
109.9	942	497377	497905	4.47	11.18
110	0	1	529	4.29	8.21
110.1	1	529	1057	6.89	8.09
110.2	2	1057	1585	3.42	7.86
110.3	3	1585	2113	4.73	4.65
110.4	4	2113	2641	3.51	7.48
110.5	5	2641	3169	5.91	7.64
110.6	6	3169	3697	4.00	9.38
110.7	7	3697	4225	3.52	6.75
110.8	8	4225	4753	3.97	8.84
110.9	9	4753	5281	3.63	8.35
111	10	5281	5809	5.57	6.97
111.1	11	5809	6337	5.15	5.45
111.2	12	6337	6865	8.11	5.66
111.3	13	6865	7393	4.96	4.55
111.4	14	7393	7921	6.55	5.28
111.5	15	7921	8449	5.75	5.84
111.6	16	8449	8977	3.77	7.03

111.7	17	8977	9505	6.11	8.28
111.8	18	9505	10033	3.42	4.21
111.9	19	10033	10561	9.08	9.08
112	20	10561	11089	5.52	6.95
112.1	21	11089	11617	6.16	9.30
112.2	22	11617	12145	5.63	4.26
112.3	23	12145	12673	7.23	7.74
112.4	24	12673	13201	5.51	5.03
112.5	25	13201	13729	7.65	5.72
112.6	26	13729	14257	6.27	9.61
112.7	27	14257	14785	6.82	8.49
112.8	28	14785	15313	5.93	8.92
112.9	29	15313	15841	5.33	7.68
113	30	15841	16369	5.46	10.75
113.1	31	16369	16897	4.35	9.60
113.2	32	16897	17425	5.79	5.95
113.3	33	17425	17953	6.89	9.72
113.4	34	17953	18481	6.69	6.49
113.5	35	18481	19009	5.22	7.15
113.6	36	19009	19537	5.79	6.86
113.7	37	19537	20065	6.06	7.49
113.8	38	20065	20593	6.48	4.69
113.9	39	20593	21121	5.17	8.23
114	40	21121	21649	5.94	7.09
114.1	41	21649	22177	7.00	9.44
114.2	42	22177	22705	6.56	11.02
114.3	43	22705	23233	8.28	10.33
114.4	44	23233	23761	5.79	8.02
114.5	45	23761	24289	2.76	7.48
114.6	46	24289	24817	6.10	7.27
114.7	47	24817	25345	4.53	8.92
114.8	48	25345	25873	4.53	10.95
114.9	49	25873	26401	6.25	9.47
115	50	26401	26929	4.64	7.70
115.1	51	26929	27457	3.77	7.76
115.2	52	27457	27985	3.53	6.95
115.3	53	27985	28513	7.55	8.66
115.4	54	28513	29041	6.30	6.74
115.5	55	29041	29569	4.97	9.67
115.6	56	29569	30097	4.91	8.19
115.7	57	30097	30625	5.00	5.88
115.8	58	30625	31153	4.39	8.37
115.9	59	31153	31681	5.20	6.09

116	60	31681	32209	3.63	11.65
116.1	61	32209	32737	5.48	8.85
116.2	62	32737	33265	6.27	6.48
116.3	63	33265	33793	2.64	8.59
116.4	64	33793	34321	5.68	7.20
116.5	65	34321	34849	8.29	5.53
116.6	66	34849	35377	5.67	9.00
116.7	67	35377	35905	5.63	6.76
116.8	68	35905	36433	6.25	8.28
116.9	69	36433	36961	8.15	6.47
117	70	36961	37489	4.77	10.67
117.1	71	37489	38017	2.63	8.98
117.2	72	38017	38545	5.09	7.82
117.3	73	38545	39073	6.86	4.53
117.4	74	39073	39601	5.53	3.68
117.5	75	39601	40129	5.00	1.77
117.6	76	40129	40657	6.09	8.55
117.7	77	40657	41185	3.79	2.59
117.8	78	41185	41713	11.07	13.91
117.9	79	41713	42241	17.72	11.36
118	80	42241	42769	5.30	7.06
118.1	81	42769	43297	3.75	8.58
118.2	82	43297	43825	4.61	7.83
118.3	83	43825	44353	5.46	5.02
118.4	84	44353	44881	2.17	6.12
118.5	85	44881	45409	3.74	5.58
118.6	86	45409	45937	5.10	5.87
118.7	87	45937	46465	6.99	8.70
118.8	88	46465	46993	5.34	7.64
118.9	89	46993	47521	3.76	10.43
119	90	47521	48049	7.01	10.90
119.1	91	48049	48577	4.18	7.68
119.2	92	48577	49105	6.28	6.04
119.3	93	49105	49633	3.58	8.24
119.4	94	49633	50161	3.92	5.08
119.5	95	50161	50689	4.93	6.28
119.6	96	50689	51217	1.93	7.35
119.7	97	51217	51745	2.41	9.09
119.8	98	51745	52273	3.02	10.33
119.9	99	52273	52801	4.90	4.92
120	100	52801	53329	4.20	5.28
120.1	101	53329	53857	3.35	6.01
120.2	102	53857	54385	5.31	6.57

120.3	103	54385	54913	4.38	3.10
120.4	104	54913	55441	3.78	7.04
120.5	105	55441	55969	3.31	8.70
120.6	106	55969	56497	4.49	4.08
120.7	107	56497	57025	3.72	4.39
120.8	108	57025	57553	3.25	4.81
120.9	109	57553	58081	5.09	4.40
121	110	58081	58609	4.18	4.31
121.1	111	58609	59137	5.60	7.65
121.2	112	59137	59665	3.82	11.35
121.3	113	59665	60193	3.85	4.82
121.4	114	60193	60721	3.91	4.85
121.5	115	60721	61249	4.00	6.17
121.6	116	61249	61777	3.25	11.58
121.7	117	61777	62305	3.62	9.81
121.8	118	62305	62833	4.16	11.81
121.9	119	62833	63361	2.84	12.37
122	120	63361	63889	4.34	5.54
122.1	121	63889	64417	3.91	7.18
122.2	122	64417	64945	3.50	7.88
122.3	123	64945	65473	4.12	7.66
122.4	124	65473	66001	4.55	7.06
122.5	125	66001	66529	2.05	7.03
122.6	126	66529	67057	3.32	3.76
122.7	127	67057	67585	3.71	4.72
122.8	128	67585	68113	1.99	10.89
122.9	129	68113	68641	3.99	6.09
123	130	68641	69169	4.96	8.80
123.1	131	69169	69697	3.09	4.92
123.2	132	69697	70225	5.45	7.57
123.3	133	70225	70753	3.63	4.01
123.4	134	70753	71281	5.98	2.85
123.5	135	71281	71809	3.01	4.16
123.6	136	71809	72337	4.47	6.05
123.7	137	72337	72865	6.67	11.19
123.8	138	72865	73393	6.49	2.89
123.9	139	73393	73921	5.35	3.15
124	140	73921	74449	4.54	7.55
124.1	141	74449	74977	4.30	5.45
124.2	142	74977	75505	4.31	4.35
124.3	143	75505	76033	3.99	9.26
124.4	144	76033	76561	3.53	7.73
124.5	145	76561	77089	3.00	10.89

124.6	146	77089	77617	2.53	7.39
124.7	147	77617	78145	4.73	5.84
124.8	148	78145	78673	2.43	7.82
124.9	149	78673	79201	4.21	5.15
125	150	79201	79729	3.66	6.57
125.1	151	79729	80257	4.70	8.61
125.2	152	80257	80785	2.18	6.00
125.3	153	80785	81313	10.24	12.22
125.4	154	81313	81841	2.63	8.82
125.5	155	81841	82369	3.33	5.35
125.6	156	82369	82897	2.54	8.52
125.7	157	82897	83425	3.61	2.54
125.8	158	83425	83953	1.86	6.19
125.9	159	83953	84481	4.56	5.77
126	160	84481	85009	3.48	6.41
126.1	161	85009	85537	2.46	10.66
126.2	162	85537	86065	4.67	7.06
126.3	163	86065	86593	3.76	4.52
126.4	164	86593	87121	4.90	9.63
126.5	165	87121	87649	4.18	5.90
126.6	166	87649	88177	2.83	8.80
126.7	167	88177	88705	3.49	7.98
126.8	168	88705	89233	2.97	6.39
126.9	169	89233	89761	1.24	7.10
127	170	89761	90289	4.23	4.33
127.1	171	90289	90817	3.08	2.99
127.2	172	90817	91345	2.83	4.57
127.3	173	91345	91873	8.56	4.40
127.4	174	91873	92401	3.38	3.09
127.5	175	92401	92929	2.94	10.24
127.6	176	92929	93457	3.01	8.31
127.7	177	93457	93985	3.09	4.46
127.8	178	93985	94513	2.51	7.51
127.9	179	94513	95041	4.15	4.76
128	180	95041	95569	3.70	5.19
128.1	181	95569	96097	4.21	11.09
128.2	182	96097	96625	4.05	5.14
128.3	183	96625	97153	4.90	6.02
128.4	184	97153	97681	3.99	6.13
128.5	185	97681	98209	5.56	8.05
128.6	186	98209	98737	3.89	15.36
128.7	187	98737	99265	3.97	3.54
128.8	0	1	529	3.17	5.78

128.9	1	529	1057	2.96	5.78
129	2	1057	1585	7.72	9.48
129.1	3	1585	2113	7.73	8.83
129.2	4	2113	2641	7.46	8.39
129.3	5	2641	3169	8.17	7.16
129.4	6	3169	3697	8.30	6.72
129.5	7	3697	4225	6.21	7.15
129.6	8	4225	4753	7.85	7.04
129.7	9	4753	5281	7.67	6.80
129.8	10	5281	5809	6.96	8.99
129.9	11	5809	6337	9.43	7.51
130	12	6337	6865	8.70	6.48
130.1	13	6865	7393	8.65	9.62
130.2	14	7393	7921	10.53	11.80
130.3	15	7921	8449	3.75	16.68
130.4	16	8449	8977	4.78	4.01
130.5	17	8977	9505	3.91	3.26
130.6	18	9505	10033	5.36	3.07
130.7	19	10033	10561	3.66	7.03
130.8	20	10561	11089	2.56	3.89
130.9	21	11089	11617	3.14	4.84
131	22	11617	12145	3.39	7.61
131.1	23	12145	12673	3.69	3.87
131.2	24	12673	13201	4.21	6.63
131.3	25	13201	13729	3.77	4.90
131.4	26	13729	14257	4.49	4.70
131.5	27	14257	14785	5.61	2.96
131.6	28	14785	15313	4.18	3.95
131.7	29	15313	15841	6.20	7.01
131.8	30	15841	16369	3.86	4.49
131.9	31	16369	16897	4.52	4.71
132	32	16897	17425	3.79	4.10
132.1	33	17425	17953	4.18	5.49
132.2	34	17953	18481	3.03	4.92
132.3	35	18481	19009	4.13	4.28
132.4	36	19009	19537	3.23	6.05
132.5	37	19537	20065	3.49	5.50
132.6	38	20065	20593	3.89	4.94
132.7	39	20593	21121	2.90	5.02
132.8	40	21121	21649	4.23	5.55
132.9	41	21649	22177	4.57	3.20
133	42	22177	22705	2.45	4.60
133.1	43	22705	23233	3.61	5.78

133.2	44	23233	23761	5.48	6.83
133.3	45	23761	24289	3.42	3.63
133.4	46	24289	24817	3.94	4.11
133.5	47	24817	25345	3.06	3.92
133.6	48	25345	25873	4.71	4.07
133.7	49	25873	26401	4.40	4.96
133.8	50	26401	26929	2.70	4.77
133.9	51	26929	27457	4.75	4.99
134	52	27457	27985	4.95	8.93
134.1	53	27985	28513	3.72	10.89
134.2	54	28513	29041	3.69	6.48
134.3	55	29041	29569	3.35	12.26
134.4	56	29569	30097	3.43	5.12
134.5	57	30097	30625	7.92	13.28
134.6	58	30625	31153	9.98	21.17
134.7	59	31153	31681	12.38	11.44
134.8	60	31681	32209	5.68	8.77
134.9	61	32209	32737	10.58	9.54
135	62	32737	33265	4.02	6.57
135.1	63	33265	33793	7.01	10.68
135.2	64	33793	34321	7.20	8.26
135.3	65	34321	34849	9.43	8.34
135.4	66	34849	35377	11.57	9.72
135.5	67	35377	35905	10.74	6.88
135.6	68	35905	36433	7.38	7.26
135.7	69	36433	36961	7.15	7.62
135.8	70	36961	37489	8.11	8.95
135.9	71	37489	38017	7.41	15.44
136	72	38017	38545	6.99	16.95
136.1	73	38545	39073	8.23	12.71
136.2	74	39073	39601	8.42	8.88
136.3	75	39601	40129	8.81	7.85
136.4	76	40129	40657	6.84	11.27
136.5	77	40657	41185	7.19	5.45
136.6	78	41185	41713	7.31	9.55
136.7	79	41713	42241	10.54	11.85
136.8	80	42241	42769	10.72	10.01
136.9	81	42769	43297	11.40	10.11
137	82	43297	43825	11.70	7.12
137.1	83	43825	44353	15.76	8.80
137.2	84	44353	44881	4.74	3.26
137.3	85	44881	45409	7.22	3.23
137.4	86	45409	45937	10.92	13.70

137.5	87	45937	46465	8.61	8.20
137.6	88	46465	46993	8.54	9.47
137.7	89	46993	47521	9.89	6.98
137.8	90	47521	48049	7.71	11.10
137.9	91	48049	48577	4.75	6.82
138	92	48577	49105	10.64	13.43
138.1	93	49105	49633	12.06	12.47
138.2	94	49633	50161	11.27	12.20
138.3	95	50161	50689	7.98	7.85
138.4	96	50689	51217	6.85	12.36
138.5	97	51217	51745	7.10	8.77
138.6	98	51745	52273	6.01	5.95
138.7	99	52273	52801	7.75	10.56
138.8	100	52801	53329	9.76	6.28
138.9	101	53329	53857	8.74	13.13
139	102	53857	54385	5.47	6.49
139.1	103	54385	54913	8.34	7.05
139.2	104	54913	55441	7.64	5.06
139.3	105	55441	55969	8.29	3.85
139.4	106	55969	56497	10.20	6.47
139.5	107	56497	57025	7.74	5.06
139.6	108	57025	57553	7.87	9.88
139.7	109	57553	58081	6.48	8.24
139.8	110	58081	58609	6.89	7.58
139.9	111	58609	59137	5.98	6.41
140	112	59137	59665	12.02	7.84
140.1	113	59665	60193	13.66	6.97
140.2	114	60193	60721	10.25	6.50
140.3	115	60721	61249	6.93	6.41
140.4	116	61249	61777	9.27	8.28
140.5	117	61777	62305	6.76	9.34
140.6	118	62305	62833	10.25	10.55
140.7	119	62833	63361	10.10	8.13
140.8	120	63361	63889	11.77	5.64
140.9	121	63889	64417	7.89	6.83
141	122	64417	64945	9.27	5.12
141.1	123	64945	65473	10.42	12.47
141.2	124	65473	66001	7.69	5.77
141.3	125	66001	66529	5.76	7.38
141.4	126	66529	67057	8.19	10.40
141.5	127	67057	67585	8.97	9.64
141.6	128	67585	68113	8.15	11.67
141.7	129	68113	68641	12.87	13.15

141.8	130	68641	69169	11.81	10.28
141.9	131	69169	69697	8.74	11.05
142	132	69697	70225	9.30	11.54
142.1	133	70225	70753	10.76	13.59
142.2	134	70753	71281	10.56	10.46
142.3	135	71281	71809	9.61	10.06
142.4	136	71809	72337	9.01	11.27
142.5	137	72337	72865	6.91	9.67
142.6	138	72865	73393	9.67	10.59
142.7	139	73393	73921	10.50	11.76
142.8	140	73921	74449	12.26	13.47
142.9	141	74449	74977	9.47	12.67
143	142	74977	75505	8.76	13.29
143.1	143	75505	76033	9.94	11.21
143.2	144	76033	76561	10.40	11.26
143.3	145	76561	77089	10.02	11.95
143.4	146	77089	77617	8.81	12.83
143.5	147	77617	78145	10.75	14.52
143.6	148	78145	78673	7.80	13.06
143.7	149	78673	79201	9.25	11.18
143.8	150	79201	79729	8.24	10.65
143.9	151	79729	80257	8.90	12.92
144	152	80257	80785	10.26	11.75
144.1	153	80785	81313	14.39	13.46
144.2	154	81313	81841	13.64	12.78
144.3	155	81841	82369	6.51	10.16
144.4	156	82369	82897	8.50	10.54
144.5	157	82897	83425	9.90	10.94
144.6	158	83425	83953	9.34	10.84
144.7	159	83953	84481	10.97	13.43
144.8	160	84481	85009	7.83	11.52
144.9	161	85009	85537	9.69	9.81
145	162	85537	86065	10.98	9.68
145.1	163	86065	86593	11.59	11.77
145.2	164	86593	87121	8.65	12.53
145.3	165	87121	87649	8.19	13.12
145.4	166	87649	88177	11.99	14.66
145.5	167	88177	88705	12.65	17.18
145.6	168	88705	89233	8.11	13.10
145.7	169	89233	89761	28.42	26.52
145.8	170	89761	90289	8.78	13.45
145.9	171	90289	90817	10.71	14.73
146	172	90817	91345	9.56	14.67

146.1	173	91345	91873	12.04	16.62
146.2	174	91873	92401	9.26	12.86
146.3	175	92401	92929	7.55	11.42
146.4	176	92929	93457	9.00	13.41
146.5	177	93457	93985	7.46	6.19
146.6	178	93985	94513	18.24	13.33
146.7	179	94513	95041	6.17	15.00
146.8	180	95041	95569	3.35	8.62
146.9	181	95569	96097	3.89	24.35
147	182	96097	96625	1.79	5.83
147.1	183	96625	97153	7.44	5.61
147.2	184	97153	97681	3.25	4.89
147.3	185	97681	98209	3.01	88.01
147.4	186	98209	98737	1.46	101.22
147.5	187	98737	99265	3.68	8.84
147.6	188	99265	99793	3.05	5.40
147.7	189	99793	100321	3.19	6.55
147.8	190	100321	100849	2.70	8.62
147.9	191	100849	101377	2.61	9.68
148	192	101377	101905	2.61	7.48
148.1	193	101905	102433	4.52	6.62
148.2	194	102433	102961	3.93	7.35
148.3	195	102961	103489	3.03	5.94
148.4	196	103489	104017	6.22	7.19
148.5	197	104017	104545	3.59	8.87
148.6	198	104545	105073	5.96	6.27
148.7	199	105073	105601	8.37	11.25
148.8	200	105601	106129	2.32	5.29
148.9	201	106129	106657	5.68	6.47
149	202	106657	107185	5.71	6.45
149.1	203	107185	107713	3.21	6.34
149.2	204	107713	108241	3.48	8.79
149.3	205	108241	108769	4.91	7.52
149.4	206	108769	109297	5.37	4.86
149.5	207	109297	109825	5.65	4.39
149.6	208	109825	110353	6.44	7.13
149.7	209	110353	110881	5.67	1.48
149.8	210	110881	111409	7.75	7.30
149.9	211	111409	111937	5.63	4.57
150	212	111937	112465	6.02	5.93
150.1	213	112465	112993	6.69	7.12
150.2	214	112993	113521	5.25	4.94
150.3	215	113521	114049	4.86	6.01

150.4	216	114049	114577	5.35	6.07
150.5	217	114577	115105	7.13	7.12
150.6	218	115105	115633	7.64	6.01
150.7	219	115633	116161	5.11	4.06
150.8	220	116161	116689	6.68	6.64
150.9	221	116689	117217	2.95	7.38
151	222	117217	117745	5.55	6.15
151.1	223	117745	118273	5.65	7.58
151.2	224	118273	118801	7.64	4.11
151.3	225	118801	119329	5.07	2.00
151.4	226	119329	119857	6.15	5.75
151.5	227	119857	120385	4.62	5.01
151.6	228	120385	120913	4.25	7.52
151.7	229	120913	121441	3.95	5.29
151.8	230	121441	121969	5.83	4.81
151.9	231	121969	122497	5.63	5.36
152	232	122497	123025	8.19	9.16
152.1	233	123025	123553	6.81	8.29
152.2	234	123553	124081	5.57	6.09
152.3	235	124081	124609	6.92	4.14
152.4	236	124609	125137	6.17	4.05
152.5	237	125137	125665	4.30	7.61
152.6	238	125665	126193	6.80	7.83
152.7	239	126193	126721	4.68	7.78
152.8	240	126721	127249	4.40	7.74
152.9	241	127249	127777	5.53	6.07
153	242	127777	128305	6.13	8.37
153.1	243	128305	128833	3.17	9.47
153.2	244	128833	129361	4.31	8.82
153.3	245	129361	129889	4.24	6.83
153.4	246	129889	130417	2.59	7.20
153.5	247	130417	130945	4.71	7.60
153.6	248	130945	131473	6.15	7.32
153.7	249	131473	132001	5.80	7.70
153.8	250	132001	132529	2.36	8.17
153.9	251	132529	133057	3.99	8.02
154	252	133057	133585	5.51	7.86
154.1	253	133585	134113	5.25	8.67
154.2	254	134113	134641	2.94	6.20
154.3	255	134641	135169	2.94	6.33
154.4	256	135169	135697	2.76	6.04
154.5	257	135697	136225	3.09	6.04
154.6	258	136225	136753	3.85	7.90

154.7	259	136753	137281	4.26	7.14
154.8	260	137281	137809	4.88	5.14
154.9	261	137809	138337	3.94	4.72
155	262	138337	138865	5.36	8.11
155.1	263	138865	139393	6.06	9.70
155.2	264	139393	139921	6.38	7.54
155.3	265	139921	140449	4.30	7.98
155.4	266	140449	140977	3.93	6.03
155.5	267	140977	141505	4.99	5.88
155.6	268	141505	142033	7.08	7.93
155.7	269	142033	142561	4.35	6.63
155.8	270	142561	143089	4.28	5.73
155.9	271	143089	143617	7.44	6.62
156	272	143617	144145	6.78	9.67
156.1	273	144145	144673	5.82	8.58
156.2	274	144673	145201	5.33	5.45
156.3	275	145201	145729	5.66	7.37
156.4	276	145729	146257	3.82	7.74
156.5	277	146257	146785	3.36	8.16
156.6	278	146785	147313	7.90	6.68
156.7	279	147313	147841	8.44	12.29
156.8	280	147841	148369	4.85	6.46
156.9	281	148369	148897	3.73	6.68
157	282	148897	149425	4.60	9.50
157.1	283	149425	149953	5.09	7.46
157.2	284	149953	150481	3.82	9.75
157.3	285	150481	151009	3.36	7.38
157.4	286	151009	151537	6.63	9.17
157.5	287	151537	152065	4.77	11.95
157.6	288	152065	152593	11.46	12.20
157.7	289	152593	153121	4.43	10.10
157.8	290	153121	153649	4.11	6.88
157.9	291	153649	154177	6.59	9.50
158	292	154177	154705	4.62	11.65
158.1	293	154705	155233	6.50	10.35
158.2	294	155233	155761	4.29	9.98
158.3	295	155761	156289	4.67	12.09
158.4	296	156289	156817	3.35	8.15
158.5	297	156817	157345	6.91	10.37
158.6	298	157345	157873	4.98	10.23
158.7	299	157873	158401	5.68	11.60
158.8	300	158401	158929	4.24	9.39
158.9	301	158929	159457	5.93	15.55

159	302	159457	159985	5.55	10.14
159.1	303	159985	160513	4.93	9.07
159.2	304	160513	161041	3.63	8.34
159.3	305	161041	161569	9.61	7.74
159.4	306	161569	162097	4.30	7.21
159.5	307	162097	162625	3.11	9.57
159.6	308	162625	163153	4.94	3.01
159.7	309	163153	163681	4.59	10.12
159.8	310	163681	164209	3.25	8.07
159.9	311	164209	164737	3.62	7.24
160	312	164737	165265	6.44	7.25
160.1	313	165265	165793	4.49	7.47
160.2	314	165793	166321	6.40	8.87
160.3	315	166321	166849	4.68	8.20
160.4	316	166849	167377	4.16	7.04
160.5	317	167377	167905	5.90	7.15
160.6	318	167905	168433	3.53	9.57
160.7	319	168433	168961	4.54	9.33
160.8	320	168961	169489	4.45	5.13
160.9	321	169489	170017	5.09	7.45
161	322	170017	170545	9.03	8.94
161.1	323	170545	171073	10.27	6.72
161.2	324	171073	171601	2.94	11.19
161.3	325	171601	172129	4.30	6.55
161.4	326	172129	172657	3.82	6.63
161.5	327	172657	173185	3.05	6.41
161.6	328	173185	173713	6.99	6.96
161.7	329	173713	174241	4.89	13.92
161.8	330	174241	174769	4.14	7.83
161.9	331	174769	175297	6.96	10.41
162	332	175297	175825	4.08	7.84
162.1	333	175825	176353	3.44	7.36
162.2	334	176353	176881	2.84	5.94
162.3	335	176881	177409	2.48	6.35
162.4	336	177409	177937	4.04	9.18
162.5	337	177937	178465	5.24	6.72
162.6	338	178465	178993	3.08	7.96
162.7	339	178993	179521	5.03	5.19
162.8	340	179521	180049	5.49	7.92
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163	342	180577	181105	2.72	9.46
163.1	343	181105	181633	3.02	7.33
163.2	344	181633	182161	4.37	7.07

163.3	345	182161	182689	4.44	6.66
163.4	346	182689	183217	4.67	9.13
163.5	347	183217	183745	2.27	5.62
163.6	348	183745	184273	3.37	6.37
163.7	349	184273	184801	5.85	6.59
163.8	350	184801	185329	5.26	7.32
163.9	351	185329	185857	4.73	5.29
164	352	185857	186385	4.66	7.34
164.1	353	186385	186913	8.13	6.79
164.2	354	186913	187441	8.55	7.48
164.3	355	187441	187969	7.06	7.48
164.4	356	187969	188497	5.38	6.27
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164.6	358	189025	189553	3.76	5.87
164.7	359	189553	190081	2.98	7.13
164.8	360	190081	190609	5.53	4.93
164.9	361	190609	191137	4.95	17.96
165	362	191137	191665	4.74	3.68
165.1	363	191665	192193	3.73	5.73
165.2	364	192193	192721	6.20	6.86
165.3	365	192721	193249	5.85	7.71
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165.5	367	193777	194305	5.66	6.72
165.6	368	194305	194833	6.63	6.24
165.7	369	194833	195361	8.32	6.80
165.8	370	195361	195889	4.21	6.17
165.9	371	195889	196417	8.57	6.68
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166.1	373	196945	197473	3.29	6.07
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166.5	377	199057	199585	2.11	5.45
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166.7	379	200113	200641	3.18	6.47
166.8	380	200641	201169	4.52	5.83
166.9	381	201169	201697	6.48	7.53
167	382	201697	202225	5.95	10.44
167.1	383	202225	202753	8.42	6.80
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167.3	385	203281	203809	4.01	14.91
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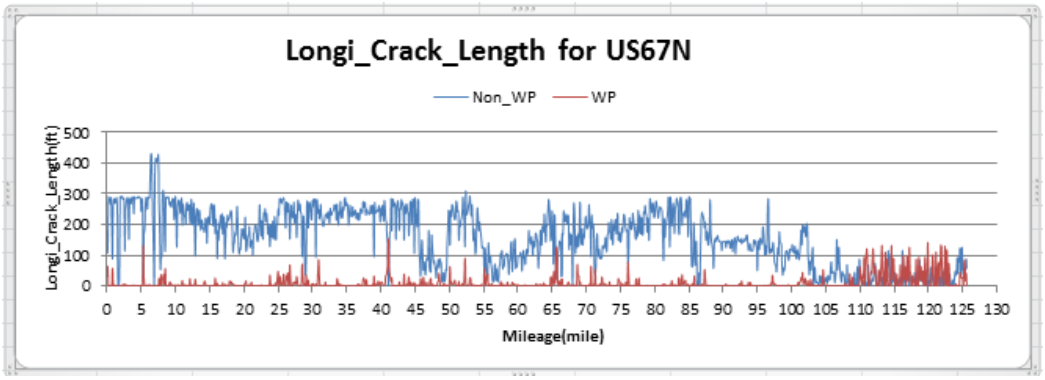
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169.1	403	212785	213313	2.58	7.09
169.2	404	213313	213841	2.64	6.09
169.3	405	213841	214369	3.63	8.77
169.4	406	214369	214897	5.03	6.02
169.5	407	214897	215425	4.58	7.47
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169.8	410	216481	217009	5.78	8.04
169.9	411	217009	217537	3.37	6.46
170	412	217537	218065	6.11	8.79
170.1	413	218065	218593	5.78	9.10
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170.3	415	219121	219649	7.85	9.26
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170.7	419	221233	221761	7.18	4.19
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171.1	423	223345	223873	4.87	6.72
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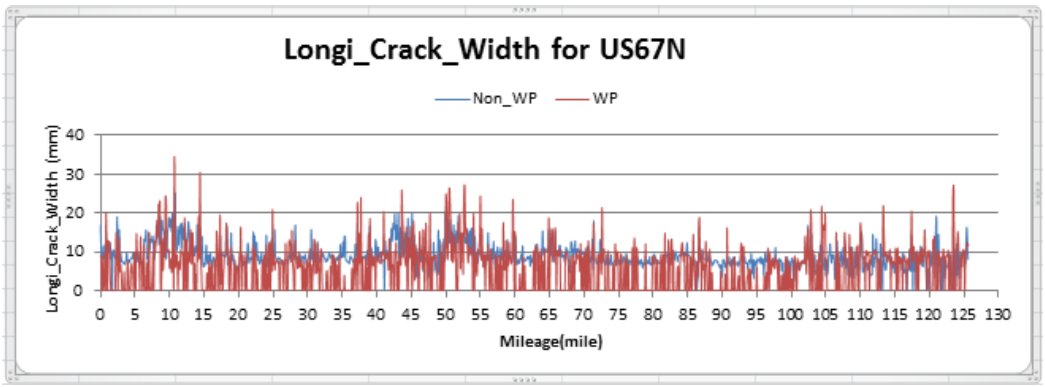
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173	442	233377	233905	19.93	19.35
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173.6	448	236545	237073	13.19	8.34
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173.8	450	237601	238129	10.96	10.03
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174.3	455	240241	240769	20.09	19.85
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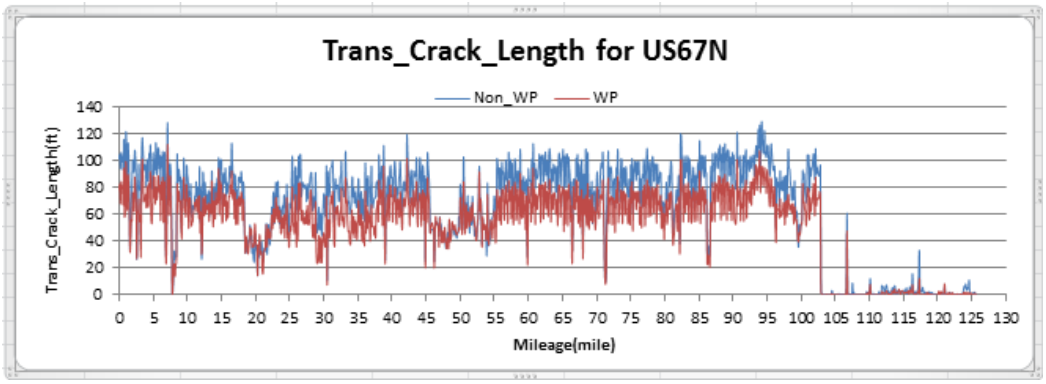
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177	482	254497	255025	4.09	6.31
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177.2	484	255553	256081	6.03	7.06
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177.4	486	256609	257137	8.75	5.84
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177.8	490	258721	259249	7.07	4.90
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178	492	259777	260305	7.97	6.10
178.1	493	260305	260833	7.65	6.10
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178.8	500	264001	264529	6.78	8.00
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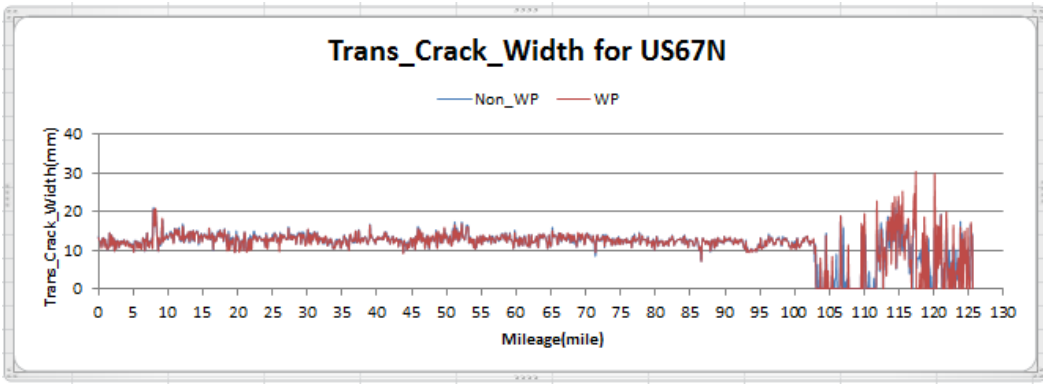
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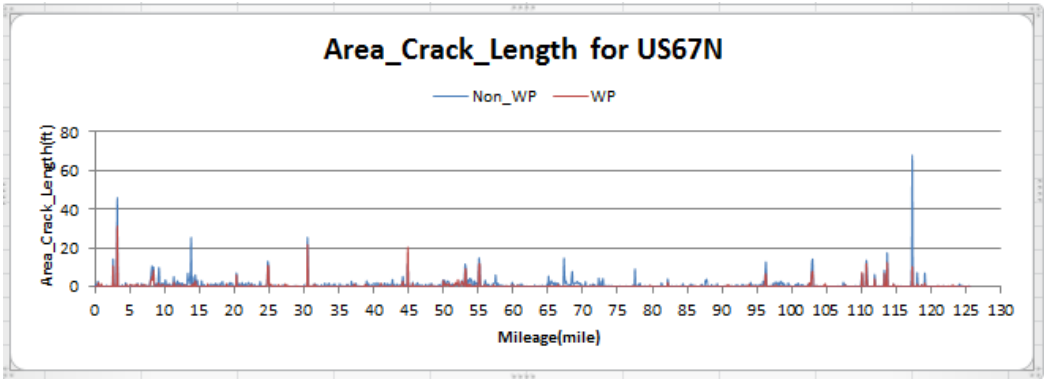
Cracking Data

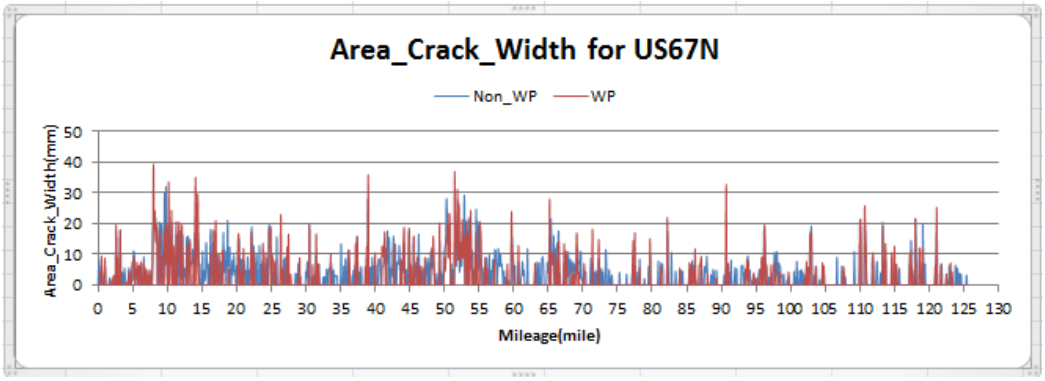







Trans_Crack_Width for US67N
Non_WP
WP
Trans_Crack_Width(mm)
0 10 20 30 40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)


Area_Crack_Length for US67N
Non_WP
WP
Area_Crack_Length(ft)
0 20 40 60 80
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)


Area_Crack_Width for US67N
Non_WP
WP
Area_Crack_Width(mm)
0 10 20 30 40 50
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	178.75	30.40	16.81	9.02	101.19	78.50	13.52	13.38	0.00	0.00	0.00	0.00
0.1	110.74	63.72	9.18	7.77	104.33	81.83	12.80	12.69	1.26	0.00	8.17	0.00
0.2	290.79	0.00	11.50	0.00	93.69	67.75	12.51	12.44	0.00	0.00	0.00	0.00
0.3	284.41	0.00	8.56	0.00	105.92	83.98	12.31	12.07	0.00	0.43	0.00	4.22
0.4	280.38	0.65	8.00	9.49	99.02	79.42	10.88	10.51	2.68	0.45	3.65	3.92
0.5	266.58	0.45	7.95	4.94	103.07	80.86	12.42	11.99	1.67	2.09	6.39	9.40
0.6	286.67	0.00	11.80	0.00	93.34	67.03	13.12	13.10	0.00	0.00	0.00	0.00
0.7	193.32	0.00	9.26	0.00	115.73	94.34	13.24	13.25	0.00	0.00	0.00	0.00
0.8	88.84	57.32	15.13	20.10	81.30	57.96	12.01	11.85	0.00	0.00	0.00	0.00
0.9	264.60	7.74	7.87	7.42	87.67	61.83	11.08	10.71	0.68	1.49	3.01	4.43
1	285.07	0.00	11.72	0.00	121.30	98.92	12.98	12.85	0.09	0.71	5.81	8.72
1.1	268.89	2.40	9.93	12.89	104.35	78.99	11.75	11.80	0.00	0.00	0.00	0.00
1.2	282.77	1.33	9.84	12.67	86.62	62.85	11.38	11.23	0.00	0.00	0.00	0.00
1.3	270.84	0.05	12.50	12.49	112.73	89.00	10.10	10.08	0.00	0.00	0.00	0.00
1.4	287.43	0.52	12.09	3.94	104.38	82.09	10.51	10.50	0.00	0.00	0.00	0.00
1.5	243.06	0.00	8.07	0.00	80.32	60.24	10.97	10.85	0.00	0.00	0.00	0.00
1.6	3.46	0.00	9.63	0.00	34.32	31.79	14.56	14.57	0.52	0.00	1.35	0.00
1.7	0.00	0.00	0.00	0.00	52.12	44.45	11.28	10.90	0.47	0.00	2.42	0.00
1.8	20.57	0.00	10.54	0.00	68.63	56.04	11.79	11.43	0.13	0.39	0.98	1.47
1.9	289.47	0.00	10.40	0.00	81.50	54.73	13.98	13.95	0.00	0.00	0.00	0.00
2	291.45	0.00	9.13	0.00	100.35	75.82	11.29	11.29	0.00	0.00	0.00	0.00
2.1	287.23	0.00	8.58	0.00	93.36	69.01	12.16	12.11	0.00	0.00	0.00	0.00
2.2	292.66	0.94	8.33	8.53	91.30	62.82	13.12	13.17	0.11	0.39	1.99	2.99
2.3	282.46	4.72	9.80	15.06	107.41	87.18	9.74	9.71	0.00	0.00	0.00	0.00
2.4	284.32	5.36	19.07	8.87	102.24	79.12	12.52	12.41	0.14	0.38	2.22	3.34
2.5	284.90	0.00	10.92	0.00	86.15	70.77	12.08	11.87	0.00	0.00	0.00	0.00
2.6	113.52	4.11	9.54	8.66	26.18	26.66	10.41	10.29	14.31	10.75	17.42	19.66
2.7	247.84	5.96	15.78	13.70	72.05	61.26	12.59	11.97	0.54	0.00	2.06	0.00
2.8	264.49	0.42	7.33	4.98	83.80	62.52	12.50	12.48	0.00	0.58	0.00	9.16
2.9	284.17	0.85	9.64	6.79	97.55	71.39	12.11	12.07	0.07	0.45	1.62	2.43
3	288.71	0.60	8.54	4.12	77.43	54.30	10.77	10.77	0.00	0.00	0.00	0.00
3.1	270.73	0.00	7.29	0.00	80.49	59.04	11.80	11.84	0.00	0.00	0.00	0.00
3.2	151.02	0.00	7.45	0.00	37.48	28.21	12.50	12.42	45.97	31.25	17.86	18.05
3.3	281.94	0.00	7.04	0.00	103.47	84.32	11.55	11.56	0.00	0.00	0.00	0.00
3.4	286.08	0.55	7.36	4.91	117.09	101.05	12.35	12.23	0.00	0.00	0.00	0.00
3.5	267.28	0.00	6.71	0.00	107.37	89.32	12.48	12.26	0.34	0.00	4.27	0.00
3.6	280.90	0.00	7.01	0.00	92.96	69.47	11.64	11.64	0.00	0.00	0.00	0.00
3.7	291.16	0.00	8.12	0.00	96.27	72.80	12.73	12.71	0.00	0.00	0.00	0.00
3.8	286.73	0.00	9.76	0.00	97.14	70.11	12.02	11.97	0.42	0.00	5.52	0.00
3.9	235.10	3.64	7.69	7.48	92.07	74.89	11.46	11.02	0.92	0.00	3.12	0.00

4	290.45	0.57	7.68	6.11	80.49	64.70	11.91	11.83	0.07	0.44	0.81	1.21
4.1	287.22	0.00	7.97	0.00	100.89	81.28	12.37	12.15	0.00	0.00	0.00	0.00
4.2	285.24	0.00	7.19	0.00	88.98	65.67	12.49	12.49	0.00	0.00	0.00	0.00
4.3	285.05	0.00	8.02	0.00	85.03	65.39	11.27	10.88	0.00	0.00	0.00	0.00
4.4	286.12	1.16	8.26	5.55	105.22	82.96	11.88	11.71	2.01	0.33	4.23	2.64
4.5	290.81	0.52	8.59	7.02	102.88	79.97	11.39	10.89	0.61	1.17	5.58	4.77
4.6	286.75	0.70	8.12	4.74	111.14	90.99	11.82	11.74	0.00	0.00	0.00	0.00
4.7	291.20	0.22	9.77	4.27	82.19	55.61	10.94	10.94	0.00	0.00	0.00	0.00
4.8	287.12	0.00	9.51	0.00	78.67	52.82	10.57	10.62	0.00	0.00	0.00	0.00
4.9	286.04	0.83	8.26	9.81	85.19	65.32	11.62	11.42	0.11	0.27	4.26	6.39
5	242.66	2.35	7.97	8.94	105.86	88.69	11.25	10.84	0.27	1.14	1.60	7.81
5.1	285.76	0.00	7.80	0.00	89.41	72.27	9.65	9.45	0.97	0.63	11.10	6.37
5.2	260.03	5.06	9.51	14.42	100.92	87.64	12.52	11.88	0.85	0.89	11.04	9.18
5.3	15.18	132.40	10.13	9.92	93.28	67.49	12.19	12.27	0.39	0.00	3.08	0.00
5.4	168.56	25.85	7.38	10.04	113.35	79.79	12.50	12.46	0.14	0.41	3.41	5.11
5.5	183.37	0.64	8.40	8.30	90.58	70.92	11.95	11.48	0.03	0.41	2.03	3.05
5.6	258.03	2.13	7.56	6.28	89.43	71.03	10.92	10.39	0.07	0.86	1.86	7.58
5.7	288.09	0.00	9.49	0.00	109.27	88.63	11.89	11.61	0.00	0.00	0.00	0.00
5.8	276.00	1.37	7.17	13.73	109.18	86.84	12.23	12.14	0.14	0.33	3.30	4.95
5.9	249.66	3.05	7.02	7.61	93.85	75.91	10.88	10.46	0.00	1.25	0.00	6.54
6	289.01	2.06	7.35	6.95	103.50	81.08	11.90	11.79	0.14	0.38	3.09	4.64
6.1	287.32	0.00	7.80	0.00	81.78	55.11	11.23	11.11	1.70	0.00	3.83	0.00
6.2	286.57	5.08	7.92	7.87	102.76	83.93	10.46	10.18	0.13	0.99	4.33	7.54
6.3	350.15	2.68	13.26	11.50	95.17	70.90	11.86	11.69	0.14	0.27	1.30	1.95
6.4	428.53	0.00	12.74	0.00	106.34	87.45	13.31	13.28	0.00	0.00	0.00	0.00
6.5	430.83	0.00	13.90	0.00	78.61	54.02	12.35	12.30	0.00	0.00	0.00	0.00
6.6	339.31	0.00	15.48	0.00	79.10	55.68	12.90	12.73	0.21	0.73	9.28	6.96
6.7	212.40	0.92	8.21	7.07	105.67	84.28	9.70	9.77	1.62	0.36	3.16	5.30
6.8	115.71	0.00	8.75	0.00	53.15	39.10	12.95	12.79	0.41	0.00	5.61	0.00
6.9	0.00	0.00	0.00	0.00	28.83	23.13	12.69	12.32	0.00	0.00	0.00	0.00
7	366.21	1.46	14.62	15.10	73.52	52.22	14.50	14.55	1.02	1.18	3.25	4.87
7.1	415.91	0.52	10.49	2.14	127.59	111.41	11.14	11.03	0.13	0.36	1.36	2.05
7.2	409.88	0.00	13.18	0.00	101.68	82.50	12.54	12.40	0.00	0.00	0.00	0.00
7.3	405.33	0.00	13.16	0.00	76.49	59.24	10.67	10.61	0.00	0.00	0.00	0.00
7.4	416.66	0.00	12.45	0.00	95.59	84.09	11.71	11.49	0.78	0.68	3.33	4.99
7.5	428.27	0.55	14.15	4.65	97.57	88.54	12.50	12.08	0.08	0.38	2.92	4.38
7.6	266.35	25.09	13.20	9.75	87.94	70.11	11.90	11.81	0.00	0.00	0.00	0.00
7.7	187.64	0.00	10.66	0.00	54.94	44.50	13.32	13.09	0.00	0.00	0.00	0.00
7.8	54.34	9.77	7.95	12.63	0.68	0.77	14.15	10.62	0.48	0.00	4.54	0.00
7.9	102.85	36.83	11.67	9.74	5.76	7.74	21.05	20.42	2.18	0.42	17.33	9.96
8	94.20	2.96	13.05	12.23	22.23	20.22	20.23	18.54	4.41	3.43	20.63	39.32
8.1	300.39	21.55	16.71	14.95	32.72	23.21	16.42	16.24	8.42	3.02	18.25	18.92
8.2	311.91	26.10	17.10	18.17	26.12	13.79	19.70	20.83	10.58	5.44	22.00	24.30

8.3	283.93	37.14	16.84	13.72	29.94	22.09	17.34	19.30	4.53	3.22	21.24	17.31
8.4	165.36	3.03	14.03	22.19	28.45	23.79	14.26	14.05	10.08	8.27	14.04	13.80
8.5	116.14	56.83	12.00	20.36	103.27	81.89	11.63	12.29	1.60	0.39	18.08	19.01
8.6	289.08	1.73	19.15	22.94	82.19	60.73	9.74	9.72	0.00	0.00	0.00	0.00
8.7	283.78	0.00	15.82	0.00	93.03	77.39	13.04	13.32	0.00	0.61	0.00	13.29
8.8	288.12	0.00	11.34	0.00	93.45	76.72	11.48	11.92	1.59	0.41	11.13	9.71
8.9	290.74	1.11	17.90	13.16	84.33	69.52	11.05	11.61	0.61	0.31	20.31	17.87
9	288.93	0.43	16.22	5.19	87.53	70.07	11.36	11.75	0.00	0.00	0.00	0.00
9.1	264.90	9.03	15.54	5.81	61.00	48.81	16.09	15.83	5.02	1.82	19.65	8.99
9.2	262.46	13.34	15.41	13.78	47.40	42.05	17.85	18.23	9.77	1.27	19.26	9.52
9.3	274.28	2.46	13.90	8.93	85.45	70.53	12.20	12.21	0.40	0.00	10.07	0.00
9.4	255.91	5.48	14.36	24.34	79.84	71.71	12.93	13.26	0.00	0.00	0.00	0.00
9.5	278.73	3.73	8.10	23.32	101.84	87.45	13.23	13.39	0.72	0.00	7.05	0.00
9.6	286.28	0.07	11.25	10.59	71.35	61.95	13.02	12.75	1.77	0.98	30.37	17.49
9.7	283.80	0.75	15.36	9.96	81.92	70.92	13.56	13.63	0.42	0.58	6.52	7.69
9.8	216.25	0.51	16.19	10.55	66.38	57.88	14.35	13.87	1.72	0.94	31.71	20.15
9.9	264.84	3.82	18.83	10.47	95.79	81.49	12.83	13.23	0.97	0.70	21.03	10.91
10	290.08	1.01	17.37	5.73	89.07	74.28	12.74	13.07	0.59	0.00	2.93	0.00
10.1	209.04	1.46	16.29	8.19	84.55	69.64	13.52	13.50	3.51	0.00	5.92	0.00
10.2	125.81	2.13	18.54	6.54	60.58	49.34	13.81	13.86	1.64	0.56	20.30	33.65
10.3	238.31	2.03	15.20	4.79	76.81	70.81	14.65	14.34	0.41	0.00	1.34	0.00
10.4	275.59	4.04	20.05	10.44	74.14	72.47	14.99	14.54	0.04	0.48	10.44	15.66
10.5	280.96	0.52	10.33	18.76	82.45	66.04	14.05	13.72	1.12	0.03	11.35	6.67
10.6	266.36	0.00	11.88	0.00	62.83	51.30	13.11	12.92	1.28	0.83	20.50	24.37
10.7	236.66	1.16	18.40	34.62	57.44	53.67	14.37	14.16	1.42	0.00	15.66	0.00
10.8	266.38	0.21	25.08	5.98	66.40	54.36	11.96	11.71	0.00	0.00	0.00	0.00
10.9	284.32	5.65	10.88	6.56	65.05	60.29	14.27	13.90	0.49	0.11	8.55	12.82
11	197.35	17.81	10.24	9.37	63.47	64.04	15.74	15.51	0.00	0.00	0.00	0.00
11.1	265.06	0.64	10.67	8.74	73.54	69.06	14.23	14.11	1.14	0.00	9.39	0.00
11.2	251.48	0.00	16.63	0.00	73.35	65.85	14.46	14.50	0.00	0.00	0.00	0.00
11.3	229.87	3.69	11.79	7.05	84.31	71.02	15.34	15.60	5.15	2.34	16.40	20.75
11.4	222.72	2.58	15.30	7.47	71.85	62.19	13.84	13.75	0.86	0.00	9.19	0.00
11.5	201.21	1.68	15.86	5.51	70.15	61.73	14.70	14.53	0.69	0.54	3.49	6.04
11.6	267.85	2.23	17.06	10.42	80.44	73.13	15.84	15.15	1.65	0.31	17.59	11.49
11.7	272.19	0.07	10.69	10.22	60.43	56.72	12.94	12.73	0.00	0.50	0.00	20.58
11.8	245.40	0.55	17.34	9.82	95.40	73.78	12.19	12.86	3.01	0.84	17.56	12.73
11.9	256.97	0.19	16.20	8.73	53.53	45.76	12.95	13.62	1.58	0.00	7.25	0.00
12	264.10	0.00	13.15	0.00	78.71	61.76	12.32	12.50	0.54	0.00	6.60	0.00
12.1	214.73	23.99	15.16	9.94	27.39	30.57	16.78	16.20	1.98	0.55	8.71	19.30
12.2	204.11	4.06	16.48	18.55	47.30	39.49	16.13	15.77	1.88	1.06	16.07	10.90
12.3	280.93	0.00	11.75	0.00	90.92	71.86	11.90	11.97	0.00	0.00	0.00	0.00
12.4	253.93	0.15	13.32	4.27	85.59	69.80	13.85	13.66	0.57	0.00	5.76	0.00
12.5	198.51	3.12	12.56	13.15	73.68	58.63	12.47	13.02	1.93	0.00	2.83	0.00

12.6	238.11	0.00	14.48	0.00	83.59	73.49	13.31	13.10	1.13	0.00	5.19	0.00
12.7	268.29	3.55	17.82	9.47	67.79	60.46	14.02	14.07	0.00	0.00	0.00	0.00
12.8	182.11	3.41	15.97	7.16	74.74	66.81	13.23	13.43	1.11	0.94	15.67	7.99
12.9	96.88	22.03	9.00	7.69	71.67	65.52	14.64	14.83	0.00	0.33	0.00	13.18
13	223.64	2.26	10.76	15.59	65.50	63.19	12.85	12.88	0.96	0.53	15.98	7.98
13.1	251.18	0.52	10.53	12.80	77.60	68.15	11.87	12.21	0.52	0.00	4.03	0.00
13.2	251.84	2.11	10.39	6.85	57.80	54.57	14.92	14.77	0.76	0.28	12.87	11.98
13.3	198.11	0.88	14.70	14.89	76.37	66.94	14.31	14.47	6.97	0.56	6.12	14.64
13.4	208.96	0.52	11.09	11.73	75.60	67.25	14.56	14.76	3.91	0.00	7.11	0.00
13.5	247.06	0.00	9.48	0.00	68.43	61.02	12.45	12.77	2.75	0.00	7.62	0.00
13.6	214.28	0.93	8.99	7.08	92.29	84.83	15.18	15.04	1.13	0.00	7.16	0.00
13.7	181.57	0.00	11.46	0.00	70.91	62.63	13.86	14.12	7.70	0.00	11.72	0.00
13.8	208.72	0.05	10.80	4.22	68.81	50.51	12.15	12.32	25.40	0.66	8.40	9.80
13.9	215.13	0.00	10.30	0.00	79.17	69.46	14.43	14.11	0.90	0.00	6.06	0.00
14	186.87	0.76	17.15	10.88	75.81	63.26	14.41	14.69	5.12	1.30	16.95	22.57
14.1	189.21	0.97	12.30	7.82	67.87	56.80	14.87	14.51	1.67	1.53	10.95	34.38
14.2	174.57	14.20	11.04	19.22	82.87	76.30	15.10	14.87	0.86	0.00	11.89	0.00
14.3	189.83	15.67	10.88	8.47	72.88	67.25	13.92	14.18	1.08	0.38	17.42	14.73
14.4	221.85	4.26	16.55	30.52	86.83	67.97	11.33	11.83	6.12	2.99	16.94	29.67
14.5	214.74	2.42	9.67	10.79	76.89	69.61	13.19	13.17	1.37	1.09	11.15	9.09
14.6	138.68	1.12	9.97	4.82	102.18	94.00	13.98	13.72	1.16	0.00	5.96	0.00
14.7	210.69	0.00	13.95	0.00	72.96	59.45	13.39	13.26	3.28	0.00	6.88	0.00
14.8	225.65	0.00	6.87	0.00	99.08	84.35	14.41	14.24	0.00	0.00	0.00	0.00
14.9	207.32	0.00	6.08	0.00	100.38	82.59	12.24	12.09	0.00	0.00	0.00	0.00
15	203.64	0.00	7.13	0.00	100.69	81.41	13.80	13.38	0.00	0.00	0.00	0.00
15.1	251.45	0.00	6.37	0.00	68.25	53.42	13.60	13.63	0.56	0.00	11.07	0.00
15.2	265.59	0.00	8.79	0.00	75.36	54.47	14.05	13.98	0.00	0.00	0.00	0.00
15.3	267.99	0.00	11.82	0.00	90.64	74.96	14.27	14.10	3.07	0.00	4.86	0.00
15.4	227.14	0.56	8.13	4.61	82.79	69.85	13.10	13.13	0.55	0.00	1.35	0.00
15.5	197.05	0.00	6.92	0.00	83.67	66.06	13.27	13.09	0.42	0.00	3.03	0.00
15.6	264.24	0.00	9.16	0.00	94.27	74.58	13.86	13.75	0.85	0.00	13.65	0.00
15.7	250.76	1.04	8.71	7.41	73.43	54.94	13.42	13.33	0.89	0.00	9.77	0.00
15.8	170.54	25.74	7.60	5.81	83.65	69.63	12.96	12.79	0.39	0.00	4.51	0.00
15.9	217.68	0.00	9.61	0.00	75.99	57.21	15.66	15.77	0.00	0.00	0.00	0.00
16	194.23	2.96	6.89	4.50	77.71	58.61	13.89	13.59	0.35	0.00	6.69	0.00
16.1	89.05	9.21	7.74	6.63	85.86	73.44	12.66	12.85	0.00	0.00	0.00	0.00
16.2	177.49	0.00	6.04	0.00	95.62	72.66	13.29	13.18	0.67	1.45	16.25	10.57
16.3	148.62	0.00	8.28	0.00	94.13	81.83	14.34	14.10	0.89	0.00	18.05	0.00
16.4	203.24	0.00	8.66	0.00	87.95	75.58	14.60	14.36	0.48	0.00	2.96	0.00
16.5	207.29	0.14	7.94	8.07	112.90	92.36	9.88	10.09	0.00	0.00	0.00	0.00
16.6	230.09	0.10	7.66	3.46	98.26	74.93	13.78	13.61	0.49	0.00	13.50	0.00
16.7	186.83	0.00	7.97	0.00	89.18	71.05	13.82	13.60	1.41	0.14	14.05	17.91
16.8	235.24	0.10	8.12	15.22	90.28	77.85	12.15	12.21	0.00	0.00	0.00	0.00

16.9	169.34	10.50	8.56	13.79	74.87	56.80	12.60	12.27	0.52	0.38	3.55	13.06
17	200.82	2.37	9.29	8.23	89.36	76.53	12.82	12.75	0.88	0.11	10.85	20.58
17.1	223.13	0.00	8.36	0.00	74.05	52.97	14.17	14.04	0.85	0.00	6.59	0.00
17.2	90.73	0.00	6.40	0.00	59.08	59.48	15.05	14.61	0.00	0.00	0.00	0.00
17.3	139.73	5.24	14.11	19.55	78.60	70.88	13.73	13.60	1.68	0.44	2.47	5.92
17.4	205.87	1.54	9.68	1.81	69.74	52.29	13.71	13.89	0.97	0.46	9.94	9.89
17.5	191.38	1.82	8.71	10.15	87.05	71.44	15.36	15.18	1.19	0.00	3.37	0.00
17.6	230.83	0.00	8.68	0.00	87.63	73.12	13.33	13.26	0.00	0.00	0.00	0.00
17.7	212.84	0.00	9.43	0.00	85.26	66.22	14.38	14.42	0.43	0.00	7.63	0.00
17.8	218.07	2.01	9.30	4.64	83.50	68.91	14.18	14.24	0.00	0.00	0.00	0.00
17.9	222.02	16.45	8.94	8.33	91.81	76.59	13.04	13.09	1.64	0.48	7.33	10.61
18	239.32	8.59	8.66	9.20	85.52	73.48	12.24	12.40	0.38	0.18	7.52	11.27
18.1	246.07	7.03	8.85	9.76	67.31	55.20	15.58	15.43	0.93	0.00	17.26	0.00
18.2	235.90	13.62	14.06	17.43	84.01	70.72	13.56	13.86	1.96	0.00	4.25	0.00
18.3	181.85	3.17	16.29	12.79	76.44	64.27	13.95	14.16	2.61	0.00	11.19	0.00
18.4	110.18	4.81	6.67	9.45	44.18	46.17	12.45	12.51	0.58	0.00	7.61	0.00
18.5	135.05	6.10	6.95	8.69	31.04	30.82	10.90	9.74	0.00	0.00	0.00	0.00
18.6	141.85	0.00	6.68	0.00	38.96	43.33	11.22	11.12	0.54	0.00	1.09	0.00
18.7	173.13	0.46	8.34	4.67	40.64	40.93	14.94	14.25	0.57	0.00	21.05	0.00
18.8	165.41	0.03	9.39	10.28	31.25	34.38	10.35	10.04	0.44	0.00	6.06	0.00
18.9	205.84	1.94	14.91	11.16	38.97	30.36	11.21	10.34	1.15	1.51	6.70	5.52
19	259.87	0.00	9.44	0.00	39.04	34.06	13.05	12.14	0.46	0.00	12.43	0.00
19.1	204.29	0.00	7.75	0.00	44.50	41.74	13.26	12.64	0.47	0.00	5.03	0.00
19.2	131.90	0.00	9.12	0.00	51.93	50.43	11.48	11.59	0.00	0.00	0.00	0.00
19.3	104.04	0.00	6.58	0.00	40.59	44.47	13.43	12.81	2.14	0.00	4.25	0.00
19.4	121.84	0.61	7.50	8.06	44.88	48.83	13.43	13.14	0.55	0.00	8.10	0.00
19.5	117.31	0.00	5.34	0.00	31.12	35.23	10.08	9.84	1.26	0.00	3.28	0.00
19.6	150.45	0.00	6.01	0.00	34.86	37.73	9.49	9.36	1.97	0.00	9.81	0.00
19.7	186.58	1.79	6.49	6.27	26.94	35.41	9.93	10.08	1.49	0.00	5.14	0.00
19.8	162.53	0.28	5.51	5.58	24.43	37.37	14.99	14.00	0.25	0.00	4.12	0.00
19.9	184.29	0.76	5.77	5.62	45.45	52.67	12.85	12.58	0.00	0.00	0.00	0.00
20	152.04	0.00	5.82	0.00	41.02	46.51	13.37	13.31	0.42	0.00	6.28	0.00
20.1	180.93	7.37	7.24	9.45	33.53	37.17	13.60	12.96	0.00	0.00	0.00	0.00
20.2	222.52	8.75	7.90	8.14	31.64	37.29	9.89	9.51	1.00	0.06	9.23	14.34
20.3	113.13	16.45	9.85	16.24	14.10	14.22	10.40	9.64	7.10	6.05	15.32	16.63
20.4	118.55	0.00	8.82	0.00	32.69	36.55	10.50	10.34	0.41	0.00	12.50	0.00
20.5	150.00	0.29	7.24	7.25	27.82	37.88	12.39	12.34	0.00	0.00	0.00	0.00
20.6	164.70	0.17	6.57	9.20	39.08	44.78	12.69	12.50	0.64	0.01	3.26	4.90
20.7	166.59	0.15	6.59	7.28	35.06	30.05	12.39	11.94	1.55	0.00	8.48	0.00
20.8	193.15	4.40	7.21	7.46	32.51	32.29	10.17	9.91	0.00	0.00	0.00	0.00
20.9	125.74	0.00	6.21	0.00	39.57	31.75	13.31	13.36	0.00	0.00	0.00	0.00
21	136.71	2.19	7.11	7.26	30.02	17.54	14.72	14.75	0.53	0.71	7.99	11.98
21.1	147.29	12.67	8.79	9.39	24.36	15.39	13.56	13.48	2.19	0.00	6.41	0.00

21.2	148.06	0.00	6.99	0.00	31.48	26.82	9.90	9.78	0.40	0.00	2.43	0.00
21.3	100.06	0.00	12.16	0.00	34.78	33.93	9.66	9.53	0.00	0.00	0.00	0.00
21.4	170.58	0.00	11.09	0.00	32.34	33.24	10.08	9.68	0.99	0.00	4.96	0.00
21.5	171.74	0.00	7.17	0.00	42.25	45.80	12.27	12.14	0.00	0.00	0.00	0.00
21.6	195.66	0.00	8.30	0.00	52.86	51.99	13.10	12.66	1.62	0.00	9.26	0.00
21.7	200.50	0.00	8.12	0.00	30.23	35.46	10.51	9.88	0.00	0.00	0.00	0.00
21.8	191.59	0.00	8.62	0.00	40.34	48.00	13.95	13.12	0.00	0.00	0.00	0.00
21.9	151.23	0.00	8.01	0.00	52.16	49.33	11.71	11.33	0.56	0.00	5.07	0.00
22	144.03	2.00	7.65	9.55	46.33	42.03	10.26	10.11	2.23	0.00	4.69	0.00
22.1	157.93	0.20	15.17	11.71	37.09	46.71	13.54	13.02	1.80	0.47	12.94	16.89
22.2	205.35	0.00	7.93	0.00	45.37	41.67	13.22	12.73	1.36	0.61	18.53	11.67
22.3	264.97	1.36	14.22	10.47	54.56	52.71	14.87	13.92	0.00	0.00	0.00	0.00
22.4	208.89	1.41	8.76	9.73	65.44	59.64	14.93	14.01	0.00	0.00	0.00	0.00
22.5	163.56	3.49	11.67	6.27	51.90	49.00	13.32	12.85	1.67	0.90	12.82	10.72
22.6	212.90	0.00	12.38	0.00	75.90	64.13	13.98	13.65	0.00	0.00	0.00	0.00
22.7	159.28	2.48	7.91	5.43	70.58	63.16	13.00	12.97	0.00	0.00	0.00	0.00
22.8	152.47	0.00	9.12	0.00	53.11	53.76	12.35	12.19	0.52	0.00	6.96	0.00
22.9	238.55	0.00	8.87	0.00	74.41	61.47	12.57	12.55	1.14	0.00	9.78	0.00
23	228.32	0.00	6.85	0.00	83.81	72.64	13.54	13.28	0.00	0.00	0.00	0.00
23.1	251.64	0.00	7.71	0.00	72.65	58.92	13.69	13.56	0.00	0.00	0.00	0.00
23.2	209.73	0.00	7.63	0.00	73.28	56.53	13.64	13.24	0.00	0.00	0.00	0.00
23.3	237.19	0.00	9.88	0.00	84.42	65.85	13.26	12.90	0.56	0.00	12.90	0.00
23.4	210.64	2.03	6.98	6.61	61.96	54.22	12.44	12.45	0.00	0.00	0.00	0.00
23.5	167.80	1.46	6.58	7.92	53.00	55.16	12.82	13.01	0.61	0.00	6.85	0.00
23.6	201.52	0.00	6.97	0.00	65.69	62.71	12.80	12.71	0.00	0.00	0.00	0.00
23.7	165.67	1.09	9.02	8.29	49.19	45.65	12.26	12.44	2.60	0.00	5.64	0.00
23.8	128.67	35.59	8.68	9.30	62.90	45.57	13.09	13.07	0.95	0.15	7.87	13.68
23.9	198.99	0.00	7.11	0.00	59.53	57.82	11.92	11.69	0.00	0.00	0.00	0.00
24	195.01	5.12	14.33	11.67	66.76	50.00	11.01	10.72	0.00	0.00	0.00	0.00
24.1	158.28	0.00	6.39	0.00	65.04	49.58	14.52	13.99	0.00	0.00	0.00	0.00
24.2	211.15	0.27	8.30	4.21	74.39	59.85	12.20	12.41	0.07	0.28	7.10	10.65
24.3	152.12	0.00	8.12	0.00	58.00	42.15	10.69	10.33	0.00	0.00	0.00	0.00
24.4	190.96	1.64	9.91	12.12	63.46	54.97	12.99	12.99	0.51	0.00	8.77	0.00
24.5	225.79	5.60	8.67	8.11	67.53	62.73	12.68	12.63	0.00	0.00	0.00	0.00
24.6	157.15	0.00	7.64	0.00	82.22	71.86	12.42	12.21	0.45	0.00	5.63	0.00
24.7	149.47	11.68	8.64	12.63	53.48	42.31	12.67	12.97	1.56	1.57	19.53	17.99
24.8	202.83	4.47	13.66	5.06	59.05	46.33	13.13	13.11	12.92	10.73	12.63	12.39
24.9	200.92	30.31	9.36	20.92	42.78	35.10	12.74	12.39	9.93	10.77	18.77	18.58
25	250.35	46.72	8.10	6.94	67.77	42.02	14.14	13.36	0.00	0.00	0.00	0.00
25.1	229.69	4.06	9.86	9.71	64.27	51.00	12.45	12.28	0.14	1.51	3.45	10.22
25.2	283.77	1.03	15.80	5.29	65.30	47.71	13.03	12.86	0.38	0.55	3.99	8.84
25.3	285.23	30.86	8.75	7.02	89.49	67.01	14.66	14.40	0.00	1.13	0.00	7.20
25.4	275.12	11.42	8.20	7.49	102.76	79.78	14.11	13.66	0.46	0.00	7.01	0.00

25.5	269.04	2.74	8.12	7.93	70.43	51.27	14.12	14.09	0.00	0.00	0.00	0.00
25.6	282.94	4.11	7.97	7.84	74.16	53.11	12.10	12.04	0.00	0.44	0.00	8.14
25.7	282.93	14.09	8.58	6.98	71.99	45.50	12.72	12.63	0.00	0.00	0.00	0.00
25.8	287.41	38.76	8.03	7.54	94.60	63.31	12.94	12.32	0.99	0.00	15.75	0.00
25.9	271.04	0.00	8.25	0.00	95.25	73.32	13.34	13.14	0.00	0.00	0.00	0.00
26	218.28	0.00	8.39	0.00	63.29	35.79	11.57	9.60	0.00	0.00	0.00	0.00
26.1	190.36	1.25	6.77	6.89	88.40	53.78	14.68	14.24	0.00	0.00	0.00	0.00
26.2	273.30	33.66	7.85	7.77	60.66	40.70	12.38	11.87	0.00	0.00	0.00	0.00
26.3	266.98	18.17	7.32	7.91	102.48	82.65	14.07	14.00	0.00	1.07	0.00	7.16
26.4	240.50	42.45	7.30	7.55	87.06	62.93	13.00	12.99	0.00	0.41	0.00	22.95
26.5	269.85	0.00	7.25	0.00	104.36	83.48	13.31	13.09	0.00	0.00	0.00	0.00
26.6	236.21	5.12	7.68	6.52	104.41	82.38	14.09	13.94	0.00	0.00	0.00	0.00
26.7	152.37	68.68	7.81	7.43	73.26	55.44	13.79	13.79	0.05	0.45	3.63	5.44
26.8	215.12	21.84	8.10	12.02	76.32	60.33	13.39	13.34	0.42	0.42	8.42	3.91
26.9	261.87	0.00	8.08	0.00	83.76	62.70	13.35	12.78	0.00	0.00	0.00	0.00
27	241.37	0.00	7.79	0.00	80.11	54.25	12.85	12.87	0.87	0.00	9.22	0.00
27.1	221.90	0.00	6.79	0.00	82.23	52.64	12.78	12.64	0.00	0.00	0.00	0.00
27.2	224.94	7.96	7.80	8.75	79.29	57.71	13.52	13.14	0.37	0.00	3.30	0.00
27.3	272.80	13.60	9.45	12.99	81.27	52.69	16.10	15.72	0.65	1.39	5.66	12.47
27.4	206.61	6.58	8.33	11.70	79.52	62.47	13.13	13.19	0.00	0.00	0.00	0.00
27.5	221.76	12.17	8.68	12.19	69.33	52.97	12.99	13.13	0.00	0.83	0.00	16.65
27.6	232.28	5.88	11.93	7.38	82.67	66.65	12.86	12.76	0.00	0.00	0.00	0.00
27.7	156.86	30.74	8.97	15.55	71.56	52.49	14.27	13.99	0.47	0.00	2.84	0.00
27.8	227.51	18.32	9.19	7.31	79.17	51.80	12.71	12.82	0.00	0.50	0.00	3.57
27.9	278.56	2.05	9.75	5.26	80.52	54.49	12.98	12.80	0.00	0.00	0.00	0.00
28	263.27	0.00	7.94	0.00	86.40	73.90	14.07	13.87	0.00	0.00	0.00	0.00
28.1	245.52	0.00	12.41	0.00	90.92	78.19	13.15	13.02	0.00	0.00	0.00	0.00
28.2	267.13	0.34	16.91	12.80	91.10	70.67	13.80	13.59	0.00	0.00	0.00	0.00
28.3	238.20	1.55	9.03	8.43	72.32	50.75	13.75	13.47	0.00	0.00	0.00	0.00
28.4	235.91	5.48	8.13	8.78	62.29	42.79	11.55	11.49	0.00	0.00	0.00	0.00
28.5	98.72	70.07	6.91	5.72	72.59	52.38	12.81	12.51	0.30	0.00	3.86	0.00
28.6	139.23	41.64	7.63	6.41	69.92	46.38	13.99	13.68	0.43	0.00	3.72	0.00
28.7	227.52	6.44	8.54	9.86	65.55	42.13	14.63	13.72	0.00	0.00	0.00	0.00
28.8	196.49	2.00	9.56	6.04	91.04	69.49	14.61	14.37	0.00	0.00	0.00	0.00
28.9	65.69	6.02	9.04	7.75	65.19	35.34	14.21	13.68	0.44	0.44	7.00	3.57
29	33.53	0.20	6.37	6.15	46.17	23.26	14.59	14.30	0.00	0.00	0.00	0.00
29.1	92.59	35.45	8.27	6.53	48.30	24.92	11.66	11.55	0.00	0.33	0.00	8.92
29.2	276.68	0.00	8.84	0.00	51.27	28.21	13.45	13.47	0.41	0.00	3.00	0.00
29.3	274.62	4.43	8.78	7.82	65.25	44.19	14.76	14.30	0.00	0.00	0.00	0.00
29.4	189.09	19.54	8.11	5.83	48.27	23.80	12.99	13.04	0.00	0.00	0.00	0.00
29.5	254.79	0.00	8.27	0.00	60.05	37.79	14.68	14.11	0.00	0.00	0.00	0.00
29.6	272.16	0.03	9.40	5.68	60.45	42.19	13.31	13.09	0.00	0.00	0.00	0.00
29.7	258.64	0.00	7.99	0.00	43.91	23.78	11.34	11.16	0.00	0.00	0.00	0.00

29.8	222.81	1.62	6.79	7.31	54.46	35.20	11.76	11.21	0.00	0.00	0.00	0.00
29.9	215.67	6.53	6.59	7.64	64.20	42.90	12.93	12.93	0.00	0.00	0.00	0.00
30	277.17	0.00	8.21	0.00	75.30	46.16	13.97	13.30	0.83	0.00	4.45	0.00
30.1	258.01	8.21	8.26	6.96	71.02	40.15	15.37	15.49	0.47	0.00	2.41	0.00
30.2	284.18	2.03	9.32	6.27	58.80	35.35	12.56	11.84	0.39	0.00	7.70	0.00
30.3	282.75	2.02	9.50	10.67	58.36	38.23	12.70	12.46	0.00	0.00	0.00	0.00
30.4	283.19	0.00	7.71	0.00	95.19	72.86	14.58	14.19	0.00	0.00	0.00	0.00
30.5	93.66	6.54	15.78	6.79	10.31	7.31	11.88	11.37	25.50	21.78	19.48	19.97
30.6	279.78	0.00	8.25	0.00	90.68	54.34	14.12	13.55	0.00	0.00	0.00	0.00
30.7	281.19	2.89	9.84	3.62	79.64	56.06	14.27	14.00	0.00	0.00	0.00	0.00
30.8	237.06	43.56	7.23	6.78	73.17	42.16	12.44	12.58	0.00	0.00	0.00	0.00
30.9	250.19	86.28	10.25	13.17	77.06	44.51	13.73	13.51	0.00	0.00	0.00	0.00
31	218.31	34.88	9.70	13.10	94.21	69.04	14.82	14.71	0.46	0.55	3.00	6.74
31.1	233.01	1.08	9.30	4.48	94.84	73.77	14.30	14.26	0.00	0.00	0.00	0.00
31.2	266.15	2.06	7.26	6.98	96.56	67.81	13.32	13.13	0.00	0.00	0.00	0.00
31.3	232.56	3.07	8.99	4.67	99.74	77.11	12.80	12.54	0.46	0.00	3.44	0.00
31.4	215.96	0.05	12.66	12.13	84.55	62.27	14.76	14.49	0.00	0.00	0.00	0.00
31.5	200.05	0.16	8.01	6.31	54.39	39.95	11.81	11.54	1.52	1.29	9.73	16.76
31.6	192.98	0.14	7.45	4.57	56.21	35.90	11.76	11.61	0.53	0.00	1.63	0.00
31.7	205.46	0.00	7.29	0.00	85.85	64.86	13.58	13.47	0.00	0.00	0.00	0.00
31.8	214.87	1.28	9.02	8.26	78.86	60.42	12.32	12.61	0.61	0.45	4.65	6.98
31.9	232.28	12.76	9.07	10.82	80.05	60.01	12.64	12.85	0.98	0.00	6.77	0.00
32	228.61	0.03	8.57	9.28	81.84	66.38	13.06	13.24	0.00	0.00	0.00	0.00
32.1	235.77	0.00	8.71	0.00	80.20	60.57	13.03	13.30	0.00	0.00	0.00	0.00
32.2	219.94	0.00	9.62	0.00	69.44	51.28	11.73	11.87	0.00	0.00	0.00	0.00
32.3	242.02	0.00	9.11	0.00	72.03	51.25	12.24	12.27	0.00	0.00	0.00	0.00
32.4	221.28	0.00	8.27	0.00	86.61	59.80	12.73	13.20	0.00	0.00	0.00	0.00
32.5	204.84	0.00	8.16	0.00	89.25	64.19	11.56	11.90	0.96	0.00	2.60	0.00
32.6	252.78	0.00	7.34	0.00	99.47	79.36	13.51	13.69	0.00	0.00	0.00	0.00
32.7	230.76	0.53	8.21	4.65	78.07	55.29	13.34	13.62	0.45	0.00	2.85	0.00
32.8	229.83	1.08	7.61	5.14	80.18	58.32	12.53	12.59	0.00	0.00	0.00	0.00
32.9	241.32	0.00	7.89	0.00	72.96	51.88	11.17	11.12	0.00	0.00	0.00	0.00
33	243.35	0.00	8.95	0.00	73.34	50.30	11.25	11.72	1.84	0.00	5.27	0.00
33.1	248.74	0.00	9.86	0.00	78.25	60.76	11.94	12.06	0.44	0.00	4.97	0.00
33.2	264.45	0.00	9.28	0.00	106.75	87.14	12.87	12.88	0.00	0.00	0.00	0.00
33.3	248.67	2.05	8.34	6.34	86.82	68.84	11.70	11.92	0.56	0.00	3.42	0.00
33.4	263.43	0.00	9.01	0.00	83.45	70.65	13.03	13.00	0.57	0.00	5.45	0.00
33.5	213.92	0.43	9.05	8.54	79.68	54.58	11.65	12.00	1.41	0.00	5.15	0.00
33.6	266.88	24.09	8.70	9.35	68.03	46.80	12.22	12.18	1.74	0.32	7.42	10.33
33.7	225.24	15.25	9.16	7.75	69.54	47.71	10.42	10.39	0.50	0.00	5.63	0.00
33.8	197.87	0.00	7.19	0.00	60.47	39.27	10.45	10.57	0.00	0.00	0.00	0.00
33.9	241.37	8.14	7.71	8.53	64.12	37.15	10.92	11.00	0.49	0.00	2.57	0.00
34	233.21	0.00	6.92	0.00	65.08	45.41	10.68	10.46	0.40	0.00	4.93	0.00

34.1	275.58	1.52	8.46	6.70	82.39	62.97	12.62	12.44	0.00	0.00	0.00	0.00
34.2	222.67	4.07	7.78	6.55	87.72	57.66	12.88	12.30	1.10	0.00	3.00	0.00
34.3	249.59	0.00	8.66	0.00	72.61	45.51	11.81	11.38	0.42	0.00	2.95	0.00
34.4	221.28	0.00	8.01	0.00	79.91	58.20	12.45	12.34	1.50	0.00	3.29	0.00
34.5	257.57	2.04	9.03	7.09	68.11	42.26	12.70	12.22	0.37	0.00	2.99	0.00
34.6	247.24	1.00	7.98	9.02	76.39	54.99	12.94	12.88	0.00	0.00	0.00	0.00
34.7	285.47	0.00	11.95	0.00	70.17	53.90	12.34	12.28	0.00	0.00	0.00	0.00
34.8	287.42	0.00	9.05	0.00	64.94	47.29	10.54	10.49	0.00	0.00	0.00	0.00
34.9	261.22	0.00	8.46	0.00	69.18	41.15	10.67	10.79	0.00	0.00	0.00	0.00
35	271.58	0.00	8.83	0.00	79.75	58.39	12.44	12.37	0.00	0.00	0.00	0.00
35.1	265.65	0.00	12.58	0.00	86.25	70.31	11.63	11.65	1.55	0.00	13.49	0.00
35.2	241.51	0.00	8.65	0.00	69.08	55.62	12.66	12.24	0.00	0.00	0.00	0.00
35.3	197.94	0.63	14.06	4.00	56.05	51.56	14.00	13.78	0.00	0.00	0.00	0.00
35.4	236.17	0.00	14.01	0.00	74.51	58.97	13.24	13.22	0.53	0.00	1.58	0.00
35.5	262.82	0.00	7.90	0.00	76.64	59.95	13.28	12.91	0.40	0.00	6.28	0.00
35.6	236.42	0.00	7.84	0.00	56.24	39.97	11.27	11.26	0.00	0.00	0.00	0.00
35.7	225.94	0.00	7.44	0.00	71.44	54.60	12.92	12.67	0.50	0.00	8.43	0.00
35.8	226.16	0.00	7.29	0.00	60.08	38.98	10.98	11.12	0.41	0.00	5.73	0.00
35.9	258.06	0.00	7.56	0.00	59.02	39.36	10.83	10.80	0.00	0.00	0.00	0.00
36	229.49	0.00	6.91	0.00	55.05	36.54	10.19	9.96	0.00	0.00	0.00	0.00
36.1	234.51	0.00	8.63	0.00	98.13	77.31	13.43	13.74	0.54	0.00	11.03	0.00
36.2	242.39	0.00	8.98	0.00	69.28	45.69	14.13	14.20	1.25	0.44	8.30	11.24
36.3	246.45	0.00	8.19	0.00	86.41	66.44	13.40	13.54	1.10	0.45	3.80	7.02
36.4	219.38	0.28	8.01	5.73	66.05	49.18	12.32	12.19	0.43	0.00	3.44	0.00
36.5	237.84	0.00	7.66	0.00	88.28	62.29	12.52	12.49	0.00	0.00	0.00	0.00
36.6	216.69	5.47	7.29	4.25	79.85	53.95	11.79	12.16	0.00	0.00	0.00	0.00
36.7	237.21	0.84	8.40	8.39	80.09	58.88	12.99	13.10	0.00	0.00	0.00	0.00
36.8	213.92	7.18	9.09	7.59	59.77	39.73	11.89	12.37	2.76	0.00	2.93	0.00
36.9	221.98	0.00	12.02	0.00	76.57	54.35	14.23	14.94	0.54	0.00	4.83	0.00
37	250.23	1.99	8.77	8.34	95.91	67.21	14.92	14.96	0.00	0.00	0.00	0.00
37.1	250.96	0.33	9.06	5.37	69.40	50.79	11.92	11.93	1.11	0.00	6.20	0.00
37.2	247.58	2.67	17.41	22.82	64.69	50.56	12.21	12.35	0.72	1.35	4.18	13.63
37.3	237.11	0.00	7.71	0.00	68.57	50.38	12.27	12.28	0.80	0.00	6.48	0.00
37.4	274.76	21.23	7.98	14.66	71.54	44.26	15.38	15.15	1.77	0.72	15.61	15.90
37.5	256.89	26.28	11.86	7.13	72.64	51.28	13.14	13.00	0.96	0.11	4.54	6.81
37.6	256.45	19.37	8.07	7.25	72.30	42.24	11.86	11.70	0.00	0.00	0.00	0.00
37.7	271.96	5.63	8.82	24.02	82.94	62.66	12.88	12.83	0.47	0.00	4.33	0.00
37.8	230.64	0.00	8.09	0.00	84.71	65.29	12.88	12.89	0.00	0.00	0.00	0.00
37.9	250.06	20.42	8.79	8.73	83.18	69.94	13.34	13.18	0.00	0.00	0.00	0.00
38	245.58	0.69	7.90	4.72	73.65	54.46	12.18	12.11	0.55	0.00	6.07	0.00
38.1	239.23	0.00	8.88	0.00	104.38	85.17	12.92	12.75	0.00	0.00	0.00	0.00
38.2	235.22	0.00	8.69	0.00	76.85	67.20	13.38	13.34	0.00	0.00	0.00	0.00
38.3	232.15	0.00	8.52	0.00	90.85	77.84	13.56	13.50	0.00	0.00	0.00	0.00

38.4	240.82	0.23	9.16	8.54	87.65	78.51	13.46	13.29	0.00	0.00	0.00	0.00
38.5	262.29	0.00	8.32	0.00	95.21	75.09	12.15	12.17	0.00	0.00	0.00	0.00
38.6	237.10	0.80	10.29	5.88	67.08	51.42	12.20	12.14	0.00	0.44	0.00	6.01
38.7	236.60	0.00	6.56	0.00	77.78	53.36	11.38	11.51	0.00	0.00	0.00	0.00
38.8	263.65	5.36	12.14	14.74	111.25	95.84	12.69	12.65	0.95	1.15	9.69	12.59
38.9	243.08	0.00	13.47	0.00	72.15	54.21	12.90	12.45	0.51	0.00	5.49	0.00
39	94.41	32.38	16.53	18.61	25.49	22.91	16.75	16.54	3.01	0.86	27.88	35.98
39.1	269.32	0.00	9.70	0.00	68.49	52.24	13.30	13.35	0.00	0.00	0.00	0.00
39.2	239.49	7.14	11.04	9.36	74.30	60.71	14.06	14.09	0.00	0.00	0.00	0.00
39.3	237.64	1.30	9.46	8.82	82.99	70.84	13.43	13.28	1.54	0.00	5.90	0.00
39.4	243.30	2.20	8.67	6.39	87.65	74.35	13.06	12.96	0.00	0.00	0.00	0.00
39.5	248.24	4.24	8.69	6.50	66.50	54.90	12.72	12.74	0.00	0.00	0.00	0.00
39.6	242.91	15.64	7.53	8.90	65.73	55.25	12.19	12.26	0.57	0.00	9.11	0.00
39.7	262.08	12.04	8.53	8.27	92.06	81.05	12.80	12.73	0.00	0.00	0.00	0.00
39.8	258.37	0.00	13.19	0.00	96.40	81.68	11.58	11.57	1.04	0.00	4.29	0.00
39.9	208.45	1.01	12.13	7.69	87.11	72.81	12.62	12.79	1.09	0.00	6.49	0.00
40	251.18	11.75	7.84	7.64	87.58	74.43	13.32	13.13	1.41	0.09	5.43	10.59
40.1	228.23	13.34	7.71	9.76	72.59	54.11	12.63	12.72	1.87	0.00	6.54	0.00
40.2	262.00	9.73	11.26	8.75	78.01	68.29	13.45	13.65	0.00	0.00	0.00	0.00
40.3	255.70	4.27	8.31	7.26	91.04	69.20	12.74	12.86	0.00	0.00	0.00	0.00
40.4	210.75	1.65	8.37	7.16	99.54	79.92	13.30	13.28	0.00	0.00	0.00	0.00
40.5	277.14	4.03	9.92	7.82	93.10	79.31	13.03	13.00	2.08	0.00	8.32	0.00
40.6	260.47	4.87	9.09	6.96	74.73	54.84	13.30	13.32	1.62	0.00	6.67	0.00
40.7	215.11	33.73	8.12	10.09	63.50	52.55	12.68	12.70	0.89	0.00	8.50	0.00
40.8	208.86	34.87	7.71	9.19	79.75	71.18	13.01	13.00	0.00	0.00	0.00	0.00
40.9	156.70	47.78	7.87	9.68	74.88	63.52	13.80	13.60	0.00	0.00	0.00	0.00
41	138.51	66.02	7.98	20.40	85.79	70.42	12.90	12.76	1.43	1.87	5.98	12.48
41.1	0.00	153.79	0.00	7.67	89.52	57.55	14.57	14.70	0.01	0.45	6.30	9.46
41.2	101.07	58.53	12.60	9.36	99.26	76.19	13.76	13.38	0.54	0.49	6.23	9.34
41.3	175.35	37.13	8.75	8.46	86.15	69.77	14.85	14.56	0.34	0.15	8.90	13.36
41.4	177.60	25.28	8.25	9.72	69.05	55.84	13.88	13.86	0.42	0.39	11.32	16.98
41.5	285.46	12.76	10.40	8.97	60.87	48.37	12.23	12.36	1.46	0.00	7.14	0.00
41.6	179.46	27.32	8.69	8.53	75.85	62.01	13.67	13.27	1.89	0.53	7.07	12.03
41.7	277.46	0.05	8.98	5.42	82.79	71.66	13.55	13.38	0.40	0.00	11.21	0.00
41.8	283.18	1.30	9.73	13.35	84.33	71.47	12.39	12.51	0.54	0.00	17.33	0.00
41.9	258.99	0.36	8.28	9.37	77.17	65.47	11.57	11.58	0.00	0.00	0.00	0.00
42	270.77	0.00	11.60	0.00	80.06	71.08	12.47	12.71	1.52	0.00	15.21	0.00
42.1	259.09	2.34	16.00	9.97	85.98	76.26	12.66	12.78	0.90	0.00	11.00	0.00
42.2	151.25	0.50	12.77	6.03	119.01	101.34	13.16	13.11	0.00	0.00	0.00	0.00
42.3	246.07	0.48	15.93	6.70	104.23	88.41	13.72	13.62	0.97	0.00	5.38	0.00
42.4	268.84	0.00	17.48	0.00	90.25	67.65	11.88	11.68	0.42	0.00	2.84	0.00
42.5	277.48	0.00	15.94	0.00	85.84	66.46	12.63	12.59	0.86	0.00	5.65	0.00
42.6	251.95	0.15	19.78	10.08	68.05	51.14	12.43	12.07	1.89	0.00	12.49	0.00

42.7	180.95	13.44	13.01	8.87	89.45	68.51	12.98	12.95	3.73	0.81	15.63	13.43
42.8	251.09	1.64	15.92	12.05	92.88	72.42	12.99	13.20	0.00	0.00	0.00	0.00
42.9	249.18	0.00	16.82	0.00	85.01	71.59	12.54	12.32	1.23	0.00	13.46	0.00
43	281.90	0.00	13.13	0.00	69.46	60.17	12.92	12.59	0.00	0.00	0.00	0.00
43.1	264.96	0.67	19.99	7.54	68.84	58.59	10.93	10.80	0.00	0.00	0.00	0.00
43.2	271.28	0.00	8.90	0.00	91.85	77.80	12.64	12.45	0.52	0.00	7.57	0.00
43.3	230.57	6.95	7.60	9.45	87.91	65.53	12.92	12.76	1.39	0.00	6.76	0.00
43.4	149.39	38.67	16.09	9.00	87.77	69.62	11.98	12.08	0.77	0.00	7.15	0.00
43.5	258.18	0.50	14.16	6.80	88.88	72.82	13.05	12.52	0.52	0.00	13.05	0.00
43.6	235.35	0.87	8.57	25.60	101.85	84.02	11.81	11.80	0.58	0.00	3.88	0.00
43.7	266.80	1.05	15.16	18.75	72.78	56.48	10.94	10.75	0.00	0.42	0.00	8.54
43.8	265.99	6.26	12.96	15.22	61.32	50.70	9.38	9.10	0.88	0.00	7.78	0.00
43.9	238.65	1.55	12.92	8.68	79.81	68.10	12.53	12.49	0.56	0.00	3.92	0.00
44	238.79	15.87	8.80	8.58	88.10	71.50	11.14	11.66	0.99	0.41	4.32	9.11
44.1	163.43	29.57	14.34	7.62	102.18	75.66	11.61	11.49	2.79	1.90	10.53	15.52
44.2	235.03	0.51	15.08	6.48	89.96	71.64	11.92	11.58	5.26	2.64	13.40	18.48
44.3	275.87	13.30	9.31	16.37	59.23	51.05	10.12	10.11	0.00	0.00	0.00	0.00
44.4	272.12	0.00	8.82	0.00	86.94	68.72	10.72	10.55	0.00	0.00	0.00	0.00
44.5	200.40	0.00	18.69	0.00	96.38	78.03	12.30	11.94	1.09	0.00	5.15	0.00
44.6	260.85	3.85	8.11	13.41	92.21	68.04	11.09	10.60	0.00	0.00	0.00	0.00
44.7	284.51	10.79	9.72	8.54	71.58	55.55	10.89	10.82	0.00	0.00	0.00	0.00
44.8	275.02	0.03	8.65	11.72	87.09	74.54	12.70	12.94	0.46	0.00	3.59	0.00
44.9	106.04	4.54	10.09	16.54	24.62	19.93	13.17	13.27	12.07	20.35	17.84	18.31
45	285.95	9.47	10.87	9.33	85.12	72.19	12.69	12.64	1.19	0.44	8.61	10.27
45.1	205.37	0.00	19.96	0.00	73.00	53.86	10.84	10.81	0.00	0.00	0.00	0.00
45.2	234.10	0.53	9.52	5.94	105.33	86.43	12.76	12.62	0.46	0.19	4.39	6.58
45.3	192.80	2.35	10.05	17.94	94.76	76.67	13.14	13.08	0.00	0.00	0.00	0.00
45.4	282.09	2.12	14.26	9.56	88.65	71.90	12.40	12.43	0.49	0.00	2.21	0.00
45.5	276.52	0.12	9.85	2.66	76.57	55.28	10.14	10.08	0.00	0.00	0.00	0.00
45.6	122.23	4.42	9.63	11.78	46.25	45.77	13.69	13.69	2.32	1.75	15.50	16.00
45.7	75.92	0.29	3.45	7.39	48.12	49.69	12.02	11.65	0.51	0.00	2.53	0.00
45.8	31.48	24.55	10.85	9.89	48.22	52.05	13.42	13.75	0.85	0.00	7.30	0.00
45.9	104.31	13.98	8.19	7.32	48.63	53.70	16.21	15.68	0.55	0.00	4.58	0.00
46	150.05	0.00	8.35	0.00	49.04	51.31	12.93	12.52	0.00	0.00	0.00	0.00
46.1	107.68	0.00	7.47	0.00	43.42	49.94	15.50	15.19	0.80	0.32	6.11	9.16
46.2	50.67	28.28	11.87	14.94	24.49	19.85	14.57	14.49	1.61	0.00	4.59	0.00
46.3	79.19	16.49	10.70	9.75	43.66	42.88	12.58	12.77	2.02	0.38	16.63	6.48
46.4	61.10	2.71	7.63	10.06	54.88	58.23	12.09	12.12	0.50	0.00	4.20	0.00
46.5	35.27	0.07	7.45	10.40	52.33	52.75	14.38	14.68	0.53	0.00	2.30	0.00
46.6	57.49	0.10	9.62	5.56	53.77	54.06	12.59	12.31	0.77	0.26	4.23	6.35
46.7	91.68	12.12	4.98	15.68	52.20	51.73	13.25	13.22	0.00	0.00	0.00	0.00
46.8	83.21	1.99	7.36	12.58	50.97	48.80	13.10	13.20	0.35	0.00	3.88	0.00
46.9	91.69	0.00	9.24	0.00	43.57	35.33	10.50	10.34	0.98	0.00	5.57	0.00

47	180.26	3.06	7.74	5.74	57.91	57.10	12.95	12.59	0.00	0.00	0.00	0.00
47.1	58.87	3.14	8.39	17.39	50.34	51.16	12.18	12.06	0.00	0.00	0.00	0.00
47.2	46.08	19.28	7.53	9.80	52.72	47.83	13.96	13.61	0.20	0.36	6.06	9.09
47.3	44.64	24.47	6.78	9.28	39.56	38.68	11.59	11.40	0.00	0.00	0.00	0.00
47.4	163.42	0.00	6.71	0.00	45.27	47.24	13.47	13.85	0.42	0.00	3.26	0.00
47.5	135.39	0.59	3.41	6.29	45.46	43.33	10.28	10.45	1.22	0.00	7.35	0.00
47.6	100.21	5.81	6.84	10.48	44.03	38.89	11.74	11.89	0.53	0.00	8.67	0.00
47.7	73.77	0.85	6.52	19.85	46.47	50.10	13.31	13.23	0.00	0.00	0.00	0.00
47.8	82.66	0.00	7.16	0.00	42.12	46.94	12.46	12.27	0.38	0.00	7.22	0.00
47.9	62.92	0.98	7.12	8.78	34.51	38.57	12.94	13.68	0.00	0.00	0.00	0.00
48	50.28	0.00	6.48	0.00	39.52	34.29	13.37	13.79	1.34	0.00	10.73	0.00
48.1	25.22	1.01	5.19	8.74	41.09	36.96	13.17	13.71	1.07	0.48	5.97	7.89
48.2	65.16	3.01	12.41	8.27	46.51	42.51	12.20	12.16	1.13	0.02	7.18	12.22
48.3	70.79	12.44	9.06	7.99	38.86	34.35	12.92	12.94	1.67	0.48	5.66	9.55
48.4	86.08	16.18	9.14	9.00	55.20	56.29	13.53	13.10	0.67	0.43	10.67	16.01
48.5	58.42	41.35	5.42	8.92	42.62	39.48	15.20	14.63	0.06	0.53	4.17	6.26
48.6	88.00	16.41	4.89	9.28	41.71	40.48	10.95	11.14	0.44	0.00	2.01	0.00
48.7	79.97	0.13	4.25	4.99	44.11	44.01	10.77	10.53	0.00	0.00	0.00	0.00
48.8	74.57	0.00	6.63	0.00	48.18	54.28	14.51	14.90	0.00	0.00	0.00	0.00
48.9	14.53	0.00	15.60	0.00	48.50	52.07	13.17	13.73	0.66	0.00	3.77	0.00
49	11.42	0.00	4.06	0.00	50.32	50.19	14.06	13.84	0.00	0.00	0.00	0.00
49.1	28.95	0.00	13.15	0.00	47.14	48.00	11.75	11.94	0.00	0.00	0.00	0.00
49.2	44.04	9.32	6.89	10.01	44.38	52.24	13.82	13.80	0.00	0.00	0.00	0.00
49.3	13.15	1.56	5.92	5.26	48.25	48.59	13.38	14.23	0.85	0.01	14.05	20.28
49.4	19.68	0.00	7.17	0.00	44.19	45.65	11.94	11.81	0.00	0.00	0.00	0.00
49.5	53.74	4.11	6.94	12.29	42.15	44.29	12.42	12.71	1.04	0.00	4.30	0.00
49.6	49.25	0.00	7.80	0.00	45.79	46.54	13.57	13.93	0.00	0.00	0.00	0.00
49.7	137.94	0.00	13.32	0.00	45.77	46.92	15.57	15.93	0.40	0.00	3.50	0.00
49.8	193.53	1.55	7.50	7.75	58.21	50.13	13.00	13.02	0.00	0.00	0.00	0.00
49.9	246.85	0.39	20.17	9.41	50.00	48.02	14.48	14.08	2.84	0.00	10.98	0.00
50	232.69	8.50	15.54	24.69	81.86	71.76	13.76	13.81	3.41	3.15	11.09	9.05
50.1	132.32	63.26	14.94	21.71	78.21	65.63	13.44	13.30	0.56	0.47	12.74	4.45
50.2	244.06	5.67	12.06	8.06	66.30	58.17	12.27	11.85	3.20	1.28	14.59	7.72
50.3	225.90	14.70	16.61	9.11	48.68	44.81	12.02	11.74	0.94	1.38	27.92	13.90
50.4	265.21	8.85	14.10	21.40	71.78	65.08	13.72	13.22	1.27	0.29	24.15	15.91
50.5	260.83	5.02	12.42	26.52	102.77	84.23	13.73	13.80	1.71	1.18	14.87	19.74
50.6	248.77	7.20	18.28	22.45	74.83	67.42	12.08	12.03	2.78	1.21	19.41	8.74
50.7	225.23	7.10	12.66	15.00	47.82	45.32	11.06	11.04	2.83	0.68	20.23	23.40
50.8	215.51	19.23	11.46	7.70	68.38	58.37	12.29	11.38	2.05	1.54	16.71	22.42
50.9	218.03	2.45	14.80	15.16	58.15	66.90	15.63	15.04	0.00	0.00	0.00	0.00
51	275.99	0.92	8.93	7.26	60.36	49.47	12.56	12.28	1.08	0.00	6.97	0.00
51.1	270.14	2.28	16.96	7.76	73.87	61.79	15.39	15.21	0.14	0.38	1.36	2.04
51.2	240.90	1.61	12.02	13.79	58.22	61.27	17.29	16.54	0.00	0.00	0.00	0.00

51.3	245.91	1.47	14.32	11.98	55.95	53.84	12.87	12.87	1.49	0.00	5.11	0.00
51.4	148.92	15.19	10.07	10.37	45.79	51.17	13.78	13.62	0.00	0.00	0.00	0.00
51.5	193.50	0.00	15.37	0.00	63.62	64.96	15.82	15.24	0.98	1.30	10.12	37.05
51.6	192.82	0.26	13.60	3.65	66.32	57.03	13.68	13.72	0.84	0.55	7.81	6.93
51.7	213.25	0.00	12.49	0.00	51.86	54.98	12.10	12.18	0.91	0.67	6.26	12.59
51.8	222.08	0.61	19.31	17.23	73.32	68.61	14.72	14.63	1.55	2.15	19.50	16.94
51.9	247.30	8.30	16.18	13.72	59.19	58.33	12.56	12.83	0.37	1.25	20.71	31.07
52	289.74	2.29	13.19	19.70	52.73	58.28	13.92	13.79	1.47	1.11	27.39	8.10
52.1	242.93	1.90	11.81	5.86	43.78	51.32	15.07	15.49	1.49	3.60	15.41	26.28
52.2	206.70	31.00	10.85	11.07	47.97	50.10	17.37	16.88	1.04	0.24	4.20	9.42
52.3	130.04	90.65	13.15	14.85	44.90	40.34	13.49	13.28	0.40	0.40	11.45	7.64
52.4	307.56	8.21	14.67	10.11	41.40	40.76	13.58	13.29	0.56	0.52	12.75	13.91
52.5	231.25	0.71	13.78	4.74	50.79	53.16	13.10	13.18	0.97	0.70	6.05	9.08
52.6	235.30	2.38	15.38	24.73	52.29	56.29	12.59	12.63	3.04	2.56	17.23	21.36
52.7	244.52	2.77	13.33	27.28	71.95	69.11	13.86	14.05	2.81	2.66	10.98	9.06
52.8	262.22	1.48	12.26	17.40	95.73	91.62	14.95	14.43	0.89	1.06	20.27	11.79
52.9	271.72	5.46	13.81	14.08	63.66	62.41	16.59	16.05	1.20	1.29	28.58	15.50
53	293.74	25.87	12.07	16.09	71.93	71.32	16.44	15.90	0.00	0.00	0.00	0.00
53.1	260.38	26.83	15.68	11.85	63.83	61.72	16.34	16.09	11.54	7.17	17.48	18.21
53.2	228.07	1.74	13.25	7.20	37.26	35.21	11.78	11.90	9.94	9.15	20.35	20.67
53.3	265.42	5.98	9.79	9.26	56.02	57.26	11.98	11.93	0.00	0.00	0.00	0.00
53.4	217.41	2.24	14.41	11.57	49.36	51.56	13.54	13.24	0.00	0.00	0.00	0.00
53.5	146.69	2.86	15.32	9.75	50.56	48.44	12.12	12.94	1.96	1.21	21.63	16.79
53.6	186.17	3.35	9.10	9.81	51.29	52.58	12.36	11.73	3.66	0.00	12.64	0.00
53.7	152.52	0.33	16.12	9.53	48.23	50.98	12.66	12.97	1.77	0.00	8.98	0.00
53.8	104.17	2.57	15.64	10.53	40.42	40.34	12.68	12.26	4.29	1.18	21.52	24.32
53.9	117.01	0.00	8.23	0.00	30.01	41.74	10.67	10.67	3.79	0.15	8.56	8.08
54	198.92	1.37	15.97	19.94	83.31	75.04	12.94	12.85	3.88	0.72	11.30	4.89
54.1	254.22	0.00	8.75	0.00	37.25	42.76	10.38	10.27	0.00	0.00	0.00	0.00
54.2	226.30	0.95	13.92	8.55	36.35	37.09	10.83	10.74	0.00	0.00	0.00	0.00
54.3	179.97	0.23	8.78	4.75	41.63	44.58	10.58	10.78	0.57	0.00	4.96	0.00
54.4	208.26	0.88	8.59	9.58	41.01	50.28	13.28	13.62	3.03	0.17	4.67	10.72
54.5	186.01	0.28	8.34	3.76	56.01	55.73	13.27	13.16	0.00	0.00	0.00	0.00
54.6	172.38	1.13	7.02	10.55	56.64	55.03	12.06	11.83	2.23	0.72	24.76	17.11
54.7	148.50	5.04	8.64	9.21	57.06	41.92	11.92	11.74	1.32	0.40	5.97	5.76
54.8	122.85	2.85	8.92	11.33	58.62	48.23	12.47	12.49	2.00	0.00	20.83	0.00
54.9	127.52	2.69	10.12	14.27	62.78	51.84	13.83	13.83	0.75	0.00	4.96	0.00
55	120.71	1.53	10.65	24.33	73.61	62.40	12.51	12.51	0.90	0.00	18.34	0.00
55.1	42.58	57.76	10.56	7.96	70.20	57.10	11.44	11.40	14.57	10.61	19.38	20.52
55.2	121.58	26.48	9.13	16.03	56.11	38.44	13.42	13.11	11.49	11.85	18.33	18.25
55.3	98.14	1.92	8.16	9.56	64.69	52.67	13.73	13.93	1.50	0.00	10.65	0.00
55.4	47.53	21.17	8.60	6.13	101.25	77.87	12.36	12.37	0.36	0.00	4.62	0.00
55.5	25.02	36.92	5.98	7.30	98.09	73.03	13.43	13.31	0.00	0.00	0.00	0.00

55.6	35.48	38.66	6.37	9.24	89.66	64.52	12.47	12.47	0.00	0.00	0.00	0.00
55.7	138.50	0.00	7.16	0.00	78.74	55.26	12.97	13.03	0.39	0.00	5.62	0.00
55.8	107.52	5.43	6.57	8.64	94.46	73.13	13.16	13.22	0.00	0.00	0.00	0.00
55.9	75.77	1.58	8.23	9.58	83.64	61.97	12.64	12.51	1.27	1.01	7.07	9.09
56	97.74	1.50	8.75	7.90	72.06	52.50	12.10	12.59	3.31	0.00	5.33	0.00
56.1	70.33	5.01	15.03	11.91	98.30	78.53	12.90	12.86	1.17	0.65	9.05	5.15
56.2	52.84	7.83	7.88	7.20	90.09	75.25	13.77	13.87	1.46	0.18	3.71	5.57
56.3	19.26	0.00	8.12	0.00	91.90	77.97	13.66	13.38	0.00	0.00	0.00	0.00
56.4	11.56	0.00	9.26	0.00	78.53	59.35	11.75	11.65	0.00	0.00	0.00	0.00
56.5	25.05	2.10	6.92	10.45	81.40	55.61	12.29	12.41	1.24	0.00	9.87	0.00
56.6	66.24	1.31	10.88	9.33	89.95	72.60	13.69	13.36	0.00	0.00	0.00	0.00
56.7	71.03	0.00	8.51	0.00	100.38	81.41	13.44	13.26	0.43	0.00	4.81	0.00
56.8	16.12	0.00	8.20	0.00	85.42	67.88	12.80	12.67	0.00	0.00	0.00	0.00
56.9	55.31	0.00	12.75	0.00	86.57	70.24	12.21	12.17	0.00	0.00	0.00	0.00
57	38.16	0.00	8.97	0.00	76.86	53.28	11.84	11.89	0.58	0.00	8.42	0.00
57.1	13.00	0.03	6.32	4.51	105.92	84.81	12.54	12.49	1.58	0.00	4.54	0.00
57.2	20.34	0.33	5.35	9.40	92.13	70.06	13.81	13.78	1.09	0.97	5.53	8.21
57.3	64.41	0.00	9.10	0.00	87.02	72.10	13.05	13.04	1.86	0.00	11.64	0.00
57.4	68.42	0.00	10.38	0.00	100.77	77.24	13.29	13.30	2.35	0.00	11.32	0.00
57.5	105.56	14.73	11.27	8.88	78.09	56.77	12.27	12.69	5.98	0.00	5.96	0.00
57.6	92.79	0.00	8.67	0.00	97.96	80.76	12.68	12.67	0.00	0.00	0.00	0.00
57.7	114.93	9.43	9.09	6.86	75.99	63.94	13.28	13.30	1.09	0.00	4.13	0.00
57.8	55.84	0.00	7.34	0.00	74.25	52.17	12.63	12.76	1.85	0.00	11.92	0.00
57.9	69.15	0.30	9.47	9.16	86.88	73.84	14.25	14.07	0.57	0.00	7.35	0.00
58	62.75	0.00	11.03	0.00	101.24	83.85	13.83	13.72	0.54	0.00	6.01	0.00
58.1	89.40	3.96	7.97	6.41	98.12	78.42	14.36	14.21	0.38	0.00	9.98	0.00
58.2	97.63	0.00	9.62	0.00	76.96	55.56	13.20	13.15	0.96	0.00	6.32	0.00
58.3	104.77	0.54	9.31	17.40	82.57	59.09	13.06	13.18	0.38	0.00	6.97	0.00
58.4	105.88	2.66	10.39	7.80	92.14	78.31	12.59	12.48	0.60	0.00	3.42	0.00
58.5	102.23	12.87	9.99	5.23	91.82	73.75	14.62	14.40	0.00	0.00	0.00	0.00
58.6	75.31	0.53	8.70	5.66	81.49	62.88	13.30	13.36	0.59	0.00	4.65	0.00
58.7	37.24	0.03	10.28	12.79	78.06	53.70	11.98	11.91	0.00	0.00	0.00	0.00
58.8	77.81	0.00	6.43	0.00	108.41	90.44	13.47	13.39	0.00	0.00	0.00	0.00
58.9	92.37	1.99	13.17	8.16	80.86	63.86	13.01	13.00	0.52	0.00	2.68	0.00
59	138.59	2.87	8.52	6.39	73.97	57.07	13.13	13.07	0.00	0.00	0.00	0.00
59.1	144.25	0.24	10.17	12.37	85.47	77.71	14.60	14.28	0.00	0.55	0.00	6.90
59.2	49.50	11.80	9.09	9.28	65.47	57.40	12.64	12.63	0.00	0.00	0.00	0.00
59.3	75.25	9.06	9.16	8.17	88.18	76.07	12.78	12.78	0.43	0.00	1.59	0.00
59.4	104.82	3.92	7.53	6.80	74.89	67.62	12.63	12.36	0.00	0.00	0.00	0.00
59.5	145.59	6.39	7.83	8.01	84.07	60.84	12.03	11.95	0.00	0.00	0.00	0.00
59.6	153.25	2.98	7.39	12.32	77.27	48.73	10.40	10.41	0.00	0.00	0.00	0.00
59.7	57.28	4.19	9.89	23.56	85.10	73.55	11.64	11.45	0.08	0.33	15.91	23.86
59.8	61.93	1.17	10.85	12.00	48.92	35.97	15.20	14.60	1.23	0.57	14.80	9.71

59.9	62.11	0.00	9.09	0.00	29.41	23.31	12.94	12.28	2.17	0.35	6.14	10.64
60	95.46	5.16	14.15	15.20	93.25	79.84	12.35	12.25	0.00	0.86	0.00	6.51
60.1	96.84	0.00	13.88	0.00	84.93	75.83	13.26	12.87	0.86	0.00	6.12	0.00
60.2	99.07	0.00	6.64	0.00	85.59	68.41	12.66	12.73	0.40	0.00	6.45	0.00
60.3	97.16	0.00	6.65	0.00	84.84	67.60	11.49	11.47	0.00	0.00	0.00	0.00
60.4	109.23	0.00	7.29	0.00	73.95	54.43	10.95	11.05	0.00	0.00	0.00	0.00
60.5	100.03	0.00	8.16	0.00	100.93	83.18	13.48	13.48	0.00	0.00	0.00	0.00
60.6	48.67	0.00	7.03	0.00	76.21	60.58	11.41	11.38	0.00	0.00	0.00	0.00
60.7	76.15	2.06	7.32	4.34	112.48	94.34	13.31	13.20	1.07	0.78	7.83	12.93
60.8	115.84	0.00	8.20	0.00	88.76	66.64	12.31	12.42	0.00	0.00	0.00	0.00
60.9	97.65	0.00	9.38	0.00	97.97	78.72	12.65	12.63	0.00	0.00	0.00	0.00
61	88.99	0.00	8.13	0.00	79.31	52.16	11.16	11.20	0.00	0.00	0.00	0.00
61.1	69.66	3.96	11.55	8.74	93.58	74.73	13.40	13.42	1.13	0.00	2.34	0.00
61.2	101.38	0.05	7.23	4.56	86.68	73.35	13.88	13.56	1.46	0.00	4.64	0.00
61.3	119.56	0.00	8.06	0.00	86.52	63.53	13.22	13.17	0.50	0.00	7.71	0.00
61.4	103.17	1.65	8.23	6.50	88.95	72.39	11.89	11.90	0.45	0.00	3.11	0.00
61.5	110.39	0.00	7.68	0.00	96.67	74.53	11.47	11.40	0.47	0.00	4.82	0.00
61.6	179.78	0.00	7.78	0.00	104.77	82.53	11.08	11.02	0.00	0.00	0.00	0.00
61.7	150.10	0.00	8.14	0.00	102.98	80.24	11.08	11.07	0.00	0.00	0.00	0.00
61.8	146.91	0.00	8.86	0.00	78.68	53.77	14.01	14.09	0.00	0.00	0.00	0.00
61.9	136.04	0.00	8.13	0.00	102.65	81.25	10.79	10.78	0.00	0.00	0.00	0.00
62	160.99	0.00	8.68	0.00	100.28	79.00	11.46	11.40	0.39	0.00	11.88	0.00
62.1	134.95	0.00	8.86	0.00	103.80	81.73	11.46	11.46	0.00	0.00	0.00	0.00
62.2	97.65	0.00	6.28	0.00	84.49	56.80	14.07	14.02	0.00	0.00	0.00	0.00
62.3	144.61	0.00	9.19	0.00	90.38	66.99	12.22	12.29	0.00	0.00	0.00	0.00
62.4	125.50	0.00	7.40	0.00	102.37	82.17	11.83	11.85	0.00	0.00	0.00	0.00
62.5	131.25	0.00	8.03	0.00	105.91	83.63	12.13	12.14	0.00	0.00	0.00	0.00
62.6	172.06	0.00	7.03	0.00	88.77	64.07	11.93	11.93	0.00	0.00	0.00	0.00
62.7	168.93	8.30	8.99	10.20	100.07	77.13	12.71	12.65	0.00	0.00	0.00	0.00
62.8	152.52	1.62	9.80	9.40	96.67	72.94	12.31	12.31	0.00	0.00	0.00	0.00
62.9	142.97	0.00	10.12	0.00	78.77	58.23	13.64	13.64	0.00	0.00	0.00	0.00
63	58.67	2.12	11.78	11.53	104.27	79.81	12.68	12.74	0.00	0.00	0.00	0.00
63.1	94.83	3.18	10.44	10.98	108.90	85.99	10.99	10.96	0.78	0.02	4.81	7.21
63.2	107.88	3.62	12.08	10.90	102.07	82.00	10.69	10.70	0.00	0.00	0.00	0.00
63.3	181.73	0.00	9.74	0.00	75.80	54.09	14.10	14.17	0.00	0.00	0.00	0.00
63.4	142.56	5.87	9.31	9.45	93.37	72.60	12.85	13.13	0.40	0.00	7.57	0.00
63.5	133.43	0.00	8.28	0.00	90.02	74.60	13.73	13.69	0.00	0.00	0.00	0.00
63.6	193.86	0.00	8.91	0.00	84.54	63.52	14.04	13.97	0.00	0.00	0.00	0.00
63.7	173.85	0.53	9.46	8.35	97.26	75.66	13.08	13.13	0.47	0.00	7.35	0.00
63.8	185.71	9.87	10.11	10.49	90.72	76.22	13.07	13.03	0.00	0.00	0.00	0.00
63.9	234.84	0.00	10.36	0.00	94.86	73.11	14.26	14.23	0.00	0.00	0.00	0.00
64	173.78	0.00	15.42	0.00	76.73	60.06	14.01	14.00	0.00	0.00	0.00	0.00
64.1	143.00	3.85	9.20	7.62	83.78	62.72	13.33	13.45	0.48	0.00	8.52	0.00

64.2	198.83	0.00	9.76	0.00	95.29	71.03	13.46	13.42	0.41	0.00	9.32	0.00
64.3	194.61	0.26	10.99	10.54	69.42	51.40	12.40	12.44	0.45	0.00	6.59	0.00
64.4	238.84	0.00	10.78	0.00	98.55	80.29	12.21	12.18	0.00	0.00	0.00	0.00
64.5	282.07	0.00	10.37	0.00	105.59	81.69	10.47	10.48	0.00	0.00	0.00	0.00
64.6	261.81	0.00	10.33	0.00	100.73	79.73	10.70	10.74	0.00	0.00	0.00	0.00
64.7	211.29	0.00	9.92	0.00	81.34	57.87	13.96	13.96	0.00	0.00	0.00	0.00
64.8	146.85	28.40	11.25	10.20	93.81	70.96	11.78	11.71	0.56	0.00	2.85	0.00
64.9	151.71	29.94	15.61	18.56	101.14	75.74	12.03	12.09	1.43	0.00	7.46	0.00
65	244.37	0.00	11.42	0.00	102.27	77.53	10.89	10.93	0.53	0.00	4.12	0.00
65.1	218.68	1.03	8.93	10.02	107.71	80.25	12.77	12.69	5.48	0.00	10.52	0.00
65.2	73.58	30.97	13.59	13.30	65.58	47.05	15.95	15.11	0.38	0.71	15.64	28.08
65.3	110.14	46.70	10.95	15.95	102.97	78.24	13.57	13.50	0.47	0.00	6.79	0.00
65.4	232.24	6.35	8.77	15.73	80.21	52.56	13.37	13.37	2.20	0.00	21.64	0.00
65.5	144.36	12.49	8.50	7.77	99.58	76.06	14.00	13.98	3.06	0.22	8.23	10.19
65.6	25.11	121.28	7.36	9.59	104.87	77.87	13.84	13.80	1.65	0.28	6.60	8.77
65.7	21.39	127.04	10.87	8.96	104.68	72.01	13.82	13.73	1.30	0.18	7.86	9.11
65.8	83.39	29.26	15.34	16.23	80.29	51.40	13.26	13.31	2.03	0.20	16.02	10.80
65.9	110.39	0.94	10.48	11.58	102.05	81.68	11.70	11.67	0.00	0.00	0.00	0.00
66	124.64	0.00	10.38	0.00	93.75	75.50	11.45	11.45	0.00	0.00	0.00	0.00
66.1	146.19	16.16	9.30	9.85	85.60	72.99	14.54	14.27	2.18	0.00	11.95	0.00
66.2	143.47	5.11	10.38	10.04	69.44	54.47	13.44	13.49	1.06	0.38	10.70	8.62
66.3	140.38	1.60	8.71	9.29	82.98	65.35	13.12	13.30	1.54	0.00	13.50	0.00
66.4	30.65	22.49	10.72	9.04	32.36	23.34	14.38	14.45	0.00	0.00	0.00	0.00
66.5	171.31	17.55	11.66	10.53	72.85	60.03	12.16	12.45	1.56	0.83	17.59	14.22
66.6	166.43	0.00	8.80	0.00	85.41	80.21	13.94	13.73	0.86	0.33	3.98	5.96
66.7	244.43	0.00	10.39	0.00	86.44	71.44	13.16	12.99	0.44	0.00	4.01	0.00
66.8	211.41	0.00	8.74	0.00	82.50	63.68	14.05	14.04	0.00	0.00	0.00	0.00
66.9	209.14	0.00	8.59	0.00	73.07	63.56	12.91	12.88	0.00	0.00	0.00	0.00
67	227.16	0.00	9.30	0.00	101.43	85.53	12.76	12.76	0.00	0.00	0.00	0.00
67.1	233.83	0.00	8.26	0.00	87.77	69.35	13.31	13.28	0.00	0.00	0.00	0.00
67.2	200.38	0.00	7.45	0.00	104.60	84.03	12.39	12.35	0.00	0.00	0.00	0.00
67.3	201.43	9.55	9.20	10.07	84.82	53.43	12.90	13.27	14.75	0.52	6.83	13.52
67.4	227.40	13.28	11.21	9.78	97.28	72.99	14.08	14.55	5.57	0.00	7.20	0.00
67.5	118.08	4.75	9.42	9.91	91.35	73.21	13.30	13.63	1.57	0.10	6.62	11.16
67.6	172.42	4.42	10.55	8.21	61.80	50.22	12.61	13.04	2.83	0.04	6.21	10.82
67.7	134.08	0.97	8.04	7.14	79.34	68.83	14.08	14.09	1.54	0.00	6.78	0.00
67.8	164.31	0.00	7.44	0.00	100.70	78.15	11.86	11.89	0.37	0.00	2.88	0.00
67.9	165.60	0.00	7.53	0.00	78.46	59.46	12.99	13.00	0.43	0.00	10.94	0.00
68	2.04	0.00	4.78	0.00	39.13	26.76	13.53	14.07	0.00	0.00	0.00	0.00
68.1	191.54	4.72	12.63	9.11	89.18	70.41	11.86	12.36	1.06	0.00	4.78	0.00
68.2	270.22	0.00	12.42	0.00	81.75	59.61	13.17	13.05	0.37	0.00	8.45	0.00
68.3	234.44	0.00	10.56	0.00	71.93	62.62	14.06	13.81	0.51	0.00	4.04	0.00
68.4	108.41	1.64	8.71	6.56	108.45	74.14	12.19	12.68	4.71	0.15	6.06	5.55

68.5	143.72	2.33	10.83	8.83	84.84	55.25	11.49	12.02	7.85	0.00	7.62	0.00
68.6	162.08	0.00	9.77	0.00	70.88	51.42	12.40	12.45	1.58	0.00	4.27	0.00
68.7	125.62	70.15	12.86	7.45	105.76	82.73	10.79	10.84	0.73	0.38	2.34	3.50
68.8	168.78	33.18	8.66	6.86	83.92	60.88	12.86	13.14	1.65	0.00	7.08	0.00
68.9	129.28	33.58	10.18	10.12	74.74	49.13	12.51	14.63	1.54	0.00	4.21	0.00
69	197.88	4.11	10.70	9.08	72.33	70.69	14.07	13.74	1.54	0.12	5.11	3.80
69.1	273.13	14.24	10.86	8.91	78.68	62.00	14.03	14.22	2.31	0.22	5.69	16.79
69.2	155.26	0.98	9.79	8.06	66.34	55.58	12.12	12.56	2.69	0.49	11.75	11.17
69.3	135.58	2.18	10.51	9.10	84.38	74.48	14.12	14.04	1.54	0.00	9.62	0.00
69.4	186.34	0.60	8.93	4.88	52.69	53.64	12.83	12.85	1.60	0.05	7.26	4.50
69.5	132.95	0.12	8.97	12.10	75.85	65.00	14.01	14.30	2.08	0.00	7.31	0.00
69.6	167.54	0.00	10.44	0.00	74.75	62.33	13.43	13.57	0.60	0.00	2.02	0.00
69.7	155.87	1.41	9.30	8.67	77.25	61.99	12.84	12.87	1.67	0.00	11.06	0.00
69.8	191.44	0.00	9.91	0.00	61.18	48.45	11.47	11.36	1.00	0.00	3.75	0.00
69.9	226.49	0.23	9.83	5.85	64.25	54.56	11.93	11.94	0.51	0.00	1.67	0.00
70	213.93	1.43	9.34	9.15	86.44	72.43	13.96	13.96	0.00	0.00	0.00	0.00
70.1	185.86	0.00	9.13	0.00	91.20	79.87	14.39	14.06	0.00	0.00	0.00	0.00
70.2	196.72	0.09	9.71	11.01	66.04	60.93	14.54	14.42	0.71	0.03	4.71	7.07
70.3	191.56	0.00	7.86	0.00	77.92	61.48	13.09	13.16	0.41	0.00	3.87	0.00
70.4	265.11	5.13	9.10	9.55	71.96	57.07	13.16	13.59	2.60	0.00	4.37	0.00
70.5	219.97	0.00	11.30	0.00	83.27	71.46	14.18	13.85	0.00	0.00	0.00	0.00
70.6	196.13	2.33	10.54	12.59	94.55	74.41	12.88	12.84	0.00	0.00	0.00	0.00
70.7	95.40	64.50	9.62	9.48	98.21	74.17	12.79	12.77	0.00	0.00	0.00	0.00
70.8	228.22	0.00	8.46	0.00	94.76	71.31	12.39	12.41	0.00	0.00	0.00	0.00
70.9	188.21	0.00	7.24	0.00	106.32	85.57	12.17	12.15	0.00	0.00	0.00	0.00
71	204.14	0.00	8.17	0.00	85.68	65.09	13.87	13.76	0.00	0.00	0.00	0.00
71.1	183.06	5.58	9.47	9.89	54.45	44.83	13.04	13.10	1.04	0.00	6.06	0.00
71.2	59.00	1.05	13.17	11.53	14.19	15.45	12.38	11.81	0.52	0.00	8.64	0.00
71.3	37.44	54.19	5.49	8.24	9.24	7.74	9.62	11.49	0.00	0.00	0.00	0.00
71.4	54.11	6.12	18.02	17.32	18.13	17.95	8.47	9.36	0.36	0.61	7.04	18.29
71.5	150.71	0.00	9.09	0.00	66.82	46.39	12.40	12.21	1.42	0.00	5.78	0.00
71.6	170.30	0.00	7.88	0.00	80.14	62.55	13.72	13.79	0.00	0.00	0.00	0.00
71.7	118.69	0.00	7.69	0.00	107.06	86.90	13.93	13.98	0.93	0.00	4.09	0.00
71.8	95.63	0.00	6.93	0.00	76.03	53.38	12.49	12.57	0.00	0.00	0.00	0.00
71.9	119.08	0.00	7.10	0.00	86.68	68.17	12.52	12.57	0.50	0.00	4.68	0.00
72	88.16	7.44	8.41	9.50	94.94	71.88	12.43	12.40	0.00	0.00	0.00	0.00
72.1	98.80	0.00	6.86	0.00	95.26	73.37	13.13	13.09	0.00	0.00	0.00	0.00
72.2	88.46	4.48	7.79	8.72	89.99	70.70	12.94	12.94	0.00	0.55	0.00	5.14
72.3	93.91	29.65	13.19	9.27	67.13	51.87	12.38	12.65	4.40	0.29	8.77	14.82
72.4	131.66	11.10	8.09	9.74	83.63	72.21	13.99	13.57	0.50	0.00	4.16	0.00
72.5	124.97	3.37	7.01	4.59	85.10	70.70	14.00	13.76	0.00	0.00	0.00	0.00
72.6	121.18	1.57	7.36	21.42	86.56	70.17	13.00	13.19	0.37	0.00	4.04	0.00
72.7	130.71	4.32	7.80	7.85	64.48	46.25	10.69	10.93	2.64	0.00	5.41	0.00

72.8	157.82	8.54	8.41	10.05	80.90	69.55	14.12	13.58	0.00	0.00	0.00	0.00
72.9	136.11	1.67	7.74	10.69	94.78	78.51	12.84	12.91	4.16	0.00	4.25	0.00
73	111.23	0.00	6.52	0.00	90.27	68.57	12.31	12.18	0.00	0.00	0.00	0.00
73.1	166.52	0.00	7.70	0.00	108.24	87.88	13.79	13.72	0.00	0.00	0.00	0.00
73.2	169.97	0.00	6.65	0.00	78.07	54.06	13.15	13.13	0.00	0.00	0.00	0.00
73.3	207.30	0.00	9.24	0.00	84.39	67.32	13.16	13.32	0.46	0.00	11.37	0.00
73.4	177.42	13.42	9.08	10.01	69.09	59.51	12.48	12.34	0.55	0.00	7.19	0.00
73.5	175.37	1.30	8.17	10.23	88.98	74.37	12.55	12.52	0.00	0.00	0.00	0.00
73.6	151.74	0.00	6.69	0.00	101.39	78.29	12.77	12.85	0.00	0.00	0.00	0.00
73.7	216.51	0.00	6.95	0.00	100.86	76.75	11.28	11.27	0.00	0.00	0.00	0.00
73.8	169.84	0.00	8.30	0.00	63.55	52.92	11.54	11.50	0.49	0.00	5.02	0.00
73.9	134.41	0.00	9.24	0.00	90.28	75.41	13.23	12.90	0.43	0.00	2.29	0.00
74	194.51	0.00	6.49	0.00	94.71	77.14	12.13	12.07	0.00	0.00	0.00	0.00
74.1	179.53	0.00	7.30	0.00	84.20	72.08	12.00	11.95	0.00	0.00	0.00	0.00
74.2	211.65	1.22	6.79	6.78	81.32	59.47	11.32	11.40	0.56	0.00	3.28	0.00
74.3	216.33	0.00	7.23	0.00	95.39	75.14	12.48	12.47	0.00	0.00	0.00	0.00
74.4	169.57	0.00	7.46	0.00	84.33	64.11	12.92	13.08	0.00	0.00	0.00	0.00
74.5	208.72	3.02	7.89	11.95	75.94	63.58	13.14	12.86	0.00	0.00	0.00	0.00
74.6	234.82	1.19	7.52	6.53	72.58	52.77	11.51	11.51	0.00	0.00	0.00	0.00
74.7	149.26	24.60	8.86	8.90	78.39	67.53	13.54	13.23	0.00	0.00	0.00	0.00
74.8	167.56	13.88	8.54	10.12	85.76	71.48	12.84	12.61	0.00	0.00	0.00	0.00
74.9	173.44	14.99	8.00	9.21	66.26	51.97	11.65	11.44	0.00	0.00	0.00	0.00
75	142.58	0.00	6.66	0.00	96.54	80.60	12.78	12.78	0.00	0.00	0.00	0.00
75.1	153.65	0.00	7.90	0.00	82.09	68.04	12.71	12.73	0.00	0.00	0.00	0.00
75.2	190.00	0.00	6.81	0.00	101.14	83.92	12.64	12.56	0.00	0.00	0.00	0.00
75.3	173.90	8.88	9.04	9.42	60.92	47.39	11.54	11.49	0.38	0.00	4.18	0.00
75.4	208.87	2.81	8.02	9.15	89.78	76.74	12.64	12.61	0.00	0.00	0.00	0.00
75.5	233.85	0.00	7.44	0.00	94.22	70.96	12.53	12.53	0.00	0.00	0.00	0.00
75.6	226.79	0.00	7.09	0.00	99.34	75.93	12.82	12.86	0.00	0.00	0.00	0.00
75.7	198.93	0.00	8.77	0.00	90.87	76.25	12.73	12.51	0.00	0.00	0.00	0.00
75.8	185.14	12.89	7.91	5.81	85.44	63.31	11.76	11.82	0.00	0.00	0.00	0.00
75.9	177.16	2.96	8.11	7.38	99.15	76.39	13.10	13.08	0.00	0.00	0.00	0.00
76	182.21	0.00	7.15	0.00	89.90	72.92	12.00	12.04	0.00	0.00	0.00	0.00
76.1	73.23	76.79	9.57	8.18	89.69	68.84	12.02	11.97	0.00	0.00	0.00	0.00
76.2	108.61	32.54	5.93	9.04	98.98	76.71	12.25	12.32	0.00	0.00	0.00	0.00
76.3	220.43	0.00	6.73	0.00	68.27	52.19	11.85	11.84	0.41	0.00	3.64	0.00
76.4	187.80	0.08	7.00	7.32	86.32	65.06	12.57	12.39	0.00	0.00	0.00	0.00
76.5	209.23	0.00	8.13	0.00	80.95	65.23	12.40	12.51	0.00	0.00	0.00	0.00
76.6	183.12	0.00	7.31	0.00	64.31	49.80	10.70	10.62	0.00	0.00	0.00	0.00
76.7	197.63	0.00	7.61	0.00	89.31	77.39	13.65	13.37	0.00	0.00	0.00	0.00
76.8	237.34	0.00	6.43	0.00	86.96	65.56	12.40	12.39	0.00	0.00	0.00	0.00
76.9	216.58	0.00	6.81	0.00	100.83	78.70	12.82	12.82	0.00	0.00	0.00	0.00
77	195.41	0.09	8.62	11.03	95.67	81.23	14.24	13.77	0.00	0.00	0.00	0.00

77.1	178.43	0.00	8.74	0.00	66.66	51.37	12.06	12.15	0.41	0.00	2.66	0.00
77.2	154.00	4.73	7.59	8.59	87.25	66.39	12.65	12.78	0.52	0.04	6.18	9.26
77.3	151.64	23.68	7.44	13.25	100.56	78.26	12.37	12.37	0.44	0.56	5.61	14.17
77.4	194.87	0.00	6.93	0.00	108.85	85.63	12.74	12.74	0.00	0.00	0.00	0.00
77.5	162.36	0.00	7.57	0.00	91.20	71.20	13.17	13.13	9.11	0.51	6.30	17.04
77.6	246.55	2.27	8.11	10.99	77.38	57.86	13.24	13.24	0.00	0.00	0.00	0.00
77.7	171.37	25.57	8.77	9.63	95.78	80.89	14.62	14.31	0.00	0.00	0.00	0.00
77.8	229.20	0.00	7.16	0.00	99.33	79.43	11.43	11.44	0.00	0.00	0.00	0.00
77.9	214.45	0.00	6.56	0.00	83.28	61.02	11.84	11.82	0.39	0.00	4.25	0.00
78	168.39	0.00	7.78	0.00	70.44	58.73	12.58	12.50	1.24	0.00	2.18	0.00
78.1	221.82	0.00	7.00	0.00	97.91	77.33	13.88	13.76	0.00	0.00	0.00	0.00
78.2	165.81	0.00	7.13	0.00	103.11	80.11	12.93	13.01	1.76	0.28	8.52	5.72
78.3	167.06	0.00	8.08	0.00	98.70	74.52	12.74	12.72	0.00	0.00	0.00	0.00
78.4	241.41	0.00	6.40	0.00	84.31	60.97	12.64	12.67	0.00	0.00	0.00	0.00
78.5	235.50	0.00	5.81	0.00	97.49	75.59	12.76	12.72	0.00	0.00	0.00	0.00
78.6	262.05	0.00	7.19	0.00	97.26	79.40	12.77	12.72	0.00	0.00	0.00	0.00
78.7	238.01	0.00	6.76	0.00	95.22	76.30	12.41	12.38	0.00	0.00	0.00	0.00
78.8	229.73	0.00	6.75	0.00	70.52	53.31	11.17	11.10	0.00	0.00	0.00	0.00
78.9	174.89	2.37	8.98	12.08	97.40	82.08	13.60	13.31	0.58	0.00	2.18	0.00
79	221.43	0.00	7.29	0.00	82.79	67.09	12.12	11.98	0.00	0.00	0.00	0.00
79.1	182.97	0.00	6.88	0.00	82.83	69.46	11.84	11.79	0.00	0.00	0.00	0.00
79.2	151.75	0.00	7.69	0.00	87.78	62.58	12.04	12.09	0.00	0.00	0.00	0.00
79.3	283.74	0.00	7.82	0.00	91.30	72.09	12.20	12.24	0.00	0.00	0.00	0.00
79.4	270.80	0.00	6.93	0.00	90.94	74.06	12.17	12.20	0.00	0.00	0.00	0.00
79.5	254.99	0.00	8.80	0.00	57.80	49.33	10.77	10.78	0.43	0.00	6.20	0.00
79.6	238.60	0.00	6.58	0.00	69.59	65.62	12.43	12.36	0.00	0.00	0.00	0.00
79.7	270.92	0.00	7.15	0.00	60.22	50.02	12.98	12.68	0.55	0.74	10.09	15.13
79.8	264.88	0.00	6.63	0.00	69.12	60.54	11.82	11.57	0.00	0.00	0.00	0.00
79.9	223.02	0.29	7.36	8.85	55.27	41.09	9.96	10.01	0.00	0.00	0.00	0.00
80	223.93	0.11	6.95	7.63	67.46	58.22	11.90	11.86	0.00	0.00	0.00	0.00
80.1	257.92	0.23	9.35	6.98	66.88	60.68	12.69	12.70	0.00	0.00	0.00	0.00
80.2	276.27	0.55	9.23	8.56	83.87	70.61	13.64	13.52	0.00	0.00	0.00	0.00
80.3	266.09	0.00	8.64	0.00	73.12	52.54	11.74	11.76	0.00	0.00	0.00	0.00
80.4	245.28	0.00	7.12	0.00	69.74	54.53	10.97	11.01	0.00	0.00	0.00	0.00
80.5	220.77	0.10	7.04	4.84	70.29	65.09	12.51	12.15	0.00	0.00	0.00	0.00
80.6	234.53	0.24	8.02	7.85	88.68	75.59	12.46	12.26	0.00	0.00	0.00	0.00
80.7	250.09	0.00	7.67	0.00	80.99	63.54	11.97	11.89	0.00	0.00	0.00	0.00
80.8	258.31	0.00	7.07	0.00	92.30	73.31	12.24	12.27	0.00	0.00	0.00	0.00
80.9	252.97	0.00	7.08	0.00	99.50	76.91	12.63	12.54	0.43	0.00	7.87	0.00
81	251.16	0.00	7.01	0.00	93.62	72.07	12.40	12.40	0.00	0.00	0.00	0.00
81.1	236.85	0.39	7.42	8.92	63.25	49.96	11.12	11.19	0.00	0.00	0.00	0.00
81.2	143.80	6.21	7.71	9.37	44.81	37.11	11.05	11.02	0.00	0.00	0.00	0.00
81.3	84.70	0.00	6.54	0.00	45.63	41.94	11.66	11.53	2.03	0.24	7.28	6.29

81.4	218.27	0.00	6.17	0.00	62.68	47.38	12.10	12.40	0.50	0.00	3.93	0.00
81.5	158.57	7.01	7.60	9.33	64.51	54.46	11.47	11.45	0.56	0.00	6.82	0.00
81.6	195.53	0.00	6.21	0.00	69.77	66.18	12.31	12.33	0.00	0.00	0.00	0.00
81.7	203.66	0.55	7.07	14.86	78.29	67.62	11.93	11.71	0.00	0.00	0.00	0.00
81.8	222.83	0.00	7.09	0.00	78.01	64.12	12.53	12.32	0.00	0.00	0.00	0.00
81.9	239.37	0.00	9.16	0.00	70.07	47.21	10.99	11.09	0.00	0.00	0.00	0.00
82	289.69	0.00	9.45	0.00	89.10	72.62	13.09	13.03	0.00	0.00	0.00	0.00
82.1	271.26	0.00	8.78	0.00	78.81	60.27	12.54	12.54	0.00	0.00	0.00	0.00
82.2	126.40	3.72	9.41	13.14	38.42	31.14	12.52	12.45	3.98	2.11	17.54	22.05
82.3	286.15	0.00	8.85	0.00	119.81	99.60	12.93	12.76	1.08	0.00	7.02	0.00
82.4	251.70	3.44	9.59	8.38	118.44	100.90	13.90	13.75	0.00	0.00	0.00	0.00
82.5	195.42	17.24	7.98	6.59	102.16	77.97	13.03	13.01	0.00	0.00	0.00	0.00
82.6	236.21	0.31	8.98	12.74	95.40	75.93	12.53	12.52	0.00	0.00	0.00	0.00
82.7	270.38	0.39	9.23	13.24	73.60	54.07	11.22	11.20	0.00	0.00	0.00	0.00
82.8	233.74	0.00	8.16	0.00	96.53	79.74	12.29	12.13	0.50	0.00	10.72	0.00
82.9	170.52	5.41	9.36	10.42	103.26	82.28	12.33	12.32	0.00	0.00	0.00	0.00
83	254.41	0.00	7.89	0.00	86.92	61.03	12.18	12.11	0.00	0.00	0.00	0.00
83.1	259.71	0.00	7.97	0.00	98.39	75.62	12.61	12.59	0.00	0.00	0.00	0.00
83.2	285.68	0.00	10.14	0.00	91.25	67.15	12.65	12.65	0.00	0.00	0.00	0.00
83.3	279.08	0.00	9.39	0.00	103.49	80.18	12.78	12.84	0.00	0.00	0.00	0.00
83.4	262.33	0.00	9.14	0.00	99.94	83.09	12.84	12.74	0.53	0.00	4.62	0.00
83.5	178.06	26.17	7.45	5.38	79.71	54.12	12.65	12.66	0.00	0.00	0.00	0.00
83.6	168.34	25.45	8.58	6.21	100.72	77.52	13.09	13.11	0.00	0.00	0.00	0.00
83.7	283.71	0.00	8.90	0.00	96.73	76.31	12.97	12.94	0.00	0.00	0.00	0.00
83.8	289.88	0.00	9.19	0.00	91.85	73.48	12.73	12.74	0.00	0.00	0.00	0.00
83.9	274.48	6.56	9.31	7.80	69.57	53.31	11.72	11.78	0.00	0.00	0.00	0.00
84	197.87	36.56	8.78	9.40	84.95	71.05	13.54	13.26	0.08	0.32	3.73	5.59
84.1	234.74	12.87	9.42	11.19	86.98	72.95	13.54	13.23	0.00	0.00	0.00	0.00
84.2	229.08	2.54	9.17	12.38	94.19	78.90	13.90	13.74	0.55	0.00	4.81	0.00
84.3	238.16	8.36	9.65	9.82	64.81	54.28	11.45	11.45	0.00	0.00	0.00	0.00
84.4	243.19	15.19	9.30	7.50	85.85	73.64	12.61	12.45	1.58	0.00	4.59	0.00
84.5	223.96	18.26	8.96	9.67	89.24	77.11	12.98	12.62	0.00	0.00	0.00	0.00
84.6	280.79	0.00	9.60	0.00	82.87	72.08	12.25	11.92	0.00	0.00	0.00	0.00
84.7	280.21	0.00	8.94	0.00	68.48	54.77	10.73	10.59	0.00	0.00	0.00	0.00
84.8	222.91	0.00	10.31	0.00	93.81	72.07	12.15	12.23	0.00	0.00	0.00	0.00
84.9	161.13	6.54	12.35	9.68	98.84	76.39	12.70	12.63	0.00	0.00	0.00	0.00
85	290.77	0.61	9.26	9.10	87.49	67.63	12.78	12.60	0.00	0.00	0.00	0.00
85.1	287.05	0.00	8.98	0.00	114.88	92.21	12.30	12.34	0.00	0.00	0.00	0.00
85.2	285.88	0.00	9.20	0.00	80.11	53.95	12.61	12.59	0.00	0.00	0.00	0.00
85.3	166.53	0.00	8.86	0.00	87.18	65.16	12.38	12.40	0.51	0.00	2.15	0.00
85.4	66.53	0.62	7.60	8.53	103.77	78.90	11.72	11.73	0.71	0.34	4.95	7.42
85.5	60.80	7.71	6.09	6.31	93.73	70.35	10.97	11.09	0.00	0.00	0.00	0.00
85.6	99.36	0.00	7.77	0.00	103.42	80.47	11.05	11.20	1.36	0.44	2.89	6.69

85.7	204.08	7.17	6.54	5.49	88.87	61.13	11.84	11.85	0.00	0.00	0.00	0.00
85.8	151.62	32.36	9.43	14.49	87.64	69.67	13.20	13.05	0.45	0.00	8.08	0.00
85.9	66.21	2.38	7.94	7.60	103.56	78.23	13.30	13.26	0.46	0.10	2.79	4.18
86	118.36	2.03	7.85	4.79	91.56	67.85	12.75	12.75	0.28	0.22	3.15	4.73
86.1	143.59	0.00	7.35	0.00	90.36	70.64	12.25	12.02	0.50	0.00	6.49	0.00
86.2	1.51	0.00	4.61	0.00	30.73	22.76	10.54	11.16	0.00	0.45	0.00	11.82
86.3	0.00	1.03	0.00	7.52	27.21	22.45	9.84	9.97	0.07	0.24	1.70	2.55
86.4	2.03	2.47	2.07	3.49	34.28	29.44	10.88	10.78	0.00	0.00	0.00	0.00
86.5	43.92	2.33	3.45	4.77	36.49	27.08	10.78	10.94	0.00	0.00	0.00	0.00
86.6	2.02	0.97	11.52	17.27	29.64	21.08	7.15	7.06	0.00	0.00	0.00	0.00
86.7	111.89	2.02	7.43	18.81	84.14	64.85	11.86	11.48	0.00	0.00	0.00	0.00
86.8	211.36	4.58	8.98	8.34	95.80	68.87	13.13	13.14	0.00	0.35	0.00	6.55
86.9	239.67	6.04	9.12	8.64	80.22	54.79	12.90	12.87	0.00	0.37	0.00	6.13
87	233.26	0.00	8.48	0.00	104.89	83.25	12.33	12.33	0.81	0.26	5.19	7.78
87.1	226.26	2.23	10.71	10.17	97.11	71.25	12.35	12.29	1.21	0.33	7.44	9.19
87.2	214.27	6.30	8.41	5.44	97.90	75.95	11.49	11.47	0.49	0.00	4.08	0.00
87.3	188.17	53.98	8.27	6.91	80.96	54.38	12.33	12.51	0.00	0.00	0.00	0.00
87.4	207.12	23.52	8.04	5.72	105.59	83.56	12.24	12.26	0.00	0.00	0.00	0.00
87.5	148.55	0.00	8.01	0.00	105.53	82.84	12.00	11.97	0.00	0.00	0.00	0.00
87.6	178.07	0.53	8.18	12.36	103.33	82.01	11.51	11.45	3.18	0.00	6.00	0.00
87.7	171.87	1.52	7.91	9.16	94.62	69.36	12.41	12.41	2.49	0.00	3.94	0.00
87.8	132.85	1.91	7.63	6.11	94.11	69.71	11.39	11.31	3.86	0.00	5.07	0.00
87.9	136.88	0.00	7.64	0.00	109.05	88.75	9.52	9.72	1.20	0.00	9.45	0.00
88	178.45	0.00	9.60	0.00	99.91	75.91	11.12	11.16	0.06	0.33	2.48	3.72
88.1	281.58	0.00	7.54	0.00	111.29	87.31	12.57	12.41	0.00	0.00	0.00	0.00
88.2	170.54	1.69	8.64	10.67	82.93	55.59	12.64	12.82	0.00	0.00	0.00	0.00
88.3	145.42	0.00	7.53	0.00	103.77	81.71	12.35	12.33	0.00	0.00	0.00	0.00
88.4	131.60	0.00	7.67	0.00	98.74	74.74	11.10	11.10	0.00	0.00	0.00	0.00
88.5	111.73	0.13	6.33	4.68	109.50	86.55	10.57	10.59	1.02	0.00	3.41	0.00
88.6	56.93	0.00	7.21	0.00	84.40	59.50	12.93	12.99	0.00	0.00	0.00	0.00
88.7	136.90	0.00	6.77	0.00	89.47	63.47	11.87	11.92	0.00	0.00	0.00	0.00
88.8	153.38	0.00	7.47	0.00	112.33	89.06	10.96	11.02	0.43	0.00	5.04	0.00
88.9	143.94	0.00	7.91	0.00	101.17	80.34	12.21	12.06	0.47	0.00	4.47	0.00
89	158.22	0.00	7.89	0.00	105.39	82.89	13.34	13.30	0.00	0.00	0.00	0.00
89.1	153.51	0.00	7.77	0.00	82.14	55.19	12.32	12.40	0.00	0.00	0.00	0.00
89.2	164.56	0.00	7.44	0.00	107.85	83.66	12.44	12.54	0.00	0.00	0.00	0.00
89.3	148.22	0.00	7.68	0.00	107.92	83.53	11.96	12.04	1.57	0.39	4.91	2.25
89.4	144.02	0.00	6.82	0.00	102.75	77.86	12.15	12.26	0.00	0.00	0.00	0.00
89.5	147.64	0.00	6.75	0.00	88.56	62.36	12.64	12.61	0.00	0.00	0.00	0.00
89.6	142.38	0.00	6.08	0.00	102.49	78.81	11.90	12.13	0.00	0.00	0.00	0.00
89.7	140.62	0.00	5.84	0.00	98.55	73.99	12.16	12.05	0.00	0.00	0.00	0.00
89.8	114.53	0.48	6.69	5.03	80.73	55.15	11.69	11.73	0.00	0.00	0.00	0.00
89.9	143.55	0.00	3.36	0.00	105.44	81.32	13.61	13.60	0.00	0.00	0.00	0.00

90	145.79	0.00	4.19	0.00	97.41	73.72	12.21	12.20	0.00	0.00	0.00	0.00
90.1	144.41	0.00	8.01	0.00	103.46	79.05	12.87	12.87	0.00	0.00	0.00	0.00
90.2	142.37	0.00	7.13	0.00	85.59	56.32	12.49	12.58	0.00	0.00	0.00	0.00
90.3	145.86	0.00	7.82	0.00	78.57	53.33	12.95	12.95	0.00	0.00	0.00	0.00
90.4	124.65	6.91	5.96	4.23	79.92	52.43	12.39	12.59	0.56	0.00	3.39	0.00
90.5	142.07	0.00	6.76	0.00	86.81	61.41	12.55	12.58	0.00	0.00	0.00	0.00
90.6	146.97	0.00	7.05	0.00	120.93	100.73	13.16	13.14	0.00	0.00	0.00	0.00
90.7	139.18	2.23	7.32	16.23	95.09	66.95	13.27	13.43	0.02	0.87	5.48	32.82
90.8	146.76	0.00	6.86	0.00	98.70	77.15	12.20	12.44	0.43	0.00	5.14	0.00
90.9	146.16	0.00	7.06	0.00	100.22	72.51	12.42	12.62	0.42	0.00	5.20	0.00
91	123.30	0.00	8.72	0.00	103.20	78.64	12.52	12.48	0.00	0.89	0.00	7.11
91.1	123.73	0.00	6.33	0.00	76.90	54.92	12.00	12.03	0.48	0.00	4.28	0.00
91.2	146.28	0.00	7.45	0.00	88.85	67.65	11.44	11.45	0.00	0.00	0.00	0.00
91.3	150.59	0.00	6.85	0.00	83.72	64.26	12.03	11.92	0.00	0.00	0.00	0.00
91.4	111.38	1.04	7.97	8.13	97.21	74.41	13.10	13.08	0.53	0.00	8.18	0.00
91.5	142.46	0.00	6.65	0.00	103.16	78.23	12.75	12.70	0.00	0.00	0.00	0.00
91.6	146.14	0.00	8.61	0.00	80.67	54.69	11.93	11.75	0.00	0.00	0.00	0.00
91.7	156.54	0.00	6.77	0.00	99.99	79.89	12.18	12.10	0.00	0.00	0.00	0.00
91.8	104.15	0.03	7.03	8.76	104.50	80.95	12.54	12.72	0.00	0.00	0.00	0.00
91.9	138.09	0.00	6.45	0.00	107.84	84.98	11.65	11.62	0.57	0.00	2.85	0.00
92	148.53	0.00	6.81	0.00	82.23	57.04	12.11	12.09	0.39	0.00	5.66	0.00
92.1	162.71	0.00	7.00	0.00	96.72	75.01	12.66	12.66	0.00	0.00	0.00	0.00
92.2	154.37	0.00	7.57	0.00	100.33	76.42	12.66	12.61	1.07	0.00	5.38	0.00
92.3	145.84	4.33	6.33	2.86	99.88	77.06	12.21	12.21	0.00	0.00	0.00	0.00
92.4	143.99	8.36	6.50	3.80	91.91	68.62	12.87	12.97	0.00	0.00	0.00	0.00
92.5	150.85	0.00	7.29	0.00	101.15	78.81	12.28	12.06	0.00	0.00	0.00	0.00
92.6	153.58	0.00	7.53	0.00	103.24	83.62	11.53	11.60	0.00	0.00	0.00	0.00
92.7	137.16	16.24	9.05	12.23	94.22	66.52	10.59	10.91	0.00	0.00	0.00	0.00
92.8	146.26	0.73	7.74	11.62	101.13	83.54	10.34	10.22	0.00	0.00	0.00	0.00
92.9	143.19	2.30	8.50	11.06	98.93	79.33	10.81	10.70	1.25	0.00	6.27	0.00
93	154.47	0.00	7.21	0.00	103.66	86.83	12.63	12.32	0.46	0.00	5.14	0.00
93.1	146.06	0.04	7.37	11.36	88.07	74.23	9.58	9.43	0.77	0.00	6.41	0.00
93.2	145.51	0.00	8.81	0.00	101.44	86.13	10.75	10.53	0.00	0.00	0.00	0.00
93.3	150.58	0.00	7.64	0.00	106.94	96.95	9.61	9.52	0.46	0.00	4.18	0.00
93.4	164.60	0.00	7.01	0.00	111.19	93.14	9.93	9.62	0.00	0.00	0.00	0.00
93.5	165.96	0.00	7.12	0.00	101.72	77.68	10.01	9.80	0.65	0.39	4.87	5.40
93.6	142.64	0.30	7.08	3.46	103.17	87.84	9.77	9.41	0.08	0.44	1.51	2.26
93.7	115.06	11.96	5.54	4.06	123.25	95.41	10.15	10.29	0.13	0.37	5.61	8.42
93.8	128.24	3.37	7.59	5.60	109.01	90.11	10.51	10.31	0.51	0.00	9.52	0.00
93.9	138.23	0.00	7.92	0.00	126.14	106.91	9.82	9.68	1.08	1.13	7.07	7.71
94	123.05	11.18	7.74	5.46	94.00	76.48	9.66	9.55	0.00	0.00	0.00	0.00
94.1	113.13	1.57	7.18	4.98	111.85	87.84	9.89	9.91	2.20	0.00	4.96	0.00
94.2	116.77	0.00	9.47	0.00	129.04	95.69	9.99	10.07	0.47	0.00	1.84	0.00

94.3	113.87	0.00	4.30	0.00	116.04	92.98	10.04	10.02	1.04	0.00	1.62	0.00
94.4	131.24	0.00	7.78	0.00	106.25	80.89	10.35	10.48	0.00	0.00	0.00	0.00
94.5	150.14	0.00	8.03	0.00	105.22	86.63	9.59	9.57	0.00	0.00	0.00	0.00
94.6	137.94	0.00	3.10	0.00	122.39	94.99	10.16	10.14	0.07	0.50	2.04	3.06
94.7	147.92	0.00	7.73	0.00	107.02	88.63	10.60	10.48	0.56	0.39	2.64	3.96
94.8	130.56	0.00	7.41	0.00	103.66	83.31	11.65	11.45	0.00	0.00	0.00	0.00
94.9	127.41	0.00	6.49	0.00	102.29	75.73	10.52	10.58	0.95	0.00	2.31	0.00
95	49.23	0.72	7.23	6.21	111.48	92.56	10.80	10.58	0.57	0.00	1.95	0.00
95.1	146.67	0.00	8.22	0.00	111.35	88.24	13.27	13.19	0.00	0.00	0.00	0.00
95.2	147.42	0.00	7.77	0.00	102.99	82.49	11.06	10.76	0.08	0.30	1.60	2.39
95.3	118.49	0.00	8.05	0.00	92.54	69.01	10.49	10.25	0.52	0.00	2.01	0.00
95.4	154.72	0.00	7.15	0.00	88.96	65.91	11.01	10.73	1.07	0.00	3.81	0.00
95.5	146.16	0.00	8.55	0.00	107.26	86.84	11.07	10.70	1.03	0.00	5.22	0.00
95.6	146.91	0.00	8.63	0.00	112.48	86.73	10.95	10.83	0.60	0.47	4.82	5.00
95.7	136.39	0.00	6.84	0.00	103.75	75.24	11.97	12.62	0.42	0.00	2.86	0.00
95.8	191.75	0.00	8.12	0.00	96.34	65.70	10.83	11.09	0.49	0.36	3.25	8.88
95.9	179.04	0.00	8.17	0.00	92.42	65.90	12.05	12.38	2.91	0.55	4.09	9.15
96	141.19	0.00	3.98	0.00	95.46	80.49	11.28	11.02	0.00	0.00	0.00	0.00
96.1	99.93	2.65	6.45	3.94	95.91	77.28	12.82	12.65	0.00	0.36	0.00	3.96
96.2	132.43	0.00	9.66	0.00	67.10	50.97	12.69	12.50	8.03	6.14	19.02	19.19
96.3	102.61	0.00	7.92	0.00	50.13	39.24	14.26	13.73	12.59	6.65	13.72	12.16
96.4	121.83	0.17	7.40	4.72	86.64	67.26	12.10	12.02	1.00	0.00	2.12	0.00
96.5	249.65	2.03	8.01	0.42	79.87	63.14	12.46	12.35	0.71	0.27	6.16	6.88
96.6	282.90	0.99	10.37	10.88	83.84	63.85	12.56	12.52	0.00	0.00	0.00	0.00
96.7	151.05	2.00	8.68	9.64	74.62	63.06	13.50	13.31	0.00	0.00	0.00	0.00
96.8	105.95	0.00	7.25	0.00	66.71	57.19	12.68	12.66	0.00	0.00	0.00	0.00
96.9	107.19	3.00	6.82	9.52	92.24	71.59	12.25	12.23	0.49	0.00	2.70	0.00
97	121.11	9.64	6.52	4.24	79.52	60.20	11.30	11.33	0.00	0.00	0.00	0.00
97.1	110.25	5.17	6.21	4.67	78.12	58.03	11.84	11.90	0.00	0.00	0.00	0.00
97.2	127.59	34.93	7.11	7.90	84.66	60.87	11.99	11.83	0.00	0.53	0.00	6.65
97.3	141.75	14.02	8.34	6.36	77.41	64.41	11.75	11.59	1.65	0.00	3.92	0.00
97.4	110.60	3.53	8.11	6.48	87.97	68.89	12.89	12.82	0.00	0.00	0.00	0.00
97.5	77.21	8.42	6.33	7.93	82.60	63.43	12.94	12.82	1.06	0.00	4.06	0.00
97.6	69.60	5.61	6.71	5.63	63.28	51.99	12.88	12.78	1.94	0.00	7.11	0.00
97.7	65.05	1.89	11.12	8.99	88.75	68.49	13.50	13.15	2.44	1.00	10.59	5.86
97.8	45.66	2.02	7.85	8.09	88.66	69.98	12.88	12.75	1.07	0.48	2.99	7.32
97.9	89.82	0.71	7.93	7.41	69.83	58.10	12.62	12.62	1.50	0.00	2.66	0.00
98	124.49	0.32	7.34	4.94	91.99	71.93	11.92	12.18	0.86	0.00	10.85	0.00
98.1	102.06	0.00	6.85	0.00	108.56	74.87	11.05	11.37	2.18	0.00	7.79	0.00
98.2	176.03	2.01	8.18	7.28	94.65	67.59	11.35	11.39	0.00	0.00	0.00	0.00
98.3	142.64	0.00	8.27	0.00	93.19	62.98	13.56	12.71	1.75	0.00	7.19	0.00
98.4	141.28	0.00	7.43	0.00	83.53	66.32	13.13	13.07	2.76	0.29	6.24	4.56
98.5	136.20	0.00	7.87	0.00	80.07	67.08	13.06	12.87	2.27	0.11	6.12	2.60

98.6	64.04	1.50	5.08	4.08	70.13	60.68	12.47	12.43	0.85	0.00	2.74	0.00
98.7	34.69	0.00	5.25	0.00	75.81	67.82	13.21	13.00	2.08	0.00	3.14	0.00
98.8	59.66	0.00	7.24	0.00	80.12	67.85	13.20	13.17	1.77	0.00	2.29	0.00
98.9	47.90	0.99	2.59	4.24	70.73	52.69	12.67	12.32	0.00	0.00	0.00	0.00
99	59.55	1.50	2.48	2.95	84.96	65.26	12.50	12.12	0.98	0.00	3.70	0.00
99.1	101.32	0.00	2.79	0.00	68.87	62.36	12.24	12.05	0.00	0.00	0.00	0.00
99.2	114.76	0.06	7.98	8.75	57.99	54.85	10.98	10.93	0.00	0.00	0.00	0.00
99.3	115.37	0.00	2.73	0.00	62.54	55.86	11.09	11.02	0.00	0.00	0.00	0.00
99.4	105.75	2.31	8.73	7.76	59.87	49.97	11.04	10.99	0.00	0.00	0.00	0.00
99.5	93.01	3.85	5.14	3.92	41.85	40.22	10.76	10.18	2.00	0.00	1.63	0.00
99.6	83.90	0.00	7.69	0.00	35.51	39.40	12.19	11.94	0.00	0.00	0.00	0.00
99.7	120.12	1.21	6.69	5.02	52.11	46.23	11.79	11.48	0.92	0.17	2.87	4.30
99.8	109.42	2.01	2.79	6.51	45.17	44.36	11.00	11.03	0.00	0.00	0.00	0.00
99.9	117.88	0.00	7.41	0.00	51.76	49.14	10.72	10.60	0.00	0.00	0.00	0.00
100	118.68	0.00	7.54	0.00	52.62	53.16	12.40	11.69	0.00	0.00	0.00	0.00
100.1	135.08	0.06	8.38	3.03	58.71	52.52	11.33	11.16	0.00	0.00	0.00	0.00
100.2	112.91	0.00	6.15	0.00	92.20	82.69	10.41	10.16	0.00	0.00	0.00	0.00
100.3	108.93	0.00	2.31	0.00	86.01	68.42	12.68	12.62	0.00	0.00	0.00	0.00
100.4	107.56	1.03	7.88	7.77	90.36	69.37	13.21	13.09	0.00	0.00	0.00	0.00
100.5	129.49	1.00	7.40	8.96	79.11	64.17	10.93	11.00	1.07	0.00	4.53	0.00
100.6	100.32	2.03	6.70	6.71	73.57	61.30	11.51	11.66	0.00	0.00	0.00	0.00
100.7	88.80	0.00	2.31	0.00	68.44	51.19	10.89	10.58	1.10	0.00	2.61	0.00
100.8	116.90	0.00	6.49	0.00	75.11	57.76	10.95	10.98	0.00	0.00	0.00	0.00
100.9	109.81	6.06	7.28	8.14	103.57	79.34	11.26	11.19	1.87	0.00	7.80	0.00
101	95.26	12.74	5.53	6.95	96.30	73.33	12.33	12.27	0.00	0.00	0.00	0.00
101.1	85.30	4.04	5.43	7.24	103.59	78.67	11.93	11.92	0.00	0.00	0.00	0.00
101.2	111.00	13.72	6.47	5.14	77.03	55.70	12.96	13.03	0.00	0.00	0.00	0.00
101.3	141.19	13.78	5.95	6.78	94.74	72.51	13.00	12.95	0.99	0.00	4.66	0.00
101.4	181.86	27.23	7.37	7.53	88.11	62.08	12.16	12.19	1.01	0.00	4.82	0.00
101.5	133.50	19.65	7.22	6.84	92.38	67.26	13.35	13.36	0.00	0.00	0.00	0.00
101.6	197.70	44.22	7.86	7.68	94.29	68.23	13.15	13.17	0.97	0.00	5.06	0.00
101.7	181.33	6.13	7.31	7.28	100.82	76.37	13.31	13.31	0.00	0.00	0.00	0.00
101.8	175.47	20.22	7.60	6.91	105.05	82.89	13.67	13.68	0.50	0.00	4.11	0.00
101.9	194.53	9.49	7.56	7.74	95.17	70.66	12.68	12.68	0.00	0.00	0.00	0.00
102	169.13	24.91	6.81	13.98	85.96	59.14	12.01	12.02	0.00	0.00	0.00	0.00
102.1	161.13	4.24	7.91	7.73	108.94	87.52	12.42	12.37	0.10	0.28	2.09	3.13
102.2	203.74	2.02	7.71	4.33	90.31	66.76	11.18	11.26	0.00	0.00	0.00	0.00
102.3	196.15	3.39	8.50	11.47	95.10	71.99	12.33	12.46	1.18	0.21	5.67	7.69
102.4	99.06	18.31	16.80	15.99	90.52	71.41	12.03	12.05	0.00	0.00	0.00	0.00
102.5	71.26	0.89	11.18	8.46	89.94	71.16	12.04	12.00	0.00	2.01	0.00	5.89
102.6	35.86	4.40	9.44	7.75	88.38	72.36	12.09	12.05	0.00	0.00	0.00	0.00
102.7	80.44	0.00	5.92	0.00	93.17	76.90	12.76	13.04	0.52	0.00	3.15	0.00
102.8	50.56	21.06	10.49	20.53	96.44	73.02	11.48	11.59	6.33	4.42	14.92	16.37

102.9	77.97	12.54	14.43	16.80	3.05	1.74	6.96	9.06	12.69	7.45	16.75	17.23
103	108.01	0.00	8.82	0.00	1.00	0.43	11.34	10.94	14.13	7.90	19.02	16.82
103.1	124.32	4.10	8.74	10.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.2	5.47	0.10	5.89	8.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.3	15.85	0.08	7.89	4.70	0.42	0.00	6.36	0.00	0.00	0.00	0.00	0.00
103.4	61.04	0.00	9.13	0.00	0.00	0.00	0.00	0.00	0.61	0.00	3.18	0.00
103.5	25.88	0.00	4.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.6	9.93	0.00	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	6.25
103.7	13.00	1.03	5.20	7.87	0.12	0.33	5.33	7.99	0.38	0.00	6.02	0.00
103.8	10.52	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.9	1.54	0.00	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	3.68	0.33	7.60	9.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.1	32.44	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.2	33.99	1.87	11.75	6.32	0.00	0.00	0.00	0.00	0.37	0.00	1.87	0.00
104.3	9.57	0.00	7.41	0.00	0.13	0.35	3.11	4.67	0.00	0.00	0.00	0.00
104.4	29.10	7.08	13.04	21.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.5	25.01	0.00	10.66	0.00	3.26	1.18	14.34	13.86	0.00	0.00	0.00	0.00
104.6	8.49	53.17	7.02	15.03	0.92	0.00	6.48	0.00	0.18	0.81	4.04	7.28
104.7	2.38	14.14	6.27	16.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104.8	18.98	7.41	5.44	15.69	0.00	0.42	0.00	4.74	0.19	1.53	4.09	6.33
104.9	28.34	3.77	8.56	19.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	13.74	0.54	3.80	7.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.1	24.99	0.84	7.53	8.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.2	6.99	0.00	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.3	33.79	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.4	30.78	0.00	9.12	0.00	0.46	0.42	3.47	8.40	0.00	0.00	0.00	0.00
105.5	17.72	0.00	9.15	0.00	0.85	0.00	3.06	0.00	0.00	0.00	0.00	0.00
105.6	19.84	0.00	12.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.7	60.68	0.00	9.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.8	78.77	0.00	7.14	0.00	0.49	0.00	2.29	0.00	0.00	0.00	0.00	0.00
105.9	41.07	0.00	9.14	0.00	0.43	0.00	2.80	0.00	0.00	0.00	0.00	0.00
106	45.85	0.00	8.30	0.00	0.40	0.00	9.01	0.00	0.00	0.00	0.00	0.00
106.1	43.66	0.00	9.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.2	45.52	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.3	11.01	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.4	26.27	0.00	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.5	54.43	0.85	11.06	15.03	0.43	0.00	1.71	0.00	0.00	0.00	0.00	0.00
106.6	151.68	0.00	12.83	0.00	2.00	2.30	18.44	18.58	0.00	0.00	0.00	0.00
106.7	53.81	0.00	9.45	0.00	60.83	47.53	11.38	11.44	0.45	0.00	9.11	0.00
106.8	89.14	0.31	7.62	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.9	126.42	0.00	7.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	75.97	0.46	7.54	7.15	0.98	0.00	15.90	0.00	0.00	0.00	0.00	0.00
107.1	44.89	0.00	10.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

107.2	23.23	0.00	9.01	0.00	0.49	0.00	1.81	0.00	0.00	0.00	0.00	0.00
107.3	12.84	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.4	46.60	0.00	6.74	0.00	0.00	0.00	0.00	0.00	2.23	0.00	6.12	0.00
107.5	40.42	0.00	10.87	0.00	8.79	0.00	2.35	0.00	1.39	0.00	5.00	0.00
107.6	32.61	1.59	11.23	6.60	0.00	0.00	0.00	0.00	0.47	0.63	3.99	5.98
107.7	36.62	1.04	7.26	14.79	2.01	0.42	4.35	11.41	0.98	0.69	3.18	4.77
107.8	6.92	9.06	9.06	12.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.9	9.02	6.81	5.90	9.12	0.00	0.00	0.00	0.00	0.42	0.00	2.74	0.00
108	7.69	0.00	7.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.1	69.51	0.00	8.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.2	12.93	0.00	4.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.3	8.18	0.00	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.4	1.44	0.64	6.18	14.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.5	3.82	40.08	3.55	6.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.6	10.08	8.19	6.99	11.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.7	16.10	0.00	4.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.8	19.99	0.72	11.20	9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108.9	20.99	26.80	5.97	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	29.10	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.1	3.56	0.00	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.2	44.59	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.55	0.00	11.02	0.00
109.3	1.48	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.4	4.87	0.05	9.24	11.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.5	3.74	2.75	7.08	10.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.6	62.42	0.73	5.96	11.54	2.46	1.47	14.68	17.00	0.00	0.00	0.00	0.00
109.7	4.02	0.00	3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.8	22.36	0.00	8.85	0.00	1.82	1.53	16.26	16.26	0.00	0.00	0.00	0.00
109.9	86.97	8.64	9.30	11.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	56.95	61.92	11.17	17.43	3.31	2.49	10.87	19.05	3.61	1.77	12.37	21.00
110.1	32.04	30.20	15.19	14.80	12.05	7.76	14.17	14.83	6.46	7.34	18.85	21.49
110.2	26.97	19.58	14.24	13.12	3.45	0.73	11.39	5.78	0.00	0.00	0.00	0.00
110.3	16.70	3.02	4.80	8.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.4	14.80	37.00	6.09	8.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.5	2.01	25.27	4.97	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.6	18.76	92.47	5.05	8.68	0.95	0.00	1.00	0.00	0.00	0.00	0.00	0.00
110.7	12.60	0.00	5.58	0.00	0.49	0.00	4.53	0.00	13.40	11.91	19.90	25.58
110.8	12.93	83.53	7.20	10.24	0.00	0.00	0.00	0.00	7.88	3.78	16.32	14.53
110.9	7.04	102.91	6.42	9.32	0.00	0.00	0.00	0.00	0.09	0.48	6.42	9.62
111	0.30	119.68	7.31	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.1	12.05	61.15	5.27	10.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.2	69.13	0.13	6.65	9.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.3	8.10	0.00	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.4	5.82	12.36	4.38	7.71	2.42	0.00	2.77	0.00	0.00	0.00	0.00	0.00

111.5	14.91	29.68	4.05	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.6	2.59	46.90	3.95	9.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.7	19.64	39.34	4.14	8.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111.8	24.90	85.68	14.54	9.38	6.95	2.42	15.52	22.39	0.54	0.00	9.08	0.00
111.9	14.56	121.82	6.25	9.55	6.61	2.32	15.16	14.26	6.34	4.08	7.29	10.60
112	34.70	70.49	8.44	10.59	5.35	1.83	7.19	8.64	0.00	0.00	0.00	0.00
112.1	67.64	40.22	8.28	9.52	3.95	0.77	11.06	7.04	0.00	0.00	0.00	0.00
112.2	73.06	63.16	9.27	9.29	0.54	0.36	4.45	8.75	0.00	0.00	0.00	0.00
112.3	26.97	8.59	13.42	10.03	4.17	1.13	9.88	5.13	0.00	0.00	0.00	0.00
112.4	6.98	0.00	7.32	0.00	6.62	1.98	17.10	15.30	0.39	0.00	5.53	0.00
112.5	0.46	0.00	8.25	0.00	7.17	2.98	13.73	13.24	0.43	0.00	7.59	0.00
112.6	0.45	0.00	3.15	0.00	3.92	1.86	15.34	12.97	0.00	0.00	0.00	0.00
112.7	16.24	51.69	5.90	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.8	43.90	41.79	5.27	7.39	3.09	0.72	8.88	7.44	0.00	0.00	0.00	0.00
112.9	24.76	0.00	12.12	0.00	0.07	0.36	7.19	10.78	0.00	0.00	0.00	0.00
113	15.61	33.37	5.81	8.40	0.98	0.31	8.22	8.29	0.50	0.00	4.06	0.00
113.1	28.10	79.22	7.35	8.69	1.93	0.37	5.00	7.80	0.00	0.00	0.00	0.00
113.2	0.00	132.24	0.00	10.05	2.10	0.36	14.69	3.58	0.00	0.00	0.00	0.00
113.3	29.07	46.22	11.05	21.92	4.49	2.66	15.45	17.45	8.48	6.86	20.50	19.20
113.4	14.12	1.55	9.06	15.03	5.40	3.14	18.63	17.59	0.00	0.00	0.00	0.00
113.5	46.41	0.27	6.70	9.35	0.65	0.76	10.64	12.42	0.62	0.52	4.87	6.83
113.6	31.49	62.89	5.61	8.77	1.80	1.92	14.26	15.68	2.33	0.00	7.44	0.00
113.7	2.41	107.94	5.32	9.91	6.85	4.36	15.53	18.63	17.60	12.43	8.99	13.57
113.8	47.64	0.15	9.10	9.04	3.18	1.53	10.28	17.51	0.00	0.00	0.00	0.00
113.9	49.04	33.05	7.65	7.23	1.30	1.53	10.25	6.38	0.00	0.00	0.00	0.00
114	26.48	88.90	8.61	8.80	0.21	0.77	14.70	22.05	0.00	0.00	0.00	0.00
114.1	115.59	12.52	9.14	8.92	2.92	1.92	16.03	15.85	0.00	0.00	0.00	0.00
114.2	66.93	0.10	9.19	10.30	1.89	1.92	12.25	12.53	0.00	0.00	0.00	0.00
114.3	101.82	0.06	7.06	10.60	4.05	4.19	15.47	17.38	0.00	0.00	0.00	0.00
114.4	13.40	0.00	8.95	0.00	1.91	2.30	21.07	23.90	0.00	0.00	0.00	0.00
114.5	22.72	50.61	7.55	8.42	3.00	0.71	12.22	12.41	0.00	0.00	0.00	0.00
114.6	4.85	132.04	5.68	7.44	0.56	0.42	5.14	5.36	1.37	1.39	7.08	10.62
114.7	15.51	23.91	7.26	7.10	2.76	2.97	16.61	19.18	0.00	0.00	0.00	0.00
114.8	31.29	43.92	7.47	7.46	2.62	3.08	14.71	15.34	0.00	0.00	0.00	0.00
114.9	13.31	90.48	4.52	6.65	1.62	2.59	22.72	24.04	0.00	0.00	0.00	0.00
115	31.10	38.23	6.06	6.80	3.04	1.56	10.80	16.97	0.00	0.33	0.00	12.72
115.1	42.61	0.24	7.25	10.80	3.48	0.78	11.27	8.70	0.00	0.00	0.00	0.00
115.2	1.01	0.00	4.54	0.00	3.39	1.92	17.65	18.69	0.00	0.00	0.00	0.00
115.3	25.92	23.67	9.64	7.64	2.23	1.58	10.25	21.63	0.09	0.48	4.56	6.84
115.4	2.03	38.80	4.51	10.77	5.20	2.22	12.25	14.43	0.00	0.00	0.00	0.00
115.5	6.19	0.00	7.63	0.00	0.18	1.24	16.89	25.33	0.00	0.00	0.00	0.00
115.6	21.60	0.83	8.63	8.02	1.29	1.49	9.64	11.25	0.00	0.00	0.00	0.00
115.7	7.24	0.43	8.77	8.69	1.23	3.08	13.64	13.60	0.37	0.00	5.54	0.00

115.8	11.86	0.30	7.95	6.93	1.55	0.42	12.50	7.50	0.00	0.00	0.00	0.00
115.9	29.99	68.64	7.99	8.30	6.09	3.52	11.80	13.42	0.00	0.00	0.00	0.00
116	14.47	19.74	5.29	7.83	3.23	3.41	16.54	15.02	0.00	0.00	0.00	0.00
116.1	18.24	0.00	9.49	0.00	3.53	1.53	15.62	12.94	0.00	0.00	0.00	0.00
116.2	116.31	19.97	9.55	7.52	4.55	1.84	13.91	16.10	0.00	0.00	0.00	0.00
116.3	2.64	99.13	4.48	7.79	15.76	7.60	17.00	18.30	0.00	0.00	0.00	0.00
116.4	28.87	66.36	5.09	9.04	3.41	2.50	9.45	14.80	0.00	0.00	0.00	0.00
116.5	25.32	20.15	5.68	7.35	0.58	0.36	3.79	5.69	0.00	0.00	0.00	0.00
116.6	16.60	62.31	4.52	7.77	0.09	0.78	9.67	7.25	0.00	0.00	0.00	0.00
116.7	0.00	0.00	0.00	0.00	2.51	0.35	11.44	7.51	0.00	0.00	0.00	0.00
116.8	41.90	59.30	5.41	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116.9	17.18	96.43	5.03	8.38	0.00	0.36	0.00	13.73	0.00	0.00	0.00	0.00
117	36.20	24.76	5.48	7.98	2.86	1.88	12.23	13.43	0.00	0.00	0.00	0.00
117.1	53.31	14.64	10.53	5.69	4.86	2.72	17.99	22.86	0.00	0.00	0.00	0.00
117.2	0.60	126.17	7.22	10.79	13.50	1.28	17.12	24.57	6.10	0.74	6.95	9.79
117.3	18.25	48.72	5.24	9.48	33.19	12.15	16.15	15.45	68.02	10.39	7.47	10.62
117.4	20.35	40.77	14.27	20.53	5.21	0.66	16.95	30.19	0.40	0.00	14.61	0.00
117.5	32.71	0.07	8.79	8.96	2.84	0.00	5.50	0.00	0.04	0.48	4.12	6.19
117.6	0.00	2.03	0.00	7.35	1.96	0.00	7.81	0.00	0.34	0.00	4.66	0.00
117.7	26.16	34.11	9.94	11.39	2.89	0.00	7.62	0.00	0.00	0.00	0.00	0.00
117.8	12.92	13.48	8.79	9.93	5.61	0.00	8.27	0.00	0.00	0.00	0.00	0.00
117.9	20.96	15.58	4.96	7.20	1.71	0.00	7.68	0.00	0.00	0.00	0.00	0.00
118	43.48	0.03	9.88	6.76	0.99	0.41	9.43	4.13	7.23	1.41	21.49	21.69
118.1	0.00	0.00	0.00	0.00	2.23	0.00	6.77	0.00	1.05	0.00	11.50	0.00
118.2	12.13	87.45	9.97	9.72	1.43	0.00	10.21	0.00	0.00	0.00	0.00	0.00
118.3	22.58	15.11	7.57	6.88	0.12	0.37	5.56	8.34	0.00	0.00	0.00	0.00
118.4	48.17	0.00	6.94	0.00	1.33	1.85	9.44	14.27	0.00	0.00	0.00	0.00
118.5	22.44	0.25	8.62	8.09	0.38	0.00	4.88	0.00	0.00	0.00	0.00	0.00
118.6	46.18	93.30	6.86	10.29	2.13	1.14	10.30	18.27	0.64	0.77	8.27	12.08
118.7	83.47	20.25	11.48	9.44	2.22	1.11	8.54	13.56	0.53	0.85	5.64	11.21
118.8	14.91	30.97	8.58	7.15	0.00	0.00	0.00	0.00	0.42	0.00	2.72	0.00
118.9	22.55	63.52	6.47	11.07	1.97	0.42	10.19	4.47	0.00	0.00	0.00	0.00
119	21.56	23.24	6.27	7.24	0.04	0.41	9.17	13.76	0.00	0.00	0.00	0.00
119.1	15.50	13.56	6.24	8.91	0.00	0.00	0.00	0.00	7.03	1.79	20.19	12.34
119.2	27.24	48.57	10.62	9.15	1.83	0.39	12.99	9.52	0.00	0.00	0.00	0.00
119.3	9.92	0.31	9.03	15.74	0.44	0.00	6.48	0.00	0.00	0.00	0.00	0.00
119.4	4.06	49.79	9.73	10.17	0.44	0.00	4.87	0.00	0.49	0.00	6.99	0.00
119.5	10.16	91.53	5.46	8.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119.6	0.00	0.00	0.00	0.00	0.81	0.00	3.33	0.00	0.00	0.00	0.00	0.00
119.7	6.42	40.51	5.21	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119.8	52.17	45.78	5.63	10.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119.9	0.00	141.86	0.00	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	16.49	45.36	6.68	10.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

120.1	12.24	0.00	7.64	0.00	0.40	1.94	15.81	29.30	0.00	0.00	0.00	0.00
120.2	11.65	0.00	9.76	0.00	1.58	2.75	15.56	19.30	0.00	0.00	0.00	0.00
120.3	61.09	0.00	6.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.4	8.14	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.5	21.91	41.25	8.56	13.00	1.30	2.47	13.22	16.46	0.00	0.00	0.00	0.00
120.6	40.55	101.25	8.11	11.23	0.66	1.14	7.08	5.26	0.00	0.00	0.00	0.00
120.7	32.23	80.83	11.15	13.81	1.06	0.83	15.20	15.87	0.00	0.00	0.00	0.00
120.8	2.49	0.00	3.33	0.00	1.16	1.13	15.12	13.11	0.00	0.00	0.00	0.00
120.9	11.52	0.00	15.18	0.00	0.20	0.79	8.51	6.38	0.08	0.37	4.18	6.28
121	7.10	0.00	18.98	0.00	5.66	8.29	19.40	19.09	0.48	0.00	7.83	0.00
121.1	11.66	110.81	5.93	9.93	1.11	1.23	6.67	13.14	0.13	0.40	16.91	25.37
121.2	10.72	0.00	11.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.3	40.74	32.09	14.40	10.25	0.99	0.00	5.24	0.00	0.00	0.00	0.00	0.00
121.4	64.94	63.56	6.39	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.5	14.92	75.06	6.12	8.34	0.37	1.47	4.48	6.78	0.00	0.00	0.00	0.00
121.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121.7	29.65	67.90	8.38	8.11	1.58	0.75	11.70	11.16	0.00	0.40	0.00	6.59
121.8	0.05	133.31	5.65	8.51	1.93	1.88	15.76	19.94	0.49	0.00	7.00	0.00
121.9	0.00	126.91	0.00	8.36	0.63	0.36	8.61	7.45	0.00	0.00	0.00	0.00
122	35.35	24.25	9.45	10.74	0.07	0.39	3.24	4.86	0.00	0.00	0.00	0.00
122.1	45.88	22.91	8.63	8.94	0.49	0.00	2.63	0.00	0.00	0.00	0.00	0.00
122.2	7.57	0.00	3.13	0.00	1.24	1.56	10.01	5.31	0.00	0.00	0.00	0.00
122.3	51.52	58.62	7.87	8.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.4	5.31	129.87	5.58	8.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	16.91	40.26	6.34	9.26	0.13	0.36	4.50	6.75	0.14	0.38	2.46	3.69
122.6	25.46	7.21	6.32	8.78	0.45	0.00	7.13	0.00	0.00	0.00	0.00	0.00
122.7	9.98	118.11	6.63	10.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.8	9.98	0.00	9.51	0.00	0.20	0.77	10.99	16.49	0.00	0.00	0.00	0.00
122.9	37.71	37.28	8.42	9.16	0.07	0.42	3.10	4.66	0.47	0.00	6.57	0.00
123	17.33	72.17	6.59	7.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.1	39.11	0.00	9.33	0.00	0.44	0.00	2.24	0.00	0.00	0.92	0.00	7.25
123.2	9.55	0.00	3.81	0.00	0.54	0.42	10.11	4.63	0.00	0.00	0.00	0.00
123.3	1.55	0.00	3.90	0.00	0.51	0.36	2.34	3.57	0.15	0.42	2.90	4.34
123.4	0.00	1.43	0.00	25.43	0.08	0.40	3.56	5.34	0.00	0.00	0.00	0.00
123.5	20.28	0.63	14.02	27.03	0.96	0.40	6.89	7.78	0.00	0.00	0.00	0.00
123.6	0.91	0.00	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.7	0.00	0.00	0.00	0.00	0.49	0.00	2.59	0.00	0.00	0.00	0.00	0.00
123.8	24.78	0.00	10.04	0.00	4.51	1.95	17.32	15.96	0.50	0.00	6.54	0.00
123.9	47.07	1.64	10.69	11.95	6.48	0.36	10.23	5.10	0.00	0.00	0.00	0.00
124	33.44	7.31	3.93	12.00	5.34	0.00	11.79	0.00	0.44	0.00	3.95	0.00
124.1	51.08	1.27	11.94	15.22	8.18	1.88	14.24	12.85	1.35	0.00	5.50	0.00
124.2	92.40	0.56	9.64	12.06	3.09	0.00	7.36	0.00	0.00	0.00	0.00	0.00
124.3	39.52	0.00	3.12	0.00	5.46	0.73	7.44	11.09	0.00	0.00	0.00	0.00

124.4	90.30	0.00	6.73	0.00	4.19	1.81	12.63	14.93	0.52	0.00	3.90	0.00
124.5	77.64	0.00	9.66	0.00	4.85	0.41	8.43	6.54	0.00	0.00	0.00	0.00
124.6	122.84	43.32	8.52	8.85	11.08	0.75	9.05	9.90	0.50	0.00	3.60	0.00
124.7	31.17	30.29	9.57	6.09	0.46	0.00	4.61	0.00	0.00	0.00	0.00	0.00
124.8	108.73	26.21	9.16	10.33	0.82	1.56	7.20	15.56	0.00	0.00	0.00	0.00
124.9	125.60	24.68	8.96	10.56	0.33	1.18	10.35	8.67	0.00	0.00	0.00	0.00
125	52.20	28.45	9.40	10.52	0.95	0.00	3.68	0.00	0.00	0.00	0.00	0.00
125.1	35.07	0.00	9.92	0.00	1.51	0.36	3.26	3.11	0.00	0.00	0.00	0.00
125.2	27.39	76.29	6.90	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.3	59.57	84.29	13.31	10.42	1.63	0.80	16.45	16.93	0.00	0.00	0.00	0.00
125.4	50.27	16.48	16.25	11.74	2.01	1.08	9.82	14.06	0.51	0.00	3.31	0.00
125.5	88.04	41.67	10.48	12.48	1.27	1.13	14.06	13.53	0.00	0.00	0.00	0.00
125.6	58.00	1.82	8.02	11.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.7	27.82	74.49	10.80	11.30	0.45	0.00	2.63	0.00	0.00	0.00	0.00	0.00
125.8	34.64	51.17	9.54	11.27	0.89	0.00	9.17	0.00	0.00	0.00	0.00	0.00
125.9	30.33	104.08	14.28	9.40	0.10	0.76	4.42	13.27	0.00	0.00	0.00	0.00
126	81.27	75.28	9.65	15.71	26.17	16.18	13.60	15.37	0.41	0.00	5.77	0.00
126.1	142.63	3.55	14.27	6.57	15.30	5.24	11.94	10.97	0.64	0.34	6.51	8.32
126.2	107.74	62.30	8.32	7.72	1.42	0.00	4.29	0.00	0.00	0.00	0.00	0.00
126.3	88.17	22.55	12.78	11.14	2.34	1.87	10.06	18.33	0.60	0.45	13.80	11.82
126.4	20.58	0.00	11.39	0.00	2.10	0.73	11.59	11.47	0.48	0.00	3.42	0.00
126.5	94.57	25.42	9.90	9.91	3.63	1.85	9.80	13.75	1.02	0.00	6.87	0.00
126.6	86.81	31.08	8.90	9.67	2.37	2.66	14.31	15.57	0.00	0.00	0.00	0.00
126.7	35.13	66.88	7.77	9.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126.8	70.85	28.81	9.50	8.79	4.85	0.42	9.02	9.10	0.00	0.00	0.00	0.00
126.9	0.00	118.14	0.00	9.28	0.99	0.37	7.62	3.83	0.00	0.00	0.00	0.00
127	0.00	132.23	0.00	7.72	0.54	0.43	2.96	4.01	0.00	0.36	0.00	5.24
127.1	16.22	65.82	8.95	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.2	12.12	0.00	8.08	0.00	0.00	0.00	0.00	0.00	0.37	0.00	2.75	0.00
127.3	60.67	72.05	6.51	8.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.4	33.83	29.62	8.71	8.44	1.32	0.00	3.09	0.00	0.00	0.00	0.00	0.00
127.5	17.86	0.53	3.13	7.23	7.14	2.43	4.47	6.47	0.90	0.00	3.77	0.00
127.6	28.99	22.38	9.49	20.66	8.35	5.27	19.20	18.27	0.00	0.46	0.00	8.75
127.7	0.00	103.13	0.00	9.43	4.40	2.35	7.96	14.59	0.00	0.00	0.00	0.00
127.8	45.58	50.39	6.99	9.67	3.73	2.03	11.61	10.30	0.00	0.00	0.00	0.00
127.9	17.75	81.97	6.59	8.41	1.69	1.12	7.01	12.95	0.00	0.00	0.00	0.00
128	34.10	21.11	6.28	8.89	2.37	0.37	7.56	4.71	0.00	0.00	0.00	0.00
128.1	11.73	1.47	8.04	7.65	1.92	0.00	9.32	0.00	0.00	0.00	0.00	0.00
128.2	4.18	84.43	5.51	8.15	0.96	0.00	5.81	0.00	0.00	0.00	0.00	0.00
128.3	17.65	8.35	8.21	9.84	0.78	0.00	4.19	0.00	0.00	0.00	0.00	0.00
128.4	6.38	0.00	16.72	0.00	1.81	0.00	3.34	0.00	0.00	0.00	0.00	0.00
128.5	27.56	63.62	5.88	8.90	2.38	0.00	2.77	0.00	0.00	0.00	0.00	0.00
128.6	32.95	26.27	7.62	6.87	4.77	0.33	9.06	5.10	0.45	0.00	2.94	0.00

128.7	16.53	2.49	8.68	6.73	7.43	1.03	9.60	7.96	0.52	0.00	6.35	0.00
128.8	21.40	50.74	6.65	13.77	15.65	9.28	11.41	15.29	0.65	0.38	3.93	5.89
128.9	99.15	14.78	11.91	11.75	12.96	9.08	10.40	8.05	0.66	0.39	3.69	4.37
129	33.98	8.56	5.23	4.88	13.47	7.59	16.26	6.88	0.46	0.10	2.81	4.22
129.1	0.00	0.00	0.00	0.00	9.66	6.40	7.08	9.02	36.54	31.14	15.38	15.71
129.2	113.63	0.15	16.68	6.78	6.54	3.77	12.95	11.21	35.04	24.35	17.23	18.07
129.3	256.52	0.00	11.84	0.00	0.38	0.00	13.08	0.00	0.00	0.00	0.00	0.00
129.4	140.89	60.86	11.85	8.66	0.00	0.37	0.00	10.28	0.00	0.00	0.00	0.00
129.5	96.22	47.31	13.42	11.61	0.00	0.00	0.00	0.00	0.64	0.97	5.92	8.88
129.6	160.35	11.65	8.82	5.10	0.40	0.00	2.79	0.00	0.00	0.00	0.00	0.00
129.7	175.96	6.41	9.51	5.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129.8	178.36	1.83	14.85	10.69	0.85	0.00	22.09	0.00	0.53	0.56	13.22	8.35
129.9	50.10	4.66	17.41	19.81	0.49	0.00	3.94	0.00	0.00	0.00	0.00	0.00
130	136.04	4.07	15.43	13.45	0.00	0.00	0.00	0.00	1.10	0.53	7.55	11.32
130.1	152.80	30.03	14.79	5.34	0.45	0.00	3.14	0.00	1.48	0.53	10.24	7.32
130.2	58.51	20.78	9.26	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.3	136.22	6.22	9.19	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.4	108.00	2.16	13.00	3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.5	43.59	32.56	14.98	15.52	0.34	0.00	5.51	0.00	0.42	0.00	17.82	0.00
130.6	9.94	6.55	13.27	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.7	83.33	75.90	14.01	16.39	43.24	29.81	12.55	12.87	2.43	3.03	16.02	15.12
130.8	108.31	9.24	6.56	8.47	89.53	70.73	13.48	13.76	0.57	0.00	14.01	0.00
130.9	85.12	0.00	16.08	0.00	94.05	70.61	13.21	13.35	0.00	0.00	0.00	0.00
131	34.14	4.13	24.63	10.37	36.72	28.21	12.62	13.78	19.37	14.29	14.12	13.73
131.1	165.05	10.12	8.00	5.66	78.79	51.67	12.28	12.83	4.12	1.63	14.38	15.41
131.2	136.41	3.01	8.66	10.74	99.68	74.36	12.82	12.73	0.39	0.00	2.71	0.00
131.3	152.42	0.00	10.41	0.00	96.21	72.58	10.66	10.54	0.00	0.00	0.00	0.00
131.4	276.51	0.00	9.25	0.00	94.17	68.26	12.36	12.54	2.28	0.00	8.09	0.00
131.5	13.29	0.00	11.05	0.00	30.31	23.49	12.23	12.92	0.55	0.00	3.67	0.00
131.6	79.55	0.00	14.49	0.00	93.50	69.90	12.24	12.05	0.58	0.34	5.60	4.39
131.7	57.00	0.00	2.35	0.00	80.56	57.78	11.04	11.07	0.00	0.00	0.00	0.00
131.8	42.87	0.00	7.49	0.00	97.93	79.62	12.85	12.76	0.48	0.41	4.17	2.29
131.9	37.39	0.00	7.77	0.00	99.86	76.82	12.81	12.79	0.34	0.00	2.75	0.00
132	12.15	0.00	7.29	0.00	99.27	76.78	11.80	11.67	1.15	0.00	6.77	0.00
132.1	27.13	6.13	6.39	11.04	100.53	81.88	11.99	11.98	0.00	0.00	0.00	0.00
132.2	37.65	1.22	6.28	9.96	78.11	55.14	11.26	11.32	0.36	0.00	2.06	0.00
132.3	44.02	0.00	5.47	0.00	102.72	80.53	12.09	12.07	0.00	0.00	0.00	0.00
132.4	62.30	0.00	5.32	0.00	98.00	73.58	12.16	12.21	0.84	0.00	1.99	0.00
132.5	37.36	0.00	2.08	0.00	101.01	83.40	12.24	12.16	0.35	0.00	2.78	0.00
132.6	82.23	0.06	2.30	3.71	79.95	56.07	11.57	11.46	0.38	0.77	2.48	3.77
132.7	78.79	0.00	5.52	0.00	97.11	76.47	13.23	13.18	0.14	0.39	1.14	1.71
132.8	78.05	0.31	12.24	3.08	102.71	81.23	12.15	12.20	0.00	0.00	0.00	0.00
132.9	44.16	28.07	7.87	8.82	77.90	65.76	13.63	13.18	0.48	0.51	7.74	4.42

133	138.99	0.49	5.02	7.75	99.18	76.69	12.87	12.91	0.00	0.00	0.00	0.00
133.1	128.38	17.89	6.28	11.18	82.96	57.45	11.82	11.87	0.44	0.00	3.55	0.00
133.2	100.60	18.92	14.34	15.43	106.26	82.53	12.09	12.21	1.37	0.00	3.50	0.00
133.3	38.79	0.00	10.04	0.00	87.71	69.78	13.11	13.16	0.00	0.00	0.00	0.00
133.4	5.48	0.00	2.48	0.00	125.82	102.45	12.77	12.76	0.00	0.00	0.00	0.00
133.5	2.01	0.00	3.35	0.00	95.29	71.18	12.39	12.38	0.00	0.00	0.00	0.00
133.6	25.15	0.00	3.30	0.00	88.76	63.95	12.48	12.62	0.00	0.00	0.00	0.00
133.7	2.77	0.00	3.28	0.00	97.04	75.67	13.01	12.92	0.00	0.00	0.00	0.00
133.8	5.02	0.00	5.89	0.00	104.40	80.90	13.00	12.95	0.00	0.00	0.00	0.00
133.9	21.09	10.16	18.70	19.69	22.50	17.96	12.11	12.31	17.22	15.42	14.55	16.22
134	0.00	0.00	0.00	0.00	1.70	0.34	7.51	1.52	21.34	15.83	9.40	9.37
134.1	6.31	1.43	6.07	11.99	104.29	83.72	12.44	12.41	8.65	5.49	11.11	17.32
134.2	62.95	5.30	9.43	8.07	124.16	99.55	12.56	12.52	0.00	0.00	0.00	0.00
134.3	105.51	74.99	12.73	13.98	92.05	69.34	12.41	12.41	0.00	0.00	0.00	0.00
134.4	92.07	65.76	7.00	8.82	86.23	69.71	13.04	12.70	0.60	0.46	4.04	6.95
134.5	280.31	3.81	7.54	7.91	103.49	77.68	11.86	11.80	0.55	0.00	1.57	0.00
134.6	254.04	3.56	7.32	3.44	88.44	66.94	11.51	11.37	0.00	0.00	0.00	0.00
134.7	27.59	2.49	8.55	12.33	34.27	25.64	15.97	15.80	0.00	0.00	0.00	0.00
134.8	211.54	21.31	14.90	10.17	3.55	0.29	18.09	10.51	1.43	0.77	10.88	12.57
134.9	30.63	114.28	13.20	8.70	4.85	0.00	12.53	0.00	1.54	0.55	6.54	5.96
135	144.55	84.53	18.56	17.33	8.43	2.50	18.12	7.55	6.33	1.92	15.41	8.11
135.1	130.41	49.98	13.92	10.00	7.25	0.00	15.34	0.00	1.17	0.78	9.31	9.66
135.2	169.69	111.16	18.40	16.08	14.96	9.04	10.78	10.29	0.45	0.00	4.15	0.00
135.3	142.33	36.33	15.83	14.39	13.69	6.87	13.41	8.92	1.40	0.00	8.42	0.00
135.4	148.53	24.26	13.14	14.83	4.48	1.13	15.12	17.46	0.52	0.00	13.07	0.00
135.5	137.84	45.84	16.26	12.29	2.55	0.35	8.85	7.49	1.12	0.00	8.21	0.00
135.6	155.56	60.08	15.12	15.43	2.39	0.37	8.83	7.30	0.40	0.00	3.40	0.00
135.7	185.01	56.93	14.98	16.73	5.39	2.31	22.25	30.72	5.47	0.66	8.09	9.68
135.8	125.77	84.12	16.89	8.55	2.26	0.34	11.86	7.72	0.48	0.00	4.73	0.00
135.9	190.99	42.39	14.80	12.24	1.17	0.00	7.20	0.00	0.48	0.00	5.99	0.00
136	220.33	44.72	15.24	9.94	0.44	0.00	3.92	0.00	0.00	0.00	0.00	0.00
136.1	228.85	7.14	14.45	15.17	1.86	0.00	8.88	0.00	0.00	0.41	0.00	5.28
136.2	142.88	21.91	16.68	15.85	4.13	0.00	16.67	0.00	1.60	0.05	8.87	4.88
136.3	81.23	33.66	14.78	17.37	2.98	1.14	17.49	22.10	4.31	0.04	14.15	4.40
136.4	76.70	4.10	16.33	16.62	2.73	0.26	11.17	6.63	24.39	15.90	16.02	16.64
136.5	95.41	4.70	12.13	14.83	1.53	0.00	8.60	0.00	0.45	0.00	3.84	0.00
136.6	96.22	4.18	13.58	9.37	3.99	0.66	11.88	4.32	0.00	0.00	0.00	0.00
136.7	154.22	1.97	16.24	17.43	5.21	0.78	9.12	16.08	1.81	1.00	3.64	6.00
136.8	51.31	99.56	15.40	8.39	2.42	2.06	3.65	5.64	0.00	0.00	0.00	0.00
136.9	129.74	62.10	13.83	14.38	9.31	0.36	13.33	4.27	0.95	0.00	7.88	0.00
137	90.08	35.59	16.91	13.34	10.00	0.65	13.22	5.26	5.10	0.51	13.34	10.18
137.1	126.88	55.26	15.25	15.70	9.52	1.65	12.52	14.36	5.31	1.07	12.00	10.32
137.2	153.08	6.37	15.12	17.46	9.85	0.41	14.30	5.20	4.22	1.23	16.20	7.76

137.3	168.41	20.22	15.90	15.84	9.51	1.27	13.75	10.14	7.58	1.17	11.35	10.02
137.4	169.42	16.82	15.51	12.11	4.73	1.32	8.72	6.01	7.88	1.30	13.70	6.70
137.5	226.92	13.23	16.95	14.53	6.19	0.99	14.24	7.59	5.93	0.89	12.13	10.15
137.6	251.15	19.03	18.88	16.29	16.51	0.90	14.75	13.23	10.91	1.74	15.79	11.45
137.7	202.64	3.78	18.66	14.82	10.96	0.42	16.27	4.73	2.84	0.49	15.44	6.82
137.8	215.27	0.27	15.13	4.98	4.26	0.94	12.44	5.96	1.21	0.00	4.38	0.00
137.9	199.69	3.41	18.41	8.38	10.81	0.00	16.90	0.00	5.28	0.00	11.09	0.00
138	169.56	6.19	16.89	19.09	7.20	0.00	14.13	0.00	5.12	0.12	4.81	6.85
138.1	199.91	8.11	14.56	17.11	12.91	0.41	17.32	5.37	8.46	1.59	11.92	21.64
138.2	83.39	8.80	13.72	11.01	7.36	1.83	14.45	15.35	1.15	1.14	8.85	9.31
138.3	175.74	4.61	19.85	12.19	3.96	0.00	17.21	0.00	1.61	0.76	11.92	6.80
138.4	151.45	0.00	16.64	0.00	2.71	0.00	12.30	0.00	0.40	0.00	5.19	0.00
138.5	80.41	0.20	11.52	8.86	0.48	0.00	5.78	0.00	0.00	0.00	0.00	0.00
138.6	77.99	0.00	14.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.7	132.66	2.44	16.24	6.53	0.35	0.00	7.25	0.00	0.42	0.00	4.98	0.00
138.8	121.31	3.61	15.67	6.75	0.99	0.00	11.12	0.00	0.52	0.00	2.20	0.00
138.9	148.34	0.28	17.13	5.43	1.45	0.00	7.88	0.00	0.54	0.00	2.59	0.00
139	165.90	0.25	16.48	9.68	0.80	0.00	13.20	0.00	0.00	0.00	0.00	0.00
139.1	123.21	3.55	15.53	5.41	1.41	0.42	3.67	4.36	0.69	0.31	4.51	6.76
139.2	169.71	0.47	19.00	8.99	0.00	0.00	0.00	0.00	0.37	0.00	3.31	0.00
139.3	127.76	29.76	16.61	15.28	8.28	2.10	13.81	12.37	17.32	9.61	16.14	16.59
139.4	207.68	12.50	17.04	13.80	2.71	0.80	10.67	10.97	2.43	0.77	10.24	7.42
139.5	169.44	4.69	15.88	7.48	2.26	0.00	14.26	0.00	0.53	0.00	2.07	0.00
139.6	132.70	4.84	17.96	19.18	3.31	0.00	15.85	0.00	2.00	0.07	14.01	2.80
139.7	132.93	4.36	14.96	13.37	1.00	0.00	4.86	0.00	0.66	0.09	9.81	5.68
139.8	104.91	0.02	8.93	9.20	1.81	0.00	4.39	0.00	0.94	0.00	5.34	0.00
139.9	34.42	5.10	11.46	7.12	0.48	0.00	6.32	0.00	1.17	0.00	4.11	0.00
140	9.54	16.39	9.83	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.1	65.20	0.00	6.54	0.00	0.48	0.00	3.92	0.00	0.46	0.00	7.51	0.00
140.2	102.82	0.00	11.33	0.00	0.00	0.00	0.00	0.00	0.83	0.00	6.18	0.00
140.3	37.38	0.42	11.68	4.76	0.36	0.00	3.30	0.00	1.46	0.20	1.62	2.29
140.4	94.31	0.38	11.08	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.5	54.70	0.52	14.14	7.82	0.00	0.00	0.00	0.00	0.14	0.86	16.01	12.01
140.6	85.99	0.00	8.16	0.00	0.52	0.00	3.11	0.00	1.87	0.12	4.89	6.91
140.7	111.33	0.95	11.66	4.91	0.50	0.00	3.52	0.00	0.00	0.00	0.00	0.00
140.8	90.49	1.86	11.37	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.9	114.33	0.24	11.03	5.66	0.37	0.00	5.47	0.00	1.13	0.00	2.43	0.00
141	71.28	15.81	12.64	13.24	2.68	0.00	9.42	0.00	13.24	8.17	15.56	18.89
141.1	60.46	0.00	11.16	0.00	0.47	0.00	5.12	0.00	0.00	0.00	0.00	0.00
141.2	55.08	0.00	4.07	0.00	0.90	0.00	6.77	0.00	0.00	0.00	0.00	0.00
141.3	28.85	0.00	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.4	44.33	0.00	7.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.5	79.62	0.00	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

141.6	98.67	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.98	0.07	3.17	4.76
141.7	90.69	0.00	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141.8	54.72	0.04	9.49	6.82	0.00	0.00	0.00	0.00	1.34	0.00	8.13	0.00
141.9	3.02	0.00	9.63	0.00	0.92	0.00	7.43	0.00	0.00	0.00	0.00	0.00
142	11.85	0.41	8.98	7.91	0.40	0.00	8.15	0.00	0.09	0.86	3.49	5.24
142.1	25.57	0.40	13.38	4.10	1.37	0.00	3.91	0.00	0.41	0.00	3.34	0.00
142.2	4.78	0.00	15.65	0.00	0.00	0.00	0.00	0.00	1.08	0.00	2.83	0.00
142.3	9.26	0.00	13.54	0.00	0.00	0.00	0.00	0.00	0.08	0.44	2.42	3.63
142.4	3.59	0.94	2.85	6.83	0.39	0.00	6.20	0.00	0.00	0.00	0.00	0.00
142.5	16.04	0.00	6.72	0.00	0.00	0.00	0.00	0.00	0.09	0.40	3.48	5.22
142.6	2.10	0.92	7.74	4.07	0.00	0.00	0.00	0.00	0.52	0.00	2.71	0.00
142.7	0.52	0.00	2.28	0.00	0.00	0.00	0.00	0.00	0.52	0.00	2.91	0.00
142.8	0.00	0.41	0.00	10.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.9	4.62	0.48	7.11	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	11.08	0.00	8.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.1	3.40	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.43	0.00	3.91	0.00
143.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.3	2.52	0.00	5.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.4	9.87	0.00	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	9.63
143.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.6	2.68	0.13	7.75	7.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.7	5.50	0.00	10.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.8	1.92	0.00	3.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143.9	0.91	0.93	8.17	6.18	0.00	0.00	0.00	0.00	0.87	0.21	4.66	7.00
144	0.97	0.00	10.58	0.00	0.34	0.00	5.05	0.00	0.00	0.00	0.00	0.00
144.1	3.54	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.2	0.52	0.00	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.3	0.47	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.4	2.75	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.62	0.00	4.33	0.00
144.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.6	0.92	0.00	4.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.7	0.97	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	3.05	0.00	6.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.1	6.30	0.00	10.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.2	8.04	0.00	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.4	2.44	0.00	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.5	3.53	0.00	6.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.6	28.79	0.00	7.00	0.00	0.43	0.00	3.79	0.00	0.30	0.23	4.97	7.46
145.7	94.99	4.27	8.85	6.27	0.39	0.00	4.37	0.00	3.03	0.98	13.62	11.74
145.8	55.23	11.20	5.41	6.06	0.00	0.00	0.00	0.00	3.27	0.00	5.82	0.00

145.9	63.77	9.33	5.85	7.51	1.71	0.00	4.21	0.00	8.75	0.26	7.60	8.36
146	31.90	0.00	8.29	0.00	1.83	0.37	11.92	4.23	3.38	0.00	9.98	0.00
146.1	76.70	2.94	8.29	13.92	0.00	0.00	0.00	0.00	5.40	0.00	14.97	0.00
146.2	76.43	18.61	10.64	6.89	0.99	0.43	5.07	14.24	0.59	1.04	6.60	5.01
146.3	84.44	0.00	8.39	0.00	1.29	0.41	5.25	7.40	5.50	0.00	10.35	0.00
146.4	82.99	14.86	9.07	7.04	2.32	0.42	4.59	6.99	4.55	0.00	8.68	0.00
146.5	98.54	21.53	6.94	7.05	3.49	2.01	5.46	7.23	6.59	0.11	6.97	16.22
146.6	61.70	3.73	4.65	6.18	0.61	0.36	9.65	10.37	0.36	0.98	3.57	5.54
146.7	73.92	2.02	8.61	14.26	2.26	1.79	15.13	12.63	1.93	0.08	11.08	22.11
146.8	98.87	28.65	14.23	15.26	21.76	12.21	15.53	13.67	1.52	2.69	14.56	12.25
146.9	182.51	3.12	13.95	8.91	5.83	1.95	18.77	12.39	1.69	1.44	12.88	11.61
147	73.15	0.52	7.20	8.09	8.15	2.26	13.75	13.41	0.54	1.54	7.48	8.09
147.1	15.52	7.45	14.10	8.10	17.94	10.17	15.37	15.39	4.70	0.93	21.20	11.25
147.2	75.78	33.62	14.44	14.68	22.19	17.15	17.38	17.17	0.56	3.21	15.32	13.19
147.3	221.05	87.54	9.33	12.93	36.68	25.00	10.62	10.77	4.00	0.00	7.56	0.00
147.4	134.67	54.28	13.26	15.44	45.07	37.78	14.65	15.44	5.29	0.94	14.41	16.62
147.5	116.53	90.95	13.62	17.84	23.69	19.42	22.71	21.70	10.96	4.26	22.23	25.61
147.6	103.28	81.41	12.16	16.93	7.91	6.30	19.00	19.14	5.97	1.37	8.64	21.32
147.7	49.38	50.85	5.43	9.26	10.71	9.98	14.47	15.14	7.40	0.00	7.97	0.00
147.8	15.47	26.00	9.58	8.88	22.82	14.08	11.63	11.46	42.45	1.41	8.69	11.34
147.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	50.63	0.00	7.93	0.00	8.64	3.21	12.68	7.25	1.10	0.00	5.70	0.00
148.1	15.65	51.10	13.88	17.73	2.37	1.90	10.89	9.48	0.85	0.00	4.56	0.00
148.2	94.95	1.99	10.83	7.99	3.19	0.00	8.82	0.00	0.00	0.00	0.00	0.00
148.3	96.78	2.05	10.09	7.76	10.37	1.08	9.96	9.23	0.35	0.00	6.67	0.00
148.4	172.54	32.64	11.71	10.93	26.44	19.46	14.30	13.50	0.64	0.46	8.07	9.29
148.5	42.07	136.49	12.17	10.97	3.52	3.09	8.79	9.38	0.00	0.92	0.00	6.48
148.6	193.81	25.43	9.79	8.53	3.89	0.84	22.32	15.48	0.00	0.00	0.00	0.00
148.7	86.31	84.95	12.05	10.47	4.84	0.00	8.86	0.00	0.96	0.00	5.10	0.00
148.8	145.77	34.35	10.19	10.07	8.95	0.38	9.58	7.80	0.00	0.00	0.00	0.00
148.9	218.50	1.77	10.69	8.28	8.06	0.81	11.29	9.33	1.52	0.00	3.56	0.00
149	35.63	1.36	7.10	9.22	7.61	0.44	21.29	4.88	0.00	0.45	0.00	2.40
149.1	72.97	0.33	8.93	8.23	15.19	3.90	16.67	14.14	1.00	0.49	10.65	10.97
149.2	47.56	2.37	8.07	7.21	10.11	0.42	11.77	6.01	0.54	0.00	5.55	0.00
149.3	53.76	8.00	10.23	9.94	18.82	1.12	12.95	6.66	1.52	0.00	16.86	0.00
149.4	13.00	28.88	9.35	6.33	4.68	0.43	10.04	3.68	0.00	0.00	0.00	0.00
149.5	30.23	45.30	10.14	6.72	6.96	2.02	13.94	14.99	0.00	0.00	0.00	0.00
149.6	39.90	46.55	8.33	7.35	4.08	0.00	13.69	0.00	0.98	0.00	5.13	0.00
149.7	10.05	45.43	3.76	6.72	1.40	0.43	8.77	16.85	1.00	0.00	5.58	0.00
149.8	74.71	12.14	12.45	6.72	4.22	0.00	9.22	0.00	0.57	0.00	2.89	0.00
149.9	10.46	63.14	9.44	14.37	1.40	0.00	5.79	0.00	1.14	0.28	6.25	4.64
150	68.70	1.53	10.27	9.02	8.04	0.00	9.39	0.00	0.50	0.00	2.51	0.00
150.1	55.11	0.00	3.14	0.00	3.39	0.00	10.39	0.00	0.35	0.00	2.29	0.00

150.2	22.67	0.00	3.11	0.00	5.14	0.78	15.42	10.91	0.60	0.00	3.04	0.00
150.3	13.14	0.00	8.54	0.00	10.32	2.24	24.46	22.10	1.03	0.00	10.43	0.00
150.4	2.97	35.85	4.80	9.40	2.16	1.93	11.58	11.47	0.93	0.00	8.53	0.00
150.5	6.40	81.22	3.12	8.18	1.07	0.41	6.04	4.98	0.00	0.00	0.00	0.00
150.6	23.44	0.00	16.08	0.00	9.80	2.32	12.31	12.54	0.53	0.00	6.67	0.00
150.7	23.22	0.00	7.27	0.00	5.43	0.00	7.95	0.00	0.00	0.00	0.00	0.00
150.8	40.70	0.00	3.27	0.00	4.49	0.42	11.72	12.53	0.00	0.00	0.00	0.00
150.9	30.37	0.00	2.89	0.00	6.17	0.00	15.97	0.00	0.00	0.00	0.00	0.00
151	109.77	0.00	6.92	0.00	9.03	2.58	12.48	11.96	0.52	0.00	7.50	0.00
151.1	43.34	31.05	8.02	6.93	11.98	2.69	13.93	13.11	0.53	0.00	6.46	0.00
151.2	44.06	5.15	5.98	5.40	1.78	0.00	8.47	0.00	0.00	0.00	0.00	0.00
151.3	61.45	0.00	2.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.4	38.42	11.67	7.30	7.24	0.00	0.00	0.00	0.00	0.35	0.00	2.37	0.00
151.5	54.97	0.03	6.51	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.6	77.48	1.14	5.97	3.85	4.62	0.00	17.35	0.00	0.56	0.00	3.33	0.00
151.7	64.87	0.00	4.36	0.00	0.00	0.00	0.00	0.00	0.42	0.00	2.99	0.00
151.8	11.18	0.00	3.57	0.00	5.07	0.00	17.65	0.00	0.00	0.00	0.00	0.00
151.9	64.81	0.96	11.76	4.43	3.77	0.34	13.13	5.90	0.00	0.00	0.00	0.00
152	8.56	28.23	6.55	5.96	5.12	0.40	11.91	3.73	0.53	0.00	2.21	0.00
152.1	62.83	0.00	4.88	0.00	1.07	0.78	15.48	5.79	0.44	0.00	3.82	0.00
152.2	21.66	0.00	5.09	0.00	0.91	0.00	7.52	0.00	0.37	0.00	3.33	0.00
152.3	38.37	0.00	2.82	0.00	1.03	0.41	10.69	8.52	0.00	0.00	0.00	0.00
152.4	6.45	0.00	3.49	0.00	1.72	0.00	18.46	0.00	0.27	0.78	7.62	11.43
152.5	39.02	0.00	10.08	0.00	3.71	0.36	14.58	8.41	0.43	0.00	5.31	0.00
152.6	82.92	23.55	7.50	7.87	0.95	0.00	4.28	0.00	0.00	0.00	0.00	0.00
152.7	37.73	0.36	8.64	6.07	0.95	0.00	9.97	0.00	1.56	0.00	14.91	0.00
152.8	35.42	0.00	4.10	0.00	0.39	0.00	3.05	0.00	0.00	0.00	0.00	0.00
152.9	28.29	2.34	4.00	6.25	0.44	0.00	6.83	0.00	0.00	0.00	0.00	0.00
153	32.02	0.00	3.46	0.00	1.03	0.37	13.27	11.59	0.00	0.00	0.00	0.00
153.1	15.67	9.99	3.49	8.71	0.87	0.36	12.09	7.86	0.00	0.00	0.00	0.00
153.2	6.48	0.00	7.65	0.00	0.39	0.00	6.68	0.00	0.00	0.00	0.00	0.00
153.3	20.35	0.00	6.89	0.00	1.30	0.00	7.61	0.00	0.00	0.00	0.00	0.00
153.4	6.86	0.00	2.84	0.00	0.47	0.00	4.25	0.00	0.00	0.00	0.00	0.00
153.5	11.48	0.15	6.99	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.6	0.52	3.94	3.15	7.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.7	12.98	24.50	7.62	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.8	6.90	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153.9	6.13	0.00	2.49	0.00	0.47	0.00	4.95	0.00	0.00	0.00	0.00	0.00
154	41.05	7.97	9.43	9.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154.1	6.49	6.03	9.62	9.51	1.04	0.38	23.22	10.99	0.95	0.00	8.40	0.00
154.2	18.04	0.00	3.49	0.00	1.31	0.00	9.64	0.00	0.00	0.00	0.00	0.00
154.3	9.13	0.00	3.43	0.00	1.67	0.00	3.00	0.00	0.00	0.00	0.00	0.00
154.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

154.5	2.51	0.00	2.66	0.00	0.08	0.41	3.85	5.77	0.00	0.00	0.00	0.00
154.6	0.91	1.11	5.20	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154.7	19.73	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154.8	21.70	1.21	8.69	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154.9	2.54	0.00	2.92	0.00	1.52	0.37	13.36	5.65	0.00	0.00	0.00	0.00
155	14.81	2.44	8.39	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.1	25.59	10.14	7.01	7.57	0.37	0.00	2.88	0.00	0.00	0.00	0.00	0.00
155.2	86.36	0.00	3.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.3	35.46	0.00	7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.4	37.81	0.00	3.38	0.00	4.13	0.74	13.06	9.23	0.64	0.39	13.56	6.74
155.5	41.06	4.41	16.10	8.53	21.62	15.23	12.88	10.68	1.72	1.32	18.75	9.88
155.6	23.84	0.00	2.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.7	31.73	40.06	9.60	9.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.8	16.15	0.00	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.9	48.61	0.00	7.93	0.00	0.45	0.00	4.82	0.00	0.00	0.00	0.00	0.00
156	35.18	0.23	7.22	6.61	0.00	0.00	0.00	0.00	0.43	0.00	2.05	0.00
156.1	7.55	110.30	8.40	7.20	0.48	0.00	3.13	0.00	0.00	0.00	0.00	0.00
156.2	172.84	15.65	11.28	12.85	29.94	23.00	17.04	16.13	0.00	0.00	0.00	0.00
156.3	139.99	3.62	9.18	4.52	33.25	17.87	12.96	12.27	0.00	0.00	0.00	0.00
156.4	140.43	7.32	11.29	13.26	36.40	14.97	18.56	16.19	0.97	0.43	3.91	13.30
156.5	156.25	9.19	6.59	7.08	46.98	19.66	19.55	17.67	0.00	0.00	0.00	0.00
156.6	165.50	24.67	11.26	18.90	39.89	9.49	15.66	17.00	0.44	0.46	5.94	10.19
156.7	111.66	17.36	10.03	12.99	28.92	10.75	15.45	14.99	1.83	0.00	7.54	0.00
156.8	104.28	13.94	6.09	9.18	32.56	5.45	11.00	10.29	0.82	0.00	6.04	0.00
156.9	105.74	11.52	9.38	6.90	36.45	10.44	14.88	19.13	1.08	0.00	3.73	0.00
157	61.68	18.24	8.15	7.64	38.34	10.77	13.31	14.79	1.99	0.00	5.32	0.00
157.1	125.24	13.99	7.75	6.81	32.07	5.52	15.70	16.44	0.00	0.56	0.00	6.70
157.2	162.71	2.88	7.85	11.68	48.58	8.98	16.12	16.72	0.00	0.00	0.00	0.00
157.3	113.72	10.14	6.17	6.95	31.37	6.86	10.11	11.29	0.44	0.00	5.42	0.00
157.4	117.32	4.12	6.34	6.69	36.20	7.70	11.67	11.36	0.00	0.56	0.00	6.52
157.5	138.66	14.98	6.52	13.32	34.48	4.11	22.12	14.74	0.91	0.00	6.93	0.00
157.6	126.06	9.95	4.85	14.37	39.72	5.35	14.30	13.05	0.38	0.00	3.28	0.00
157.7	171.69	3.84	6.11	7.98	41.28	11.44	14.37	16.65	0.00	0.00	0.00	0.00
157.8	96.12	0.31	6.72	6.97	39.76	13.25	16.66	16.41	1.10	1.20	23.78	27.92
157.9	96.08	0.00	6.57	0.00	35.13	11.61	12.61	12.55	0.51	0.61	2.48	7.17
158	66.36	27.79	6.44	14.20	33.37	6.89	15.29	13.46	0.52	0.00	6.59	0.00
158.1	137.60	1.50	6.44	10.62	28.44	7.56	16.09	14.94	0.43	0.00	6.89	0.00
158.2	120.84	2.03	7.77	4.95	31.42	5.59	18.49	17.97	0.97	0.00	4.04	0.00
158.3	112.68	2.06	10.28	5.50	40.37	12.51	19.17	18.29	0.00	0.34	0.00	9.26
158.4	37.74	77.10	12.10	13.13	27.61	9.14	14.12	13.51	0.00	1.35	0.00	12.21
158.5	124.92	0.00	6.92	0.00	29.11	5.00	11.51	11.54	0.34	0.11	3.79	5.68
158.6	68.02	2.55	7.37	16.08	36.12	9.57	16.47	15.30	0.00	0.00	0.00	0.00
158.7	64.77	1.45	5.91	6.58	37.86	12.33	17.53	14.28	0.51	0.00	8.80	0.00

158.8	127.20	9.62	10.33	6.23	37.62	10.87	13.01	11.51	0.58	0.00	4.90	0.00
158.9	58.45	53.03	10.85	12.18	37.50	13.60	10.95	11.52	0.00	0.36	0.00	6.20
159	87.53	3.39	7.34	8.86	35.04	9.92	16.90	14.51	0.48	0.10	3.41	5.11
159.1	48.11	44.37	5.93	21.46	37.28	17.13	14.49	13.76	1.11	0.45	3.96	5.76
159.2	6.99	60.17	10.29	8.85	24.58	6.49	12.33	18.30	0.00	0.00	0.00	0.00
159.3	106.68	11.01	6.74	15.77	37.66	11.97	16.66	15.39	0.37	0.00	2.43	0.00
159.4	155.57	10.91	11.04	12.94	47.54	17.69	13.19	13.24	5.26	0.00	6.94	0.00
159.5	154.90	10.31	8.57	8.81	49.11	16.25	11.98	11.68	0.81	0.00	5.04	0.00
159.6	161.62	1.60	10.51	7.03	46.19	10.71	18.42	16.57	1.53	0.40	15.18	7.31
159.7	149.40	4.00	10.91	6.64	47.81	10.49	16.91	14.52	3.87	0.00	6.01	0.00
159.8	91.81	3.94	7.10	5.80	57.71	24.47	15.07	14.79	4.04	1.30	19.61	18.39
159.9	52.69	7.24	10.55	9.62	50.32	28.67	16.83	16.18	1.35	1.41	5.79	9.42
160	104.42	0.11	7.16	5.11	46.44	19.10	11.55	12.08	1.11	0.00	4.09	0.00
160.1	90.87	12.35	8.52	4.71	49.51	24.26	11.57	11.47	2.03	0.46	5.24	7.39
160.2	130.83	0.39	7.69	11.39	55.95	23.71	17.02	15.71	7.25	0.00	14.42	0.00
160.3	96.38	9.67	6.47	8.43	44.94	10.22	14.44	13.36	1.32	0.00	6.34	0.00
160.4	89.63	11.19	7.05	12.91	45.21	11.05	15.09	14.47	1.42	0.85	6.50	9.62
160.5	120.80	0.00	10.01	0.00	48.59	17.11	17.88	16.78	1.42	0.00	5.25	0.00
160.6	122.82	9.65	6.08	7.91	52.22	13.04	11.60	12.10	1.55	0.00	9.20	0.00
160.7	130.59	4.05	9.44	7.69	49.94	10.85	11.18	11.28	0.00	0.00	0.00	0.00
160.8	135.95	0.00	9.27	0.00	41.99	11.61	14.55	14.89	1.68	0.00	4.59	0.00
160.9	114.62	0.00	9.65	0.00	44.90	16.72	15.61	14.40	0.00	0.00	0.00	0.00
161	92.51	0.42	6.82	5.89	45.46	14.22	18.73	16.37	0.93	0.00	5.40	0.00
161.1	78.83	3.96	6.52	6.78	54.05	14.80	13.63	12.29	0.90	0.00	3.88	0.00
161.2	79.36	2.04	9.78	9.25	45.07	11.65	16.98	15.61	2.20	0.91	5.35	11.47
161.3	104.37	9.97	7.99	20.04	24.39	8.54	16.40	15.51	15.97	9.56	17.41	21.70
161.4	91.99	4.10	6.17	7.92	50.00	17.03	13.79	13.87	0.68	0.00	5.78	0.00
161.5	112.51	8.07	7.16	8.63	59.02	19.96	17.57	16.29	0.76	0.00	4.08	0.00
161.6	109.50	4.07	8.75	9.06	70.45	24.33	18.04	17.04	0.97	0.00	3.20	0.00
161.7	118.39	5.08	8.88	12.87	58.67	21.29	12.55	12.08	0.37	0.00	4.36	0.00
161.8	79.21	11.97	8.86	9.63	55.59	18.22	15.18	15.03	0.00	0.00	0.00	0.00
161.9	108.59	0.00	6.50	0.00	65.60	39.58	14.99	15.14	1.06	0.00	7.41	0.00
162	109.15	7.89	7.80	6.98	67.18	36.84	18.11	17.26	1.35	0.00	4.33	0.00
162.1	53.29	1.98	7.44	6.32	55.92	38.17	14.42	15.68	1.52	0.00	5.18	0.00
162.2	80.36	0.78	10.07	4.06	52.37	31.25	13.06	13.52	5.01	0.00	7.58	0.00
162.3	124.09	0.53	7.82	6.72	56.40	39.01	15.84	15.08	3.01	0.00	6.56	0.00
162.4	117.10	0.00	7.74	0.00	61.58	40.28	14.77	14.64	2.04	0.00	5.27	0.00
162.5	130.97	0.00	6.80	0.00	47.62	29.02	13.71	13.11	0.92	0.00	16.86	0.00
162.6	74.37	25.71	14.53	7.91	62.85	43.14	15.97	16.59	1.56	0.64	6.75	11.38
162.7	155.57	1.97	7.77	7.96	48.80	29.24	12.33	12.46	0.44	0.34	9.40	6.40
162.8	136.61	0.00	8.39	0.00	30.39	21.32	13.19	13.01	9.16	8.07	18.87	19.14
162.9	151.80	0.09	8.26	5.88	45.11	38.22	12.13	12.31	0.00	0.00	0.00	0.00
163	157.23	2.61	9.22	6.31	57.29	43.16	16.69	15.50	0.00	0.41	0.00	5.07

163.1	166.77	0.00	11.39	0.00	57.17	47.98	13.97	13.65	0.97	0.06	4.10	6.61
163.2	191.02	5.07	10.35	4.64	65.84	52.95	15.09	14.61	1.80	0.00	14.06	0.00
163.3	138.60	10.77	7.94	3.74	68.25	53.92	15.91	15.36	0.98	0.00	9.94	0.00
163.4	119.20	4.02	9.33	5.36	60.47	33.94	13.66	13.43	1.58	0.46	13.85	10.69
163.5	140.45	2.05	6.26	8.35	75.62	49.77	14.38	14.27	0.89	0.00	4.28	0.00
163.6	143.34	0.00	7.02	0.00	74.26	44.16	13.27	13.23	1.31	0.00	4.83	0.00
163.7	190.77	2.58	7.41	7.69	69.54	37.01	13.94	13.96	0.52	0.00	8.41	0.00
163.8	139.93	0.00	6.03	0.00	55.96	29.76	16.25	15.44	0.00	0.00	0.00	0.00
163.9	106.21	2.94	6.87	6.49	57.74	40.56	14.73	14.31	0.34	0.00	6.09	0.00
164	138.53	0.48	7.61	3.14	48.45	31.54	14.09	13.61	1.39	0.00	8.80	0.00
164.1	152.45	0.00	6.12	0.00	53.40	40.32	14.99	14.39	0.00	0.00	0.00	0.00
164.2	195.83	0.00	6.33	0.00	60.47	40.92	15.93	15.37	0.43	0.00	3.89	0.00
164.3	195.41	1.92	6.68	10.55	49.07	28.58	11.58	11.42	0.00	0.00	0.00	0.00
164.4	192.62	0.00	6.61	0.00	56.78	32.85	16.37	15.38	1.36	0.39	10.76	9.82
164.5	166.20	4.34	7.52	5.48	55.63	36.92	14.97	14.61	1.86	0.45	8.77	8.76
164.6	164.01	4.11	6.64	6.97	61.04	36.95	15.74	15.39	0.00	0.00	0.00	0.00
164.7	182.88	1.94	7.26	5.73	55.48	26.71	13.44	13.81	4.90	0.00	3.99	0.00
164.8	144.81	2.03	9.09	6.13	55.97	33.24	16.21	15.32	0.39	0.00	5.08	0.00
164.9	188.75	1.01	7.48	4.38	78.98	42.81	15.63	14.22	3.61	0.00	11.76	0.00
165	189.93	0.00	6.38	0.00	52.02	30.49	12.76	13.13	0.52	0.00	4.11	0.00
165.1	129.46	5.69	9.89	12.54	51.51	19.42	14.66	13.61	0.35	0.00	4.17	0.00
165.2	122.23	2.02	6.36	8.24	53.50	26.19	14.71	15.22	2.03	0.00	2.79	0.00
165.3	106.15	3.98	5.98	5.65	64.27	47.15	14.92	14.34	0.99	0.00	2.86	0.00
165.4	140.11	2.04	6.58	7.13	59.43	35.00	13.24	13.29	3.38	0.00	15.38	0.00
165.5	139.35	1.22	7.85	6.23	65.88	45.89	13.91	15.47	0.53	0.00	4.64	0.00
165.6	142.57	1.26	7.76	14.37	76.53	47.57	14.18	14.83	0.58	0.00	4.43	0.00
165.7	155.25	3.88	6.47	6.87	81.58	55.18	15.81	15.78	0.38	0.00	8.80	0.00
165.8	160.02	0.00	6.30	0.00	70.45	39.26	13.24	13.39	0.60	0.00	1.47	0.00
165.9	143.81	0.00	5.83	0.00	79.68	46.31	15.71	15.99	2.25	0.00	5.52	0.00
166	153.00	4.01	6.28	7.40	73.29	33.49	16.00	16.01	0.49	0.46	5.73	10.27
166.1	140.84	0.00	5.80	0.00	70.07	39.78	15.24	15.54	2.58	0.07	4.16	5.11
166.2	162.67	1.95	5.85	8.63	55.81	34.71	12.67	12.24	0.52	0.00	1.49	0.00
166.3	174.25	0.31	10.48	6.66	71.81	59.80	14.85	15.18	0.57	0.00	2.10	0.00
166.4	181.22	1.37	10.53	3.61	70.47	57.10	14.13	14.62	4.42	0.00	5.76	0.00
166.5	156.53	0.41	9.16	2.99	75.10	56.17	14.60	15.00	3.26	0.00	3.59	0.00
166.6	151.54	2.14	8.83	4.37	69.56	47.85	15.35	15.12	0.37	0.00	3.82	0.00
166.7	165.12	1.94	9.97	7.84	77.93	59.43	16.22	16.10	0.00	0.00	0.00	0.00
166.8	146.10	4.32	6.53	14.90	65.12	41.22	16.19	15.11	0.00	0.00	0.00	0.00
166.9	159.13	0.00	6.02	0.00	63.54	46.74	13.70	13.45	0.00	0.00	0.00	0.00
167	170.71	0.00	11.27	0.00	73.16	53.84	14.51	14.28	0.00	0.00	0.00	0.00
167.1	165.39	1.04	9.45	4.72	71.95	62.95	15.71	15.38	0.00	0.00	0.00	0.00
167.2	169.43	2.33	9.13	4.19	54.73	53.16	16.23	15.47	0.45	0.47	7.98	13.38
167.3	96.60	31.23	10.74	12.74	56.96	47.69	14.26	14.49	1.47	0.51	18.57	6.08

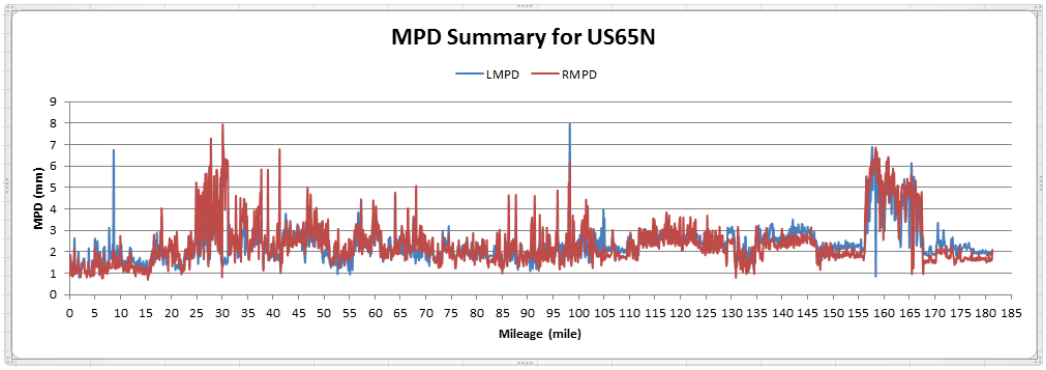
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167.6	294.03	9.13	18.57	21.60	54.67	43.80	18.72	18.96	0.90	0.53	4.51	15.42
167.7	79.95	0.00	9.01	0.00	12.58	7.53	21.73	25.36	1.26	0.00	4.58	0.00
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167.9	54.91	0.77	8.09	9.41	3.76	0.36	10.18	6.44	2.79	0.00	5.78	0.00
168	38.58	0.00	7.39	0.00	2.31	0.00	5.25	0.00	0.50	0.00	4.52	0.00
168.1	73.67	0.00	8.08	0.00	3.10	0.77	18.09	7.17	2.41	0.00	6.18	0.00
168.2	33.19	6.33	5.30	6.63	20.71	2.87	14.86	8.54	3.46	0.00	7.87	0.00
168.3	108.08	0.00	9.18	0.00	10.26	0.77	16.70	8.32	0.74	0.00	9.75	0.00
168.4	122.46	0.00	8.93	0.00	11.46	1.55	16.39	13.84	3.05	0.00	5.76	0.00
168.5	160.43	0.00	8.10	0.00	10.61	1.49	17.87	16.44	1.44	0.00	12.68	0.00
168.6	27.31	0.68	4.20	2.97	7.91	0.71	20.04	29.88	2.62	0.00	5.21	0.00
168.7	94.39	0.00	6.79	0.00	2.17	0.42	12.24	5.75	1.60	0.00	5.23	0.00
168.8	113.23	0.00	8.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168.9	102.02	0.00	6.28	0.00	1.70	0.72	7.66	7.52	0.00	0.00	0.00	0.00
169	135.92	0.00	8.05	0.00	4.83	0.36	16.59	6.69	0.38	0.00	3.82	0.00
169.1	144.51	0.23	4.68	9.92	3.72	0.00	13.97	0.00	2.12	0.00	6.65	0.00
169.2	153.36	0.00	8.22	0.00	7.95	0.74	16.24	6.16	0.37	0.00	6.45	0.00
169.3	53.30	0.00	7.96	0.00	6.94	1.08	16.36	6.91	1.32	0.00	5.29	0.00
169.4	36.56	0.00	8.08	0.00	8.25	0.36	16.83	11.97	0.79	0.00	4.27	0.00
169.5	69.95	3.68	8.95	6.47	4.53	1.20	15.50	7.48	1.80	0.00	7.29	0.00
169.6	135.83	0.00	8.00	0.00	1.96	0.73	10.22	10.87	0.00	0.00	0.00	0.00
169.7	129.31	0.00	8.92	0.00	4.73	0.83	15.95	9.24	0.00	0.00	0.00	0.00
169.8	136.81	14.88	8.48	7.84	5.16	1.24	20.48	9.45	1.53	0.00	5.74	0.00
169.9	90.75	34.57	8.46	6.98	7.44	1.16	17.66	12.91	3.55	0.00	5.79	0.00
170	103.95	0.00	9.18	0.00	3.70	1.67	14.64	8.40	1.29	0.00	7.12	0.00
170.1	151.96	0.20	10.16	12.22	6.00	0.42	14.37	9.00	3.73	0.00	9.09	0.00
170.2	240.29	19.97	16.27	7.11	16.05	11.12	19.81	20.26	0.35	0.00	3.95	0.00
170.3	319.64	11.01	16.70	16.08	20.43	4.96	15.51	13.71	7.42	2.68	17.67	11.21
170.4	297.15	11.38	16.67	12.49	13.13	4.26	16.69	12.85	1.99	0.20	11.99	5.45
170.5	232.90	16.73	13.71	15.17	28.42	4.31	20.45	14.74	6.23	2.31	22.88	17.79
170.6	217.61	14.07	14.40	15.70	30.20	13.12	18.59	15.12	6.52	2.74	17.05	17.18
170.7	143.94	19.36	16.12	15.08	22.26	8.90	17.90	17.75	5.38	0.70	16.42	5.47
170.8	272.09	1.00	15.41	10.96	1.63	1.67	8.58	4.80	1.77	0.00	3.24	0.00
170.9	257.63	0.52	17.01	3.66	0.25	1.09	3.39	5.08	0.00	0.00	0.00	0.00
171	264.61	3.96	15.55	5.59	2.69	1.11	14.65	10.95	0.84	0.00	7.48	0.00
171.1	176.45	8.86	16.48	14.60	5.80	0.86	14.39	13.05	2.68	0.53	9.34	16.36
171.2	250.95	0.00	10.00	0.00	7.08	0.00	15.52	0.00	1.15	0.00	12.75	0.00
171.3	237.96	0.00	11.91	0.00	0.60	0.35	8.58	12.87	0.00	0.00	0.00	0.00
171.4	259.42	0.00	12.40	0.00	2.46	0.41	26.16	11.78	0.94	0.00	11.38	0.00
171.5	289.17	3.90	17.38	17.51	3.24	2.29	12.02	11.96	0.91	2.15	16.53	17.27
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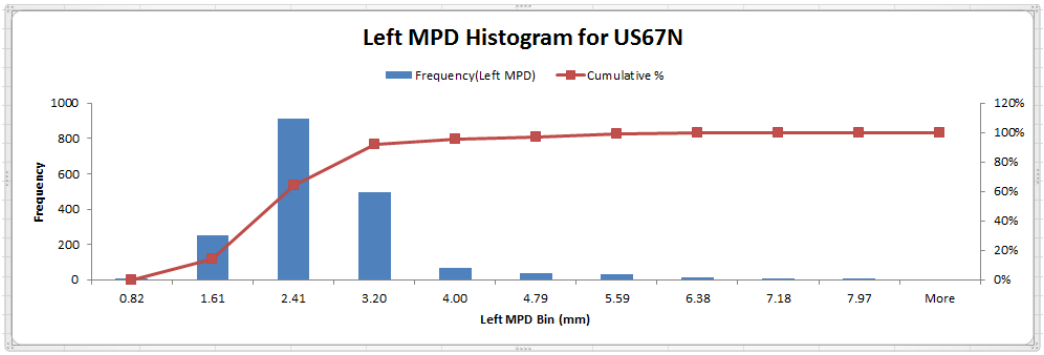
171.7	310.17	10.53	16.15	10.75	30.01	8.91	17.72	17.43	15.11	1.15	17.32	9.97
171.8	320.35	49.86	18.67	14.00	18.96	8.36	15.39	15.13	5.27	2.54	10.19	13.28
171.9	335.89	55.16	18.95	15.35	29.99	14.16	19.51	21.64	6.15	5.40	16.39	15.16
172	283.78	0.00	11.15	0.00	3.68	0.00	8.69	0.00	1.18	0.00	9.64	0.00
172.1	263.51	0.00	11.28	0.00	2.77	0.00	12.55	0.00	2.16	0.00	5.32	0.00
172.2	99.33	41.03	5.49	8.70	9.32	0.67	13.87	21.89	1.38	1.56	10.29	8.68
172.3	106.94	42.77	8.12	8.18	15.30	4.75	19.61	20.77	5.47	1.01	6.02	6.66
172.4	158.90	0.00	8.02	0.00	6.48	1.14	18.49	12.72	0.00	0.00	0.00	0.00
172.5	170.62	0.00	8.88	0.00	7.34	2.17	15.74	15.45	2.30	0.00	14.54	0.00
172.6	210.48	0.00	9.14	0.00	5.91	2.03	13.90	13.39	0.96	0.00	14.22	0.00
172.7	157.36	2.18	8.67	5.53	4.28	0.00	6.81	0.00	0.84	0.00	3.33	0.00
172.8	202.88	0.00	12.74	0.00	6.57	3.38	16.56	21.09	0.51	0.00	8.55	0.00
172.9	146.74	0.00	9.20	0.00	8.17	3.98	15.09	15.90	0.00	0.00	0.00	0.00
173	133.76	0.00	11.65	0.00	6.54	1.50	14.89	8.52	3.36	0.60	11.06	7.56
173.1	69.75	2.45	16.89	14.16	9.99	1.22	18.00	17.84	2.63	0.00	5.40	0.00
173.2	19.33	1.43	12.76	27.61	6.66	0.29	17.72	6.17	0.50	0.37	3.03	13.76
173.3	45.87	1.24	7.24	11.62	7.91	0.00	14.30	0.00	2.12	0.06	4.04	4.07
173.4	57.68	1.32	16.66	8.15	9.63	1.11	17.09	16.11	4.38	0.00	20.23	0.00
173.5	51.39	0.36	14.39	7.31	9.94	3.03	17.74	25.47	1.00	0.00	7.61	0.00
173.6	72.43	4.91	16.12	16.57	9.92	1.77	17.88	6.94	3.68	0.43	17.21	18.51
173.7	28.68	7.69	14.20	8.80	5.97	1.20	21.65	31.38	0.90	0.00	7.98	0.00
173.8	54.54	4.53	15.20	14.89	11.18	0.36	16.75	8.83	1.16	0.20	11.18	11.58
173.9	26.22	0.95	15.22	17.99	9.17	0.80	16.31	5.57	4.14	0.06	10.07	3.19
174	35.99	3.30	13.17	17.06	6.47	2.33	13.86	13.94	0.21	0.74	26.04	39.06
174.1	12.08	0.00	5.93	0.00	3.98	1.54	13.83	8.86	0.00	0.00	0.00	0.00
174.2	7.02	8.67	6.44	8.03	1.64	1.19	10.76	5.60	0.52	0.00	5.68	0.00
174.3	10.14	19.78	13.01	13.44	9.48	4.26	21.90	19.75	4.20	3.17	14.84	13.13
174.4	51.28	20.01	12.51	15.40	11.68	6.32	16.27	17.49	6.39	4.52	15.68	16.92
174.5	87.48	16.99	10.51	8.08	13.93	12.28	17.20	16.01	4.31	1.17	14.73	16.29
174.6	21.97	2.66	9.29	17.19	11.05	2.09	16.42	15.33	3.28	0.02	11.34	5.98
174.7	29.10	5.59	10.81	15.00	11.29	5.96	14.60	19.00	1.66	1.90	15.87	10.68
174.8	69.03	5.94	10.29	11.44	23.20	1.80	16.06	18.07	6.02	0.48	13.74	10.37
174.9	66.18	24.82	9.60	16.10	16.91	5.28	20.24	19.96	4.89	6.62	15.25	15.69
175	30.59	11.48	13.52	8.36	6.39	0.59	20.21	19.54	0.91	0.82	9.29	4.68
175.1	3.01	2.04	5.89	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.2	22.68	0.00	5.90	0.00	0.62	0.36	7.03	5.86	0.00	0.00	0.00	0.00
175.3	14.53	0.00	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.5	1.52	0.00	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.6	3.20	0.90	4.21	3.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.7	4.41	0.14	5.53	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.8	2.04	0.00	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.9	9.64	0.00	5.34	0.00	0.83	0.00	5.63	0.00	0.00	0.00	0.00	0.00

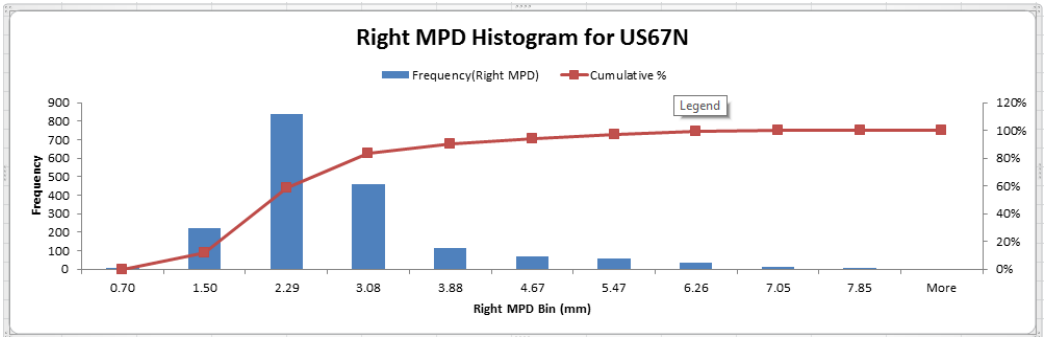
176	0.47	0.00	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.1	10.06	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.2	4.52	0.08	5.45	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.7	2.01	0.00	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.46	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.1	4.44	0.00	2.72	0.00	1.40	0.00	6.01	0.00	0.00	0.00	0.00	0.00
177.2	0.00	4.01	0.00	11.46	0.87	0.00	4.41	0.00	0.00	0.00	0.00	0.00
177.3	2.46	2.53	7.02	7.74	0.48	0.00	1.92	0.00	0.00	0.00	0.00	0.00
177.4	4.01	0.00	5.89	0.00	0.48	0.00	3.08	0.00	0.00	0.00	0.00	0.00
177.5	19.04	1.95	9.34	6.54	0.99	0.00	3.01	0.00	0.00	0.00	0.00	0.00
177.6	8.60	2.00	6.90	7.03	0.97	0.00	3.82	0.00	0.00	0.00	0.00	0.00
177.7	5.07	0.00	3.67	0.00	0.49	0.00	2.11	0.00	0.00	0.00	0.00	0.00
177.8	8.06	0.00	7.69	0.00	0.38	0.00	2.10	0.00	0.00	0.00	0.00	0.00
177.9	7.88	0.00	6.15	0.00	1.84	0.00	5.63	0.00	0.00	0.00	0.00	0.00
178	9.65	0.00	9.75	0.00	3.14	0.00	8.87	0.00	0.00	0.00	0.00	0.00
178.1	107.79	60.98	15.20	17.70	1.89	0.38	8.16	4.60	0.18	1.45	4.46	5.15
178.2	2.47	0.00	2.31	0.00	1.78	0.00	5.13	0.00	0.00	0.00	0.00	0.00
178.3	1.97	0.00	4.44	0.00	1.39	0.00	7.24	0.00	0.00	0.00	0.00	0.00
178.4	0.50	0.00	2.59	0.00	3.34	0.00	8.81	0.00	0.00	0.00	0.00	0.00
178.5	13.24	0.00	6.37	0.00	1.97	0.36	8.05	3.03	0.00	0.00	0.00	0.00
178.6	9.16	1.90	6.51	6.71	1.44	0.34	12.76	7.93	0.00	0.00	0.00	0.00
178.7	2.04	0.00	5.88	0.00	1.94	0.00	6.53	0.00	0.00	0.00	0.00	0.00
178.8	0.78	3.25	2.78	5.00	1.39	0.00	5.08	0.00	0.00	0.00	0.00	0.00
178.9	1.03	0.00	6.04	0.00	1.80	0.00	6.84	0.00	0.49	0.07	5.32	7.98
179	0.00	0.00	0.00	0.00	0.40	0.00	5.05	0.00	0.00	0.00	0.00	0.00
179.1	1.53	0.00	1.29	0.00	0.50	0.00	5.15	0.00	0.00	0.00	0.00	0.00
179.2	21.82	0.00	2.86	0.00	0.93	0.00	2.67	0.00	0.00	0.00	0.00	0.00
179.3	27.25	0.06	7.61	7.68	1.95	0.36	14.17	5.47	0.00	0.00	0.00	0.00
179.4	21.08	0.24	5.92	4.44	11.81	4.50	8.67	15.21	0.53	0.00	6.83	0.00
179.5	16.74	0.00	8.63	0.00	3.43	0.42	17.77	8.78	0.00	0.00	0.00	0.00
179.6	5.90	0.00	2.53	0.00	2.25	0.36	8.81	8.24	0.00	0.00	0.00	0.00
179.7	5.49	0.00	2.83	0.00	1.92	0.00	3.21	0.00	0.00	0.00	0.00	0.00
179.8	8.99	0.00	2.11	0.00	1.35	0.00	8.14	0.00	0.00	0.00	0.00	0.00
179.9	12.41	0.00	2.50	0.00	3.22	0.72	11.47	5.38	0.00	0.00	0.00	0.00
180	14.04	1.96	7.11	10.01	1.44	0.42	7.97	4.69	0.00	1.01	0.00	12.93
180.1	6.82	0.00	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.2	5.01	1.11	6.79	5.68	1.41	0.00	4.94	0.00	0.00	0.00	0.00	0.00

180.3	37.86	0.00	2.67	0.00	1.43	0.42	5.96	4.55	0.00	0.00	0.00	0.00
180.4	32.57	0.22	10.77	7.59	0.48	0.00	5.72	0.00	0.00	0.00	0.00	0.00
180.5	2.48	0.00	2.20	0.00	2.45	0.77	9.80	9.87	0.00	0.00	0.00	0.00
180.6	2.01	2.03	2.43	6.63	1.21	0.42	15.35	10.54	0.00	0.00	0.00	0.00
180.7	45.92	0.00	3.28	0.00	1.54	0.83	8.83	7.43	0.00	0.00	0.00	0.00
180.8	25.29	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.9	41.67	0.00	9.99	0.00	1.98	0.66	10.47	10.13	0.00	0.00	0.00	0.00
181	2.56	9.59	6.43	9.49	1.46	0.41	7.47	4.46	0.00	0.00	0.00	0.00
181.1	9.52	0.00	2.59	0.00	2.74	0.36	7.60	4.52	0.00	0.00	0.00	0.00
181.2	110.25	2.49	8.28	10.46	9.18	2.66	13.71	16.47	1.76	0.10	4.43	4.96
181.3	3.99	24.91	6.21	11.80	12.56	9.71	9.17	12.51	0.00	0.00	0.00	0.00

MPD Data


MPD Summary for US65N
LMPD
RMPD
MPD (mm)
0 1 2 3 4 5 6 7 8 9
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185
Mileage (mile)


Left MPD Histogram for US67N
Frequency(Left MPD)
Cumulative %
Frequency
0 200 400 600 800 1000
0% 20% 40% 60% 80% 100% 120%
0.82 1.61 2.41 3.20 4.00 4.79 5.59 6.38 7.18 7.97 More
Left MPD Bin (mm)


Right MPD Histogram for US67N
Frequency(Right MPD)
Cumulative %
Legend
Frequency
0 100 200 300 400 500 600 700 800 900
0% 20% 40% 60% 80% 100% 120%
0.70 1.50 2.29 3.08 3.88 4.67 5.47 6.26 7.05 7.85 More
Right MPD Bin (mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	1.44	0.88
0.10	70 / 819	71 / 136	1.54	1.17
0.20	140 / 1638	141 / 955	1.86	1.84
0.30	211 / 409	211 / 1774	1.15	0.94
0.40	281 / 1228	282 / 545	1.28	1.25
0.50	351 / 2047	352 / 1364	1.54	1.38
0.60	422 / 818	423 / 135	1.18	0.85
0.70	492 / 1637	493 / 954	1.07	0.92
0.80	563 / 408	563 / 1773	1.04	0.91
0.90	633 / 1227	634 / 544	1.48	1.23
1.00	703 / 2046	704 / 1363	2.65	2.18
1.10	774 / 817	775 / 134	1.25	0.97
1.20	844 / 1636	845 / 953	1.36	1.06
1.30	915 / 407	915 / 1772	1.00	1.00
1.40	985 / 1226	986 / 543	1.07	1.06
1.50	1055 / 2045	1056 / 1362	1.30	1.30
1.60	1126 / 816	1127 / 133	1.36	1.10
1.70	1196 / 1635	1197 / 952	1.55	1.68
1.80	1267 / 406	1267 / 1771	1.99	1.54
1.90	1337 / 1225	1338 / 542	0.82	1.34
2.00	1407 / 2044	1408 / 1361	1.00	0.83
2.10	1478 / 815	1479 / 132	0.91	0.83
2.20	1548 / 1634	1549 / 951	1.01	0.83
2.30	1619 / 405	1619 / 1770	1.31	1.16
2.40	1689 / 1224	1690 / 541	1.48	1.19
2.50	1759 / 2043	1760 / 1360	1.42	1.31
2.60	1830 / 814	1831 / 131	1.49	1.39
2.70	1900 / 1633	1901 / 950	1.63	1.44
2.80	1971 / 404	1971 / 1769	1.68	1.58
2.90	2041 / 1223	2042 / 540	1.70	1.54
3.00	2111 / 2042	2112 / 1359	1.09	1.05
3.10	2182 / 813	2183 / 130	1.17	1.11
3.20	2252 / 1632	2253 / 949	1.07	0.98
3.30	2323 / 403	2323 / 1768	0.99	1.08
3.40	2393 / 1222	2394 / 539	0.85	0.81
3.50	2463 / 2041	2464 / 1358	0.98	1.03
3.60	2534 / 812	2535 / 129	1.19	0.99
3.70	2604 / 1631	2605 / 948	1.13	1.54
3.80	2675 / 402	2675 / 1767	2.18	0.98
3.90	2745 / 1221	2746 / 538	1.27	1.08
4.00	2815 / 2040	2816 / 1357	1.05	1.08

4.10	2886 / 811	2887 / 128	0.96	0.83
4.20	2956 / 1630	2957 / 947	1.03	0.96
4.30	3027 / 401	3027 / 1766	0.94	0.89
4.40	3097 / 1220	3098 / 537	1.24	1.02
4.50	3167 / 2039	3168 / 1356	1.61	1.53
4.60	3238 / 810	3239 / 127	1.09	0.90
4.70	3308 / 1629	3309 / 946	1.10	1.09
4.80	3379 / 400	3379 / 1765	1.23	0.92
4.90	3449 / 1219	3450 / 536	1.18	0.93
5.00	3519 / 2038	3520 / 1355	2.59	2.20
5.10	3590 / 809	3591 / 126	2.20	1.70
5.20	3660 / 1628	3661 / 945	1.95	1.67
5.30	3731 / 399	3731 / 1764	1.63	1.31
5.40	3801 / 1218	3802 / 535	1.58	1.41
5.50	3871 / 2037	3872 / 1354	2.50	1.93
5.60	3942 / 808	3943 / 125	2.07	1.46
5.70	4012 / 1627	4013 / 944	1.58	1.27
5.80	4083 / 398	4083 / 1763	1.47	1.32
5.90	4153 / 1217	4154 / 534	1.14	0.95
6.00	4223 / 2036	4224 / 1353	1.95	1.99
6.10	4294 / 807	4295 / 124	1.55	1.20
6.20	4364 / 1626	4365 / 943	1.71	1.42
6.30	4435 / 397	4435 / 1762	1.27	1.08
6.40	4505 / 1216	4506 / 533	0.95	0.77
6.50	4575 / 2035	4576 / 1352	1.17	0.92
6.60	4646 / 806	4647 / 123	1.00	0.79
6.70	4716 / 1625	4717 / 942	2.15	1.36
6.80	4787 / 396	4787 / 1761	1.82	1.31
6.90	4857 / 1215	4858 / 532	2.25	1.90
7.00	4927 / 2034	4928 / 1351	1.27	1.04
7.10	4998 / 805	4999 / 122	1.26	1.24
7.20	5068 / 1624	5069 / 941	1.25	1.20
7.30	5139 / 395	5139 / 1760	1.22	1.35
7.40	5209 / 1214	5210 / 531	1.02	0.97
7.50	5279 / 2033	5280 / 1350	1.09	1.55
7.60	5350 / 804	5351 / 121	1.52	1.12
7.70	5420 / 1623	5421 / 940	1.38	1.50
7.80	5491 / 394	5491 / 1759	3.11	1.39
7.90	5561 / 1213	5562 / 530	2.31	1.50
8.00	5631 / 2032	5632 / 1349	1.66	1.25
8.10	5702 / 803	5703 / 120	1.90	1.25
8.20	5772 / 1622	5773 / 939	1.78	1.24
8.30	5843 / 393	5843 / 1758	2.04	1.24

8.40	5913 / 1212	5914 / 529	1.74	1.26
8.50	5983 / 2031	5984 / 1348	2.38	1.92
8.60	6054 / 802	6055 / 119	2.32	1.75
8.70	6124 / 1621	6125 / 938	6.76	2.11
8.80	6195 / 392	6195 / 1757	2.01	2.09
8.90	6265 / 1211	6266 / 528	1.58	1.25
9.00	6335 / 2030	6336 / 1347	1.51	1.36
9.10	6406 / 801	6407 / 118	1.54	1.27
9.20	6476 / 1620	6477 / 937	1.99	1.22
9.30	6547 / 391	6547 / 1756	1.75	1.81
9.40	6617 / 1210	6618 / 527	2.31	1.40
9.50	6687 / 2029	6688 / 1346	1.73	1.63
9.60	6758 / 800	6759 / 117	1.49	1.27
9.70	6828 / 1619	6829 / 936	1.54	1.30
9.80	6899 / 390	6899 / 1755	1.80	1.56
9.90	6969 / 1209	6970 / 526	2.20	1.32
10.00	7039 / 2028	7040 / 1345	1.65	2.75
10.10	7110 / 799	7111 / 116	2.06	1.61
10.20	7180 / 1618	7181 / 935	2.33	1.82
10.30	7251 / 389	7251 / 1754	1.68	1.40
10.40	7321 / 1208	7322 / 525	1.62	1.32
10.50	7391 / 2027	7392 / 1344	1.47	1.31
10.60	7462 / 798	7463 / 115	1.30	1.08
10.70	7532 / 1617	7533 / 934	1.32	1.12
10.80	7603 / 388	7603 / 1753	1.60	1.35
10.90	7673 / 1207	7674 / 524	1.18	1.14
11.00	7743 / 2026	7744 / 1343	1.58	1.27
11.10	7814 / 797	7815 / 114	1.50	1.48
11.20	7884 / 1616	7885 / 933	1.31	1.08
11.30	7955 / 387	7955 / 1752	1.34	1.07
11.40	8025 / 1206	8026 / 523	1.36	1.20
11.50	8095 / 2025	8096 / 1342	1.75	1.76
11.60	8166 / 796	8167 / 113	1.46	1.19
11.70	8236 / 1615	8237 / 932	1.38	1.07
11.80	8307 / 386	8307 / 1751	1.45	1.29
11.90	8377 / 1205	8378 / 522	2.20	2.03
12.00	8447 / 2024	8448 / 1341	1.89	1.55
12.10	8518 / 795	8519 / 112	2.15	1.63
12.20	8588 / 1614	8589 / 931	1.79	1.24
12.30	8659 / 385	8659 / 1750	1.54	1.38
12.40	8729 / 1204	8730 / 521	1.54	1.35
12.50	8799 / 2023	8800 / 1340	1.59	1.35
12.60	8870 / 794	8871 / 111	1.73	1.35

12.70	8940 / 1613	8941 / 930	1.48	1.01
12.80	9011 / 384	9011 / 1749	1.47	1.34
12.90	9081 / 1203	9082 / 520	1.44	1.07
13.00	9151 / 2022	9152 / 1339	1.40	0.86
13.10	9222 / 793	9223 / 110	1.52	1.35
13.20	9292 / 1612	9293 / 929	1.37	1.12
13.30	9363 / 383	9363 / 1748	1.40	1.18
13.40	9433 / 1202	9434 / 519	1.60	1.31
13.50	9503 / 2021	9504 / 1338	1.18	1.15
13.60	9574 / 792	9575 / 109	1.32	1.13
13.70	9644 / 1611	9645 / 928	1.30	1.03
13.80	9715 / 382	9715 / 1747	1.73	1.37
13.90	9785 / 1201	9786 / 518	1.53	1.13
14.00	9855 / 2020	9856 / 1337	1.49	1.28
14.10	9926 / 791	9927 / 108	1.40	1.16
14.20	9996 / 1610	9997 / 927	1.39	1.18
14.30	10067 / 381	10067 / 1746	1.24	0.95
14.40	10137 / 1200	10138 / 517	1.23	1.10
14.50	10207 / 2019	10208 / 1336	1.57	1.32
14.60	10278 / 790	10279 / 107	1.17	0.97
14.70	10348 / 1609	10349 / 926	1.32	1.12
14.80	10419 / 380	10419 / 1745	1.13	0.94
14.90	10489 / 1199	10490 / 516	1.40	1.06
15.00	10559 / 2018	10560 / 1335	1.29	1.00
15.10	10630 / 789	10631 / 106	1.59	1.26
15.20	10700 / 1608	10701 / 925	1.60	1.29
15.30	10771 / 379	10771 / 1744	1.10	1.02
15.40	10841 / 1198	10842 / 515	1.02	0.70
15.50	10911 / 2017	10912 / 1334	1.01	0.91
15.60	10982 / 788	10983 / 105	1.11	0.90
15.70	11052 / 1607	11053 / 924	1.22	1.06
15.80	0 / 0	0 / 1365	1.64	1.60
15.90	70 / 819	71 / 136	1.47	1.19
16.00	140 / 1638	141 / 955	1.32	1.08
16.10	211 / 409	211 / 1774	1.81	1.68
16.20	281 / 1228	282 / 545	1.97	1.90
16.30	351 / 2047	352 / 1364	1.78	2.10
16.40	422 / 818	423 / 135	2.11	2.05
16.50	492 / 1637	493 / 954	1.68	1.38
16.60	563 / 408	563 / 1773	2.57	2.78
16.70	633 / 1227	634 / 544	2.17	2.33
16.80	703 / 2046	704 / 1363	1.51	1.82
16.90	774 / 817	775 / 134	2.55	2.08

17.00	844 / 1636	845 / 953	1.67	1.69
17.10	915 / 407	915 / 1772	2.03	1.93
17.20	985 / 1226	986 / 543	2.91	1.92
17.30	1055 / 2045	1056 / 1362	1.97	1.93
17.40	1126 / 816	1127 / 133	1.70	1.79
17.50	1196 / 1635	1197 / 952	1.94	2.31
17.60	1267 / 406	1267 / 1771	2.20	2.12
17.70	1337 / 1225	1338 / 542	1.84	1.62
17.80	1407 / 2044	1408 / 1361	2.19	2.45
17.90	1478 / 815	1479 / 132	2.01	2.97
18.00	1548 / 1634	1549 / 951	1.82	2.19
18.10	1619 / 405	1619 / 1770	2.38	4.01
18.20	1689 / 1224	1690 / 541	1.99	3.52
18.30	1759 / 2043	1760 / 1360	1.87	1.74
18.40	1830 / 814	1831 / 131	1.39	2.12
18.50	1900 / 1633	1901 / 950	1.92	2.12
18.60	1971 / 404	1971 / 1769	1.73	1.98
18.70	2041 / 1223	2042 / 540	1.91	1.79
18.80	2111 / 2042	2112 / 1359	1.78	2.25
18.90	2182 / 813	2183 / 130	1.86	2.18
19.00	2252 / 1632	2253 / 949	1.41	2.20
19.10	2323 / 403	2323 / 1768	1.60	1.88
19.20	2393 / 1222	2394 / 539	1.47	1.72
19.30	2463 / 2041	2464 / 1358	1.57	1.78
19.40	2534 / 812	2535 / 129	2.01	1.10
19.50	2604 / 1631	2605 / 948	2.05	2.23
19.60	2675 / 402	2675 / 1767	2.33	2.39
19.70	2745 / 1221	2746 / 538	2.02	2.64
19.80	2815 / 2040	2816 / 1357	2.29	2.04
19.90	2886 / 811	2887 / 128	2.37	2.43
20.00	2956 / 1630	2957 / 947	2.35	2.10
20.10	3027 / 401	3027 / 1766	2.33	2.52
20.20	3097 / 1220	3098 / 537	1.76	1.33
20.30	3167 / 2039	3168 / 1356	2.21	2.34
20.40	3238 / 810	3239 / 127	1.77	1.83
20.50	3308 / 1629	3309 / 946	1.68	1.59
20.60	3379 / 400	3379 / 1765	1.75	1.50
20.70	3449 / 1219	3450 / 536	1.64	2.74
20.80	3519 / 2038	3520 / 1355	1.17	1.62
20.90	3590 / 809	3591 / 126	1.31	1.59
21.00	3660 / 1628	3661 / 945	1.36	1.87
21.10	3731 / 399	3731 / 1764	1.40	2.92
21.20	3801 / 1218	3802 / 535	1.25	2.34

21.30	3871 / 2037	3872 / 1354	1.37	1.78
21.40	3942 / 808	3943 / 125	1.40	1.92
21.50	4012 / 1627	4013 / 944	1.22	1.39
21.60	4083 / 398	4083 / 1763	1.20	1.92
21.70	4153 / 1217	4154 / 534	1.23	1.48
21.80	4223 / 2036	4224 / 1353	1.38	1.65
21.90	4294 / 807	4295 / 124	1.24	1.59
22.00	4364 / 1626	4365 / 943	1.13	0.97
22.10	4435 / 397	4435 / 1762	1.26	1.19
22.20	4505 / 1216	4506 / 533	1.26	1.39
22.30	4575 / 2035	4576 / 1352	1.37	1.13
22.40	4646 / 806	4647 / 123	1.18	1.10
22.50	4716 / 1625	4717 / 942	1.76	1.40
22.60	4787 / 396	4787 / 1761	1.28	1.17
22.70	4857 / 1215	4858 / 532	1.94	2.02
22.80	4927 / 2034	4928 / 1351	1.91	2.14
22.90	4998 / 805	4999 / 122	1.65	1.77
23.00	5068 / 1624	5069 / 941	1.87	1.69
23.10	5139 / 395	5139 / 1760	1.65	1.78
23.20	5209 / 1214	5210 / 531	1.92	2.18
23.30	5279 / 2033	5280 / 1350	1.79	1.72
23.40	5350 / 804	5351 / 121	2.23	2.76
23.50	5420 / 1623	5421 / 940	2.14	1.93
23.60	5491 / 394	5491 / 1759	1.81	1.18
23.70	5561 / 1213	5562 / 530	2.24	1.65
23.80	5631 / 2032	5632 / 1349	1.82	2.49
23.90	5702 / 803	5703 / 120	2.12	2.92
24.00	5772 / 1622	5773 / 939	2.11	1.69
24.10	5843 / 393	5843 / 1758	2.24	2.53
24.20	5913 / 1212	5914 / 529	1.92	2.02
24.30	5983 / 2031	5984 / 1348	1.76	1.70
24.40	6054 / 802	6055 / 119	1.74	1.98
24.50	6124 / 1621	6125 / 938	1.81	2.38
24.60	6195 / 392	6195 / 1757	1.93	2.07
24.70	6265 / 1211	6266 / 528	2.68	2.38
24.80	6335 / 2030	6336 / 1347	2.36	3.74
24.90	6406 / 801	6407 / 118	2.93	5.22
25.00	6476 / 1620	6477 / 937	3.07	4.65
25.10	6547 / 391	6547 / 1756	3.69	4.53
25.20	6617 / 1210	6618 / 527	2.07	3.21
25.30	6687 / 2029	6688 / 1346	1.45	1.87
25.40	6758 / 800	6759 / 117	2.32	4.92
25.50	6828 / 1619	6829 / 936	2.28	2.78

25.60	6899 / 390	6899 / 1755	2.45	4.29
25.70	6969 / 1209	6970 / 526	1.79	1.90
25.80	7039 / 2028	7040 / 1345	2.36	4.63
25.90	7110 / 799	7111 / 116	2.14	3.03
26.00	7180 / 1618	7181 / 935	2.74	4.31
26.10	7251 / 389	7251 / 1754	2.36	2.65
26.20	7321 / 1208	7322 / 525	2.54	4.77
26.30	7391 / 2027	7392 / 1344	3.18	4.44
26.40	7462 / 798	7463 / 115	1.67	1.67
26.50	7532 / 1617	7533 / 934	3.25	5.20
26.60	7603 / 388	7603 / 1753	2.36	2.54
26.70	7673 / 1207	7674 / 524	2.34	5.63
26.80	7743 / 2026	7744 / 1343	2.98	3.77
26.90	7814 / 797	7815 / 114	3.45	5.65
27.00	7884 / 1616	7885 / 933	2.51	5.13
27.10	7955 / 387	7955 / 1752	2.00	2.67
27.20	8025 / 1206	8026 / 523	2.36	2.30
27.30	8095 / 2025	8096 / 1342	1.51	1.43
27.40	8166 / 796	8167 / 113	3.71	5.19
27.50	8236 / 1615	8237 / 932	2.45	5.94
27.60	8307 / 386	8307 / 1751	1.66	1.93
27.70	8377 / 1205	8378 / 522	2.95	3.94
27.80	8447 / 2024	8448 / 1341	4.07	7.29
27.90	8518 / 795	8519 / 112	3.91	4.27
28.00	8588 / 1614	8589 / 931	3.23	2.70
28.10	8659 / 385	8659 / 1750	2.55	2.65
28.20	8729 / 1204	8730 / 521	2.66	3.02
28.30	8799 / 2023	8800 / 1340	3.30	3.69
28.40	8870 / 794	8871 / 111	3.54	5.54
28.50	8940 / 1613	8941 / 930	3.53	3.83
28.60	9011 / 384	9011 / 1749	3.77	4.57
28.70	9081 / 1203	9082 / 520	2.80	2.35
28.80	9151 / 2022	9152 / 1339	3.83	4.27
28.90	9222 / 793	9223 / 110	4.01	5.84
29.00	9292 / 1612	9293 / 929	5.13	5.80
29.10	9363 / 383	9363 / 1748	4.12	5.26
29.20	9433 / 1202	9434 / 519	2.03	2.12
29.30	9503 / 2021	9504 / 1338	3.44	4.25
29.40	9574 / 792	9575 / 109	4.00	4.34
29.50	9644 / 1611	9645 / 928	2.05	1.92
29.60	9715 / 382	9715 / 1747	3.86	3.96
29.70	9785 / 1201	9786 / 518	5.40	4.89
29.80	9855 / 2020	9856 / 1337	1.66	5.53

29.90	9926 / 791	9927 / 108	1.43	5.87
30.00	9996 / 1610	9997 / 927	1.53	0.84
30.10	10067 / 381	10067 / 1746	1.34	7.85
30.20	10137 / 1200	10138 / 517	1.41	6.96
30.30	10207 / 2019	10208 / 1336	1.51	6.60
30.40	10278 / 790	10279 / 107	1.48	5.08
30.50	10348 / 1609	10349 / 926	1.74	5.04
30.60	10419 / 380	10419 / 1745	1.65	3.98
30.70	10489 / 1199	10490 / 516	1.67	6.30
30.80	10559 / 2018	10560 / 1335	1.42	5.43
30.90	10630 / 789	10631 / 106	1.59	5.62
31.00	10700 / 1608	10701 / 925	1.49	6.28
31.10	10771 / 379	10771 / 1744	1.50	6.23
31.20	10841 / 1198	10842 / 515	3.97	3.78
31.30	10911 / 2017	10912 / 1334	1.94	1.87
31.40	10982 / 788	10983 / 105	3.30	3.19
31.50	11052 / 1607	11053 / 924	1.86	2.06
31.60	11123 / 378	11123 / 1743	2.03	1.98
31.70	11193 / 1197	11194 / 514	1.93	1.90
31.80	11263 / 2016	11264 / 1333	2.63	2.29
31.90	11334 / 787	11335 / 104	2.46	3.07
32.00	11404 / 1606	11405 / 923	2.33	2.82
32.10	11475 / 377	11475 / 1742	2.41	2.81
32.20	11545 / 1196	11546 / 513	2.69	2.78
32.30	11615 / 2015	11616 / 1332	2.66	2.38
32.40	11686 / 786	11687 / 103	2.21	2.17
32.50	11756 / 1605	11757 / 922	2.07	1.51
32.60	11827 / 376	11827 / 1741	2.17	1.95
32.70	11897 / 1195	11898 / 512	2.26	4.62
32.80	11967 / 2014	11968 / 1331	2.22	3.01
32.90	12038 / 785	12039 / 102	2.52	2.75
33.00	12108 / 1604	12109 / 921	2.30	2.40
33.10	12179 / 375	12179 / 1740	1.73	1.97
33.20	12249 / 1194	12250 / 511	1.86	2.01
33.30	12319 / 2013	12320 / 1330	2.07	2.07
33.40	12390 / 784	12391 / 101	1.96	2.83
33.50	12460 / 1603	12461 / 920	1.82	2.06
33.60	12531 / 374	12531 / 1739	2.91	4.52
33.70	12601 / 1193	12602 / 510	3.38	1.56
33.80	12671 / 2012	12672 / 1329	2.23	3.34
33.90	12742 / 783	12743 / 100	2.99	3.57
34.00	12812 / 1602	12813 / 919	2.89	3.42
34.10	12883 / 373	12883 / 1738	2.89	4.02

34.20	12953 / 1192	12954 / 509	2.74	3.91
34.30	13023 / 2011	13024 / 1328	2.99	4.48
34.40	13094 / 782	13095 / 99	3.80	4.38
34.50	13164 / 1601	13165 / 918	1.91	3.05
34.60	13235 / 372	13235 / 1737	2.44	4.07
34.70	13305 / 1191	13306 / 508	2.51	4.26
34.80	13375 / 2010	13376 / 1327	2.68	3.34
34.90	13446 / 781	13447 / 98	3.19	3.65
35.00	13516 / 1600	13517 / 917	2.48	2.01
35.10	13587 / 371	13587 / 1736	2.24	2.04
35.20	13657 / 1190	13658 / 507	1.71	1.65
35.30	13727 / 2009	13728 / 1326	1.82	1.63
35.40	13798 / 780	13799 / 97	2.11	1.87
35.50	13868 / 1599	13869 / 916	2.23	2.56
35.60	13939 / 370	13939 / 1735	2.03	2.32
35.70	14009 / 1189	14010 / 506	2.42	2.23
35.80	14079 / 2008	14080 / 1325	2.09	2.59
35.90	14150 / 779	14151 / 96	2.57	2.01
36.00	14220 / 1598	14221 / 915	2.99	3.10
36.10	14291 / 369	14291 / 1734	2.39	2.44
36.20	14361 / 1188	14362 / 505	2.34	2.28
36.30	14431 / 2007	14432 / 1324	2.72	3.92
36.40	14502 / 778	14503 / 95	2.24	2.66
36.50	14572 / 1597	14573 / 914	3.11	3.53
36.60	14643 / 368	14643 / 1733	2.66	3.19
36.70	14713 / 1187	14714 / 504	2.37	2.53
36.80	14783 / 2006	14784 / 1323	2.34	3.97
36.90	14854 / 777	14855 / 94	2.81	3.66
37.00	14924 / 1596	14925 / 913	2.47	2.80
37.10	14995 / 367	14995 / 1732	3.51	4.11
37.20	15065 / 1186	15066 / 503	2.56	1.67
37.30	15135 / 2005	15136 / 1322	3.48	3.95
37.40	15206 / 776	15207 / 93	2.69	3.80
37.50	15276 / 1595	15277 / 912	2.42	4.77
37.60	15347 / 366	15347 / 1731	2.67	3.92
37.70	15417 / 1185	15418 / 502	2.81	5.83
37.80	15487 / 2004	15488 / 1321	2.46	2.56
37.90	15558 / 775	15559 / 92	2.27	2.43
38.00	15628 / 1594	15629 / 911	2.08	2.27
38.10	15699 / 365	15699 / 1730	1.24	1.13
38.20	15769 / 1184	15770 / 501	2.13	2.24
38.30	15839 / 2003	15840 / 1320	1.90	2.40
38.40	15910 / 774	15911 / 91	2.43	2.78

38.50	15980 / 1593	15981 / 910	1.99	2.33
38.60	16051 / 364	16051 / 1729	2.03	2.63
38.70	16121 / 1183	16122 / 500	2.10	2.13
38.80	16191 / 2002	16192 / 1319	2.36	2.21
38.90	16262 / 773	16263 / 90	2.04	1.94
39.00	16332 / 1592	16333 / 909	3.51	5.84
39.10	16403 / 363	16403 / 1728	1.63	1.64
39.20	16473 / 1182	16474 / 499	1.93	1.97
39.30	16543 / 2001	16544 / 1318	1.62	1.74
39.40	16614 / 772	16615 / 89	1.95	1.76
39.50	16684 / 1591	16685 / 908	1.71	1.77
39.60	16755 / 362	16755 / 1727	1.77	1.91
39.70	16825 / 1181	16826 / 498	2.38	2.37
39.80	16895 / 2000	16896 / 1317	2.37	2.34
39.90	16966 / 771	16967 / 88	2.07	2.03
40.00	17036 / 1590	17037 / 907	1.80	1.94
40.10	17107 / 361	17107 / 1726	2.52	2.71
40.20	17177 / 1180	17178 / 497	1.59	1.72
40.30	17247 / 1999	17248 / 1316	2.37	1.94
40.40	17318 / 770	17319 / 87	1.60	1.58
40.50	17388 / 1589	17389 / 906	2.01	1.78
40.60	17459 / 360	17459 / 1725	1.67	2.08
40.70	17529 / 1179	17530 / 496	2.01	1.92
40.80	17599 / 1998	17600 / 1315	1.87	3.04
40.90	17670 / 769	17671 / 86	1.87	3.33
41.00	17740 / 1588	17741 / 905	1.61	2.57
41.10	17811 / 359	17811 / 1724	1.69	2.17
41.20	17881 / 1178	17882 / 495	1.66	3.20
41.30	17951 / 1997	17952 / 1314	1.94	6.78
41.40	18022 / 768	18023 / 85	1.56	1.55
41.50	18092 / 1587	18093 / 904	1.25	1.01
41.60	18163 / 358	18163 / 1723	1.80	2.24
41.70	18233 / 1177	18234 / 494	2.37	2.40
41.80	18303 / 1996	18304 / 1313	1.91	1.48
41.90	18374 / 767	18375 / 84	2.90	2.70
42.00	18444 / 1586	18445 / 903	2.90	2.34
42.10	18515 / 357	18515 / 1722	3.01	2.57
42.20	18585 / 1176	18586 / 493	2.67	2.44
42.30	18655 / 1995	18656 / 1312	2.72	2.29
42.40	18726 / 766	18727 / 83	3.32	3.11
42.50	18796 / 1585	18797 / 902	3.78	3.03
42.60	18867 / 356	18867 / 1721	3.16	2.99
42.70	18937 / 1175	18938 / 492	3.15	3.46

42.80	19007 / 1994	19008 / 1311	2.30	2.33
42.90	19078 / 765	19079 / 82	2.94	1.83
43.00	19148 / 1584	19149 / 901	2.64	2.56
43.10	19219 / 355	19219 / 1720	2.60	1.99
43.20	19289 / 1174	19290 / 491	3.09	2.62
43.30	19359 / 1993	19360 / 1310	3.08	2.88
43.40	19430 / 764	19431 / 81	3.25	3.45
43.50	19500 / 1583	19501 / 900	2.90	2.57
43.60	19571 / 354	19571 / 1719	2.53	2.24
43.70	19641 / 1173	19642 / 490	2.66	2.47
43.80	19711 / 1992	19712 / 1309	2.56	2.44
43.90	19782 / 763	19783 / 80	2.49	2.23
44.00	19852 / 1582	19853 / 899	2.52	2.96
44.10	19923 / 353	19923 / 1718	2.94	2.77
44.20	19993 / 1172	19994 / 489	2.89	2.38
44.30	20063 / 1991	20064 / 1308	2.53	2.36
44.40	20134 / 762	20135 / 79	2.49	2.64
44.50	20204 / 1581	20205 / 898	2.91	2.48
44.60	20275 / 352	20275 / 1717	2.70	2.29
44.70	20345 / 1171	20346 / 488	2.41	2.45
44.80	20415 / 1990	20416 / 1307	3.30	3.20
44.90	20486 / 761	20487 / 78	2.83	2.95
45.00	20556 / 1580	20557 / 897	2.91	3.19
45.10	20627 / 351	20627 / 1716	2.49	2.48
45.20	20697 / 1170	20698 / 487	2.70	2.61
45.30	20767 / 1989	20768 / 1306	2.92	2.95
45.40	20838 / 760	20839 / 77	2.91	2.45
45.50	20908 / 1579	20909 / 896	2.65	2.62
45.60	20979 / 350	20979 / 1715	3.05	2.84
45.70	21049 / 1169	21050 / 486	2.08	2.45
45.80	21119 / 1988	21120 / 1305	2.16	2.34
45.90	21190 / 759	21191 / 76	2.87	3.25
46.00	21260 / 1578	21261 / 895	2.89	3.38
46.10	21331 / 349	21331 / 1714	2.37	2.41
46.20	21401 / 1168	21402 / 485	1.87	1.91
46.30	21471 / 1987	21472 / 1304	1.50	2.84
46.40	21542 / 758	21543 / 75	2.01	2.42
46.50	21612 / 1577	21613 / 894	2.63	3.42
46.60	21683 / 348	21683 / 1713	2.39	2.27
46.70	21753 / 1167	21754 / 484	3.07	4.34
46.80	21823 / 1986	21824 / 1303	3.42	5.00
46.90	21894 / 757	21895 / 74	2.98	4.12
47.00	21964 / 1576	21965 / 893	3.08	3.81

47.10	22035 / 347	22035 / 1712	2.24	3.13
47.20	22105 / 1166	22106 / 483	2.88	2.78
47.30	22175 / 1985	22176 / 1302	2.81	3.75
47.40	22246 / 756	22247 / 73	2.82	4.68
47.50	22316 / 1575	22317 / 892	2.50	3.63
47.60	22387 / 346	22387 / 1711	2.69	2.62
47.70	22457 / 1165	22458 / 482	2.46	2.97
47.80	22527 / 1984	22528 / 1301	3.08	3.19
47.90	22598 / 755	22599 / 72	2.58	2.27
48.00	22668 / 1574	22669 / 891	2.70	2.94
48.10	22739 / 345	22739 / 1710	3.29	3.91
48.20	22809 / 1164	22810 / 481	2.23	2.63
48.30	22879 / 1983	22880 / 1300	2.87	3.13
48.40	22950 / 754	22951 / 71	3.07	3.86
48.50	23020 / 1573	23021 / 890	2.63	4.07
48.60	23091 / 344	23091 / 1709	2.56	3.64
48.70	23161 / 1163	23162 / 480	3.16	3.19
48.80	23231 / 1982	23232 / 1299	2.81	2.62
48.90	23302 / 753	23303 / 70	2.51	2.17
49.00	23372 / 1572	23373 / 889	2.56	2.35
49.10	23443 / 343	23443 / 1708	2.64	3.32
49.20	23513 / 1162	23514 / 479	2.26	2.22
49.30	23583 / 1981	23584 / 1298	2.99	3.23
49.40	23654 / 752	23655 / 69	2.69	2.47
49.50	23724 / 1571	23725 / 888	3.38	2.08
49.60	23795 / 342	23795 / 1707	2.44	1.98
49.70	23865 / 1161	23866 / 478	1.76	3.41
49.80	23935 / 1980	23936 / 1297	1.56	3.11
49.90	24006 / 751	24007 / 68	1.49	2.39
50.00	24076 / 1570	24077 / 887	1.86	2.58
50.10	24147 / 341	24147 / 1706	1.96	3.04
50.20	24217 / 1160	24218 / 477	2.09	2.41
50.30	24287 / 1979	24288 / 1296	1.81	2.31
50.40	24358 / 750	24359 / 67	1.99	3.33
50.50	24428 / 1569	24429 / 886	2.47	2.66
50.60	24499 / 340	24499 / 1705	2.67	2.35
50.70	24569 / 1159	24570 / 476	1.86	2.15
50.80	24639 / 1978	24640 / 1295	2.26	3.53
50.90	24710 / 749	24711 / 66	1.70	2.05
51.00	24780 / 1568	24781 / 885	2.36	2.54
51.10	24851 / 339	24851 / 1704	1.53	1.72
51.20	24921 / 1158	24922 / 475	1.41	1.69
51.30	24991 / 1977	24992 / 1294	1.38	1.44

51.40	25062 / 748	25063 / 65	1.26	1.41
51.50	25132 / 1567	25133 / 884	1.53	1.49
51.60	25203 / 338	25203 / 1703	1.66	1.49
51.70	25273 / 1157	25274 / 474	1.65	1.75
51.80	25343 / 1976	25344 / 1293	1.69	1.69
51.90	25414 / 747	25415 / 64	1.38	1.42
52.00	25484 / 1566	25485 / 883	2.27	1.76
52.10	25555 / 337	25555 / 1702	1.77	2.40
52.20	25625 / 1156	25626 / 473	1.88	1.73
52.30	25695 / 1975	25696 / 1292	1.60	2.52
52.40	25766 / 746	25767 / 63	1.37	1.90
52.50	25836 / 1565	25837 / 882	1.79	1.78
52.60	25907 / 336	25907 / 1701	1.80	2.12
52.70	25977 / 1155	25978 / 472	0.96	1.77
52.80	26047 / 1974	26048 / 1291	1.93	3.08
52.90	26118 / 745	26119 / 62	1.36	2.08
53.00	26188 / 1564	26189 / 881	1.26	1.29
53.10	26259 / 335	26259 / 1700	1.26	1.44
53.20	26329 / 1154	26330 / 471	1.74	1.69
53.30	26399 / 1973	26400 / 1290	1.85	1.83
53.40	26470 / 744	26471 / 61	1.27	1.80
53.50	26540 / 1563	26541 / 880	1.93	2.07
53.60	26611 / 334	26611 / 1699	1.78	1.96
53.70	26681 / 1153	26682 / 470	1.68	1.76
53.80	26751 / 1972	26752 / 1289	1.53	2.15
53.90	26822 / 743	26823 / 60	2.17	2.25
54.00	26892 / 1562	26893 / 879	1.37	1.39
54.10	26963 / 333	26963 / 1698	1.81	1.95
54.20	27033 / 1152	27034 / 469	2.38	2.39
54.30	27103 / 1971	27104 / 1288	1.62	1.94
54.40	27174 / 742	27175 / 59	1.80	1.95
54.50	27244 / 1561	27245 / 878	1.98	1.71
54.60	27315 / 332	27315 / 1697	1.42	1.91
54.70	27385 / 1151	27386 / 468	1.52	1.85
54.80	27455 / 1970	27456 / 1287	1.13	1.65
54.90	27526 / 741	27527 / 58	1.41	2.60
55.00	27596 / 1560	27597 / 877	1.63	2.61
55.10	27667 / 331	27667 / 1696	0.95	1.65
55.20	27737 / 1150	27738 / 467	1.79	1.75
55.30	27807 / 1969	27808 / 1286	1.48	2.50
55.40	27878 / 740	27879 / 57	1.93	2.52
55.50	27948 / 1559	27949 / 876	1.44	1.87
55.60	28019 / 330	28019 / 1695	1.17	1.98

55.70	28089 / 1149	28090 / 466	1.94	1.96
55.80	28159 / 1968	28160 / 1285	1.89	1.84
55.90	28230 / 739	28231 / 56	1.98	2.58
56.00	28300 / 1558	28301 / 875	2.51	3.00
56.10	28371 / 329	28371 / 1694	2.14	2.43
56.20	28441 / 1148	28442 / 465	2.09	3.10
56.30	28511 / 1967	28512 / 1284	3.08	3.30
56.40	28582 / 738	28583 / 55	2.69	2.75
56.50	28652 / 1557	28653 / 874	2.29	3.22
56.60	28723 / 328	28723 / 1693	2.41	3.01
56.70	28793 / 1147	28794 / 464	3.84	3.27
56.80	28863 / 1966	28864 / 1283	3.81	2.96
56.90	28934 / 737	28935 / 54	2.39	2.02
57.00	29004 / 1556	29005 / 873	2.16	2.08
57.10	29075 / 327	29075 / 1692	2.32	2.56
57.20	29145 / 1146	29146 / 463	2.55	2.84
57.30	29215 / 1965	29216 / 1282	4.46	4.43
57.40	29286 / 736	29287 / 53	2.69	2.53
57.50	29356 / 1555	29357 / 872	2.10	1.90
57.60	29427 / 326	29427 / 1691	2.27	2.22
57.70	29497 / 1145	29498 / 462	2.16	3.03
57.80	29567 / 1964	29568 / 1281	2.41	2.50
57.90	29638 / 735	29639 / 52	2.21	2.47
58.00	29708 / 1554	29709 / 871	2.54	2.33
58.10	29779 / 325	29779 / 1690	2.51	2.27
58.20	29849 / 1144	29850 / 461	2.35	2.83
58.30	29919 / 1963	29920 / 1280	2.24	2.21
58.40	29990 / 734	29991 / 51	2.22	2.44
58.50	30060 / 1553	30061 / 870	2.13	2.62
58.60	30131 / 324	30131 / 1689	2.50	2.42
58.70	30201 / 1143	30202 / 460	2.20	1.99
58.80	30271 / 1962	30272 / 1279	2.08	2.02
58.90	30342 / 733	30343 / 50	2.05	2.02
59.00	30412 / 1552	30413 / 869	2.29	2.74
59.10	30483 / 323	30483 / 1688	1.80	2.35
59.20	30553 / 1142	30554 / 459	2.25	1.98
59.30	30623 / 1961	30624 / 1278	1.90	2.71
59.40	30694 / 732	30695 / 49	2.33	2.83
59.50	30764 / 1551	30765 / 868	2.55	3.26
59.60	30835 / 322	30835 / 1687	2.84	3.56
59.70	30905 / 1141	30906 / 458	3.55	4.40
59.80	30975 / 1960	30976 / 1277	2.82	3.09
59.90	31046 / 731	31047 / 48	2.34	2.30

60.00	31116 / 1550	31117 / 867	2.30	3.45
60.10	31187 / 321	31187 / 1686	2.75	2.83
60.20	31257 / 1140	31258 / 457	2.82	4.10
60.30	31327 / 1959	31328 / 1276	3.04	3.77
60.40	31398 / 730	31399 / 47	2.82	3.11
60.50	31468 / 1549	31469 / 866	3.40	2.55
60.60	31539 / 320	31539 / 1685	2.60	2.88
60.70	31609 / 1139	31610 / 456	2.78	3.26
60.80	31679 / 1958	31680 / 1275	2.49	3.15
60.90	31750 / 729	31751 / 46	2.49	2.96
61.00	31820 / 1548	31821 / 865	2.26	2.77
61.10	31891 / 319	31891 / 1684	1.95	1.76
61.20	31961 / 1138	31962 / 455	2.06	2.97
61.30	32031 / 1957	32032 / 1274	1.75	2.45
61.40	32102 / 728	32103 / 45	2.06	2.09
61.50	32172 / 1547	32173 / 864	2.24	2.06
61.60	32243 / 318	32243 / 1683	1.55	1.64
61.70	32313 / 1137	32314 / 454	1.77	1.75
61.80	32383 / 1956	32384 / 1273	2.12	2.24
61.90	32454 / 727	32455 / 44	2.20	2.36
62.00	32524 / 1546	32525 / 863	1.85	1.70
62.10	32595 / 317	32595 / 1682	1.82	1.96
62.20	32665 / 1136	32666 / 453	1.74	1.76
62.30	32735 / 1955	32736 / 1272	2.05	2.02
62.40	32806 / 726	32807 / 43	2.08	2.13
62.50	32876 / 1545	32877 / 862	2.02	1.71
62.60	32947 / 316	32947 / 1681	1.73	2.13
62.70	33017 / 1135	33018 / 452	2.63	2.22
62.80	33087 / 1954	33088 / 1271	2.07	2.03
62.90	33158 / 725	33159 / 42	2.10	2.08
63.00	33228 / 1544	33229 / 861	2.70	2.30
63.10	33299 / 315	33299 / 1680	2.40	2.30
63.20	33369 / 1134	33370 / 451	1.76	1.62
63.30	33439 / 1953	33440 / 1270	1.93	1.69
63.40	33510 / 724	33511 / 41	2.08	2.03
63.50	33580 / 1543	33581 / 860	1.82	1.98
63.60	33651 / 314	33651 / 1679	2.11	1.81
63.70	33721 / 1133	33722 / 450	2.10	2.22
63.80	33791 / 1952	33792 / 1269	1.89	1.94
63.90	33862 / 723	33863 / 40	2.18	2.00
64.00	33932 / 1542	33933 / 859	4.68	4.77
64.10	34003 / 313	34003 / 1678	2.30	2.14
64.20	34073 / 1132	34074 / 449	2.63	2.64

64.30	34143 / 1951	34144 / 1268	2.18	1.90
64.40	34214 / 722	34215 / 39	2.13	1.97
64.50	34284 / 1541	34285 / 858	2.07	2.24
64.60	34355 / 312	34355 / 1677	2.07	1.89
64.70	34425 / 1131	34426 / 448	2.57	2.47
64.80	34495 / 1950	34496 / 1267	2.41	2.30
64.90	34566 / 721	34567 / 38	2.74	1.94
65.00	34636 / 1540	34637 / 857	2.06	2.67
65.10	34707 / 311	34707 / 1676	1.92	2.43
65.20	34777 / 1130	34778 / 447	2.40	2.66
65.30	34847 / 1949	34848 / 1266	3.12	3.22
65.40	34918 / 720	34919 / 37	2.26	2.70
65.50	34988 / 1539	34989 / 856	1.86	2.47
65.60	35059 / 310	35059 / 1675	2.53	2.85
65.70	35129 / 1129	35130 / 446	2.63	2.51
65.80	35199 / 1948	35200 / 1265	2.58	2.35
65.90	35270 / 719	35271 / 36	2.03	1.59
66.00	35340 / 1538	35341 / 855	2.55	2.05
66.10	35411 / 309	35411 / 1674	2.02	1.86
66.20	35481 / 1128	35482 / 445	2.58	2.97
66.30	35551 / 1947	35552 / 1264	2.07	1.66
66.40	35622 / 718	35623 / 35	1.95	2.33
66.50	35692 / 1537	35693 / 854	2.39	4.02
66.60	35763 / 308	35763 / 1673	2.82	2.99
66.70	35833 / 1127	35834 / 444	2.74	2.94
66.80	35903 / 1946	35904 / 1263	2.03	2.05
66.90	35974 / 717	35975 / 34	1.93	2.01
67.00	36044 / 1536	36045 / 853	1.79	1.91
67.10	36115 / 307	36115 / 1672	1.75	2.29
67.20	36185 / 1126	36186 / 443	1.95	2.02
67.30	36255 / 1945	36256 / 1262	2.29	2.24
67.40	36326 / 716	36327 / 33	2.02	2.34
67.50	36396 / 1535	36397 / 852	2.22	2.99
67.60	36467 / 306	36467 / 1671	3.65	3.60
67.70	36537 / 1125	36538 / 442	1.77	2.75
67.80	36607 / 1944	36608 / 1261	1.74	2.60
67.90	36678 / 715	36679 / 32	1.98	2.34
68.00	36748 / 1534	36749 / 851	1.46	2.06
68.10	36819 / 305	36819 / 1670	1.92	5.08
68.20	36889 / 1124	36890 / 441	1.75	2.37
68.30	36959 / 1943	36960 / 1260	1.96	2.62
68.40	37030 / 714	37031 / 31	2.13	2.51
68.50	37100 / 1533	37101 / 850	2.12	2.41

68.60	37171 / 304	37171 / 1669	1.65	2.08
68.70	37241 / 1123	37242 / 440	1.61	2.56
68.80	37311 / 1942	37312 / 1259	2.62	2.95
68.90	37382 / 713	37383 / 30	2.22	3.24
69.00	37452 / 1532	37453 / 849	2.43	2.90
69.10	37523 / 303	37523 / 1668	1.73	2.04
69.20	37593 / 1122	37594 / 439	2.73	3.20
69.30	37663 / 1941	37664 / 1258	1.79	2.00
69.40	37734 / 712	37735 / 29	2.23	2.27
69.50	37804 / 1531	37805 / 848	2.34	2.86
69.60	37875 / 302	37875 / 1667	2.13	2.09
69.70	37945 / 1121	37946 / 438	2.57	2.80
69.80	38015 / 1940	38016 / 1257	2.09	2.48
69.90	38086 / 711	38087 / 28	2.26	2.76
70.00	38156 / 1530	38157 / 847	1.64	1.94
70.10	38227 / 301	38227 / 1666	1.86	2.43
70.20	38297 / 1120	38298 / 437	1.63	2.08
70.30	38367 / 1939	38368 / 1256	1.75	2.08
70.40	38438 / 710	38439 / 27	1.53	1.94
70.50	38508 / 1529	38509 / 846	1.70	1.81
70.60	38579 / 300	38579 / 1665	1.86	2.54
70.70	38649 / 1119	38650 / 436	1.35	1.72
70.80	38719 / 1938	38720 / 1255	1.92	1.75
70.90	38790 / 709	38791 / 26	1.89	1.87
71.00	38860 / 1528	38861 / 845	2.02	2.17
71.10	38931 / 299	38931 / 1664	1.88	2.09
71.20	39001 / 1118	39002 / 435	2.34	2.50
71.30	39071 / 1937	39072 / 1254	2.23	2.65
71.40	39142 / 708	39143 / 25	2.02	2.67
71.50	39212 / 1527	39213 / 844	1.86	1.61
71.60	39283 / 298	39283 / 1663	1.83	1.64
71.70	39353 / 1117	39354 / 434	1.79	1.63
71.80	39423 / 1936	39424 / 1253	1.53	1.49
71.90	39494 / 707	39495 / 24	1.66	1.63
72.00	39564 / 1526	39565 / 843	1.53	1.48
72.10	39635 / 297	39635 / 1662	1.59	1.55
72.20	39705 / 1116	39706 / 433	1.83	1.79
72.30	39775 / 1935	39776 / 1252	1.98	1.78
72.40	39846 / 706	39847 / 23	1.60	2.40
72.50	39916 / 1525	39917 / 842	1.54	1.28
72.60	39987 / 296	39987 / 1661	1.67	1.58
72.70	40057 / 1115	40058 / 432	1.81	1.47
72.80	40127 / 1934	40128 / 1251	2.01	1.91

72.90	40198 / 705	40199 / 22	1.45	1.31
73.00	40268 / 1524	40269 / 841	1.47	1.49
73.10	40339 / 295	40339 / 1660	1.73	1.50
73.20	40409 / 1114	40410 / 431	1.59	1.44
73.30	40479 / 1933	40480 / 1250	2.97	2.23
73.40	40550 / 704	40551 / 21	2.43	2.76
73.50	40620 / 1523	40621 / 840	2.15	2.10
73.60	40691 / 294	40691 / 1659	2.49	2.34
73.70	40761 / 1113	40762 / 430	2.56	2.36
73.80	40831 / 1932	40832 / 1249	2.64	2.29
73.90	40902 / 703	40903 / 20	2.20	2.02
74.00	40972 / 1522	40973 / 839	2.21	2.00
74.10	41043 / 293	41043 / 1658	2.25	1.96
74.20	41113 / 1112	41114 / 429	2.50	2.14
74.30	41183 / 1931	41184 / 1248	2.47	2.19
74.40	41254 / 702	41255 / 19	2.35	2.04
74.50	41324 / 1521	41325 / 838	3.21	2.84
74.60	41395 / 292	41395 / 1657	2.37	2.03
74.70	41465 / 1111	41466 / 428	2.03	1.72
74.80	41535 / 1930	41536 / 1247	1.80	2.20
74.90	41606 / 701	41607 / 18	1.87	1.83
75.00	41676 / 1520	41677 / 837	2.23	2.15
75.10	41747 / 291	41747 / 1656	2.04	1.85
75.20	41817 / 1110	41818 / 427	1.83	1.67
75.30	41887 / 1929	41888 / 1246	2.34	2.44
75.40	41958 / 700	41959 / 17	2.03	2.06
75.50	42028 / 1519	42029 / 836	1.88	1.82
75.60	42099 / 290	42099 / 1655	1.79	1.73
75.70	42169 / 1109	42170 / 426	1.69	1.68
75.80	42239 / 1928	42240 / 1245	1.60	1.24
75.90	42310 / 699	42311 / 16	1.67	1.28
76.00	42380 / 1518	42381 / 835	1.77	1.64
76.10	42451 / 289	42451 / 1654	1.91	1.88
76.20	42521 / 1108	42522 / 425	1.89	1.82
76.30	42591 / 1927	42592 / 1244	2.26	2.13
76.40	42662 / 698	42663 / 15	2.08	2.01
76.50	42732 / 1517	42733 / 834	2.29	2.55
76.60	42803 / 288	42803 / 1653	2.05	1.90
76.70	42873 / 1107	42874 / 424	1.90	1.78
76.80	42943 / 1926	42944 / 1243	2.06	1.81
76.90	43014 / 697	43015 / 14	2.00	1.75
77.00	43084 / 1516	43085 / 833	1.83	1.68
77.10	43155 / 287	43155 / 1652	2.26	2.11

77.20	43225 / 1106	43226 / 423	2.13	2.15
77.30	43295 / 1925	43296 / 1242	2.28	2.00
77.40	43366 / 696	43367 / 13	2.33	2.21
77.50	43436 / 1515	43437 / 832	1.80	1.61
77.60	43507 / 286	43507 / 1651	1.98	1.58
77.70	43577 / 1105	43578 / 422	1.87	2.35
77.80	43647 / 1924	43648 / 1241	1.95	1.93
77.90	43718 / 695	43719 / 12	2.48	2.31
78.00	43788 / 1514	43789 / 831	2.26	2.42
78.10	43859 / 285	43859 / 1650	2.18	2.69
78.20	43929 / 1104	43930 / 421	2.40	2.37
78.30	43999 / 1923	44000 / 1240	1.83	1.85
78.40	44070 / 694	44071 / 11	2.11	1.96
78.50	44140 / 1513	44141 / 830	2.00	1.86
78.60	44211 / 284	44211 / 1649	1.92	1.89
78.70	44281 / 1103	44282 / 420	1.67	1.71
78.80	44351 / 1922	44352 / 1239	1.82	1.72
78.90	44422 / 693	44423 / 10	1.87	1.90
79.00	44492 / 1512	44493 / 829	2.46	2.34
79.10	44563 / 283	44563 / 1648	2.24	2.23
79.20	44633 / 1102	44634 / 419	1.91	1.64
79.30	44703 / 1921	44704 / 1238	2.20	2.89
79.40	44774 / 692	44775 / 9	1.59	1.89
79.50	44844 / 1511	44845 / 828	1.86	2.06
79.60	44915 / 282	44915 / 1647	1.71	1.40
79.70	44985 / 1101	44986 / 418	1.95	2.02
79.80	45055 / 1920	45056 / 1237	1.87	1.64
79.90	45126 / 691	45127 / 8	2.05	2.47
80.00	45196 / 1510	45197 / 827	2.19	2.38
80.10	45267 / 281	45267 / 1646	1.63	2.19
80.20	45337 / 1100	45338 / 417	1.96	2.43
80.30	45407 / 1919	45408 / 1236	1.90	1.98
80.40	45478 / 690	45479 / 7	2.26	2.17
80.50	45548 / 1509	45549 / 826	2.16	2.15
80.60	45619 / 280	45619 / 1645	2.04	2.14
80.70	45689 / 1099	45690 / 416	1.71	1.56
80.80	45759 / 1918	45760 / 1235	2.27	2.11
80.90	45830 / 689	45831 / 6	2.03	2.00
81.00	45900 / 1508	45901 / 825	1.83	1.74
81.10	45971 / 279	45971 / 1644	2.25	2.60
81.20	46041 / 1098	46042 / 415	2.03	2.25
81.30	46111 / 1917	46112 / 1234	1.70	2.05
81.40	46182 / 688	46183 / 5	2.38	2.56

81.50	46252 / 1507	46253 / 824	2.32	2.15
81.60	46323 / 278	46323 / 1643	2.25	1.82
81.70	46393 / 1097	46394 / 414	2.11	2.05
81.80	46463 / 1916	46464 / 1233	1.86	1.70
81.90	46534 / 687	46535 / 4	1.85	1.93
82.00	46604 / 1506	46605 / 823	2.12	2.55
82.10	46675 / 277	46675 / 1642	1.50	1.46
82.20	46745 / 1096	46746 / 413	1.55	1.66
82.30	46815 / 1915	46816 / 1232	1.65	1.27
82.40	46886 / 686	46887 / 3	1.77	1.50
82.50	46956 / 1505	46957 / 822	1.81	1.59
82.60	47027 / 276	47027 / 1641	1.85	1.58
82.70	47097 / 1095	47098 / 412	1.83	1.54
82.80	47167 / 1914	47168 / 1231	1.83	1.54
82.90	47238 / 685	47239 / 2	1.82	1.56
83.00	47308 / 1504	47309 / 821	1.83	1.68
83.10	47379 / 275	47379 / 1640	1.81	1.52
83.20	47449 / 1094	47450 / 411	1.83	1.63
83.30	47519 / 1913	47520 / 1230	1.79	1.51
83.40	47590 / 684	47591 / 1	2.11	1.86
83.50	47660 / 1503	47661 / 820	2.30	1.80
83.60	47731 / 274	47731 / 1639	2.08	1.39
83.70	47801 / 1093	47802 / 410	1.59	1.60
83.80	47871 / 1912	47872 / 1229	1.99	1.89
83.90	47942 / 683	47943 / 0	2.11	1.72
84.00	48012 / 1502	48013 / 819	2.50	2.90
84.10	48083 / 273	48083 / 1638	2.21	1.92
84.20	48153 / 1092	48154 / 409	1.96	1.61
84.30	48223 / 1911	48224 / 1228	2.76	2.17
84.40	48294 / 682	48294 / 2047	2.30	1.35
84.50	48364 / 1501	48365 / 818	2.12	3.04
84.60	48435 / 272	48435 / 1637	1.93	1.89
84.70	48505 / 1091	48506 / 408	1.94	1.51
84.80	48575 / 1910	48576 / 1227	1.45	1.24
84.90	48646 / 681	48646 / 2046	1.88	1.94
85.00	48716 / 1500	48717 / 817	1.27	1.02
85.10	48787 / 271	48787 / 1636	1.56	1.21
85.20	48857 / 1090	48858 / 407	1.47	1.43
85.30	48927 / 1909	48928 / 1226	1.29	1.26
85.40	48998 / 680	48998 / 2045	1.66	1.48
85.50	49068 / 1499	49069 / 816	1.70	2.25
85.60	49139 / 270	49139 / 1635	2.49	2.85
85.70	49209 / 1089	49210 / 406	2.49	2.20

85.80	49279 / 1908	49280 / 1225	2.38	1.96
85.90	49350 / 679	49350 / 2044	1.43	2.10
86.00	49420 / 1498	49421 / 815	1.65	1.34
86.10	49491 / 269	49491 / 1634	2.03	1.72
86.20	49561 / 1088	49562 / 405	2.18	2.53
86.30	49631 / 1907	49632 / 1224	2.96	4.65
86.40	49702 / 678	49702 / 2043	2.16	2.42
86.50	49772 / 1497	49773 / 814	1.78	1.85
86.60	49843 / 268	49843 / 1633	1.56	1.63
86.70	49913 / 1087	49914 / 404	1.99	2.38
86.80	49983 / 1906	49984 / 1223	2.11	2.09
86.90	50054 / 677	50054 / 2042	1.72	2.51
87.00	50124 / 1496	50125 / 813	1.63	2.33
87.10	50195 / 267	50195 / 1632	2.04	1.99
87.20	50265 / 1086	50266 / 403	2.61	2.39
87.30	50335 / 1905	50336 / 1222	2.09	2.54
87.40	50406 / 676	50406 / 2041	1.82	2.25
87.50	50476 / 1495	50477 / 812	1.95	2.10
87.60	50547 / 266	50547 / 1631	1.49	1.86
87.70	50617 / 1085	50618 / 402	3.23	4.66
87.80	50687 / 1904	50688 / 1221	2.28	2.75
87.90	50758 / 675	50758 / 2040	1.77	1.91
88.00	50828 / 1494	50829 / 811	1.45	1.53
88.10	50899 / 265	50899 / 1630	1.17	1.29
88.20	50969 / 1084	50970 / 401	1.70	1.74
88.30	51039 / 1903	51040 / 1220	1.34	1.33
88.40	51110 / 674	51110 / 2039	1.51	1.57
88.50	51180 / 1493	51181 / 810	1.95	2.02
88.60	51251 / 264	51251 / 1629	1.94	2.42
88.70	51321 / 1083	51322 / 400	1.85	1.98
88.80	51391 / 1902	51392 / 1219	2.35	2.24
88.90	51462 / 673	51462 / 2038	2.08	1.70
89.00	51532 / 1492	51533 / 809	1.64	1.52
89.10	51603 / 263	51603 / 1628	1.83	1.68
89.20	51673 / 1082	51674 / 399	1.39	1.33
89.30	51743 / 1901	51744 / 1218	1.73	1.76
89.40	51814 / 672	51814 / 2037	1.83	1.64
89.50	51884 / 1491	51885 / 808	1.90	2.01
89.60	51955 / 262	51955 / 1627	1.81	1.97
89.70	52025 / 1081	52026 / 398	1.94	2.02
89.80	52095 / 1900	52096 / 1217	1.74	1.38
89.90	52166 / 671	52166 / 2036	1.85	1.81
90.00	52236 / 1490	52237 / 807	2.08	2.04

90.10	52307 / 261	52307 / 1626	1.82	1.75
90.20	52377 / 1080	52378 / 397	1.85	1.97
90.30	52447 / 1899	52448 / 1216	1.49	1.87
90.40	52518 / 670	52518 / 2035	1.59	1.86
90.50	52588 / 1489	52589 / 806	1.11	1.65
90.60	52659 / 260	52659 / 1625	1.37	1.92
90.70	52729 / 1079	52730 / 396	1.76	3.20
90.80	52799 / 1898	52800 / 1215	2.26	3.48
90.90	52870 / 669	52870 / 2034	2.24	3.61
91.00	52940 / 1488	52941 / 805	1.24	1.66
91.10	53011 / 259	53011 / 1624	1.60	1.84
91.20	53081 / 1078	53082 / 395	1.88	1.79
91.30	53151 / 1897	53152 / 1214	1.51	2.07
91.40	53222 / 668	53222 / 2033	2.07	4.62
91.50	53292 / 1487	53293 / 804	1.49	1.92
91.60	53363 / 258	53363 / 1623	1.80	1.95
91.70	53433 / 1077	53434 / 394	1.19	1.52
91.80	53503 / 1896	53504 / 1213	1.62	2.00
91.90	53574 / 667	53574 / 2032	2.02	1.99
92.00	53644 / 1486	53645 / 803	1.28	1.35
92.10	53715 / 257	53715 / 1622	2.17	2.06
92.20	53785 / 1076	53786 / 393	1.29	1.13
92.30	53855 / 1895	53856 / 1212	1.77	1.59
92.40	53926 / 666	53926 / 2031	2.39	3.74
92.50	53996 / 1485	53997 / 802	1.65	1.36
92.60	54067 / 256	54067 / 1621	2.05	1.74
92.70	54137 / 1075	54138 / 392	1.73	1.70
92.80	54207 / 1894	54208 / 1211	1.67	1.65
92.90	54278 / 665	54278 / 2030	1.77	1.80
93.00	54348 / 1484	54349 / 801	2.92	3.16
93.10	54419 / 255	54419 / 1620	1.75	1.60
93.20	54489 / 1074	54490 / 391	2.12	2.16
93.30	54559 / 1893	54560 / 1210	1.90	1.81
93.40	54630 / 664	54630 / 2029	2.39	2.08
93.50	54700 / 1483	54701 / 800	1.98	1.62
93.60	54771 / 254	54771 / 1619	2.17	2.06
93.70	54841 / 1073	54842 / 390	1.77	1.74
93.80	54911 / 1892	54912 / 1209	2.40	3.14
93.90	54982 / 663	54982 / 2028	1.78	1.57
94.00	55052 / 1482	55053 / 799	1.89	2.17
94.10	55123 / 253	55123 / 1618	2.01	1.57
94.20	55193 / 1072	55194 / 389	2.30	2.69
94.30	55263 / 1891	55264 / 1208	2.74	2.82

94.40	55334 / 662	55334 / 2027	2.36	2.30
94.50	55404 / 1481	55405 / 798	1.74	2.01
94.60	55475 / 252	55475 / 1617	2.21	2.21
94.70	55545 / 1071	55546 / 388	2.02	1.98
94.80	55615 / 1890	55616 / 1207	1.58	1.51
94.90	55686 / 661	55686 / 2026	1.65	1.79
95.00	55756 / 1480	55757 / 797	2.02	2.04
95.10	55827 / 251	55827 / 1616	2.04	2.21
95.20	55897 / 1070	55898 / 387	1.58	1.44
95.30	55967 / 1889	55968 / 1206	1.71	1.73
95.40	56038 / 660	56038 / 2025	1.85	1.82
95.50	56108 / 1479	56109 / 796	2.23	2.16
95.60	56179 / 250	56179 / 1615	2.40	2.95
95.70	56249 / 1069	56250 / 386	2.04	2.29
95.80	56319 / 1888	56320 / 1205	2.26	3.25
95.90	56390 / 659	56390 / 2024	2.82	4.86
96.00	56460 / 1478	56461 / 795	2.45	2.21
96.10	56531 / 249	56531 / 1614	2.42	2.02
96.20	56601 / 1068	56602 / 385	1.96	1.88
96.30	56671 / 1887	56672 / 1204	1.21	1.18
96.40	56742 / 658	56742 / 2023	2.31	1.61
96.50	56812 / 1477	56813 / 794	1.88	1.46
96.60	56883 / 248	56883 / 1613	1.66	1.60
96.70	56953 / 1067	56954 / 384	2.03	1.43
96.80	57023 / 1886	57024 / 1203	2.42	1.94
96.90	57094 / 657	57094 / 2022	2.32	2.10
97.00	57164 / 1476	57165 / 793	1.68	1.45
97.10	57235 / 247	57235 / 1612	1.56	2.09
97.20	57305 / 1066	57306 / 383	1.66	1.31
97.30	57375 / 1885	57376 / 1202	1.68	2.30
97.40	57446 / 656	57446 / 2021	2.04	2.06
97.50	57516 / 1475	57517 / 792	1.79	1.94
97.60	57587 / 246	57587 / 1611	2.42	2.86
97.70	57657 / 1065	57658 / 382	1.88	2.13
97.80	57727 / 1884	57728 / 1201	2.47	2.65
97.90	57798 / 655	57798 / 2020	2.49	2.37
98.00	57868 / 1474	57869 / 791	1.64	1.68
98.10	57939 / 245	57939 / 1610	3.97	5.23
98.20	58009 / 1064	58010 / 381	1.85	2.17
98.30	58079 / 1883	58080 / 1200	7.97	6.17
98.40	58150 / 654	58150 / 2019	2.64	2.23
98.50	58220 / 1473	58221 / 790	1.70	1.66
98.60	58291 / 244	58291 / 1609	1.70	1.36

98.70	58361 / 1063	58362 / 380	1.77	1.62
98.80	58431 / 1882	58432 / 1199	1.83	2.05
98.90	58502 / 653	58502 / 2018	2.27	3.71
99.00	58572 / 1472	58573 / 789	2.23	2.12
99.10	58643 / 243	58643 / 1608	2.47	3.42
99.20	58713 / 1062	58714 / 379	2.06	1.98
99.30	58783 / 1881	58784 / 1198	1.79	1.73
99.40	58854 / 652	58854 / 2017	2.07	1.59
99.50	58924 / 1471	58925 / 788	2.08	2.41
99.60	58995 / 242	58995 / 1607	1.99	2.01
99.70	59065 / 1061	59066 / 378	2.41	2.05
99.80	59135 / 1880	59136 / 1197	2.49	2.48
99.90	59206 / 651	59206 / 2016	1.77	1.51
100.00	59276 / 1470	59277 / 787	2.59	2.15
100.10	59347 / 241	59347 / 1606	2.53	2.19
100.20	59417 / 1060	59418 / 377	2.10	1.88
100.30	59487 / 1879	59488 / 1196	2.79	2.45
100.40	59558 / 650	59558 / 2015	2.00	1.78
100.50	59628 / 1469	59629 / 786	1.72	2.02
100.60	59699 / 240	59699 / 1605	2.72	3.23
100.70	59769 / 1059	59770 / 376	2.95	3.40
100.80	59839 / 1878	59840 / 1195	3.17	3.50
100.90	59910 / 649	59910 / 2014	2.94	3.41
101.00	59980 / 1468	59981 / 785	2.44	3.04
101.10	60051 / 239	60051 / 1604	2.07	2.68
101.20	60121 / 1058	60122 / 375	2.75	3.69
101.30	60191 / 1877	60192 / 1194	1.76	1.98
101.40	60262 / 648	60262 / 2013	2.44	2.93
101.50	60332 / 1467	60333 / 784	3.62	4.44
101.60	60403 / 238	60403 / 1603	2.19	3.02
101.70	60473 / 1057	60474 / 374	1.87	2.71
101.80	60543 / 1876	60544 / 1193	2.43	4.13
101.90	60614 / 647	60614 / 2012	2.10	3.11
102.00	60684 / 1466	60685 / 783	1.51	2.77
102.10	60755 / 237	60755 / 1602	1.49	1.91
102.20	60825 / 1056	60826 / 373	1.87	2.35
102.30	60895 / 1875	60896 / 1192	2.16	2.84
102.40	60966 / 646	60966 / 2011	2.07	3.09
102.50	61036 / 1465	61037 / 782	1.70	1.51
102.60	61107 / 236	61107 / 1601	1.83	1.57
102.70	61177 / 1055	61178 / 372	1.73	1.50
102.80	61247 / 1874	61248 / 1191	1.51	1.27
102.90	61318 / 645	61318 / 2010	3.08	3.00

103.00	61388 / 1464	61389 / 781	3.05	2.79
103.10	61459 / 235	61459 / 1600	2.39	2.33
103.20	61529 / 1054	61530 / 371	2.36	2.04
103.30	61599 / 1873	61600 / 1190	2.88	2.05
103.40	61670 / 644	61670 / 2009	2.21	1.93
103.50	61740 / 1463	61741 / 780	2.32	2.20
103.60	61811 / 234	61811 / 1599	2.05	1.78
103.70	61881 / 1053	61882 / 370	2.56	2.09
103.80	61951 / 1872	61952 / 1189	2.26	1.98
103.90	62022 / 643	62022 / 2008	2.05	1.78
104.00	62092 / 1462	62093 / 779	2.16	1.79
104.10	62163 / 233	62163 / 1598	2.16	1.99
104.20	62233 / 1052	62234 / 369	2.68	1.86
104.30	62303 / 1871	62304 / 1188	2.03	1.80
104.40	62374 / 642	62374 / 2007	2.12	1.99
104.50	62444 / 1461	62445 / 778	3.12	1.37
104.60	62515 / 232	62515 / 1597	2.00	1.72
104.70	62585 / 1051	62586 / 368	1.70	1.59
104.80	62655 / 1870	62656 / 1187	1.81	1.58
104.90	62726 / 641	62726 / 2006	3.99	2.27
105.00	62796 / 1460	62797 / 777	2.14	1.71
105.10	62867 / 231	62867 / 1596	3.58	1.77
105.20	62937 / 1050	62938 / 367	1.98	1.64
105.30	63007 / 1869	63008 / 1186	2.21	1.83
105.40	63078 / 640	63078 / 2005	2.09	1.74
105.50	63148 / 1459	63149 / 776	2.24	2.08
105.60	63219 / 230	63219 / 1595	2.09	1.84
105.70	63289 / 1049	63290 / 366	2.06	1.91
105.80	63359 / 1868	63360 / 1185	2.12	1.88
105.90	63430 / 639	63430 / 2004	2.06	1.77
106.00	63500 / 1458	63501 / 775	2.26	1.84
106.10	63571 / 229	63571 / 1594	2.04	1.75
106.20	63641 / 1048	63642 / 365	2.10	1.82
106.30	63711 / 1867	63712 / 1184	2.14	1.83
106.40	63782 / 638	63782 / 2003	2.07	1.87
106.50	63852 / 1457	63853 / 774	2.12	1.91
106.60	63923 / 228	63923 / 1593	2.63	2.46
106.70	63993 / 1047	63994 / 364	2.68	3.03
106.80	64063 / 1866	64064 / 1183	2.45	2.70
106.90	64134 / 637	64134 / 2002	2.45	2.13
107.00	64204 / 1456	64205 / 773	2.38	2.39
107.10	64275 / 227	64275 / 1592	2.11	1.84
107.20	64345 / 1046	64346 / 363	1.58	1.62

107.30	64415 / 1865	64416 / 1182	1.98	1.66
107.40	64486 / 636	64486 / 2001	2.30	2.02
107.50	64556 / 1455	64557 / 772	2.02	2.01
107.60	64627 / 226	64627 / 1591	1.91	1.82
107.70	64697 / 1045	64698 / 362	2.07	1.85
107.80	64767 / 1864	64768 / 1181	2.19	1.97
107.90	64838 / 635	64838 / 2000	2.25	1.99
108.00	64908 / 1454	64909 / 771	2.10	1.62
108.10	64979 / 225	64979 / 1590	2.04	1.83
108.20	65049 / 1044	65050 / 361	1.96	1.80
108.30	65119 / 1863	65120 / 1180	2.01	1.81
108.40	65190 / 634	65190 / 1999	2.06	1.70
108.50	65260 / 1453	65261 / 770	2.16	1.78
108.60	65331 / 224	65331 / 1589	2.18	1.82
108.70	65401 / 1043	65402 / 360	2.08	1.83
108.80	65471 / 1862	65472 / 1179	2.05	1.78
108.90	65542 / 633	65542 / 1998	1.95	1.73
109.00	65612 / 1452	65613 / 769	2.02	1.75
109.10	65683 / 223	65683 / 1588	2.11	1.75
109.20	65753 / 1042	65754 / 359	2.06	1.79
109.30	65823 / 1861	65824 / 1178	1.99	1.71
109.40	65894 / 632	65894 / 1997	1.99	1.66
109.50	65964 / 1451	65965 / 768	2.11	1.87
109.60	66035 / 222	66035 / 1587	2.19	2.50
109.70	66105 / 1041	66106 / 358	2.52	2.30
109.80	66175 / 1860	66176 / 1177	2.71	2.38
109.90	66246 / 631	66246 / 1996	2.23	1.84
110.00	66316 / 1450	66317 / 767	2.33	1.80
110.10	66387 / 221	66387 / 1586	2.64	1.99
110.20	0 / 0	0 / 1365	2.84	2.91
110.30	70 / 819	71 / 136	2.70	2.21
110.40	140 / 1638	141 / 955	2.49	2.12
110.50	211 / 409	211 / 1774	2.48	2.15
110.60	281 / 1228	282 / 545	2.55	2.54
110.70	351 / 2047	352 / 1364	1.83	1.69
110.80	422 / 818	423 / 135	2.39	2.56
110.90	492 / 1637	493 / 954	1.84	2.00
111.00	563 / 408	563 / 1773	2.00	2.30
111.10	633 / 1227	634 / 544	1.86	2.09
111.20	703 / 2046	704 / 1363	1.92	1.63
111.30	774 / 817	775 / 134	1.94	1.66
111.40	844 / 1636	845 / 953	2.10	1.66
111.50	915 / 407	915 / 1772	1.94	2.29

111.60	985 / 1226	986 / 543	1.94	1.61
111.70	1055 / 2045	1056 / 1362	1.90	2.12
111.80	1126 / 816	1127 / 133	1.85	2.10
111.90	1196 / 1635	1197 / 952	2.93	3.10
112.00	1267 / 406	1267 / 1771	2.39	3.12
112.10	1337 / 1225	1338 / 542	2.86	2.52
112.20	1407 / 2044	1408 / 1361	2.72	3.07
112.30	1478 / 815	1479 / 132	2.64	2.86
112.40	1548 / 1634	1549 / 951	2.74	2.35
112.50	1619 / 405	1619 / 1770	2.83	2.42
112.60	1689 / 1224	1690 / 541	2.90	2.38
112.70	1759 / 2043	1760 / 1360	2.56	2.21
112.80	1830 / 814	1831 / 131	2.62	3.07
112.90	1900 / 1633	1901 / 950	2.64	2.44
113.00	1971 / 404	1971 / 1769	2.66	2.31
113.10	2041 / 1223	2042 / 540	2.46	3.07
113.20	2111 / 2042	2112 / 1359	2.54	3.01
113.30	2182 / 813	2183 / 130	2.37	2.93
113.40	2252 / 1632	2253 / 949	2.92	2.20
113.50	2323 / 403	2323 / 1768	2.57	2.44
113.60	2393 / 1222	2394 / 539	2.76	2.44
113.70	2463 / 2041	2464 / 1358	2.57	2.95
113.80	2534 / 812	2535 / 129	2.75	2.78
113.90	2604 / 1631	2605 / 948	2.76	2.46
114.00	2675 / 402	2675 / 1767	2.79	2.32
114.10	2745 / 1221	2746 / 538	2.91	2.97
114.20	2815 / 2040	2816 / 1357	2.86	2.54
114.30	2886 / 811	2887 / 128	2.66	2.25
114.40	2956 / 1630	2957 / 947	2.73	2.31
114.50	3027 / 401	3027 / 1766	2.88	2.52
114.60	3097 / 1220	3098 / 537	2.51	3.06
114.70	3167 / 2039	3168 / 1356	2.50	3.55
114.80	3238 / 810	3239 / 127	2.82	2.28
114.90	3308 / 1629	3309 / 946	2.78	3.48
115.00	3379 / 400	3379 / 1765	2.71	3.21
115.10	3449 / 1219	3450 / 536	2.63	2.36
115.20	3519 / 2038	3520 / 1355	2.67	2.32
115.30	3590 / 809	3591 / 126	3.11	3.18
115.40	3660 / 1628	3661 / 945	2.41	2.88
115.50	3731 / 399	3731 / 1764	2.64	2.33
115.60	3801 / 1218	3802 / 535	2.79	2.26
115.70	3871 / 2037	3872 / 1354	2.80	2.59
115.80	3942 / 808	3943 / 125	2.63	2.15

115.90	4012 / 1627	4013 / 944	2.55	2.61
116.00	4083 / 398	4083 / 1763	2.96	2.52
116.10	4153 / 1217	4154 / 534	2.86	2.62
116.20	4223 / 2036	4224 / 1353	2.91	2.66
116.30	4294 / 807	4295 / 124	2.83	3.02
116.40	4364 / 1626	4365 / 943	2.58	2.69
116.50	4435 / 397	4435 / 1762	2.60	3.06
116.60	4505 / 1216	4506 / 533	2.87	2.42
116.70	4575 / 2035	4576 / 1352	2.67	2.41
116.80	4646 / 806	4647 / 123	2.63	2.31
116.90	4716 / 1625	4717 / 942	2.63	3.03
117.00	4787 / 396	4787 / 1761	2.59	3.30
117.10	4857 / 1215	4858 / 532	2.88	2.65
117.20	4927 / 2034	4928 / 1351	2.77	3.57
117.30	4998 / 805	4999 / 122	2.66	3.84
117.40	5068 / 1624	5069 / 941	2.81	2.92
117.50	5139 / 395	5139 / 1760	3.00	2.56
117.60	5209 / 1214	5210 / 531	2.75	2.37
117.70	5279 / 2033	5280 / 1350	2.72	2.52
117.80	5350 / 804	5351 / 121	2.70	3.71
117.90	5420 / 1623	5421 / 940	2.87	2.45
118.00	5491 / 394	5491 / 1759	2.79	2.45
118.10	5561 / 1213	5562 / 530	2.92	2.35
118.20	5631 / 2032	5632 / 1349	2.74	2.44
118.30	5702 / 803	5703 / 120	2.49	3.21
118.40	5772 / 1622	5773 / 939	2.78	2.40
118.50	5843 / 393	5843 / 1758	2.69	2.40
118.60	5913 / 1212	5914 / 529	2.50	2.46
118.70	5983 / 2031	5984 / 1348	2.57	3.05
118.80	6054 / 802	6055 / 119	2.91	2.50
118.90	6124 / 1621	6125 / 938	2.80	3.34
119.00	6195 / 392	6195 / 1757	2.67	2.28
119.10	6265 / 1211	6266 / 528	2.51	3.12
119.20	6335 / 2030	6336 / 1347	2.61	2.41
119.30	6406 / 801	6407 / 118	2.74	2.78
119.40	6476 / 1620	6477 / 937	2.57	2.41
119.50	6547 / 391	6547 / 1756	2.48	2.96
119.60	6617 / 1210	6618 / 527	2.68	2.38
119.70	6687 / 2029	6688 / 1346	2.72	2.30
119.80	6758 / 800	6759 / 117	2.78	3.32
119.90	6828 / 1619	6829 / 936	2.61	3.57
120.00	6899 / 390	6899 / 1755	2.53	3.63
120.10	6969 / 1209	6970 / 526	2.68	2.31

120.20	7039 / 2028	7040 / 1345	2.73	2.51
120.30	7110 / 799	7111 / 116	2.69	2.06
120.40	7180 / 1618	7181 / 935	2.59	2.22
120.50	7251 / 389	7251 / 1754	2.40	2.10
120.60	7321 / 1208	7322 / 525	2.61	3.60
120.70	7391 / 2027	7392 / 1344	2.55	2.66
120.80	7462 / 798	7463 / 115	2.73	2.38
120.90	7532 / 1617	7533 / 934	2.79	2.51
121.00	7603 / 388	7603 / 1753	2.65	2.39
121.10	7673 / 1207	7674 / 524	2.54	2.57
121.20	7743 / 2026	7744 / 1343	2.51	2.29
121.30	7814 / 797	7815 / 114	2.86	2.54
121.40	7884 / 1616	7885 / 933	2.37	3.16
121.50	7955 / 387	7955 / 1752	2.84	3.25
121.60	8025 / 1206	8026 / 523	2.78	2.43
121.70	8095 / 2025	8096 / 1342	2.78	2.54
121.80	8166 / 796	8167 / 113	2.63	3.15
121.90	8236 / 1615	8237 / 932	2.63	3.26
122.00	8307 / 386	8307 / 1751	2.76	3.62
122.10	8377 / 1205	8378 / 522	2.66	2.68
122.20	8447 / 2024	8448 / 1341	2.66	2.49
122.30	8518 / 795	8519 / 112	2.72	2.62
122.40	8588 / 1614	8589 / 931	2.60	3.09
122.50	8659 / 385	8659 / 1750	2.50	3.08
122.60	8729 / 1204	8730 / 521	2.62	2.39
122.70	8799 / 2023	8800 / 1340	2.59	3.38
122.80	8870 / 794	8871 / 111	2.88	2.70
122.90	8940 / 1613	8941 / 930	2.72	2.36
123.00	9011 / 384	9011 / 1749	2.44	3.52
123.10	9081 / 1203	9082 / 520	2.70	2.33
123.20	9151 / 2022	9152 / 1339	2.68	2.56
123.30	9222 / 793	9223 / 110	2.85	2.37
123.40	9292 / 1612	9293 / 929	2.66	2.37
123.50	9363 / 383	9363 / 1748	2.69	2.17
123.60	9433 / 1202	9434 / 519	2.68	2.36
123.70	9503 / 2021	9504 / 1338	2.60	2.58
123.80	9574 / 792	9575 / 109	2.48	2.43
123.90	9644 / 1611	9645 / 928	2.79	2.27
124.00	9715 / 382	9715 / 1747	2.37	2.13
124.10	9785 / 1201	9786 / 518	2.45	2.09
124.20	9855 / 2020	9856 / 1337	2.40	2.21
124.30	9926 / 791	9927 / 108	2.31	1.96
124.40	9996 / 1610	9997 / 927	2.34	2.02

124.50	10067 / 381	10067 / 1746	2.52	2.23
124.60	10137 / 1200	10138 / 517	2.44	2.09
124.70	10207 / 2019	10208 / 1336	2.51	2.90
124.80	10278 / 790	10279 / 107	2.33	2.06
124.90	10348 / 1609	10349 / 926	2.41	1.87
125.00	10419 / 380	10419 / 1745	2.26	2.98
125.10	10489 / 1199	10490 / 516	2.24	1.94
125.20	10559 / 2018	10560 / 1335	2.38	2.04
125.30	10630 / 789	10631 / 106	2.21	3.70
125.40	10700 / 1608	10701 / 925	2.38	2.03
125.50	10771 / 379	10771 / 1744	2.42	3.07
125.60	10841 / 1198	10842 / 515	2.30	2.43
125.70	10911 / 2017	10912 / 1334	2.30	1.97
125.80	10982 / 788	10983 / 105	2.33	2.93
125.90	11052 / 1607	11053 / 924	2.39	1.97
126.00	11123 / 378	11123 / 1743	2.11	2.82
126.10	11193 / 1197	11194 / 514	2.78	2.37
126.20	11263 / 2016	11264 / 1333	2.48	2.28
126.30	11334 / 787	11335 / 104	2.38	3.01
126.40	11404 / 1606	11405 / 923	2.39	2.18
126.50	11475 / 377	11475 / 1742	2.37	1.95
126.60	11545 / 1196	11546 / 513	2.41	2.42
126.70	11615 / 2015	11616 / 1332	2.37	2.03
126.80	11686 / 786	11687 / 103	2.13	2.53
126.90	11756 / 1605	11757 / 922	2.40	2.99
127.00	11827 / 376	11827 / 1741	2.37	2.90
127.10	11897 / 1195	11898 / 512	2.22	2.61
127.20	11967 / 2014	11968 / 1331	2.29	2.03
127.30	12038 / 785	12039 / 102	2.35	1.93
127.40	12108 / 1604	12109 / 921	2.31	2.74
127.50	12179 / 375	12179 / 1740	2.60	2.02
127.60	12249 / 1194	12250 / 511	2.60	2.03
127.70	12319 / 2013	12320 / 1330	2.22	3.16
127.80	12390 / 784	12391 / 101	2.28	2.75
127.90	12460 / 1603	12461 / 920	2.53	2.18
128.00	12531 / 374	12531 / 1739	2.48	2.75
128.10	12601 / 1193	12602 / 510	2.41	2.22
128.20	12671 / 2012	12672 / 1329	2.41	2.55
128.30	12742 / 783	12743 / 100	2.29	2.77
128.40	12812 / 1602	12813 / 919	2.23	2.10
128.50	12883 / 373	12883 / 1738	2.28	1.98
128.60	12953 / 1192	12954 / 509	2.31	2.01
128.70	13023 / 2011	13024 / 1328	2.39	1.95

128.80	13094 / 782	13095 / 99	2.13	2.13
128.90	13164 / 1601	13165 / 918	2.49	1.97
129.00	13235 / 372	13235 / 1737	2.23	1.64
129.10	0 / 0	0 / 1365	1.50	1.36
129.20	70 / 819	71 / 136	1.95	2.07
129.30	140 / 1638	141 / 955	3.13	2.51
129.40	211 / 409	211 / 1774	2.96	2.47
129.50	281 / 1228	282 / 545	2.87	2.59
129.60	351 / 2047	352 / 1364	2.99	2.48
129.70	422 / 818	423 / 135	3.09	2.49
129.80	492 / 1637	493 / 954	2.92	2.42
129.90	563 / 408	563 / 1773	3.05	2.38
130.00	633 / 1227	634 / 544	2.90	2.50
130.10	703 / 2046	704 / 1363	3.18	2.59
130.20	774 / 817	775 / 134	3.13	2.63
130.30	844 / 1636	845 / 953	2.81	2.38
130.40	915 / 407	915 / 1772	2.72	2.64
130.50	985 / 1226	986 / 543	2.99	2.60
130.60	1055 / 2045	1056 / 1362	2.67	2.00
130.70	1126 / 816	1127 / 133	2.47	1.53
130.80	1196 / 1635	1197 / 952	1.23	1.95
130.90	1267 / 406	1267 / 1771	1.41	0.82
131.00	1337 / 1225	1338 / 542	1.45	1.26
131.10	1407 / 2044	1408 / 1361	1.60	1.32
131.20	1478 / 815	1479 / 132	1.54	1.74
131.30	1548 / 1634	1549 / 951	2.13	3.14
131.40	1619 / 405	1619 / 1770	1.64	2.70
131.50	1689 / 1224	1690 / 541	2.72	2.42
131.60	1759 / 2043	1760 / 1360	1.99	1.90
131.70	1830 / 814	1831 / 131	2.09	2.04
131.80	1900 / 1633	1901 / 950	1.44	1.19
131.90	1971 / 404	1971 / 1769	1.33	1.20
132.00	2041 / 1223	2042 / 540	1.62	1.37
132.10	2111 / 2042	2112 / 1359	1.76	1.60
132.20	2182 / 813	2183 / 130	1.77	2.16
132.30	2252 / 1632	2253 / 949	1.27	1.07
132.40	2323 / 403	2323 / 1768	2.37	1.70
132.50	2393 / 1222	2394 / 539	1.77	1.87
132.60	2463 / 2041	2464 / 1358	1.45	1.39
132.70	2534 / 812	2535 / 129	1.33	1.61
132.80	2604 / 1631	2605 / 948	2.71	2.09
132.90	2675 / 402	2675 / 1767	1.31	1.15
133.00	2745 / 1221	2746 / 538	1.48	0.97

133.10	2815 / 2040	2816 / 1357	1.66	1.51
133.20	2886 / 811	2887 / 128	1.97	1.58
133.30	2956 / 1630	2957 / 947	1.59	1.27
133.40	3027 / 401	3027 / 1766	1.20	1.06
133.50	3097 / 1220	3098 / 537	2.22	1.71
133.60	3167 / 2039	3168 / 1356	1.35	1.26
133.70	3238 / 810	3239 / 127	2.05	1.71
133.80	3308 / 1629	3309 / 946	1.79	1.54
133.90	3379 / 400	3379 / 1765	1.91	1.49
134.00	3449 / 1219	3450 / 536	1.61	2.23
134.10	3519 / 2038	3520 / 1355	1.62	1.76
134.20	3590 / 809	3591 / 126	1.68	2.22
134.30	3660 / 1628	3661 / 945	1.54	1.39
134.40	3731 / 399	3731 / 1764	1.21	2.26
134.50	3801 / 1218	3802 / 535	1.19	0.98
134.60	3871 / 2037	3872 / 1354	1.66	1.91
134.70	3942 / 808	3943 / 125	1.52	1.47
134.80	4012 / 1627	4013 / 944	2.58	2.34
134.90	4083 / 398	4083 / 1763	2.83	3.20
135.00	4153 / 1217	4154 / 534	2.79	2.78
135.10	4223 / 2036	4224 / 1353	2.89	2.67
135.20	4294 / 807	4295 / 124	2.57	3.15
135.30	4364 / 1626	4365 / 943	2.14	2.02
135.40	4435 / 397	4435 / 1762	3.25	2.64
135.50	4505 / 1216	4506 / 533	2.58	2.52
135.60	4575 / 2035	4576 / 1352	2.51	2.21
135.70	4646 / 806	4647 / 123	3.07	1.68
135.80	4716 / 1625	4717 / 942	2.43	1.71
135.90	4787 / 396	4787 / 1761	2.40	1.97
136.00	4857 / 1215	4858 / 532	2.46	1.67
136.10	4927 / 2034	4928 / 1351	2.47	1.57
136.20	4998 / 805	4999 / 122	2.65	1.65
136.30	5068 / 1624	5069 / 941	2.51	2.76
136.40	5139 / 395	5139 / 1760	2.35	2.55
136.50	5209 / 1214	5210 / 531	2.86	2.35
136.60	5279 / 2033	5280 / 1350	2.88	2.35
136.70	5350 / 804	5351 / 121	2.86	2.47
136.80	5420 / 1623	5421 / 940	2.54	2.19
136.90	5491 / 394	5491 / 1759	2.48	3.11
137.00	5561 / 1213	5562 / 530	2.61	2.61
137.10	5631 / 2032	5632 / 1349	3.11	2.44
137.20	5702 / 803	5703 / 120	2.73	2.42
137.30	5772 / 1622	5773 / 939	2.75	2.22

137.40	5843 / 393	5843 / 1758	2.49	2.14
137.50	5913 / 1212	5914 / 529	2.78	2.47
137.60	5983 / 2031	5984 / 1348	3.08	2.13
137.70	6054 / 802	6055 / 119	3.19	2.55
137.80	6124 / 1621	6125 / 938	3.27	2.48
137.90	6195 / 392	6195 / 1757	3.09	2.62
138.00	6265 / 1211	6266 / 528	3.33	2.48
138.10	6335 / 2030	6336 / 1347	3.31	2.65
138.20	6406 / 801	6407 / 118	2.58	2.48
138.30	6476 / 1620	6477 / 937	3.11	2.56
138.40	6547 / 391	6547 / 1756	2.63	2.33
138.50	6617 / 1210	6618 / 527	2.46	2.23
138.60	6687 / 2029	6688 / 1346	2.59	2.37
138.70	6758 / 800	6759 / 117	2.69	2.33
138.80	6828 / 1619	6829 / 936	2.55	2.21
138.90	6899 / 390	6899 / 1755	2.50	2.17
139.00	6969 / 1209	6970 / 526	2.65	2.28
139.10	7039 / 2028	7040 / 1345	2.35	2.10
139.20	7110 / 799	7111 / 116	2.48	2.30
139.30	7180 / 1618	7181 / 935	2.42	2.32
139.40	7251 / 389	7251 / 1754	2.69	2.45
139.50	7321 / 1208	7322 / 525	2.51	2.26
139.60	7391 / 2027	7392 / 1344	2.40	2.38
139.70	7462 / 798	7463 / 115	2.46	2.17
139.80	7532 / 1617	7533 / 934	2.76	2.24
139.90	7603 / 388	7603 / 1753	2.76	2.89
140.00	7673 / 1207	7674 / 524	2.94	3.07
140.10	7743 / 2026	7744 / 1343	2.61	2.26
140.20	7814 / 797	7815 / 114	2.44	2.30
140.30	7884 / 1616	7885 / 933	2.82	2.64
140.40	7955 / 387	7955 / 1752	2.52	2.35
140.50	8025 / 1206	8026 / 523	2.43	2.23
140.60	8095 / 2025	8096 / 1342	2.49	2.36
140.70	8166 / 796	8167 / 113	2.73	2.67
140.80	8236 / 1615	8237 / 932	2.60	2.25
140.90	8307 / 386	8307 / 1751	2.50	2.21
141.00	8377 / 1205	8378 / 522	2.75	2.17
141.10	8447 / 2024	8448 / 1341	2.71	2.71
141.20	8518 / 795	8519 / 112	2.86	2.25
141.30	8588 / 1614	8589 / 931	2.66	2.24
141.40	8659 / 385	8659 / 1750	2.67	2.46
141.50	8729 / 1204	8730 / 521	3.09	2.70
141.60	8799 / 2023	8800 / 1340	2.73	2.60

141.70	8870 / 794	8871 / 111	2.58	2.39
141.80	8940 / 1613	8941 / 930	2.65	2.31
141.90	9011 / 384	9011 / 1749	3.21	2.61
142.00	9081 / 1203	9082 / 520	3.06	2.88
142.10	9151 / 2022	9152 / 1339	3.51	2.85
142.20	9222 / 793	9223 / 110	2.86	2.66
142.30	9292 / 1612	9293 / 929	2.61	2.18
142.40	9363 / 383	9363 / 1748	3.17	2.46
142.50	9433 / 1202	9434 / 519	2.78	2.44
142.60	9503 / 2021	9504 / 1338	2.89	2.60
142.70	9574 / 792	9575 / 109	3.13	2.79
142.80	9644 / 1611	9645 / 928	2.84	2.33
142.90	9715 / 382	9715 / 1747	2.91	2.41
143.00	9785 / 1201	9786 / 518	2.91	2.33
143.10	9855 / 2020	9856 / 1337	3.06	2.72
143.20	9926 / 791	9927 / 108	3.29	2.66
143.30	9996 / 1610	9997 / 927	2.96	2.65
143.40	10067 / 381	10067 / 1746	2.90	2.29
143.50	10137 / 1200	10138 / 517	2.91	2.50
143.60	10207 / 2019	10208 / 1336	2.86	2.51
143.70	10278 / 790	10279 / 107	2.97	2.40
143.80	10348 / 1609	10349 / 926	3.17	2.87
143.90	10419 / 380	10419 / 1745	3.31	2.54
144.00	10489 / 1199	10490 / 516	3.28	2.74
144.10	10559 / 2018	10560 / 1335	2.82	2.46
144.20	10630 / 789	10631 / 106	3.03	2.43
144.30	10700 / 1608	10701 / 925	3.05	2.76
144.40	10771 / 379	10771 / 1744	3.15	2.80
144.50	10841 / 1198	10842 / 515	2.99	2.76
144.60	10911 / 2017	10912 / 1334	2.93	2.56
144.70	10982 / 788	10983 / 105	2.86	2.49
144.80	11052 / 1607	11053 / 924	2.90	2.60
144.90	11123 / 378	11123 / 1743	2.69	2.41
145.00	11193 / 1197	11194 / 514	3.17	2.77
145.10	11263 / 2016	11264 / 1333	3.04	2.60
145.20	11334 / 787	11335 / 104	2.96	2.67
145.30	11404 / 1606	11405 / 923	2.91	2.66
145.40	11475 / 377	11475 / 1742	3.02	2.64
145.50	11545 / 1196	11546 / 513	2.78	2.58
145.60	11615 / 2015	11616 / 1332	2.91	2.39
145.70	11686 / 786	11687 / 103	3.15	3.11
145.80	11756 / 1605	11757 / 922	2.83	2.44
145.90	11827 / 376	11827 / 1741	2.59	2.31

146.00	11897 / 1195	11898 / 512	2.56	2.47
146.10	11967 / 2014	11968 / 1331	2.36	2.44
146.20	12038 / 785	12039 / 102	2.61	2.50
146.30	12108 / 1604	12109 / 921	2.96	2.26
146.40	12179 / 375	12179 / 1740	2.54	2.51
146.50	12249 / 1194	12250 / 511	2.33	2.58
146.60	12319 / 2013	12320 / 1330	2.40	2.30
146.70	12390 / 784	12391 / 101	2.53	2.32
146.80	12460 / 1603	12461 / 920	2.33	1.49
146.90	12531 / 374	12531 / 1739	2.29	1.64
147.00	12601 / 1193	12602 / 510	2.16	1.38
147.10	12671 / 2012	12672 / 1329	2.19	1.53
147.20	12742 / 783	12743 / 100	2.20	2.06
147.30	12812 / 1602	12813 / 919	1.79	1.42
147.40	12883 / 373	12883 / 1738	1.69	1.46
147.50	12953 / 1192	12954 / 509	2.17	1.19
147.60	13023 / 2011	13024 / 1328	2.19	2.26
147.70	13094 / 782	13095 / 99	2.08	1.85
147.80	13164 / 1601	13165 / 918	1.61	1.98
147.90	13235 / 372	13235 / 1737	2.21	1.78
148.00	13305 / 1191	13306 / 508	2.45	2.01
148.10	13375 / 2010	13376 / 1327	2.08	1.82
148.20	13446 / 781	13447 / 98	2.07	1.94
148.30	13516 / 1600	13517 / 917	2.12	2.27
148.40	13587 / 371	13587 / 1736	2.20	1.70
148.50	13657 / 1190	13658 / 507	2.09	2.41
148.60	13727 / 2009	13728 / 1326	2.11	2.22
148.70	13798 / 780	13799 / 97	2.19	1.78
148.80	13868 / 1599	13869 / 916	2.21	2.40
148.90	13939 / 370	13939 / 1735	2.16	1.82
149.00	14009 / 1189	14010 / 506	2.20	1.92
149.10	14079 / 2008	14080 / 1325	2.23	2.07
149.20	14150 / 779	14151 / 96	2.17	1.62
149.30	14220 / 1598	14221 / 915	2.16	1.69
149.40	14291 / 369	14291 / 1734	2.20	2.04
149.50	14361 / 1188	14362 / 505	1.97	2.44
149.60	14431 / 2007	14432 / 1324	2.35	1.93
149.70	14502 / 778	14503 / 95	2.12	1.94
149.80	14572 / 1597	14573 / 914	2.32	1.82
149.90	14643 / 368	14643 / 1733	2.08	2.23
150.00	14713 / 1187	14714 / 504	2.22	1.76
150.10	14783 / 2006	14784 / 1323	2.19	1.76
150.20	14854 / 777	14855 / 94	2.25	1.86

150.30	14924 / 1596	14925 / 913	2.37	1.93
150.40	14995 / 367	14995 / 1732	2.41	1.75
150.50	15065 / 1186	15066 / 503	1.97	1.61
150.60	15135 / 2005	15136 / 1322	2.24	1.91
150.70	15206 / 776	15207 / 93	2.07	1.71
150.80	15276 / 1595	15277 / 912	2.29	1.83
150.90	15347 / 366	15347 / 1731	2.29	1.93
151.00	15417 / 1185	15418 / 502	2.16	1.73
151.10	15487 / 2004	15488 / 1321	2.47	2.01
151.20	15558 / 775	15559 / 92	2.02	2.17
151.30	15628 / 1594	15629 / 911	2.15	1.73
151.40	15699 / 365	15699 / 1730	2.12	1.86
151.50	15769 / 1184	15770 / 501	2.24	1.82
151.60	15839 / 2003	15840 / 1320	2.33	1.86
151.70	15910 / 774	15911 / 91	2.18	1.79
151.80	15980 / 1593	15981 / 910	2.24	1.87
151.90	16051 / 364	16051 / 1729	2.14	1.73
152.00	16121 / 1183	16122 / 500	2.29	1.98
152.10	16191 / 2002	16192 / 1319	2.25	1.89
152.20	16262 / 773	16263 / 90	2.27	1.84
152.30	16332 / 1592	16333 / 909	2.16	1.81
152.40	16403 / 363	16403 / 1728	2.39	1.93
152.50	16473 / 1182	16474 / 499	2.53	2.06
152.60	16543 / 2001	16544 / 1318	2.23	1.82
152.70	16614 / 772	16615 / 89	2.32	2.20
152.80	16684 / 1591	16685 / 908	2.14	1.86
152.90	16755 / 362	16755 / 1727	2.44	1.97
153.00	16825 / 1181	16826 / 498	2.39	1.94
153.10	16895 / 2000	16896 / 1317	2.33	1.95
153.20	16966 / 771	16967 / 88	2.19	1.77
153.30	17036 / 1590	17037 / 907	2.28	1.90
153.40	17107 / 361	17107 / 1726	2.25	1.75
153.50	17177 / 1180	17178 / 497	2.39	1.81
153.60	17247 / 1999	17248 / 1316	2.39	1.83
153.70	17318 / 770	17319 / 87	2.20	2.19
153.80	17388 / 1589	17389 / 906	2.25	1.88
153.90	17459 / 360	17459 / 1725	2.39	1.87
154.00	17529 / 1179	17530 / 496	2.42	1.91
154.10	17599 / 1998	17600 / 1315	2.28	2.13
154.20	17670 / 769	17671 / 86	2.07	1.72
154.30	17740 / 1588	17741 / 905	2.27	1.87
154.40	17811 / 359	17811 / 1724	2.30	1.85
154.50	17881 / 1178	17882 / 495	2.25	1.72

154.60	17951 / 1997	17952 / 1314	2.34	1.78
154.70	18022 / 768	18023 / 85	2.32	2.00
154.80	18092 / 1587	18093 / 904	2.22	1.79
154.90	18163 / 358	18163 / 1723	2.34	1.79
155.00	18233 / 1177	18234 / 494	2.29	1.75
155.10	18303 / 1996	18304 / 1313	2.31	1.75
155.20	18374 / 767	18375 / 84	2.36	1.96
155.30	18444 / 1586	18445 / 903	2.31	1.80
155.40	18515 / 357	18515 / 1722	2.15	1.81
155.50	18585 / 1176	18586 / 493	2.60	2.08
155.60	18655 / 1995	18656 / 1312	2.00	1.76
155.70	18726 / 766	18727 / 83	2.14	1.83
155.80	18796 / 1585	18797 / 902	2.20	1.82
155.90	18867 / 356	18867 / 1721	2.06	1.79
156.00	18937 / 1175	18938 / 492	2.09	1.61
156.10	19007 / 1994	19008 / 1311	2.02	1.84
156.20	19078 / 765	19079 / 82	2.20	1.97
156.30	19148 / 1584	19149 / 901	2.36	3.57
156.40	19219 / 355	19219 / 1720	3.06	4.15
156.50	19289 / 1174	19290 / 491	5.25	4.99
156.60	19359 / 1993	19360 / 1310	5.50	5.45
156.70	19430 / 764	19431 / 81	3.12	3.46
156.80	19500 / 1583	19501 / 900	2.89	3.93
156.90	19571 / 354	19571 / 1719	5.30	5.24
157.00	19641 / 1173	19642 / 490	4.70	4.96
157.10	19711 / 1992	19712 / 1309	4.56	4.93
157.20	19782 / 763	19783 / 80	3.46	5.57
157.30	19852 / 1582	19853 / 899	5.70	5.95
157.40	19923 / 353	19923 / 1718	4.36	5.27
157.50	19993 / 1172	19994 / 489	5.82	6.16
157.60	20063 / 1991	20064 / 1308	6.46	5.87
157.70	20134 / 762	20135 / 79	6.85	6.20
157.80	20204 / 1581	20205 / 898	4.91	5.55
157.90	20275 / 352	20275 / 1717	5.83	6.32
158.00	20345 / 1171	20346 / 488	6.24	6.30
158.10	20415 / 1990	20416 / 1307	5.96	5.81
158.20	20486 / 761	20487 / 78	5.78	6.16
158.30	20556 / 1580	20557 / 897	5.74	6.76
158.40	20627 / 351	20627 / 1716	0.85	6.87
158.50	20697 / 1170	20698 / 487	5.69	6.23
158.60	20767 / 1989	20768 / 1306	6.67	6.62
158.70	20838 / 760	20839 / 77	5.35	5.23
158.80	20908 / 1579	20909 / 896	5.51	5.64

158.90	20979 / 350	20979 / 1715	4.32	5.53
159.00	21049 / 1169	21050 / 486	6.31	6.24
159.10	21119 / 1988	21120 / 1305	5.82	6.35
159.20	21190 / 759	21191 / 76	5.78	2.99
159.30	21260 / 1578	21261 / 895	4.15	4.66
159.40	21331 / 349	21331 / 1714	4.59	5.57
159.50	21401 / 1168	21402 / 485	3.15	4.69
159.60	21471 / 1987	21472 / 1304	4.64	5.00
159.70	21542 / 758	21543 / 75	5.10	5.31
159.80	21612 / 1577	21613 / 894	3.99	4.75
159.90	21683 / 348	21683 / 1713	3.22	2.57
160.00	21753 / 1167	21754 / 484	4.66	5.14
160.10	21823 / 1986	21824 / 1303	3.00	4.07
160.20	21894 / 757	21895 / 74	3.63	4.11
160.30	21964 / 1576	21965 / 893	5.36	5.67
160.40	22035 / 347	22035 / 1712	5.02	4.69
160.50	22105 / 1166	22106 / 483	5.35	6.19
160.60	22175 / 1985	22176 / 1302	5.60	5.69
160.70	22246 / 756	22247 / 73	4.69	5.26
160.80	22316 / 1575	22317 / 892	6.38	5.86
160.90	22387 / 346	22387 / 1711	5.57	6.36
161.00	22457 / 1165	22458 / 482	4.32	4.33
161.10	22527 / 1984	22528 / 1301	4.80	4.68
161.20	22598 / 755	22599 / 72	5.31	5.42
161.30	22668 / 1574	22669 / 891	5.04	5.30
161.40	22739 / 345	22739 / 1710	4.95	5.50
161.50	22809 / 1164	22810 / 481	3.77	4.64
161.60	22879 / 1983	22880 / 1300	5.46	5.61
161.70	22950 / 754	22951 / 71	5.02	5.33
161.80	23020 / 1573	23021 / 890	4.70	5.89
161.90	23091 / 344	23091 / 1709	4.88	4.83
162.00	23161 / 1163	23162 / 480	4.64	5.70
162.10	23231 / 1982	23232 / 1299	3.47	4.68
162.20	23302 / 753	23303 / 70	4.90	5.00
162.30	23372 / 1572	23373 / 889	3.53	4.31
162.40	23443 / 343	23443 / 1708	3.81	3.80
162.50	23513 / 1162	23514 / 479	3.74	3.95
162.60	23583 / 1981	23584 / 1298	3.92	3.99
162.70	23654 / 752	23655 / 69	5.10	5.09
162.80	23724 / 1571	23725 / 888	4.19	4.80
162.90	23795 / 342	23795 / 1707	3.31	2.68
163.00	23865 / 1161	23866 / 478	2.98	3.27
163.10	23935 / 1980	23936 / 1297	2.54	3.54

163.20	24006 / 751	24007 / 68	2.41	4.37
163.30	24076 / 1570	24077 / 887	2.24	3.90
163.40	24147 / 341	24147 / 1706	2.93	4.76
163.50	24217 / 1160	24218 / 477	4.69	4.98
163.60	24287 / 1979	24288 / 1296	4.12	5.12
163.70	24358 / 750	24359 / 67	4.65	5.17
163.80	24428 / 1569	24429 / 886	4.51	4.97
163.90	24499 / 340	24499 / 1705	4.44	5.05
164.00	24569 / 1159	24570 / 476	5.39	4.31
164.10	24639 / 1978	24640 / 1295	3.99	4.19
164.20	24710 / 749	24711 / 66	3.98	3.40
164.30	24780 / 1568	24781 / 885	3.41	4.05
164.40	24851 / 339	24851 / 1704	4.01	5.08
164.50	24921 / 1158	24922 / 475	4.81	5.07
164.60	24991 / 1977	24992 / 1294	4.90	5.42
164.70	25062 / 748	25063 / 65	4.61	4.67
164.80	25132 / 1567	25133 / 884	5.23	5.23
164.90	25203 / 338	25203 / 1703	4.57	4.55
165.00	25273 / 1157	25274 / 474	2.19	4.94
165.10	25343 / 1976	25344 / 1293	4.58	4.63
165.20	25414 / 747	25415 / 64	4.75	5.21
165.30	25484 / 1566	25485 / 883	4.74	4.79
165.40	25555 / 337	25555 / 1702	6.14	5.55
165.50	25625 / 1156	25626 / 473	5.39	0.97
165.60	25695 / 1975	25696 / 1292	4.18	4.53
165.70	25766 / 746	25767 / 63	5.02	4.66
165.80	25836 / 1565	25837 / 882	4.86	1.24
165.90	25907 / 336	25907 / 1701	5.51	4.97
166.00	25977 / 1155	25978 / 472	4.93	4.97
166.10	26047 / 1974	26048 / 1291	4.57	4.87
166.20	26118 / 745	26119 / 62	4.22	5.33
166.30	26188 / 1564	26189 / 881	4.07	4.54
166.40	26259 / 335	26259 / 1700	2.31	3.00
166.50	26329 / 1154	26330 / 471	2.49	3.27
166.60	26399 / 1973	26400 / 1290	3.03	4.28
166.70	26470 / 744	26471 / 61	4.71	4.71
166.80	26540 / 1563	26541 / 880	3.43	4.28
166.90	26611 / 334	26611 / 1699	4.16	4.62
167.00	26681 / 1153	26682 / 470	4.36	4.21
167.10	26751 / 1972	26752 / 1289	3.39	4.50
167.20	26822 / 743	26823 / 60	2.57	2.88
167.30	26892 / 1562	26893 / 879	2.24	3.67
167.40	26963 / 333	26963 / 1698	3.19	4.80

167.50	27033 / 1152	27034 / 469	2.75	3.65
167.60	27103 / 1971	27104 / 1288	2.69	1.95
167.70	27174 / 742	27175 / 59	2.62	0.97
167.80	27244 / 1561	27245 / 878	1.90	1.52
167.90	27315 / 332	27315 / 1697	1.93	1.51
168.00	27385 / 1151	27386 / 468	1.98	1.61
168.10	27455 / 1970	27456 / 1287	1.87	1.47
168.20	27526 / 741	27527 / 58	1.90	1.58
168.30	27596 / 1560	27597 / 877	1.98	1.60
168.40	27667 / 331	27667 / 1696	1.86	1.59
168.50	27737 / 1150	27738 / 467	1.89	1.51
168.60	27807 / 1969	27808 / 1286	1.89	1.62
168.70	27878 / 740	27879 / 57	1.79	1.52
168.80	27948 / 1559	27949 / 876	1.87	1.50
168.90	28019 / 330	28019 / 1695	2.10	1.73
169.00	28089 / 1149	28090 / 466	2.25	1.84
169.10	28159 / 1968	28160 / 1285	2.19	1.82
169.20	28230 / 739	28231 / 56	2.28	1.84
169.30	28300 / 1558	28301 / 875	2.01	1.64
169.40	28371 / 329	28371 / 1694	1.91	1.51
169.50	28441 / 1148	28442 / 465	1.89	1.54
169.60	28511 / 1967	28512 / 1284	1.94	1.62
169.70	28582 / 738	28583 / 55	1.87	1.49
169.80	28652 / 1557	28653 / 874	1.88	1.56
169.90	28723 / 328	28723 / 1693	1.87	1.63
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170.10	28863 / 1966	28864 / 1283	1.90	1.48
170.20	28934 / 737	28935 / 54	1.85	1.53
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170.50	29145 / 1146	29146 / 463	2.59	2.14
170.60	29215 / 1965	29216 / 1282	3.37	2.08
170.70	29286 / 736	29287 / 53	2.66	2.06
170.80	29356 / 1555	29357 / 872	2.44	2.01
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171.00	29497 / 1145	29498 / 462	2.36	1.98
171.10	29567 / 1964	29568 / 1281	2.55	2.21
171.20	29638 / 735	29639 / 52	2.44	2.03
171.30	29708 / 1554	29709 / 871	2.14	1.89
171.40	29779 / 325	29779 / 1690	2.27	2.00
171.50	29849 / 1144	29850 / 461	2.26	2.02
171.60	29919 / 1963	29920 / 1280	2.55	2.03
171.70	29990 / 734	29991 / 51	3.02	2.14

171.80	30060 / 1553	30061 / 870	2.58	2.07
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172.00	30201 / 1143	30202 / 460	2.26	1.90
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172.20	30342 / 733	30343 / 50	2.11	1.78
172.30	30412 / 1552	30413 / 869	1.98	2.28
172.40	30483 / 323	30483 / 1688	2.11	1.83
172.50	30553 / 1142	30554 / 459	2.10	1.72
172.60	30623 / 1961	30624 / 1278	2.03	1.71
172.70	30694 / 732	30695 / 49	2.09	1.70
172.80	30764 / 1551	30765 / 868	2.03	1.68
172.90	30835 / 322	30835 / 1687	2.14	1.83
173.00	30905 / 1141	30906 / 458	2.05	1.70
173.10	30975 / 1960	30976 / 1277	2.08	1.76
173.20	31046 / 731	31047 / 48	2.60	2.26
173.30	31116 / 1550	31117 / 867	2.58	2.03
173.40	31187 / 321	31187 / 1686	2.48	2.19
173.50	31257 / 1140	31258 / 457	2.67	2.10
173.60	31327 / 1959	31328 / 1276	2.15	1.88
173.70	31398 / 730	31399 / 47	2.25	1.75
173.80	31468 / 1549	31469 / 866	2.27	1.50
173.90	31539 / 320	31539 / 1685	2.14	1.39
174.00	31609 / 1139	31610 / 456	2.26	1.59
174.10	31679 / 1958	31680 / 1275	2.32	1.66
174.20	31750 / 729	31751 / 46	1.85	1.50
174.30	31820 / 1548	31821 / 865	2.10	1.78
174.40	31891 / 319	31891 / 1684	2.04	1.71
174.50	31961 / 1138	31962 / 455	1.92	1.69
174.60	32031 / 1957	32032 / 1274	2.25	1.90
174.70	32102 / 728	32103 / 45	1.97	1.69
174.80	32172 / 1547	32173 / 864	2.11	1.97
174.90	32243 / 318	32243 / 1683	2.32	2.13
175.00	32313 / 1137	32314 / 454	2.35	2.24
175.10	32383 / 1956	32384 / 1273	1.97	1.57
175.20	32454 / 727	32455 / 44	2.02	1.55
175.30	32524 / 1546	32525 / 863	2.11	1.59
175.40	32595 / 317	32595 / 1682	2.18	1.62
175.50	32665 / 1136	32666 / 453	2.18	1.63
175.60	32735 / 1955	32736 / 1272	2.24	1.55
175.70	32806 / 726	32807 / 43	2.27	1.63
175.80	32876 / 1545	32877 / 862	2.38	1.71
175.90	32947 / 316	32947 / 1681	2.29	1.76
176.00	33017 / 1135	33018 / 452	2.23	1.74

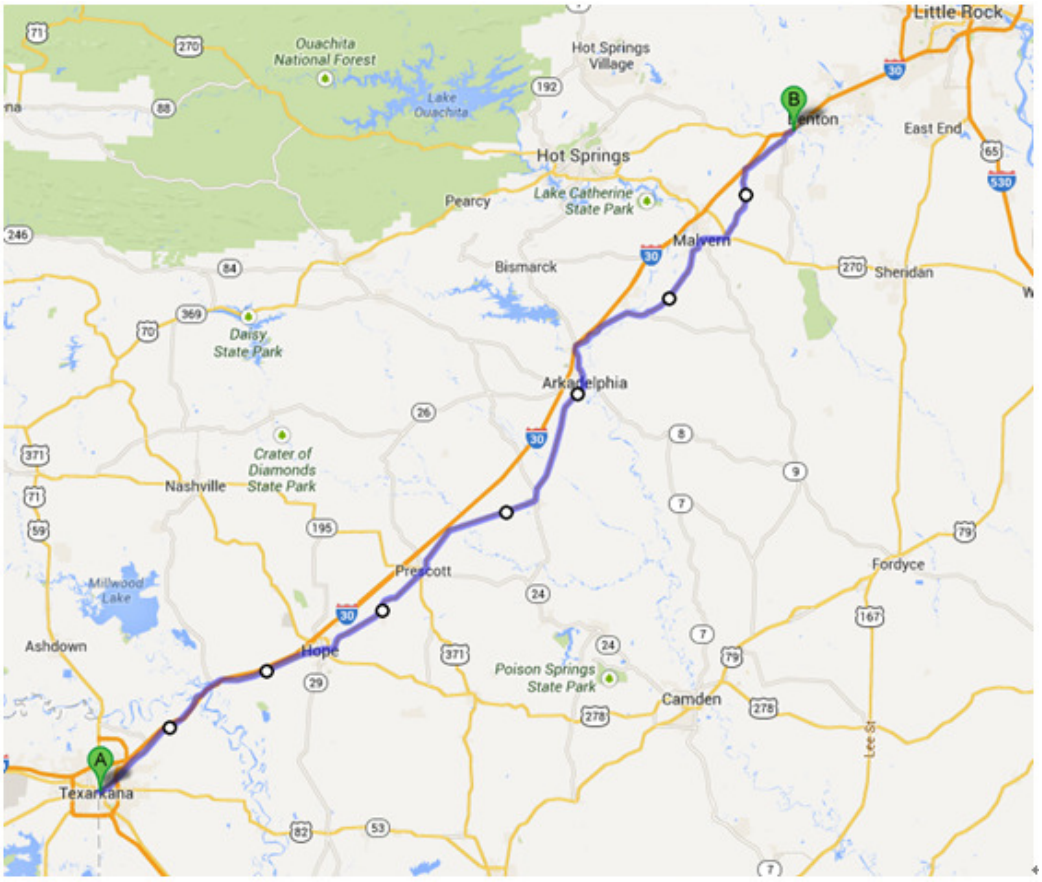
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176.30	33228 / 1544	33229 / 861	2.18	1.73
176.40	33299 / 315	33299 / 1680	2.22	1.66
176.50	33369 / 1134	33370 / 451	2.20	1.62
176.60	33439 / 1953	33440 / 1270	2.25	1.68
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177.00	33721 / 1133	33722 / 450	2.11	1.80
177.10	33791 / 1952	33792 / 1269	2.08	1.61
177.20	33862 / 723	33863 / 40	2.15	1.92
177.30	33932 / 1542	33933 / 859	1.92	2.05
177.40	34003 / 313	34003 / 1678	1.91	1.59
177.50	34073 / 1132	34074 / 449	1.93	1.70
177.60	34143 / 1951	34144 / 1268	2.15	1.60
177.70	34214 / 722	34215 / 39	2.02	1.69
177.80	34284 / 1541	34285 / 858	1.95	1.71
177.90	34355 / 312	34355 / 1677	1.98	1.64
178.00	34425 / 1131	34426 / 448	1.99	1.58
178.10	34495 / 1950	34496 / 1267	1.91	1.59
178.20	34566 / 721	34567 / 38	1.98	1.75
178.30	34636 / 1540	34637 / 857	2.00	1.66
178.40	34707 / 311	34707 / 1676	1.96	1.61
178.50	34777 / 1130	34778 / 447	1.97	1.67
178.60	34847 / 1949	34848 / 1266	1.91	1.88
178.70	34918 / 720	34919 / 37	2.04	1.60
178.80	34988 / 1539	34989 / 856	2.01	1.64
178.90	35059 / 310	35059 / 1675	1.93	1.77
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179.30	35340 / 1538	35341 / 855	1.98	1.63
179.40	35411 / 309	35411 / 1674	2.10	1.67
179.50	35481 / 1128	35482 / 445	1.97	1.72
179.60	35551 / 1947	35552 / 1264	1.98	1.72
179.70	35622 / 718	35623 / 35	1.93	1.64
179.80	35692 / 1537	35693 / 854	1.99	1.65
179.90	35763 / 308	35763 / 1673	2.03	1.62
180.00	35833 / 1127	35834 / 444	2.08	1.76
180.10	35903 / 1946	35904 / 1263	1.99	1.51
180.20	35974 / 717	35975 / 34	1.85	1.57
180.30	36044 / 1536	36045 / 853	1.88	1.55

180.40	36115 / 307	36115 / 1672	1.99	1.59
180.50	36185 / 1126	36186 / 443	1.85	1.58
180.60	36255 / 1945	36256 / 1262	1.92	1.94
180.70	36326 / 716	36327 / 33	1.95	1.56
180.80	36396 / 1535	36397 / 852	2.01	1.69
180.90	36467 / 306	36467 / 1671	1.92	1.59
181.00	36537 / 1125	36538 / 442	1.95	1.59
181.10	36607 / 1944	36608 / 1261	1.86	1.72
181.20	36678 / 715	36679 / 32	1.89	1.63
181.30	36748 / 1534	36749 / 851	2.02	2.10

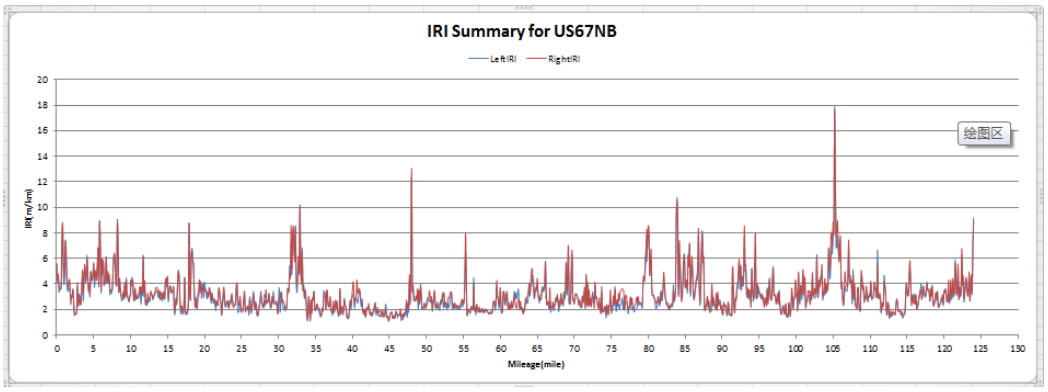
US67N (TO BENTON)

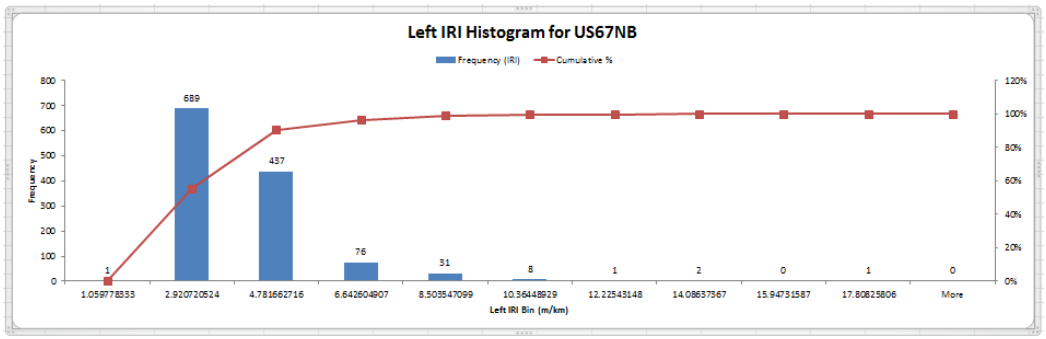
Route Description

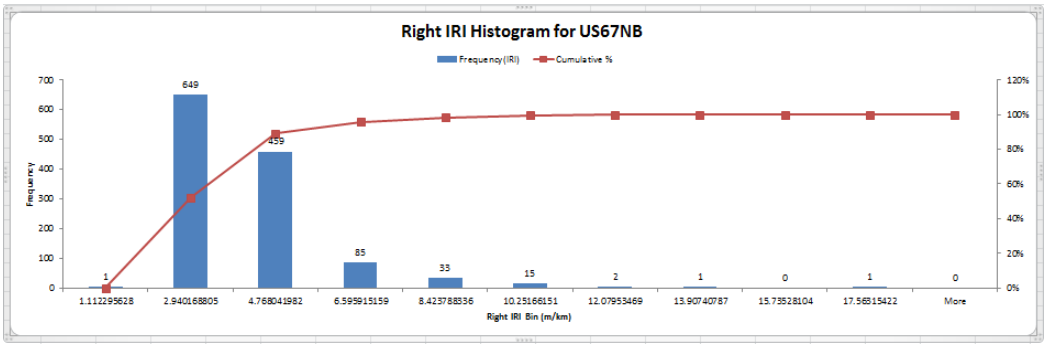
US 67N (To Benton) data collection starts at GPS coordinate of 33.427813,-94.041741, and ends at GPS coordinate of 34.545558,-92.629639, with a total length of 125miles.



IRI Data


IRI Summary for US67NB
LeftIRI
RightIRI
IRI(m/km)
Mileage(mile)
绘图区


Left IRI Histogram for US67NB
Frequency (IRI)
Cumulative %
Frequency
Left IRI Bin (m/km)
1.059778333
2.920720524
4.781662716
6.642604907
8.503547099
10.36448929
12.22543148
14.08637367
15.94731587
17.80825806
More
1
689
437
76
31
8
1
2
0
1
0


Right IRI Histogram for US67NB
Frequency (IRI)
Cumulative %
Frequency
Right IRI Bin (m/km)
1.112295628
2.940168805
4.768041982
6.595915159
8.423788336
10.25166151
12.07953469
13.90740787
15.73528104
17.56315422
More
1
649
459
85
33
15
2
1
0
1
0

Mileage	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	5.60	5.53
0.1	1	529	1057	4.12	4.26
0.2	2	1057	1585	4.72	4.80
0.3	3	1585	2113	3.36	3.86
0.4	4	2113	2641	3.61	3.63
0.5	5	2641	3169	3.54	3.64
0.6	6	3169	3697	3.86	3.59
0.7	7	3697	4225	6.64	7.22
0.8	8	4225	4753	8.79	8.73
0.9	9	4753	5281	5.09	5.86
1	10	5281	5809	3.92	4.50
1.1	11	5809	6337	5.16	5.88
1.2	12	6337	6865	7.44	7.37
1.3	13	6865	7393	4.88	6.24
1.4	14	7393	7921	3.79	4.70
1.5	15	7921	8449	3.40	3.74
1.6	16	8449	8977	3.71	3.79
1.7	17	8977	9505	3.58	4.38
1.8	18	9505	10033	3.41	3.86
1.9	19	10033	10561	2.97	2.41
2	20	10561	11089	3.14	3.02
2.1	21	11089	11617	2.93	3.14
2.2	22	11617	12145	3.52	3.61
2.3	23	12145	12673	2.46	2.52
2.4	24	12673	13201	1.67	1.52
2.5	25	13201	13729	1.59	1.65
2.6	26	13729	14257	1.67	1.71
2.7	27	14257	14785	1.65	1.70
2.8	28	14785	15313	3.76	4.11
2.9	29	15313	15841	2.23	2.29
3	30	15841	16369	3.21	2.63
3.1	31	16369	16897	3.12	3.11
3.2	32	16897	17425	2.41	2.33
3.3	33	17425	17953	2.65	2.50
3.4	34	17953	18481	3.65	4.04
3.5	35	18481	19009	4.65	5.08
3.6	36	19009	19537	2.63	3.22
3.7	37	19537	20065	4.59	4.76
3.8	38	20065	20593	5.29	5.54
3.9	39	20593	21121	4.12	4.62
4	40	21121	21649	4.42	4.37
4.1	41	21649	22177	6.26	6.01

4.2	42	22177	22705	4.75	4.80
4.3	43	22705	23233	3.37	3.58
4.4	44	23233	23761	4.02	4.04
4.5	45	23761	24289	3.15	2.98
4.6	46	24289	24817	4.97	4.91
4.7	47	24817	25345	4.21	4.30
4.8	48	25345	25873	4.52	4.30
4.9	49	25873	26401	4.92	4.57
5	50	26401	26929	5.51	5.67
5.1	51	26929	27457	3.74	4.23
5.2	52	27457	27985	4.48	4.87
5.3	53	27985	28513	4.67	5.05
5.4	54	28513	29041	4.35	4.27
5.5	55	29041	29569	5.51	5.57
5.6	56	29569	30097	6.69	6.82
5.7	57	30097	30625	3.78	3.94
5.8	58	30625	31153	8.78	8.87
5.9	59	31153	31681	6.91	6.95
6	60	31681	32209	3.27	3.50
6.1	61	32209	32737	6.03	5.89
6.2	62	32737	33265	4.78	4.88
6.3	63	33265	33793	5.65	5.86
6.4	64	33793	34321	3.89	3.87
6.5	65	34321	34849	3.97	4.09
6.6	66	34849	35377	4.44	4.20
6.7	67	35377	35905	6.11	6.15
6.8	68	35905	36433	4.10	4.05
6.9	69	36433	36961	4.86	4.99
7	70	36961	37489	3.99	4.24
7.1	71	37489	38017	4.51	4.76
7.2	72	38017	38545	3.17	3.45
7.3	73	38545	39073	3.49	3.55
7.4	74	39073	39601	3.25	3.43
7.5	75	39601	40129	3.56	3.47
7.6	76	40129	40657	4.69	4.64
7.7	77	40657	41185	5.96	6.17
7.8	78	41185	41713	6.11	6.43
7.9	79	41713	42241	5.45	5.97
8	80	42241	42769	3.97	4.14
8.1	81	42769	43297	3.81	3.91
8.2	82	43297	43825	8.98	8.70
8.3	83	43825	44353	6.85	6.89
8.4	84	44353	44881	3.37	3.41

8.5	85	44881	45409	4.43	4.43
8.6	86	45409	45937	3.57	3.64
8.7	87	45937	46465	3.07	3.06
8.8	88	46465	46993	2.65	3.09
8.9	89	46993	47521	2.86	3.01
9	90	47521	48049	3.15	3.40
9.1	91	48049	48577	2.82	3.07
9.2	92	48577	49105	4.14	3.88
9.3	93	49105	49633	3.01	2.93
9.4	94	49633	50161	4.47	4.35
9.5	95	50161	50689	3.04	3.27
9.6	96	50689	51217	2.97	2.96
9.7	97	51217	51745	2.71	2.74
9.8	98	51745	52273	2.64	2.59
9.9	99	52273	52801	3.02	3.14
10	100	52801	53329	3.36	3.16
10	0	1	529	4.30	4.23
10.1	1	529	1057	4.01	3.83
10.2	2	1057	1585	4.54	4.24
10.3	3	1585	2113	4.04	4.32
10.4	4	2113	2641	2.76	3.04
10.5	5	2641	3169	2.67	2.68
10.6	6	3169	3697	3.46	3.68
10.7	7	3697	4225	2.79	3.04
10.8	8	4225	4753	2.81	2.84
10.9	9	4753	5281	3.09	3.07
11	10	5281	5809	2.85	3.19
11.1	11	5809	6337	2.98	3.17
11.2	12	6337	6865	3.52	3.73
11.3	13	6865	7393	3.46	3.79
11.4	14	7393	7921	2.41	3.03
11.5	15	7921	8449	3.35	3.82
11.6	16	8449	8977	3.10	3.46
11.7	17	8977	9505	6.16	6.26
11.8	18	9505	10033	3.06	3.40
11.9	19	10033	10561	4.01	4.26
12	20	10561	11089	2.36	2.55
12.1	21	11089	11617	2.63	2.73
12.2	22	11617	12145	2.30	2.47
12.3	23	12145	12673	2.89	3.27
12.4	24	12673	13201	2.51	2.92
12.5	25	13201	13729	2.77	2.93
12.6	26	13729	14257	2.65	2.74

12.7	27	14257	14785	3.22	3.45
12.8	28	14785	15313	3.34	3.21
12.9	29	15313	15841	3.16	3.06
13	30	15841	16369	2.74	2.86
13.1	31	16369	16897	2.98	3.09
13.2	32	16897	17425	3.03	3.13
13.3	33	17425	17953	3.17	3.43
13.4	34	17953	18481	3.40	3.69
13.5	35	18481	19009	3.45	3.74
13.6	36	19009	19537	3.47	3.71
13.7	37	19537	20065	3.05	3.21
13.8	38	20065	20593	2.89	3.12
13.9	39	20593	21121	3.38	3.53
14	40	21121	21649	2.76	2.86
14.1	41	21649	22177	2.88	3.33
14.2	42	22177	22705	2.92	3.17
14.3	43	22705	23233	2.66	2.85
14.4	44	23233	23761	3.17	3.37
14.5	45	23761	24289	2.89	3.21
14.6	46	24289	24817	2.82	2.83
14.7	47	24817	25345	4.10	4.32
14.8	48	25345	25873	4.41	4.48
14.9	49	25873	26401	3.74	4.01
15	50	26401	26929	4.21	4.59
15.1	51	26929	27457	2.59	2.88
15.2	52	27457	27985	3.33	3.48
15.3	53	27985	28513	3.65	3.76
15.4	54	28513	29041	3.86	3.80
15.5	55	29041	29569	3.31	3.31
15.6	56	29569	30097	3.35	3.31
15.7	57	30097	30625	3.55	3.52
15.8	58	30625	31153	3.69	3.79
15.9	59	31153	31681	1.81	1.88
16	60	31681	32209	1.58	1.92
16.1	61	32209	32737	2.86	2.68
16.2	62	32737	33265	2.35	2.37
16.3	63	33265	33793	3.21	3.09
16.4	64	33793	34321	4.93	4.77
16.5	65	34321	34849	5.07	4.94
16.6	66	34849	35377	3.79	4.01
16.7	67	35377	35905	2.29	2.43
16.8	68	35905	36433	1.60	2.05
16.9	69	36433	36961	2.15	2.30

17	70	36961	37489	1.93	2.09
17.1	71	37489	38017	1.63	1.68
17.2	72	38017	38545	2.21	2.33
17.3	73	38545	39073	4.53	4.48
17.4	74	39073	39601	1.62	1.99
17.5	75	39601	40129	1.63	1.79
17.6	76	40129	40657	1.61	1.67
17.7	77	40657	41185	1.68	1.87
17.8	78	41185	41713	2.33	2.62
17.9	79	41713	42241	8.80	8.74
18	80	42241	42769	3.20	3.17
18.1	81	42769	43297	2.70	2.80
18.2	82	43297	43825	6.27	6.17
18.3	83	43825	44353	6.81	6.72
18.4	84	44353	44881	5.77	5.74
18.5	85	44881	45409	5.66	5.52
18.6	86	45409	45937	3.18	3.56
18.7	87	45937	46465	2.68	2.17
18.8	88	46465	46993	2.96	2.67
18.9	89	46993	47521	2.57	2.10
19	90	47521	48049	2.34	2.05
19.1	91	48049	48577	3.25	2.86
19.2	92	48577	49105	3.03	3.23
19.3	93	49105	49633	4.34	4.19
19.4	94	49633	50161	3.31	3.49
19.5	95	50161	50689	4.00	4.21
19.6	96	50689	51217	3.45	2.88
19.7	97	51217	51745	3.66	3.48
19.8	98	51745	52273	4.00	3.74
19.9	99	52273	52801	2.93	3.67
20	100	52801	53329	4.15	3.56
20.1	101	53329	53857	3.53	3.40
20.2	102	53857	54385	3.58	3.46
20.3	103	54385	54913	2.82	3.20
20.4	104	54913	55441	3.22	3.33
20.5	105	55441	55969	2.99	2.94
20.6	106	55969	56497	3.22	3.71
20.7	107	56497	57025	3.67	3.48
20.8	108	57025	57553	3.09	3.00
20.9	109	57553	58081	2.48	2.74
21	110	58081	58609	3.34	3.20
21.1	111	58609	59137	2.91	2.75
21.2	112	59137	59665	2.46	2.67

21.3	113	59665	60193	2.86	2.70
21.4	114	60193	60721	2.63	2.63
21.5	115	60721	61249	1.91	2.27
21.6	116	61249	61777	2.48	2.71
21.7	117	61777	62305	2.33	2.54
21.8	118	62305	62833	2.29	2.38
21.9	119	62833	63361	3.42	3.70
22	120	63361	63889	3.45	3.55
22.1	121	63889	64417	2.91	2.70
22.2	122	64417	64945	2.44	2.62
22.3	123	64945	65473	1.53	1.56
22.4	124	65473	66001	2.14	2.33
22.5	125	66001	66529	2.87	3.09
22.6	126	66529	67057	3.38	3.76
22.7	127	67057	67585	2.59	3.11
22.8	128	67585	68113	2.17	2.37
22.9	129	68113	68641	2.27	2.34
23	130	68641	69169	2.64	2.52
23.1	131	69169	69697	2.67	2.65
23.2	132	69697	70225	2.17	2.28
23.3	133	70225	70753	2.24	2.08
23.4	134	70753	71281	2.75	2.60
23.5	135	71281	71809	2.39	2.54
23.6	136	71809	72337	2.83	2.95
23.7	137	72337	72865	3.06	3.22
23.8	138	72865	73393	2.58	2.36
23.9	139	73393	73921	2.46	2.14
24	140	73921	74449	2.31	2.20
24.1	141	74449	74977	2.31	2.37
24.2	142	74977	75505	2.63	2.68
24.3	143	75505	76033	3.94	3.66
24.4	144	76033	76561	3.23	4.08
24.5	145	76561	77089	1.77	2.80
24.6	146	77089	77617	1.78	2.32
24.7	147	77617	78145	1.89	2.35
24.8	148	78145	78673	2.91	3.03
24.9	149	78673	79201	1.88	2.03
25	150	79201	79729	1.92	1.77
25.1	151	79729	80257	2.01	1.80
25.2	152	80257	80785	2.09	2.11
25.3	153	80785	81313	2.84	2.92
25.4	154	81313	81841	3.08	3.42
25.5	155	81841	82369	1.80	2.00

25.6	156	82369	82897	1.97	2.00
25.7	157	82897	83425	2.00	2.03
25.8	158	83425	83953	2.25	2.29
25.9	159	83953	84481	2.07	2.10
26	160	84481	85009	1.57	1.78
26.1	161	85009	85537	2.98	2.79
26.2	162	85537	86065	2.37	2.39
26.3	163	86065	86593	1.68	2.07
26.4	164	86593	87121	2.10	2.01
26.5	165	87121	87649	2.75	2.67
26.6	166	87649	88177	3.42	3.18
26.7	167	88177	88705	2.47	2.57
26.8	168	88705	89233	2.16	1.96
26.9	169	89233	89761	2.64	2.26
27	170	89761	90289	2.17	2.44
27.1	171	90289	90817	1.53	1.60
27.2	172	90817	91345	1.49	1.53
27.3	173	91345	91873	1.69	2.04
27.4	174	91873	92401	2.16	2.39
27.5	175	92401	92929	2.58	2.53
27.6	176	92929	93457	3.43	3.10
27.7	177	93457	93985	2.94	2.58
27.8	178	93985	94513	2.25	2.56
27.9	179	94513	95041	2.13	2.22
28	180	95041	95569	2.34	2.12
28.1	181	95569	96097	2.73	3.15
28.2	182	96097	96625	2.29	2.94
28.3	183	96625	97153	2.95	3.55
28.4	184	97153	97681	2.51	2.48
28.5	185	97681	98209	2.54	2.66
28.6	186	98209	98737	2.74	2.58
28.7	187	98737	99265	3.29	3.19
28.8	188	99265	99793	2.67	2.68
28.9	189	99793	100321	2.08	2.40
29	190	100321	100849	2.10	2.18
29.1	191	100849	101377	3.00	2.73
29.2	192	101377	101905	2.66	2.47
29.3	193	101905	102433	3.43	3.06
29.4	194	102433	102961	2.66	2.68
29.5	195	102961	103489	2.40	2.43
29.6	196	103489	104017	2.42	2.45
29.7	197	104017	104545	2.66	2.46
29.8	198	104545	105073	2.46	2.10

29.9	199	105073	105601	1.69	1.64
30	200	105601	106129	2.74	2.64
30.1	201	106129	106657	3.70	2.83
30.2	202	106657	107185	1.80	2.87
30.3	203	107185	107713	2.46	3.34
30.4	204	107713	108241	3.41	2.56
30.5	205	108241	108769	2.77	2.75
30.6	206	108769	109297	2.25	2.70
30.7	207	109297	109825	2.00	2.53
30.8	208	109825	110353	2.21	2.43
30.9	209	110353	110881	1.89	2.15
31	210	110881	111409	1.97	2.19
31.1	211	111409	111937	2.12	2.08
31.2	212	111937	112465	3.26	3.63
31.3	213	112465	112993	3.43	3.66
31.4	214	112993	113521	3.61	3.34
31.5	215	113521	114049	5.43	4.95
31.6	216	114049	114577	4.43	4.47
31.7	217	114577	115105	7.25	8.58
31.8	218	115105	115633	4.67	5.19
31.9	219	115633	116161	7.74	7.97
32	220	116161	116689	8.14	8.53
32.1	221	116689	117217	6.46	7.04
32.2	222	117217	117745	6.19	5.74
32.3	223	117745	118273	8.53	8.45
32.4	224	118273	118801	3.94	4.63
32.5	225	118801	119329	3.30	3.85
32.6	226	119329	119857	4.79	4.47
32.7	227	119857	120385	5.76	6.17
32.8	228	120385	120913	4.85	5.09
32.9	229	120913	121441	9.99	10.20
33	230	121441	121969	4.97	5.00
33.1	231	121969	122497	4.26	3.97
33.2	232	122497	123025	6.84	6.59
33.3	233	123025	123553	3.59	3.45
33.4	234	123553	124081	3.92	3.75
33.5	235	124081	124609	2.85	3.01
33.6	236	124609	125137	3.57	3.37
33.7	237	125137	125665	3.18	2.91
33.8	238	125665	126193	1.57	1.90
33.9	239	126193	126721	1.07	1.26
34	240	126721	127249	1.93	1.76
34.1	241	127249	127777	3.03	3.01

34.2	242	127777	128305	1.81	1.75
34.3	243	128305	128833	1.11	1.24
34.4	244	128833	129361	2.74	2.71
34.5	245	129361	129889	1.87	1.70
34.6	246	129889	130417	2.87	2.95
34.7	247	130417	130945	2.90	2.71
34.8	248	130945	131473	3.37	3.44
34.9	249	131473	132001	1.94	2.21
35	250	132001	132529	1.86	1.99
35.1	251	132529	133057	2.05	2.22
35.2	252	133057	133585	2.42	2.44
35.3	253	133585	134113	2.18	2.12
35.4	254	134113	134641	2.03	2.09
35.5	255	134641	135169	1.79	2.13
35.6	256	135169	135697	1.55	1.82
35.7	257	135697	136225	1.47	1.40
35.8	258	136225	136753	1.50	1.62
35.9	259	136753	137281	1.94	2.14
36	260	137281	137809	1.81	1.93
36.1	261	137809	138337	3.47	2.91
36.2	262	138337	138865	3.39	2.97
36.3	263	138865	139393	3.13	3.25
36.4	264	139393	139921	1.99	2.00
36.5	265	139921	140449	3.49	3.47
36.6	266	140449	140977	3.33	3.52
36.7	267	140977	141505	2.38	2.39
36.8	268	141505	142033	2.16	2.23
36.9	269	142033	142561	2.62	2.33
37	270	142561	143089	2.30	3.03
37.1	271	143089	143617	1.93	2.12
37.2	272	143617	144145	1.72	1.75
37.3	273	144145	144673	1.54	1.83
37.4	274	144673	145201	2.49	2.66
37.5	275	145201	145729	1.71	1.80
37.6	276	145729	146257	2.11	1.95
37.7	277	146257	146785	2.68	2.73
37.8	278	146785	147313	2.08	2.18
37.9	279	147313	147841	2.66	2.61
38	280	147841	148369	1.83	1.83
38.1	281	148369	148897	1.47	1.66
38.2	282	148897	149425	1.51	1.64
38.3	283	149425	149953	3.63	3.64
38.4	284	149953	150481	1.65	1.67

38.5	285	150481	151009	2.20	2.13
38.6	286	151009	151537	2.12	2.22
38.7	287	151537	152065	1.57	1.65
38.8	288	152065	152593	2.08	2.06
38.9	289	152593	153121	2.89	2.70
39	290	153121	153649	2.29	2.42
39.1	291	153649	154177	2.22	2.11
39.2	292	154177	154705	1.54	1.68
39.3	293	154705	155233	1.34	1.29
39.4	294	155233	155761	1.27	1.44
39.5	295	155761	156289	1.28	1.43
39.6	296	156289	156817	2.00	2.14
39.7	297	156817	157345	2.76	2.63
39.8	298	157345	157873	1.93	2.26
39.9	299	157873	158401	2.93	2.81
40	300	158401	158929	3.01	3.56
40.1	301	158929	159457	3.15	4.18
40.2	302	159457	159985	2.62	3.22
40.3	303	159985	160513	2.08	2.39
40.4	304	160513	161041	2.93	2.85
40.5	305	161041	161569	2.75	2.98
40.6	306	161569	162097	2.80	4.33
40.7	307	162097	162625	2.47	3.26
40.8	308	162625	163153	2.97	3.32
40.9	309	163153	163681	3.36	3.66
41	310	163681	164209	3.44	3.48
41.1	311	164209	164737	2.58	2.78
41.2	312	164737	165265	2.19	2.82
41.3	313	165265	165793	2.78	2.78
41.4	314	165793	166321	1.77	1.78
41.5	315	166321	166849	1.94	2.04
41.6	316	166849	167377	1.56	1.59
41.7	317	167377	167905	2.02	1.93
41.8	318	167905	168433	1.36	1.42
41.9	319	168433	168961	2.18	2.06
42	320	168961	169489	2.10	1.95
42.1	321	169489	170017	2.07	2.00
42.2	322	170017	170545	1.98	2.48
42.3	323	170545	171073	1.93	1.75
42.4	324	171073	171601	1.69	1.55
42.5	325	171601	172129	1.81	1.77
42.6	326	172129	172657	1.49	1.58
42.7	327	172657	173185	1.50	1.59

42.8	328	173185	173713	1.83	1.81
42.9	329	173713	174241	1.80	1.99
43	330	174241	174769	2.35	2.46
43.1	331	174769	175297	2.03	2.53
43.2	332	175297	175825	1.55	1.74
43.3	333	175825	176353	1.83	1.91
43.4	334	176353	176881	2.20	2.06
43.4	0	1	529	2.09	1.90
43.5	1	529	1057	1.49	1.83
43.6	2	1057	1585	1.55	1.74
43.7	3	1585	2113	1.45	1.94
43.8	4	2113	2641	1.57	1.90
43.9	5	2641	3169	1.54	1.41
44	6	3169	3697	1.68	1.72
44.1	7	3697	4225	1.68	1.94
44.2	8	4225	4753	1.41	1.39
44.3	9	4753	5281	1.64	1.52
44.4	10	5281	5809	1.89	1.60
44.5	11	5809	6337	2.42	2.12
44.6	12	6337	6865	1.44	1.37
44.7	13	6865	7393	1.52	1.48
44.8	14	7393	7921	1.34	1.29
44.9	15	7921	8449	1.06	1.11
45	16	8449	8977	1.34	1.38
45.1	17	8977	9505	1.73	1.60
45.2	18	9505	10033	1.72	1.76
45.3	19	10033	10561	1.82	1.81
45.4	20	10561	11089	1.50	1.32
45.5	21	11089	11617	1.29	1.36
45.6	22	11617	12145	1.49	1.54
45.7	23	12145	12673	1.29	1.27
45.8	24	12673	13201	1.66	1.61
45.9	25	13201	13729	1.75	1.89
46	26	13729	14257	1.62	1.64
46.1	27	14257	14785	1.34	1.58
46.2	28	14785	15313	1.60	1.62
46.3	29	15313	15841	1.63	1.53
46.4	30	15841	16369	1.55	1.55
46.5	31	16369	16897	1.86	2.07
46.6	32	16897	17425	1.14	1.32
46.7	33	17425	17953	1.27	1.44
46.8	34	17953	18481	1.20	1.67
46.9	35	18481	19009	1.47	1.35

47	36	19009	19537	1.76	1.54
47.1	37	19537	20065	1.51	1.72
47.2	38	20065	20593	1.66	1.93
47.3	39	20593	21121	2.48	2.74
47.4	40	21121	21649	1.37	2.21
47.5	41	21649	22177	2.29	2.50
47.6	42	22177	22705	1.80	1.98
47.7	43	22705	23233	4.31	4.73
47.8	44	23233	23761	2.38	2.66
47.9	45	23761	24289	5.54	5.91
48	46	24289	24817	12.40	13.04
48.1	47	24817	25345	3.35	3.44
48.2	48	25345	25873	3.50	3.94
48.3	49	25873	26401	2.68	2.76
48.4	50	26401	26929	2.74	2.77
48.5	51	26929	27457	2.77	2.65
48.6	52	27457	27985	3.08	3.04
48.7	53	27985	28513	2.74	2.88
48.8	54	28513	29041	3.04	3.64
48.9	55	29041	29569	1.96	2.58
49	56	29569	30097	3.20	3.53
49.1	57	30097	30625	2.40	2.57
49.2	58	30625	31153	3.95	3.72
49.3	59	31153	31681	3.40	2.98
49.4	60	31681	32209	2.01	2.06
49.5	61	32209	32737	2.00	2.00
49.6	62	32737	33265	2.06	2.25
49.7	63	33265	33793	2.53	2.37
49.8	64	33793	34321	2.31	2.36
49.9	65	34321	34849	2.19	2.03
50	66	34849	35377	2.46	2.28
50.1	67	35377	35905	2.80	2.37
50.2	68	35905	36433	2.68	2.95
50.3	69	36433	36961	2.74	2.84
50.4	70	36961	37489	2.75	3.48
50.5	71	37489	38017	2.53	3.02
50.6	72	38017	38545	2.87	2.62
50.7	73	38545	39073	3.00	2.89
50.8	74	39073	39601	1.84	2.07
50.9	75	39601	40129	2.38	2.65
51	76	40129	40657	2.80	2.93
51.1	77	40657	41185	3.36	3.49
51.2	78	41185	41713	2.16	2.41

51.3	79	41713	42241	2.39	2.22
51.4	80	42241	42769	1.99	2.11
51.5	81	42769	43297	2.22	2.58
51.6	82	43297	43825	2.14	2.17
51.7	83	43825	44353	2.18	2.39
51.8	84	44353	44881	1.92	2.41
51.9	85	44881	45409	2.69	2.62
52	86	45409	45937	2.40	2.77
52.1	87	45937	46465	2.66	2.77
52.2	88	46465	46993	3.25	3.31
52.3	89	46993	47521	2.12	2.99
52.4	90	47521	48049	2.57	3.32
52.5	91	48049	48577	2.22	2.33
52.6	92	48577	49105	2.16	2.55
52.7	93	49105	49633	2.32	2.45
52.8	94	49633	50161	1.96	2.21
52.9	95	50161	50689	2.49	2.78
53	96	50689	51217	2.16	2.97
53.1	97	51217	51745	2.22	2.93
53.2	98	51745	52273	2.86	3.30
53.3	99	52273	52801	3.01	3.40
53.4	100	52801	53329	3.27	3.27
53.5	101	53329	53857	2.06	2.33
53.6	102	53857	54385	2.43	2.41
53.7	103	54385	54913	2.14	2.19
53.8	104	54913	55441	2.02	2.54
53.9	105	55441	55969	2.28	2.19
54	106	55969	56497	2.40	2.10
54.1	107	56497	57025	2.23	2.34
54.2	108	57025	57553	1.96	2.18
54.3	109	57553	58081	2.10	2.31
54.4	110	58081	58609	2.13	2.18
54.5	111	58609	59137	1.97	2.08
54.6	112	59137	59665	2.20	2.48
54.7	113	59665	60193	2.23	2.53
54.8	114	60193	60721	2.72	2.81
54.9	115	60721	61249	2.19	2.45
55	116	61249	61777	2.63	2.75
55.1	117	61777	62305	2.45	2.59
55.2	118	62305	62833	4.35	4.83
55.3	119	62833	63361	6.57	7.97
55.4	120	63361	63889	3.92	4.11
55.5	121	63889	64417	1.52	1.57

55.6	122	64417	64945	1.93	1.96
55.7	123	64945	65473	1.89	2.05
55.8	124	65473	66001	1.82	1.87
55.9	125	66001	66529	1.71	1.69
56	126	66529	67057	2.07	2.15
56.1	127	67057	67585	2.29	2.12
56.2	128	67585	68113	2.02	2.19
56.3	129	68113	68641	1.93	2.03
56.4	130	68641	69169	4.50	4.06
56.5	131	69169	69697	1.91	1.93
56.6	132	69697	70225	2.08	2.20
56.7	133	70225	70753	1.57	1.75
56.8	134	70753	71281	2.38	2.39
56.9	135	71281	71809	2.10	1.94
57	136	71809	72337	1.78	2.12
57.1	137	72337	72865	1.81	1.80
57.2	138	72865	73393	1.92	2.19
57.3	139	73393	73921	1.76	1.79
57.4	140	73921	74449	1.96	1.94
57.5	141	74449	74977	1.82	1.92
57.6	142	74977	75505	2.10	2.06
57.7	143	75505	76033	1.88	1.71
57.8	144	76033	76561	1.92	1.90
57.9	145	76561	77089	1.74	1.87
58	146	77089	77617	1.84	2.05
58.1	147	77617	78145	2.01	1.92
58.2	148	78145	78673	1.94	1.87
58.3	149	78673	79201	1.76	1.84
58.4	150	79201	79729	1.71	1.68
58.5	151	79729	80257	1.67	1.63
58.6	152	80257	80785	1.77	1.77
58.7	153	80785	81313	1.85	1.72
58.8	154	81313	81841	1.72	1.63
58.9	155	81841	82369	1.77	1.85
59	156	82369	82897	2.18	2.39
59.1	157	82897	83425	2.68	2.67
59.2	158	83425	83953	2.48	2.66
59.3	159	83953	84481	1.91	2.16
59.4	160	84481	85009	2.63	2.60
59.5	161	85009	85537	3.78	4.29
59.6	162	85537	86065	2.92	3.19
59.7	163	86065	86593	2.77	2.86
59.8	164	86593	87121	2.07	2.39

59.9	165	87121	87649	2.57	2.54
60	166	87649	88177	3.73	3.52
60.1	167	88177	88705	1.79	2.20
60.2	168	88705	89233	1.68	1.83
60.3	169	89233	89761	1.89	1.90
60.4	170	89761	90289	3.39	3.37
60.5	171	90289	90817	3.44	3.31
60.6	172	90817	91345	2.39	2.57
60.7	173	91345	91873	2.35	2.67
60.8	174	91873	92401	3.18	3.01
60.9	175	92401	92929	3.12	3.42
61	176	92929	93457	2.21	2.44
61.1	177	93457	93985	2.02	1.99
61.2	178	93985	94513	2.53	2.24
61.3	179	94513	95041	2.07	2.36
61.4	180	95041	95569	2.14	1.99
61.5	181	95569	96097	2.42	2.66
61.6	182	96097	96625	2.12	2.12
61.7	183	96625	97153	2.24	2.21
61.8	184	97153	97681	2.89	2.73
61.9	185	97681	98209	3.44	3.12
62	186	98209	98737	2.87	2.59
62.1	187	98737	99265	3.31	2.25
62.2	188	99265	99793	2.82	2.07
62.3	189	99793	100321	2.97	2.43
62.4	190	100321	100849	3.62	2.70
62.5	191	100849	101377	3.11	2.78
62.6	192	101377	101905	1.95	2.14
62.7	193	101905	102433	2.57	2.66
62.8	194	102433	102961	1.99	2.02
62.9	195	102961	103489	2.03	2.16
63	196	103489	104017	1.77	2.11
63.1	197	104017	104545	2.04	1.63
63.2	198	104545	105073	1.81	2.04
63.3	199	105073	105601	2.01	2.03
63.4	200	105601	106129	2.58	2.87
63.5	201	106129	106657	2.43	2.66
63.6	202	106657	107185	2.69	3.00
63.7	203	107185	107713	2.48	3.11
63.8	204	107713	108241	3.02	3.48
63.9	205	108241	108769	3.85	4.06
64	206	108769	109297	3.03	3.17
64.1	207	109297	109825	3.91	4.16

64.2	208	109825	110353	4.01	4.95
64.3	209	110353	110881	4.71	5.21
64.4	210	110881	111409	3.87	4.57
64.5	211	111409	111937	3.44	4.15
64.6	212	111937	112465	2.83	2.90
64.7	213	112465	112993	3.51	3.46
64.8	214	112993	113521	3.42	3.74
64.9	215	113521	114049	3.44	3.59
65	216	114049	114577	4.05	4.44
65.1	217	114577	115105	3.12	3.30
65.2	218	115105	115633	2.73	2.81
65.3	219	115633	116161	2.51	2.81
65.4	220	116161	116689	3.12	2.94
65.5	221	116689	117217	3.08	2.74
65.6	222	117217	117745	3.52	3.24
65.7	223	117745	118273	3.81	3.67
65.8	224	118273	118801	3.40	3.58
65.9	225	118801	119329	3.54	3.56
66	226	119329	119857	4.31	3.70
66.1	227	119857	120385	5.77	5.72
66.2	228	120385	120913	3.12	3.04
66.3	229	120913	121441	2.33	2.48
66.4	230	121441	121969	2.51	2.64
66.5	231	121969	122497	2.53	2.49
66.6	232	122497	123025	1.98	2.15
66.7	233	123025	123553	2.75	3.70
66.8	234	123553	124081	1.79	2.00
66.9	235	124081	124609	2.13	2.20
67	236	124609	125137	2.25	2.20
67.1	237	125137	125665	2.22	2.61
67.2	238	125665	126193	1.90	2.10
67.3	239	126193	126721	2.09	2.46
67.4	240	126721	127249	2.38	2.42
67.5	241	127249	127777	2.89	2.93
67.6	242	127777	128305	2.58	2.75
67.7	243	128305	128833	2.90	3.20
67.8	244	128833	129361	2.55	2.65
67.9	245	129361	129889	1.81	2.04
68	246	129889	130417	2.73	2.49
68.1	247	130417	130945	2.23	2.71
68.2	248	130945	131473	3.28	3.17
68.3	249	131473	132001	2.45	2.42
68.4	250	132001	132529	2.74	2.68

68.5	251	132529	133057	2.27	2.42
68.6	252	133057	133585	3.28	3.35
68.7	253	133585	134113	2.78	3.12
68.8	254	134113	134641	3.25	3.66
68.9	255	134641	135169	5.70	5.68
69	256	135169	135697	3.17	3.53
69.1	257	135697	136225	4.21	4.28
69.2	258	136225	136753	6.97	7.00
69.3	259	136753	137281	2.66	2.45
69.4	260	137281	137809	2.53	2.91
69.5	261	137809	138337	2.43	2.86
69.6	262	138337	138865	4.98	4.96
69.7	263	138865	139393	6.28	6.60
69.8	264	139393	139921	2.78	2.70
69.9	265	139921	140449	2.76	2.82
70	266	140449	140977	2.45	2.44
70.1	267	140977	141505	3.19	3.12
70.2	268	141505	142033	3.26	3.18
70.3	269	142033	142561	3.09	3.21
70.4	270	142561	143089	2.88	3.13
70.5	271	143089	143617	2.74	2.70
70.6	272	143617	144145	2.63	2.31
70.7	273	144145	144673	2.44	2.76
70.8	274	144673	145201	2.26	2.55
70.9	275	145201	145729	2.11	2.18
71	276	145729	146257	2.22	2.13
71.1	277	146257	146785	3.07	3.03
71.2	278	146785	147313	2.53	2.53
71.3	279	147313	147841	2.94	3.17
71.4	280	147841	148369	3.43	3.72
71.5	281	148369	148897	2.19	2.07
71.6	282	148897	149425	4.56	4.78
71.7	283	149425	149953	2.43	2.31
71.8	284	149953	150481	3.92	4.14
71.9	285	150481	151009	2.20	2.32
72	286	151009	151537	3.05	3.57
72.1	287	151537	152065	2.54	2.30
72.2	288	152065	152593	2.72	2.88
72.3	289	152593	153121	2.27	2.19
72.4	290	153121	153649	3.06	3.02
72.5	291	153649	154177	3.38	3.09
72.6	292	154177	154705	2.52	2.82
72.7	293	154705	155233	2.49	2.13

72.8	294	155233	155761	3.92	4.15
72.9	295	155761	156289	2.83	2.96
73	296	156289	156817	3.01	2.87
73.1	297	156817	157345	2.59	2.60
73.2	298	157345	157873	2.21	2.20
73.3	299	157873	158401	2.23	2.04
73.4	300	158401	158929	2.46	2.93
73.5	301	158929	159457	1.95	2.06
73.6	302	159457	159985	1.77	1.69
73.7	303	159985	160513	3.37	3.80
73.8	304	160513	161041	1.78	1.83
73.9	305	161041	161569	1.92	1.99
74	306	161569	162097	1.79	2.08
74.1	307	162097	162625	2.10	2.26
74.2	308	162625	163153	2.22	2.07
74.3	309	163153	163681	1.34	1.57
74.4	310	163681	164209	2.35	2.36
74.5	311	164209	164737	2.15	1.98
74.6	312	164737	165265	1.57	1.61
74.7	313	165265	165793	2.31	2.14
74.8	314	165793	166321	2.24	2.58
74.9	315	166321	166849	2.77	3.54
75	316	166849	167377	1.70	1.77
75.1	317	167377	167905	2.22	2.07
75.2	318	167905	168433	2.06	2.25
75.3	319	168433	168961	3.08	3.02
75.4	320	168961	169489	2.30	2.48
75.5	321	169489	170017	3.58	3.78
75.6	322	170017	170545	2.13	2.61
75.7	323	170545	171073	1.84	2.30
75.8	324	171073	171601	2.63	2.79
75.9	325	171601	172129	2.25	2.46
76	326	172129	172657	2.48	3.28
76.1	327	172657	173185	2.00	2.64
76.2	328	173185	173713	2.37	3.38
76.3	329	173713	174241	2.37	3.49
76.4	330	174241	174769	2.53	3.58
76.5	331	174769	175297	2.89	3.61
76.6	332	175297	175825	2.02	3.58
76.7	333	175825	176353	2.62	3.25
76.8	334	176353	176881	1.96	1.93
76.9	335	176881	177409	2.64	3.04
77	336	177409	177937	2.54	3.14

77.1	337	177937	178465	2.54	2.83
77.2	338	178465	178993	2.16	2.18
77.3	339	178993	179521	1.65	1.96
77.4	340	179521	180049	2.22	2.22
77.5	341	180049	180577	2.11	2.31
77.6	342	180577	181105	3.00	2.94
77.7	343	181105	181633	2.17	2.36
77.8	344	181633	182161	2.01	2.90
77.9	345	182161	182689	2.18	2.33
78	346	182689	183217	1.97	2.21
78.1	347	183217	183745	1.79	2.05
78.2	348	183745	184273	1.95	2.38
78.3	349	184273	184801	1.97	2.39
78.4	350	184801	185329	2.06	2.95
78.5	351	185329	185857	2.13	2.60
78.6	352	185857	186385	2.79	3.03
78.7	353	186385	186913	2.36	2.81
78.8	354	186913	187441	2.36	2.51
78.9	355	187441	187969	2.49	2.49
79	356	187969	188497	2.43	2.51
79.1	357	188497	189025	2.22	2.36
79.2	358	189025	189553	2.09	2.50
79.3	359	189553	190081	4.06	3.91
79.4	360	190081	190609	4.60	4.63
79.5	361	190609	191137	4.35	4.21
79.6	362	191137	191665	5.02	6.00
79.7	363	191665	192193	6.88	6.43
79.8	364	192193	192721	7.75	8.28
79.8	0	1	529	5.72	6.53
79.9	1	529	1057	7.16	7.17
80	2	1057	1585	7.98	8.59
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80.2	4	2113	2641	4.63	4.75
80.3	5	2641	3169	6.22	6.03
80.4	6	3169	3697	5.66	6.66
80.5	7	3697	4225	3.23	3.39
80.6	8	4225	4753	3.06	3.08
80.7	9	4753	5281	3.13	3.14
80.8	10	5281	5809	2.98	2.84
80.9	11	5809	6337	2.71	2.84
81	12	6337	6865	2.12	2.53
81.1	13	6865	7393	2.04	2.60
81.2	14	7393	7921	2.34	2.47

81.3	15	7921	8449	3.01	2.64
81.4	16	8449	8977	2.96	2.92
81.5	17	8977	9505	2.26	2.40
81.6	18	9505	10033	2.50	2.50
81.7	19	10033	10561	3.33	3.45
81.8	20	10561	11089	2.65	3.02
81.9	21	11089	11617	2.74	3.11
82	22	11617	12145	3.40	3.91
82.1	23	12145	12673	4.16	4.92
82.2	24	12673	13201	3.84	4.08
82.3	25	13201	13729	3.02	2.94
82.4	26	13729	14257	2.63	2.73
82.5	27	14257	14785	2.28	2.40
82.6	28	14785	15313	2.32	2.49
82.7	29	15313	15841	2.18	2.46
82.8	30	15841	16369	1.92	1.98
82.9	31	16369	16897	2.31	2.29
83	32	16897	17425	2.08	2.18
83.1	33	17425	17953	2.41	2.34
83.2	34	17953	18481	2.28	2.50
83.3	35	18481	19009	2.21	2.42
83.4	36	19009	19537	3.93	3.44
83.5	37	19537	20065	2.62	2.79
83.6	38	20065	20593	2.80	2.98
83.7	39	20593	21121	3.46	3.72
83.8	40	21121	21649	9.24	9.25
83.9	41	21649	22177	10.75	10.49
84	42	22177	22705	7.99	8.99
84.1	43	22705	23233	3.06	3.16
84.2	44	23233	23761	5.08	7.33
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84.5	47	24817	25345	3.02	2.60
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84.7	49	25873	26401	4.56	4.72
84.8	50	26401	26929	6.28	5.91
84.9	51	26929	27457	6.35	6.06
85	52	27457	27985	3.68	3.79
85.1	53	27985	28513	3.77	4.09
85.2	54	28513	29041	4.03	4.32
85.3	55	29041	29569	3.34	3.63
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85.5	57	30097	30625	5.36	5.34

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85.7	59	31153	31681	3.12	3.41
85.8	60	31681	32209	4.46	4.69
85.9	61	32209	32737	5.62	6.17
86	62	32737	33265	4.80	5.04
86.1	63	33265	33793	3.49	3.20
86.2	64	33793	34321	2.74	2.78
86.3	65	34321	34849	3.25	3.32
86.4	66	34849	35377	3.56	3.82
86.5	67	35377	35905	4.38	4.40
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86.7	69	36433	36961	5.12	5.32
86.8	70	36961	37489	7.75	8.36
86.9	71	37489	38017	4.02	4.09
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87.1	73	38545	39073	4.32	3.72
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87.3	75	39601	40129	8.17	7.94
87.4	76	40129	40657	5.89	5.66
87.5	77	40657	41185	5.42	6.16
87.6	78	41185	41713	2.33	1.90
87.7	79	41713	42241	1.95	1.95
87.8	80	42241	42769	2.15	2.41
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88.4	86	45409	45937	2.04	1.89
88.5	87	45937	46465	1.87	1.83
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88.7	89	46993	47521	2.24	2.58
88.8	90	47521	48049	2.81	2.98
88.9	91	48049	48577	2.49	2.48
89	92	48577	49105	2.28	2.28
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89.2	94	49633	50161	3.02	3.29
89.3	95	50161	50689	2.01	1.90
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90.4	106	55969	56497	2.29	2.36
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90.6	108	57025	57553	1.70	1.68
90.7	109	57553	58081	1.51	1.60
90.8	110	58081	58609	2.59	2.52
90.9	111	58609	59137	2.15	2.17
91	112	59137	59665	1.61	1.57
91.1	113	59665	60193	1.62	1.53
91.2	114	60193	60721	1.70	1.58
91.3	115	60721	61249	1.53	1.49
91.4	116	61249	61777	5.30	5.29
91.5	117	61777	62305	3.64	3.87
91.6	118	62305	62833	2.29	2.23
91.7	119	62833	63361	1.91	1.72
91.8	120	63361	63889	2.90	2.95
91.9	121	63889	64417	2.90	2.69
92	122	64417	64945	3.58	3.73
92.1	123	64945	65473	3.62	4.17
92.2	124	65473	66001	4.85	5.00
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93	132	69697	70225	7.57	8.57
93.1	133	70225	70753	4.98	5.40
93.2	134	70753	71281	5.09	5.54
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93.5	137	72337	72865	3.46	3.69
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94.1	143	75505	76033	3.61	3.76

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94.3	145	76561	77089	3.10	2.88
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98.2	34	17953	18481	2.31	2.04
98.3	35	18481	19009	2.23	2.28

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98.7	39	20593	21121	1.42	1.51
98.8	40	21121	21649	1.48	1.63
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99	42	22177	22705	2.44	2.54
99.1	43	22705	23233	2.04	2.09
99.2	44	23233	23761	1.44	1.55
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105.3	23	12145	12673	12.74	11.89
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105.5	25	13201	13729	6.85	8.20
105.6	26	13729	14257	7.76	8.97
105.7	27	14257	14785	6.77	7.19
105.8	28	14785	15313	5.91	5.70
105.9	29	15313	15841	6.50	7.20
106	30	15841	16369	6.45	7.72
106.1	31	16369	16897	3.93	3.66
106.2	32	16897	17425	3.80	4.18
106.3	33	17425	17953	2.65	2.94
106.4	34	17953	18481	2.30	2.36
106.5	35	18481	19009	2.98	3.24
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106.7	37	19537	20065	3.48	4.16
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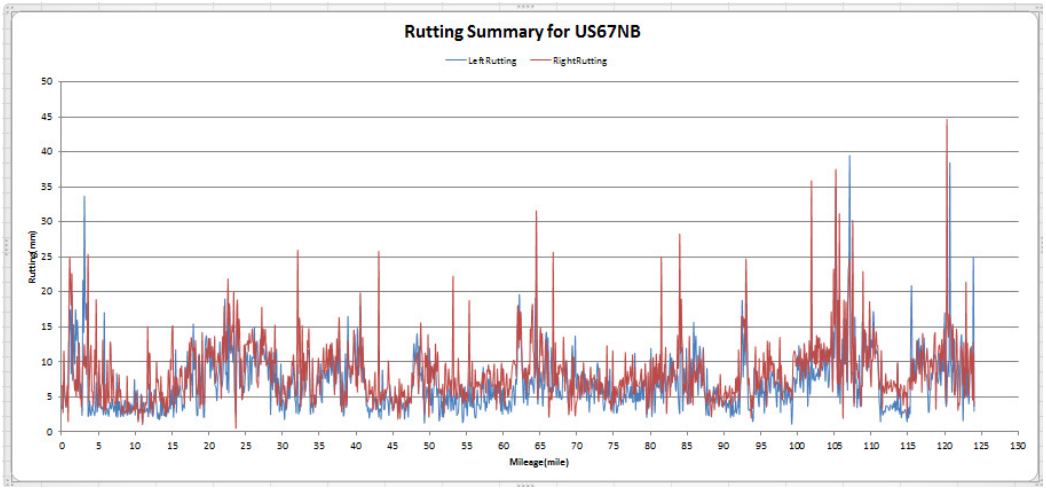
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108.1	51	26929	27457	2.28	2.14
108.2	52	27457	27985	2.00	2.10
108.3	53	27985	28513	3.40	3.63
108.4	54	28513	29041	3.66	3.74
108.5	55	29041	29569	2.15	2.31
108.6	56	29569	30097	1.87	1.94
108.7	57	30097	30625	2.18	1.85
108.8	58	30625	31153	4.23	4.99
108.9	59	31153	31681	4.66	4.31
109	60	31681	32209	3.66	3.53
109.1	61	32209	32737	3.68	3.90
109.2	62	32737	33265	2.55	3.20
109.3	63	33265	33793	2.75	2.71
109.4	64	33793	34321	2.86	3.15
109.5	65	34321	34849	3.48	3.84
109.6	66	34849	35377	2.74	3.03
109.7	67	35377	35905	2.72	2.58
109.8	68	35905	36433	2.90	3.06
109.9	69	36433	36961	3.27	2.96
110	70	36961	37489	3.00	3.15
110.1	71	37489	38017	4.23	4.08
110.2	72	38017	38545	2.76	3.02
110.3	73	38545	39073	2.83	2.92
110.4	74	39073	39601	2.83	2.96
110.5	75	39601	40129	3.37	3.49
110.6	76	40129	40657	3.99	4.17
110.7	77	40657	41185	3.75	3.50
110.8	78	41185	41713	2.93	3.61
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111	80	42241	42769	6.66	5.65
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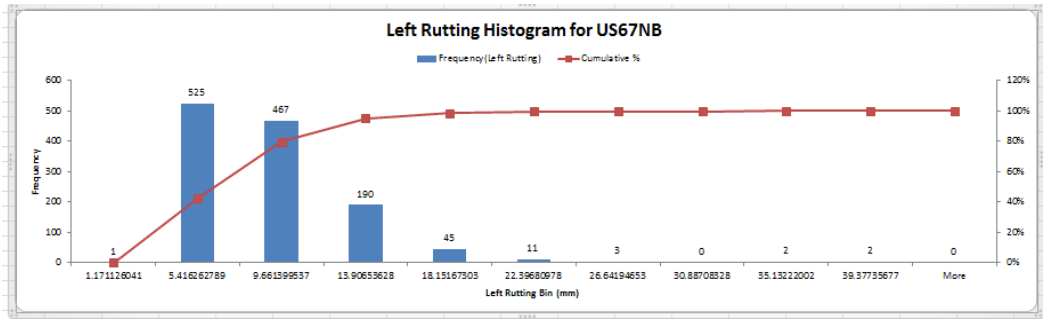
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111.6	86	45409	45937	2.39	2.54
111.7	87	45937	46465	2.12	2.26
111.8	88	46465	46993	2.37	2.32
111.9	89	46993	47521	4.65	4.20
112	90	47521	48049	3.91	3.91
112.1	91	48049	48577	3.06	3.24
112.2	92	48577	49105	2.02	2.00
112.3	93	49105	49633	1.55	1.57
112.4	94	49633	50161	2.58	2.50
112.5	95	50161	50689	2.01	2.47
112.6	96	50689	51217	1.29	1.41
112.7	97	51217	51745	1.51	1.68
112.8	98	51745	52273	1.72	1.91
112.9	99	52273	52801	1.44	1.59
113	100	52801	53329	1.57	1.58
113.1	101	53329	53857	1.82	1.85
113.2	102	53857	54385	1.65	1.70
113.3	103	54385	54913	1.55	1.70
113.4	104	54913	55441	1.62	1.59
113.5	105	55441	55969	2.40	2.19
113.6	106	55969	56497	2.69	2.84
113.7	107	56497	57025	2.63	2.62
113.8	108	57025	57553	1.88	1.83
113.9	109	57553	58081	1.88	1.85
114	110	58081	58609	1.93	1.88
114.1	111	58609	59137	1.74	1.93
114.2	112	59137	59665	1.62	1.55
114.3	113	59665	60193	1.66	1.84
114.4	114	60193	60721	1.31	1.49
114.5	115	60721	61249	1.48	1.50
114.6	116	61249	61777	1.74	1.54
114.7	117	61777	62305	1.77	1.61
114.8	118	62305	62833	2.90	2.67
114.9	119	62833	63361	4.06	4.08
115	120	63361	63889	3.20	3.57
115.1	121	63889	64417	3.09	3.04
115.2	122	64417	64945	3.07	3.42
115.3	123	64945	65473	4.45	5.05
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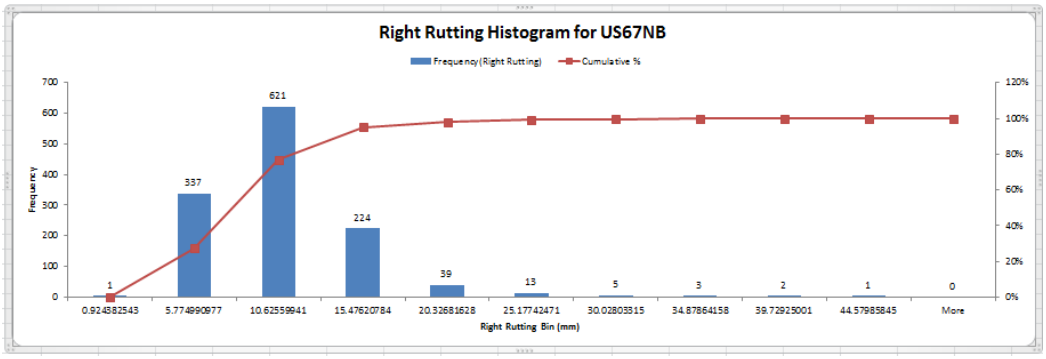
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115.9	129	68113	68641	3.23	3.01
116	130	68641	69169	3.12	2.43
116.1	131	69169	69697	2.44	2.40
116.2	132	69697	70225	3.07	3.18
116.3	133	70225	70753	1.98	2.02
116.4	134	70753	71281	2.28	2.35
116.5	135	71281	71809	2.25	2.62
116.6	136	71809	72337	2.93	2.77
116.7	137	72337	72865	3.30	3.08
116.8	138	72865	73393	3.42	3.52
116.9	139	73393	73921	4.04	3.31
117	140	73921	74449	3.31	2.77
117.1	141	74449	74977	3.06	3.22
117.2	142	74977	75505	3.77	3.83
117.3	143	75505	76033	3.49	3.34
117.4	144	76033	76561	2.96	3.19
117.5	145	76561	77089	2.97	3.09
117.6	146	77089	77617	3.50	3.47
117.7	147	77617	78145	4.16	3.98
117.8	148	78145	78673	3.47	3.51
117.9	149	78673	79201	3.55	3.59
118	150	79201	79729	3.37	3.29
118.1	151	79729	80257	2.63	2.66
118.2	152	80257	80785	3.62	3.67
118.3	153	80785	81313	3.36	3.01
118.4	154	81313	81841	3.89	3.74
118.5	155	81841	82369	2.57	2.67
118.6	156	82369	82897	2.34	2.24
118.7	157	82897	83425	2.72	2.43
118.8	158	83425	83953	2.87	2.68
118.9	159	83953	84481	3.22	3.35
119	160	84481	85009	2.71	2.88
119.1	161	85009	85537	3.40	3.42
119.2	162	85537	86065	2.15	2.35
119.3	163	86065	86593	2.20	2.16
119.4	164	86593	87121	2.31	2.41
119.5	165	87121	87649	2.43	2.51
119.6	166	87649	88177	2.88	2.60
119.7	167	88177	88705	2.96	2.65

119.8	168	88705	89233	2.68	3.18
119.9	169	89233	89761	2.32	2.46
120	170	89761	90289	3.46	3.47
120.1	171	90289	90817	3.29	3.31
120.2	172	90817	91345	3.63	3.58
120.3	173	91345	91873	3.06	3.27
120.4	174	91873	92401	2.57	2.58
120.5	175	92401	92929	2.81	2.63
120.6	176	92929	93457	3.21	4.29
120.7	177	93457	93985	2.45	2.60
120.8	178	93985	94513	3.18	2.59
120.9	179	94513	95041	3.89	4.33
121	180	95041	95569	2.78	3.33
121.1	181	95569	96097	2.94	3.13
121.2	182	96097	96625	4.23	4.44
121.3	183	96625	97153	2.99	3.22
121.4	184	97153	97681	3.23	3.24
121.5	185	97681	98209	5.86	5.58
121.6	186	98209	98737	4.67	4.98
121.7	187	98737	99265	3.25	3.14
121.8	188	99265	99793	3.20	3.69
121.9	189	99793	100321	5.08	5.56
122	190	100321	100849	2.77	2.87
122.1	191	100849	101377	3.77	3.72
122.2	192	101377	101905	3.07	2.97
122.3	193	101905	102433	3.24	3.31
122.4	194	102433	102961	6.24	6.77
122.5	195	102961	103489	4.53	3.95
122.6	196	103489	104017	3.62	4.64
122.7	197	104017	104545	2.57	2.85
122.8	198	104545	105073	3.51	3.19
122.9	199	105073	105601	4.23	3.66
123	200	105601	106129	4.41	4.53
123.1	201	106129	106657	3.66	3.54
123.2	202	106657	107185	3.35	3.03
123.3	203	107185	107713	3.35	3.43
123.4	204	107713	108241	4.62	4.94
123.5	205	108241	108769	2.81	2.66
123.6	206	108769	109297	3.72	3.70
123.7	207	109297	109825	4.57	4.72
123.8	208	109825	110353	3.19	3.38
123.9	209	110353	110881	6.50	7.12
124	210	110881	111409	9.18	8.91

Rutting Data







Mileage	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	3.73	6.70
0.1	1	529	1057	3.38	6.35
0.2	2	1057	1585	6.57	2.89
0.3	3	1585	2113	7.37	11.54
0.4	4	2113	2641	5.58	6.73
0.5	5	2641	3169	4.76	4.49
0.6	6	3169	3697	3.53	3.57
0.7	7	3697	4225	4.87	5.04
0.8	8	4225	4753	5.12	6.54
0.9	9	4753	5281	8.28	1.77
1	10	5281	5809	13.52	16.67
1.1	11	5809	6337	15.12	24.81
1.2	12	6337	6865	17.27	20.82
1.3	13	6865	7393	8.31	18.12
1.4	14	7393	7921	19.65	22.45
1.5	15	7921	8449	7.42	9.77
1.6	16	8449	8977	15.27	8.38
1.7	17	8977	9505	11.59	7.34
1.8	18	9505	10033	9.91	5.90
1.9	19	10033	10561	17.47	7.52
2	20	10561	11089	13.07	5.01
2.1	21	11089	11617	16.00	10.80
2.2	22	11617	12145	14.50	5.90
2.3	23	12145	12673	10.14	7.56
2.4	24	12673	13201	7.72	12.69
2.5	25	13201	13729	5.37	4.85
2.6	26	13729	14257	6.92	5.33
2.7	27	14257	14785	5.27	3.58
2.8	28	14785	15313	2.65	7.28
2.9	29	15313	15841	21.48	10.10
3	30	15841	16369	14.47	9.51
3.1	31	16369	16897	33.69	12.52
3.2	32	16897	17425	18.69	9.16
3.3	33	17425	17953	16.00	10.84
3.4	34	17953	18481	18.42	8.33
3.5	35	18481	19009	14.79	15.43
3.6	36	19009	19537	2.25	25.21
3.7	37	19537	20065	2.37	4.65
3.8	38	20065	20593	4.46	7.93
3.9	39	20593	21121	3.12	11.14
4	40	21121	21649	2.35	12.28
4.1	41	21649	22177	3.25	5.77

4.2	42	22177	22705	3.81	5.77
4.3	43	22705	23233	3.03	3.66
4.4	44	23233	23761	2.84	6.11
4.5	45	23761	24289	2.39	11.78
4.6	46	24289	24817	4.04	8.34
4.7	47	24817	25345	7.09	18.95
4.8	48	25345	25873	2.88	5.71
4.9	49	25873	26401	3.50	5.18
5	50	26401	26929	8.58	3.68
5.1	51	26929	27457	3.86	10.24
5.2	52	27457	27985	4.08	5.71
5.3	53	27985	28513	3.62	3.51
5.4	54	28513	29041	3.28	6.61
5.5	55	29041	29569	3.63	6.96
5.6	56	29569	30097	3.13	13.16
5.7	57	30097	30625	2.50	4.57
5.8	58	30625	31153	17.09	3.09
5.9	59	31153	31681	3.18	6.88
6	60	31681	32209	2.44	3.19
6.1	61	32209	32737	2.94	4.28
6.2	62	32737	33265	3.41	10.31
6.3	63	33265	33793	2.88	4.96
6.4	64	33793	34321	2.23	4.14
6.5	65	34321	34849	3.40	7.15
6.6	66	34849	35377	4.24	12.84
6.7	67	35377	35905	3.30	11.89
6.8	68	35905	36433	3.49	4.36
6.9	69	36433	36961	4.75	7.45
7	70	36961	37489	3.82	8.90
7.1	71	37489	38017	2.86	5.28
7.2	72	38017	38545	3.72	4.27
7.3	73	38545	39073	3.80	3.88
7.4	74	39073	39601	2.39	4.24
7.5	75	39601	40129	8.39	6.14
7.6	76	40129	40657	2.23	4.39
7.7	77	40657	41185	4.42	5.91
7.8	78	41185	41713	3.13	8.22
7.9	79	41713	42241	4.38	5.04
8	80	42241	42769	2.26	6.09
8.1	81	42769	43297	2.98	4.08
8.2	82	43297	43825	3.89	2.55
8.3	83	43825	44353	2.48	3.71
8.4	84	44353	44881	2.25	3.05

8.5	85	44881	45409	3.89	3.07
8.6	86	45409	45937	4.60	2.63
8.7	87	45937	46465	3.23	3.10
8.8	88	46465	46993	3.19	2.86
8.9	89	46993	47521	2.40	8.01
9	90	47521	48049	3.27	2.90
9.1	91	48049	48577	3.34	4.31
9.2	92	48577	49105	2.51	3.25
9.3	93	49105	49633	4.20	3.22
9.4	94	49633	50161	2.61	2.96
9.5	95	50161	50689	3.96	2.77
9.6	96	50689	51217	2.94	3.09
9.7	97	51217	51745	3.40	3.56
9.8	98	51745	52273	4.18	3.21
9.9	99	52273	52801	7.50	3.88
10	100	52801	53329	2.52	2.87
10	0	1	529	4.27	4.14
10.1	1	529	1057	5.45	5.87
10.2	2	1057	1585	4.72	3.31
10.3	3	1585	2113	5.94	4.07
10.4	4	2113	2641	1.89	1.46
10.5	5	2641	3169	3.18	2.64
10.6	6	3169	3697	3.31	3.08
10.7	7	3697	4225	3.04	2.70
10.8	8	4225	4753	5.45	3.17
10.9	9	4753	5281	2.14	5.21
11	10	5281	5809	1.46	1.07
11.1	11	5809	6337	4.26	3.26
11.2	12	6337	6865	4.14	2.84
11.3	13	6865	7393	2.92	2.80
11.4	14	7393	7921	3.01	4.26
11.5	15	7921	8449	2.97	3.86
11.6	16	8449	8977	3.44	5.14
11.7	17	8977	9505	2.96	15.07
11.8	18	9505	10033	2.25	6.17
11.9	19	10033	10561	6.89	11.34
12	20	10561	11089	2.78	11.01
12.1	21	11089	11617	4.54	3.57
12.2	22	11617	12145	3.36	5.68
12.3	23	12145	12673	3.37	2.42
12.4	24	12673	13201	2.21	4.27
12.5	25	13201	13729	2.99	4.48
12.6	26	13729	14257	6.06	5.33

12.7	27	14257	14785	6.02	4.82
12.8	28	14785	15313	5.04	4.17
12.9	29	15313	15841	3.88	9.98
13	30	15841	16369	2.27	7.13
13.1	31	16369	16897	1.88	7.57
13.2	32	16897	17425	2.76	6.14
13.3	33	17425	17953	1.76	5.46
13.4	34	17953	18481	2.50	4.48
13.5	35	18481	19009	5.82	7.96
13.6	36	19009	19537	2.34	4.29
13.7	37	19537	20065	4.22	5.72
13.8	38	20065	20593	3.25	3.39
13.9	39	20593	21121	2.35	4.90
14	40	21121	21649	2.53	3.44
14.1	41	21649	22177	3.25	2.35
14.2	42	22177	22705	2.18	5.06
14.3	43	22705	23233	2.65	2.76
14.4	44	23233	23761	3.71	4.43
14.5	45	23761	24289	2.76	8.81
14.6	46	24289	24817	3.38	7.40
14.7	47	24817	25345	4.63	3.60
14.8	48	25345	25873	3.31	10.26
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15	50	26401	26929	3.88	14.31
15.1	51	26929	27457	6.66	15.11
15.2	52	27457	27985	2.14	6.76
15.3	53	27985	28513	4.30	3.41
15.4	54	28513	29041	4.02	7.95
15.5	55	29041	29569	11.76	5.06
15.6	56	29569	30097	2.83	7.81
15.7	57	30097	30625	6.66	7.59
15.8	58	30625	31153	5.71	5.20
15.9	59	31153	31681	5.17	5.82
16	60	31681	32209	6.07	6.16
16.1	61	32209	32737	6.62	9.06
16.2	62	32737	33265	5.11	7.94
16.3	63	33265	33793	5.14	9.49
16.4	64	33793	34321	3.09	6.54
16.5	65	34321	34849	3.64	5.97
16.6	66	34849	35377	3.97	5.75
16.7	67	35377	35905	3.46	4.12
16.8	68	35905	36433	9.32	9.02
16.9	69	36433	36961	6.10	7.46

17	70	36961	37489	6.25	6.55
17.1	71	37489	38017	11.54	9.42
17.2	72	38017	38545	8.35	7.73
17.3	73	38545	39073	10.02	11.26
17.4	74	39073	39601	8.86	12.67
17.5	75	39601	40129	6.53	4.45
17.6	76	40129	40657	8.37	13.47
17.7	77	40657	41185	8.12	13.00
17.8	78	41185	41713	5.22	11.62
17.9	79	41713	42241	15.43	11.63
18	80	42241	42769	8.94	12.01
18.1	81	42769	43297	9.06	10.02
18.2	82	43297	43825	11.22	13.06
18.3	83	43825	44353	4.33	6.85
18.4	84	44353	44881	2.32	5.90
18.5	85	44881	45409	2.45	5.31
18.6	86	45409	45937	10.89	7.38
18.7	87	45937	46465	10.91	11.12
18.8	88	46465	46993	5.34	3.45
18.9	89	46993	47521	7.31	6.75
19	90	47521	48049	10.00	4.17
19.1	91	48049	48577	9.25	14.19
19.2	92	48577	49105	5.50	8.37
19.3	93	49105	49633	2.10	3.86
19.4	94	49633	50161	2.15	4.27
19.5	95	50161	50689	11.96	9.80
19.6	96	50689	51217	13.41	10.68
19.7	97	51217	51745	13.75	11.99
19.8	98	51745	52273	10.47	9.84
19.9	99	52273	52801	10.21	12.23
20	100	52801	53329	12.51	13.34
20.1	101	53329	53857	12.26	10.58
20.2	102	53857	54385	7.76	13.41
20.3	103	54385	54913	9.39	10.64
20.4	104	54913	55441	12.31	11.13
20.5	105	55441	55969	8.87	12.19
20.6	106	55969	56497	10.35	10.90
20.7	107	56497	57025	11.52	9.34
20.8	108	57025	57553	6.86	13.67
20.9	109	57553	58081	6.59	7.03
21	110	58081	58609	6.29	7.46
21.1	111	58609	59137	4.46	8.89
21.2	112	59137	59665	6.92	10.45

21.3	113	59665	60193	8.29	11.32
21.4	114	60193	60721	8.68	9.89
21.5	115	60721	61249	12.91	10.94
21.6	116	61249	61777	7.76	9.62
21.7	117	61777	62305	6.41	4.77
21.8	118	62305	62833	6.61	11.62
21.9	119	62833	63361	7.62	13.68
22	120	63361	63889	10.31	10.34
22.1	121	63889	64417	13.66	17.95
22.2	122	64417	64945	18.93	13.09
22.3	123	64945	65473	8.24	9.86
22.4	124	65473	66001	8.53	14.41
22.5	125	66001	66529	6.26	10.48
22.6	126	66529	67057	17.24	21.85
22.7	127	67057	67585	5.59	15.30
22.8	128	67585	68113	18.02	18.37
22.9	129	68113	68641	11.86	14.08
23	130	68641	69169	11.24	11.73
23.1	131	69169	69697	12.46	13.71
23.2	132	69697	70225	11.88	15.26
23.3	133	70225	70753	10.00	14.36
23.4	134	70753	71281	14.42	19.85
23.5	135	71281	71809	12.49	5.94
23.6	136	71809	72337	3.83	4.65
23.7	137	72337	72865	2.57	0.92
23.8	138	72865	73393	15.07	17.56
23.9	139	73393	73921	16.24	18.88
24	140	73921	74449	11.56	11.98
24.1	141	74449	74977	11.99	16.16
24.2	142	74977	75505	6.20	14.38
24.3	143	75505	76033	10.00	6.49
24.4	144	76033	76561	10.23	10.54
24.5	145	76561	77089	6.89	4.61
24.6	146	77089	77617	5.28	4.90
24.7	147	77617	78145	6.55	6.73
24.8	148	78145	78673	5.62	12.48
24.9	149	78673	79201	7.23	8.55
25	150	79201	79729	8.88	12.46
25.1	151	79729	80257	10.06	12.59
25.2	152	80257	80785	11.44	12.49
25.3	153	80785	81313	10.46	13.03
25.4	154	81313	81841	5.92	11.52
25.5	155	81841	82369	6.46	14.11

25.6	156	82369	82897	10.94	12.75
25.7	157	82897	83425	10.14	12.72
25.8	158	83425	83953	6.77	12.90
25.9	159	83953	84481	10.65	14.75
26	160	84481	85009	10.74	13.35
26.1	161	85009	85537	10.56	11.14
26.2	162	85537	86065	15.01	13.06
26.3	163	86065	86593	9.39	9.58
26.4	164	86593	87121	10.98	12.83
26.5	165	87121	87649	12.07	7.23
26.6	166	87649	88177	12.92	6.99
26.7	167	88177	88705	8.02	6.41
26.8	168	88705	89233	9.16	9.62
26.9	169	89233	89761	9.63	9.94
27	170	89761	90289	12.16	13.23
27.1	171	90289	90817	13.72	9.75
27.2	172	90817	91345	14.88	17.86
27.3	173	91345	91873	11.41	11.05
27.4	174	91873	92401	12.00	14.75
27.5	175	92401	92929	11.20	12.36
27.6	176	92929	93457	10.28	13.58
27.7	177	93457	93985	11.18	14.59
27.8	178	93985	94513	12.61	9.55
27.9	179	94513	95041	10.21	10.18
28	180	95041	95569	9.38	9.54
28.1	181	95569	96097	7.38	10.32
28.2	182	96097	96625	10.65	11.55
28.3	183	96625	97153	10.92	11.07
28.4	184	97153	97681	2.48	7.15
28.5	185	97681	98209	9.63	12.08
28.6	186	98209	98737	7.87	6.55
28.7	187	98737	99265	6.14	10.26
28.8	188	99265	99793	11.41	10.17
28.9	189	99793	100321	7.13	9.81
29	190	100321	100849	8.43	15.23
29.1	191	100849	101377	5.63	5.11
29.2	192	101377	101905	11.85	6.63
29.3	193	101905	102433	4.83	3.82
29.4	194	102433	102961	7.68	7.06
29.5	195	102961	103489	6.29	6.62
29.6	196	103489	104017	2.94	5.75
29.7	197	104017	104545	4.06	4.82
29.8	198	104545	105073	9.75	3.69

29.9	199	105073	105601	3.18	5.27
30	200	105601	106129	4.53	6.41
30.1	201	106129	106657	4.68	8.16
30.2	202	106657	107185	3.74	5.32
30.3	203	107185	107713	1.76	6.62
30.4	204	107713	108241	4.50	5.47
30.5	205	108241	108769	3.17	3.58
30.6	206	108769	109297	3.60	4.25
30.7	207	109297	109825	7.22	5.87
30.8	208	109825	110353	4.76	8.06
30.9	209	110353	110881	6.73	6.31
31	210	110881	111409	4.76	7.95
31.1	211	111409	111937	7.04	6.56
31.2	212	111937	112465	6.98	7.06
31.3	213	112465	112993	6.84	9.98
31.4	214	112993	113521	8.04	9.51
31.5	215	113521	114049	9.75	11.06
31.6	216	114049	114577	7.09	8.87
31.7	217	114577	115105	4.81	6.69
31.8	218	115105	115633	4.22	5.13
31.9	219	115633	116161	2.83	5.31
32	220	116161	116689	9.55	15.06
32.1	221	116689	117217	8.17	25.93
32.2	222	117217	117745	2.70	8.51
32.3	223	117745	118273	4.03	16.25
32.4	224	118273	118801	3.04	14.92
32.5	225	118801	119329	6.96	3.84
32.6	226	119329	119857	4.74	7.01
32.7	227	119857	120385	5.37	15.21
32.8	228	120385	120913	7.17	7.40
32.9	229	120913	121441	9.26	11.29
33	230	121441	121969	9.30	5.11
33.1	231	121969	122497	5.81	9.94
33.2	232	122497	123025	6.42	10.06
33.3	233	123025	123553	7.98	7.47
33.4	234	123553	124081	9.21	12.98
33.5	235	124081	124609	11.54	12.02
33.6	236	124609	125137	11.79	14.72
33.7	237	125137	125665	9.71	8.26
33.8	238	125665	126193	2.65	5.20
33.9	239	126193	126721	3.90	5.22
34	240	126721	127249	4.31	3.70
34.1	241	127249	127777	3.95	10.55

34.2	242	127777	128305	2.75	5.69
34.3	243	128305	128833	5.34	4.05
34.4	244	128833	129361	3.91	5.21
34.5	245	129361	129889	4.38	3.51
34.6	246	129889	130417	4.04	6.57
34.7	247	130417	130945	8.09	6.60
34.8	248	130945	131473	6.95	8.10
34.9	249	131473	132001	6.97	10.58
35	250	132001	132529	7.97	8.18
35.1	251	132529	133057	6.99	5.28
35.2	252	133057	133585	9.79	7.41
35.3	253	133585	134113	4.69	8.09
35.4	254	134113	134641	4.21	7.65
35.5	255	134641	135169	8.85	10.12
35.6	256	135169	135697	8.75	12.03
35.7	257	135697	136225	8.49	8.35
35.8	258	136225	136753	7.59	8.97
35.9	259	136753	137281	8.24	9.75
36	260	137281	137809	8.80	12.59
36.1	261	137809	138337	7.11	8.50
36.2	262	138337	138865	9.02	9.94
36.3	263	138865	139393	6.93	11.82
36.4	264	139393	139921	9.82	9.31
36.5	265	139921	140449	10.07	12.50
36.6	266	140449	140977	9.72	9.02
36.7	267	140977	141505	8.11	12.69
36.8	268	141505	142033	11.09	11.55
36.9	269	142033	142561	8.59	10.56
37	270	142561	143089	8.28	8.95
37.1	271	143089	143617	5.78	5.34
37.2	272	143617	144145	10.22	10.85
37.3	273	144145	144673	6.82	7.15
37.4	274	144673	145201	10.71	13.31
37.5	275	145201	145729	10.50	9.99
37.6	276	145729	146257	8.46	10.36
37.7	277	146257	146785	14.52	16.34
37.8	278	146785	147313	8.94	13.11
37.9	279	147313	147841	3.82	5.85
38	280	147841	148369	4.34	3.92
38.1	281	148369	148897	8.53	2.96
38.2	282	148897	149425	6.87	7.06
38.3	283	149425	149953	2.29	4.20
38.4	284	149953	150481	2.80	3.49

38.5	285	150481	151009	8.69	5.84
38.6	286	151009	151537	11.05	5.39
38.7	287	151537	152065	3.55	3.78
38.8	288	152065	152593	5.19	5.82
38.9	289	152593	153121	16.49	12.92
39	290	153121	153649	10.03	10.39
39.1	291	153649	154177	8.07	9.07
39.2	292	154177	154705	7.83	9.47
39.3	293	154705	155233	6.95	7.81
39.4	294	155233	155761	8.46	8.87
39.5	295	155761	156289	8.65	9.52
39.6	296	156289	156817	10.67	8.34
39.7	297	156817	157345	11.64	14.48
39.8	298	157345	157873	14.02	13.41
39.9	299	157873	158401	11.32	10.34
40	300	158401	158929	8.78	6.55
40.1	301	158929	159457	10.16	9.47
40.2	302	159457	159985	14.86	5.73
40.3	303	159985	160513	10.46	12.11
40.4	304	160513	161041	8.15	9.27
40.5	305	161041	161569	12.39	12.66
40.6	306	161569	162097	17.96	19.88
40.7	307	162097	162625	9.10	9.66
40.8	308	162625	163153	10.16	7.11
40.9	309	163153	163681	12.20	13.51
41	310	163681	164209	7.11	10.11
41.1	311	164209	164737	9.19	8.99
41.2	312	164737	165265	7.01	6.09
41.3	313	165265	165793	7.52	7.39
41.4	314	165793	166321	3.73	5.48
41.5	315	166321	166849	4.01	4.20
41.6	316	166849	167377	2.91	4.47
41.7	317	167377	167905	3.55	4.69
41.8	318	167905	168433	1.99	7.44
41.9	319	168433	168961	2.85	5.42
42	320	168961	169489	3.39	5.92
42.1	321	169489	170017	2.93	5.45
42.2	322	170017	170545	2.87	6.43
42.3	323	170545	171073	3.35	3.18
42.4	324	171073	171601	3.66	5.17
42.5	325	171601	172129	4.41	6.58
42.6	326	172129	172657	5.04	8.50
42.7	327	172657	173185	4.23	3.31

42.8	328	173185	173713	3.19	4.65
42.9	329	173713	174241	4.76	4.31
43	330	174241	174769	3.84	6.14
43.1	331	174769	175297	2.11	25.83
43.2	332	175297	175825	3.32	5.17
43.3	333	175825	176353	2.97	3.85
43.4	334	176353	176881	3.33	5.73
43.4	0	1	529	1.82	4.90
43.5	1	529	1057	3.87	4.61
43.6	2	1057	1585	8.87	5.29
43.7	3	1585	2113	4.78	6.09
43.8	4	2113	2641	3.23	4.49
43.9	5	2641	3169	3.24	5.27
44	6	3169	3697	5.71	6.09
44.1	7	3697	4225	5.04	5.46
44.2	8	4225	4753	4.80	6.20
44.3	9	4753	5281	4.64	6.22
44.4	10	5281	5809	3.59	10.20
44.5	11	5809	6337	2.47	7.60
44.6	12	6337	6865	6.66	5.59
44.7	13	6865	7393	5.59	4.79
44.8	14	7393	7921	3.98	4.23
44.9	15	7921	8449	4.79	4.97
45	16	8449	8977	3.05	3.08
45.1	17	8977	9505	3.79	3.13
45.2	18	9505	10033	3.96	3.70
45.3	19	10033	10561	4.34	6.58
45.4	20	10561	11089	5.34	4.13
45.5	21	11089	11617	5.13	5.22
45.6	22	11617	12145	4.76	4.26
45.7	23	12145	12673	3.44	1.82
45.8	24	12673	13201	2.88	3.97
45.9	25	13201	13729	4.63	7.60
46	26	13729	14257	3.92	1.99
46.1	27	14257	14785	4.62	4.91
46.2	28	14785	15313	3.96	6.92
46.3	29	15313	15841	3.24	4.98
46.4	30	15841	16369	4.01	5.77
46.5	31	16369	16897	4.18	4.97
46.6	32	16897	17425	1.83	6.01
46.7	33	17425	17953	3.44	3.11
46.8	34	17953	18481	3.01	4.47
46.9	35	18481	19009	4.32	3.82

47	36	19009	19537	4.81	3.61
47.1	37	19537	20065	2.12	6.70
47.2	38	20065	20593	4.65	4.17
47.3	39	20593	21121	4.56	4.83
47.4	40	21121	21649	5.00	4.97
47.5	41	21649	22177	4.14	4.18
47.6	42	22177	22705	6.55	8.45
47.7	43	22705	23233	6.38	8.02
47.8	44	23233	23761	10.93	6.62
47.9	45	23761	24289	12.65	8.98
48	46	24289	24817	10.07	9.85
48.1	47	24817	25345	11.21	9.83
48.2	48	25345	25873	12.04	11.02
48.3	49	25873	26401	14.06	11.34
48.4	50	26401	26929	11.56	8.11
48.5	51	26929	27457	8.02	5.44
48.6	52	27457	27985	12.29	8.02
48.7	53	27985	28513	8.16	10.42
48.8	54	28513	29041	8.43	15.63
48.9	55	29041	29569	7.29	11.59
49	56	29569	30097	9.30	11.27
49.1	57	30097	30625	5.15	8.17
49.2	58	30625	31153	4.41	6.92
49.3	59	31153	31681	1.27	2.65
49.4	60	31681	32209	3.79	11.13
49.5	61	32209	32737	4.56	9.29
49.6	62	32737	33265	6.45	10.90
49.7	63	33265	33793	6.05	6.96
49.8	64	33793	34321	4.82	13.89
49.9	65	34321	34849	6.63	2.42
50	66	34849	35377	11.97	4.73
50.1	67	35377	35905	4.87	10.01
50.2	68	35905	36433	3.80	7.06
50.3	69	36433	36961	6.24	9.35
50.4	70	36961	37489	2.69	8.98
50.5	71	37489	38017	5.21	7.59
50.6	72	38017	38545	6.91	9.71
50.7	73	38545	39073	9.74	6.71
50.8	74	39073	39601	8.92	12.57
50.9	75	39601	40129	7.93	9.14
51	76	40129	40657	5.12	8.66
51.1	77	40657	41185	6.21	11.46
51.2	78	41185	41713	5.79	8.60

51.3	79	41713	42241	1.63	6.01
51.4	80	42241	42769	2.29	5.50
51.5	81	42769	43297	3.66	6.17
51.6	82	43297	43825	6.03	5.88
51.7	83	43825	44353	2.19	5.35
51.8	84	44353	44881	4.36	6.85
51.9	85	44881	45409	2.12	4.03
52	86	45409	45937	5.14	2.83
52.1	87	45937	46465	5.29	9.37
52.2	88	46465	46993	4.33	9.87
52.3	89	46993	47521	3.87	6.47
52.4	90	47521	48049	6.37	5.73
52.5	91	48049	48577	3.29	6.89
52.6	92	48577	49105	4.90	9.04
52.7	93	49105	49633	6.19	6.79
52.8	94	49633	50161	6.18	6.22
52.9	95	50161	50689	2.97	7.47
53	96	50689	51217	5.05	5.11
53.1	97	51217	51745	5.10	10.28
53.2	98	51745	52273	3.30	22.25
53.3	99	52273	52801	3.16	5.18
53.4	100	52801	53329	5.14	6.38
53.5	101	53329	53857	3.92	7.76
53.6	102	53857	54385	5.73	5.80
53.7	103	54385	54913	2.39	5.39
53.8	104	54913	55441	2.61	4.78
53.9	105	55441	55969	2.74	10.51
54	106	55969	56497	4.63	7.37
54.1	107	56497	57025	6.28	6.00
54.2	108	57025	57553	6.80	5.04
54.3	109	57553	58081	6.63	6.77
54.4	110	58081	58609	3.93	6.85
54.5	111	58609	59137	1.34	4.03
54.6	112	59137	59665	1.83	6.22
54.7	113	59665	60193	4.92	5.73
54.8	114	60193	60721	6.49	4.42
54.9	115	60721	61249	3.48	5.32
55	116	61249	61777	4.59	5.68
55.1	117	61777	62305	2.28	4.22
55.2	118	62305	62833	4.20	6.20
55.3	119	62833	63361	4.46	10.26
55.4	120	63361	63889	8.51	18.79
55.5	121	63889	64417	3.70	6.66

55.6	122	64417	64945	3.67	6.53
55.7	123	64945	65473	7.17	6.76
55.8	124	65473	66001	3.57	10.11
55.9	125	66001	66529	3.47	4.16
56	126	66529	67057	4.86	6.44
56.1	127	67057	67585	2.83	4.67
56.2	128	67585	68113	2.02	8.91
56.3	129	68113	68641	2.06	6.44
56.4	130	68641	69169	4.32	7.10
56.5	131	69169	69697	6.08	7.22
56.6	132	69697	70225	3.88	6.37
56.7	133	70225	70753	3.94	7.20
56.8	134	70753	71281	3.65	6.68
56.9	135	71281	71809	3.19	6.78
57	136	71809	72337	3.93	4.87
57.1	137	72337	72865	7.22	6.87
57.2	138	72865	73393	6.20	8.53
57.3	139	73393	73921	9.25	6.93
57.4	140	73921	74449	4.30	8.41
57.5	141	74449	74977	5.22	8.34
57.6	142	74977	75505	2.98	6.24
57.7	143	75505	76033	4.29	5.59
57.8	144	76033	76561	3.53	8.87
57.9	145	76561	77089	6.14	8.67
58	146	77089	77617	7.53	9.63
58.1	147	77617	78145	4.11	8.26
58.2	148	78145	78673	7.99	8.88
58.3	149	78673	79201	4.72	7.92
58.4	150	79201	79729	4.58	6.65
58.5	151	79729	80257	6.62	6.48
58.6	152	80257	80785	4.91	6.69
58.7	153	80785	81313	5.01	8.58
58.8	154	81313	81841	6.89	9.62
58.9	155	81841	82369	6.68	4.68
59	156	82369	82897	6.44	6.76
59.1	157	82897	83425	4.13	3.21
59.2	158	83425	83953	6.95	8.98
59.3	159	83953	84481	5.50	6.41
59.4	160	84481	85009	6.10	7.24
59.5	161	85009	85537	7.25	6.24
59.6	162	85537	86065	4.75	4.15
59.7	163	86065	86593	2.98	8.29
59.8	164	86593	87121	6.00	9.84

59.9	165	87121	87649	2.50	6.65
60	166	87649	88177	6.28	9.08
60.1	167	88177	88705	4.91	7.45
60.2	168	88705	89233	3.26	3.65
60.3	169	89233	89761	4.38	5.76
60.4	170	89761	90289	3.10	7.23
60.5	171	90289	90817	3.64	8.32
60.6	172	90817	91345	3.56	5.07
60.7	173	91345	91873	2.61	6.14
60.8	174	91873	92401	4.51	5.25
60.9	175	92401	92929	4.24	7.65
61	176	92929	93457	3.42	6.10
61.1	177	93457	93985	2.94	7.48
61.2	178	93985	94513	5.53	8.98
61.3	179	94513	95041	6.06	9.76
61.4	180	95041	95569	6.59	10.25
61.5	181	95569	96097	4.58	10.23
61.6	182	96097	96625	3.89	9.59
61.7	183	96625	97153	7.51	9.63
61.8	184	97153	97681	6.80	8.08
61.9	185	97681	98209	9.04	14.62
62	186	98209	98737	15.78	18.04
62.1	187	98737	99265	13.38	11.97
62.2	188	99265	99793	19.66	17.29
62.3	189	99793	100321	14.20	13.21
62.4	190	100321	100849	12.96	17.16
62.5	191	100849	101377	11.31	13.20
62.6	192	101377	101905	8.89	8.72
62.7	193	101905	102433	5.79	7.61
62.8	194	102433	102961	4.27	8.25
62.9	195	102961	103489	9.09	8.94
63	196	103489	104017	7.39	7.01
63.1	197	104017	104545	4.70	9.15
63.2	198	104545	105073	8.45	8.64
63.3	199	105073	105601	3.88	5.59
63.4	200	105601	106129	5.54	8.16
63.5	201	106129	106657	5.23	9.62
63.6	202	106657	107185	7.18	8.33
63.7	203	107185	107713	7.59	14.68
63.8	204	107713	108241	6.75	12.74
63.9	205	108241	108769	7.92	17.31
64	206	108769	109297	7.14	18.16
64.1	207	109297	109825	6.17	11.88

64.2	208	109825	110353	5.59	10.83
64.3	209	110353	110881	12.09	7.75
64.4	210	110881	111409	19.09	9.88
64.5	211	111409	111937	9.01	31.48
64.6	212	111937	112465	7.98	19.11
64.7	213	112465	112993	3.99	5.04
64.8	214	112993	113521	6.38	9.11
64.9	215	113521	114049	9.96	8.38
65	216	114049	114577	6.37	13.57
65.1	217	114577	115105	7.24	14.91
65.2	218	115105	115633	8.59	10.93
65.3	219	115633	116161	5.91	14.09
65.4	220	116161	116689	3.68	9.79
65.5	221	116689	117217	6.86	7.06
65.6	222	117217	117745	6.07	8.77
65.7	223	117745	118273	7.78	11.37
65.8	224	118273	118801	13.70	13.24
65.9	225	118801	119329	14.23	11.11
66	226	119329	119857	8.28	6.53
66.1	227	119857	120385	13.48	11.59
66.2	228	120385	120913	5.76	2.36
66.3	229	120913	121441	6.32	4.99
66.4	230	121441	121969	5.78	4.65
66.5	231	121969	122497	9.93	6.40
66.6	232	122497	123025	11.95	4.56
66.7	233	123025	123553	6.07	6.90
66.8	234	123553	124081	5.72	25.70
66.9	235	124081	124609	7.17	7.33
67	236	124609	125137	7.02	6.56
67.1	237	125137	125665	10.39	12.80
67.2	238	125665	126193	5.57	6.90
67.3	239	126193	126721	4.89	8.42
67.4	240	126721	127249	6.23	5.98
67.5	241	127249	127777	7.83	9.37
67.6	242	127777	128305	4.94	8.26
67.7	243	128305	128833	5.91	9.66
67.8	244	128833	129361	5.17	9.44
67.9	245	129361	129889	4.64	9.10
68	246	129889	130417	4.75	8.52
68.1	247	130417	130945	8.56	8.01
68.2	248	130945	131473	9.25	13.56
68.3	249	131473	132001	8.99	9.66
68.4	250	132001	132529	6.86	5.84

68.5	251	132529	133057	7.28	10.01
68.6	252	133057	133585	10.26	9.17
68.7	253	133585	134113	8.08	8.03
68.8	254	134113	134641	4.19	6.13
68.9	255	134641	135169	5.65	2.51
69	256	135169	135697	5.67	3.48
69.1	257	135697	136225	6.75	7.46
69.2	258	136225	136753	5.27	6.74
69.3	259	136753	137281	9.53	3.11
69.4	260	137281	137809	12.37	10.90
69.5	261	137809	138337	9.56	5.22
69.6	262	138337	138865	8.63	10.71
69.7	263	138865	139393	7.91	4.21
69.8	264	139393	139921	13.73	2.29
69.9	265	139921	140449	6.81	3.85
70	266	140449	140977	6.10	4.35
70.1	267	140977	141505	8.29	4.91
70.2	268	141505	142033	7.65	7.23
70.3	269	142033	142561	6.91	7.98
70.4	270	142561	143089	4.84	4.92
70.5	271	143089	143617	4.64	5.64
70.6	272	143617	144145	7.54	8.20
70.7	273	144145	144673	8.70	6.04
70.8	274	144673	145201	7.56	5.28
70.9	275	145201	145729	8.54	9.83
71	276	145729	146257	5.41	8.35
71.1	277	146257	146785	8.28	6.51
71.2	278	146785	147313	7.13	5.71
71.3	279	147313	147841	5.54	6.59
71.4	280	147841	148369	4.50	7.65
71.5	281	148369	148897	7.33	6.05
71.6	282	148897	149425	7.26	6.27
71.7	283	149425	149953	2.88	5.41
71.8	284	149953	150481	5.24	7.77
71.9	285	150481	151009	5.00	9.28
72	286	151009	151537	5.52	6.19
72.1	287	151537	152065	6.57	7.46
72.2	288	152065	152593	7.35	7.70
72.3	289	152593	153121	6.30	7.54
72.4	290	153121	153649	4.04	8.15
72.5	291	153649	154177	7.43	6.16
72.6	292	154177	154705	6.46	6.30
72.7	293	154705	155233	7.58	5.94

72.8	294	155233	155761	9.88	7.61
72.9	295	155761	156289	9.33	5.04
73	296	156289	156817	6.39	4.41
73.1	297	156817	157345	5.98	9.17
73.2	298	157345	157873	6.93	5.38
73.3	299	157873	158401	7.02	7.12
73.4	300	158401	158929	5.37	6.58
73.5	301	158929	159457	6.94	6.76
73.6	302	159457	159985	4.10	6.19
73.7	303	159985	160513	3.04	5.60
73.8	304	160513	161041	3.57	4.69
73.9	305	161041	161569	4.68	7.85
74	306	161569	162097	7.27	4.67
74.1	307	162097	162625	5.91	12.35
74.2	308	162625	163153	4.93	6.78
74.3	309	163153	163681	7.30	5.73
74.4	310	163681	164209	5.20	4.13
74.5	311	164209	164737	9.02	4.44
74.6	312	164737	165265	3.29	4.49
74.7	313	165265	165793	3.56	2.95
74.8	314	165793	166321	5.78	4.47
74.9	315	166321	166849	5.53	11.63
75	316	166849	167377	2.67	3.97
75.1	317	167377	167905	5.10	6.50
75.2	318	167905	168433	4.86	4.19
75.3	319	168433	168961	4.86	6.53
75.4	320	168961	169489	2.71	5.57
75.5	321	169489	170017	2.86	4.99
75.6	322	170017	170545	3.82	6.22
75.7	323	170545	171073	3.73	6.48
75.8	324	171073	171601	6.30	7.00
75.9	325	171601	172129	4.78	7.39
76	326	172129	172657	4.31	3.85
76.1	327	172657	173185	4.30	7.44
76.2	328	173185	173713	4.67	6.50
76.3	329	173713	174241	3.93	7.81
76.4	330	174241	174769	5.54	6.07
76.5	331	174769	175297	5.26	5.01
76.6	332	175297	175825	5.35	11.34
76.7	333	175825	176353	4.30	7.34
76.8	334	176353	176881	7.88	6.74
76.9	335	176881	177409	6.50	8.66
77	336	177409	177937	5.72	6.81

77.1	337	177937	178465	5.28	7.67
77.2	338	178465	178993	4.81	8.04
77.3	339	178993	179521	6.51	9.41
77.4	340	179521	180049	4.84	7.31
77.5	341	180049	180577	7.27	8.66
77.6	342	180577	181105	4.30	10.99
77.7	343	181105	181633	4.24	5.39
77.8	344	181633	182161	4.51	5.41
77.9	345	182161	182689	11.28	9.36
78	346	182689	183217	3.26	5.44
78.1	347	183217	183745	6.18	7.38
78.2	348	183745	184273	4.43	6.60
78.3	349	184273	184801	5.57	6.50
78.4	350	184801	185329	4.32	6.62
78.5	351	185329	185857	6.56	7.06
78.6	352	185857	186385	4.44	7.28
78.7	353	186385	186913	5.73	8.44
78.8	354	186913	187441	8.42	8.98
78.9	355	187441	187969	4.67	6.08
79	356	187969	188497	7.13	6.80
79.1	357	188497	189025	4.59	7.45
79.2	358	189025	189553	7.12	6.59
79.3	359	189553	190081	6.62	9.82
79.4	360	190081	190609	7.93	7.00
79.5	361	190609	191137	2.17	2.57
79.6	362	191137	191665	4.23	5.32
79.7	363	191665	192193	3.28	8.54
79.8	364	192193	192721	5.69	3.67
79.8	0	1	529	3.44	4.33
79.9	1	529	1057	5.33	4.97
80	2	1057	1585	6.62	10.39
80.1	3	1585	2113	11.90	7.42
80.2	4	2113	2641	2.41	3.09
80.3	5	2641	3169	4.30	7.50
80.4	6	3169	3697	7.77	10.67
80.5	7	3697	4225	8.02	6.00
80.6	8	4225	4753	2.83	9.30
80.7	9	4753	5281	4.96	6.89
80.8	10	5281	5809	9.60	11.18
80.9	11	5809	6337	6.48	7.85
81	12	6337	6865	6.83	6.89
81.1	13	6865	7393	6.25	9.82
81.2	14	7393	7921	6.72	7.47

81.3	15	7921	8449	9.93	11.06
81.4	16	8449	8977	6.20	6.27
81.5	17	8977	9505	4.79	25.03
81.6	18	9505	10033	8.02	5.81
81.7	19	10033	10561	7.81	8.52
81.8	20	10561	11089	4.08	6.86
81.9	21	11089	11617	9.50	8.44
82	22	11617	12145	8.44	9.62
82.1	23	12145	12673	5.83	11.87
82.2	24	12673	13201	6.95	2.90
82.3	25	13201	13729	7.09	5.33
82.4	26	13729	14257	8.01	7.14
82.5	27	14257	14785	7.36	8.03
82.6	28	14785	15313	8.76	7.14
82.7	29	15313	15841	11.23	5.13
82.8	30	15841	16369	6.54	8.11
82.9	31	16369	16897	10.63	9.39
83	32	16897	17425	8.02	7.06
83.1	33	17425	17953	10.00	10.17
83.2	34	17953	18481	7.93	8.93
83.3	35	18481	19009	8.25	8.93
83.4	36	19009	19537	6.81	7.78
83.5	37	19537	20065	5.88	7.37
83.6	38	20065	20593	8.20	7.54
83.7	39	20593	21121	7.99	13.83
83.8	40	21121	21649	5.29	9.09
83.9	41	21649	22177	3.32	13.24
84	42	22177	22705	2.67	28.30
84.1	43	22705	23233	18.44	11.41
84.2	44	23233	23761	11.64	19.02
84.3	45	23761	24289	12.07	13.37
84.4	46	24289	24817	3.19	11.44
84.5	47	24817	25345	6.02	5.47
84.6	48	25345	25873	9.06	6.92
84.7	49	25873	26401	7.60	5.88
84.8	50	26401	26929	5.80	6.39
84.9	51	26929	27457	12.00	9.91
85	52	27457	27985	5.54	4.44
85.1	53	27985	28513	5.66	3.95
85.2	54	28513	29041	5.18	6.87
85.3	55	29041	29569	4.09	13.69
85.4	56	29569	30097	9.96	8.91
85.5	57	30097	30625	6.19	4.20

85.6	58	30625	31153	10.51	7.32
85.7	59	31153	31681	5.06	8.34
85.8	60	31681	32209	8.50	3.88
85.9	61	32209	32737	15.68	10.10
86	62	32737	33265	10.25	9.62
86.1	63	33265	33793	12.42	7.06
86.2	64	33793	34321	13.57	8.71
86.3	65	34321	34849	8.10	7.57
86.4	66	34849	35377	7.85	7.12
86.5	67	35377	35905	5.24	10.97
86.6	68	35905	36433	9.52	8.98
86.7	69	36433	36961	12.28	8.38
86.8	70	36961	37489	11.09	10.46
86.9	71	37489	38017	6.35	9.67
87	72	38017	38545	8.03	6.65
87.1	73	38545	39073	8.63	6.67
87.2	74	39073	39601	12.10	11.78
87.3	75	39601	40129	7.72	6.32
87.4	76	40129	40657	6.36	5.25
87.5	77	40657	41185	4.27	4.73
87.6	78	41185	41713	2.59	4.32
87.7	79	41713	42241	9.11	4.79
87.8	80	42241	42769	3.42	5.54
87.9	81	42769	43297	2.39	3.81
88	82	43297	43825	2.31	6.03
88.1	83	43825	44353	5.25	5.71
88.2	84	44353	44881	4.30	4.27
88.3	85	44881	45409	4.57	2.16
88.4	86	45409	45937	5.15	3.85
88.5	87	45937	46465	4.40	4.54
88.6	88	46465	46993	6.52	5.92
88.7	89	46993	47521	5.42	3.18
88.8	90	47521	48049	5.43	4.79
88.9	91	48049	48577	6.32	4.71
89	92	48577	49105	4.09	5.42
89.1	93	49105	49633	6.00	5.87
89.2	94	49633	50161	6.57	6.80
89.3	95	50161	50689	3.93	3.64
89.4	96	50689	51217	4.64	4.33
89.5	97	51217	51745	4.79	8.25
89.6	98	51745	52273	5.07	5.51
89.7	99	52273	52801	3.81	4.41
89.8	100	52801	53329	3.62	4.49

89.9	101	53329	53857	4.34	3.54
90	102	53857	54385	3.83	5.45
90.1	103	54385	54913	4.22	5.48
90.2	104	54913	55441	4.53	6.61
90.3	105	55441	55969	2.80	4.13
90.4	106	55969	56497	4.00	5.77
90.5	107	56497	57025	4.14	4.82
90.6	108	57025	57553	3.43	4.96
90.7	109	57553	58081	4.55	5.77
90.8	110	58081	58609	4.56	6.57
90.9	111	58609	59137	2.07	4.44
91	112	59137	59665	3.77	3.74
91.1	113	59665	60193	2.41	6.19
91.2	114	60193	60721	5.13	5.59
91.3	115	60721	61249	2.28	5.48
91.4	116	61249	61777	2.97	5.67
91.5	117	61777	62305	2.88	4.43
91.6	118	62305	62833	4.42	7.70
91.7	119	62833	63361	2.66	5.62
91.8	120	63361	63889	3.33	7.93
91.9	121	63889	64417	3.48	5.95
92	122	64417	64945	6.88	11.77
92.1	123	64945	65473	2.50	4.70
92.2	124	65473	66001	5.30	6.83
92.3	125	66001	66529	8.15	8.45
92.4	126	66529	67057	14.14	16.54
92.5	127	67057	67585	18.68	16.24
92.6	128	67585	68113	8.01	16.46
92.7	129	68113	68641	12.28	14.92
92.8	130	68641	69169	14.05	16.04
92.9	131	69169	69697	9.56	11.67
93	132	69697	70225	15.24	24.63
93.1	133	70225	70753	18.10	17.80
93.2	134	70753	71281	9.16	9.96
93.3	135	71281	71809	3.51	6.79
93.4	136	71809	72337	3.07	7.75
93.5	137	72337	72865	3.24	5.81
93.6	138	72865	73393	3.26	5.03
93.7	139	73393	73921	3.04	2.01
93.8	140	73921	74449	3.13	5.25
93.9	141	74449	74977	1.47	3.36
94	142	74977	75505	2.02	5.17
94.1	143	75505	76033	9.10	7.13

94.2	144	76033	76561	5.68	8.94
94.3	145	76561	77089	5.31	12.14
94.4	146	77089	77617	5.32	5.71
94.5	147	77617	78145	8.55	8.72
94.6	148	78145	78673	6.03	6.15
94.7	149	78673	79201	4.11	6.46
94.8	150	79201	79729	3.63	10.52
94.8	0	1	529	5.98	5.95
94.9	1	529	1057	5.18	6.15
95	2	1057	1585	7.55	7.37
95.1	3	1585	2113	5.05	7.95
95.2	4	2113	2641	7.62	7.70
95.3	5	2641	3169	5.55	8.75
95.4	6	3169	3697	5.80	11.39
95.5	7	3697	4225	2.71	7.67
95.6	8	4225	4753	7.61	9.97
95.7	9	4753	5281	5.28	6.41
95.8	10	5281	5809	3.76	3.82
95.9	11	5809	6337	5.49	12.96
96	12	6337	6865	5.89	7.62
96.1	13	6865	7393	10.54	9.63
96.2	14	7393	7921	6.88	12.87
96.3	15	7921	8449	5.52	8.71
96.4	16	8449	8977	7.57	10.85
96.5	17	8977	9505	8.68	9.60
96.6	18	9505	10033	8.00	10.08
96.7	19	10033	10561	8.33	8.46
96.8	20	10561	11089	6.29	9.84
96.9	21	11089	11617	7.01	6.96
97	22	11617	12145	7.24	6.68
97.1	23	12145	12673	5.06	7.02
97.2	24	12673	13201	3.62	6.87
97.3	25	13201	13729	7.17	9.05
97.4	26	13729	14257	5.76	7.57
97.5	27	14257	14785	6.50	9.11
97.6	28	14785	15313	9.15	13.51
97.7	29	15313	15841	2.78	6.75
97.8	30	15841	16369	7.96	9.54
97.9	31	16369	16897	4.86	4.65
98	32	16897	17425	4.61	5.16
98.1	33	17425	17953	4.40	5.91
98.2	34	17953	18481	3.92	6.05
98.3	35	18481	19009	6.46	8.20

98.4	36	19009	19537	6.92	6.61
98.5	37	19537	20065	3.97	6.09
98.6	38	20065	20593	4.91	7.18
98.7	39	20593	21121	6.96	6.25
98.8	40	21121	21649	4.91	5.81
98.9	41	21649	22177	6.14	6.45
99	42	22177	22705	4.18	5.77
99.1	43	22705	23233	4.93	6.20
99.2	44	23233	23761	1.17	4.54
99.3	45	23761	24289	2.53	6.32
99.4	46	24289	24817	7.10	10.43
99.5	47	24817	25345	7.83	11.35
99.6	48	25345	25873	7.45	11.61
99.7	49	25873	26401	5.68	11.11
99.8	50	26401	26929	7.59	9.36
99.9	51	26929	27457	7.00	10.53
100	52	27457	27985	10.88	10.37
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100.2	54	28513	29041	12.36	9.36
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100.7	59	31153	31681	7.70	9.85
100.8	60	31681	32209	5.73	8.67
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101	62	32737	33265	8.15	11.11
101.1	63	33265	33793	7.82	7.60
101.2	64	33793	34321	11.05	11.24
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101.6	68	35905	36433	9.34	13.05
101.7	69	36433	36961	5.37	10.13
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101.9	71	37489	38017	15.27	35.92
102	72	38017	38545	8.01	10.44
102.1	73	38545	39073	7.42	10.74
102.2	74	39073	39601	9.11	11.59
102.3	75	39601	40129	7.38	9.75
102.4	76	40129	40657	7.31	12.43
102.5	77	40657	41185	7.99	9.09
102.6	78	41185	41713	8.38	13.84

102.7	79	41713	42241	7.95	9.74
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103.8	8	4225	4753	7.28	9.90
103.9	9	4753	5281	11.64	10.82
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104.1	11	5809	6337	8.84	9.52
104.2	12	6337	6865	6.36	11.83
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105	20	10561	11089	10.56	15.61
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105.2	22	11617	12145	34.83	37.40
105.3	23	12145	12673	21.86	23.79
105.4	24	12673	13201	8.18	6.97
105.5	25	13201	13729	5.11	18.85
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105.7	27	14257	14785	8.65	31.24
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106.2	32	16897	17425	8.12	2.22
106.3	33	17425	17953	16.18	18.78
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106.5	35	18481	19009	9.68	13.77
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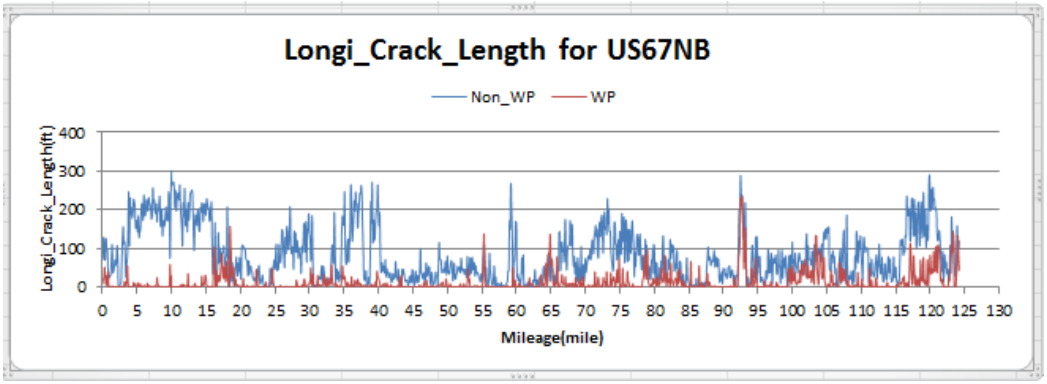
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108.3	53	27985	28513	4.93	8.69
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108.5	55	29041	29569	4.09	6.10
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109.3	63	33265	33793	14.09	10.56
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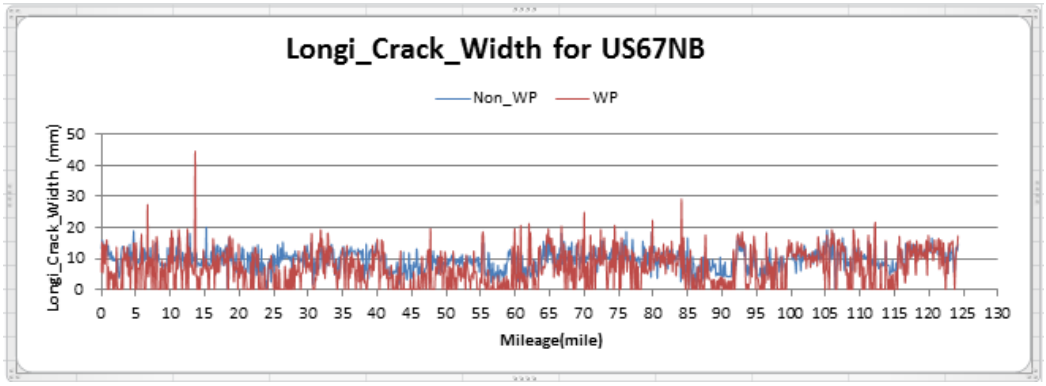
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112	90	47521	48049	3.77	8.37
112.1	91	48049	48577	3.75	5.49
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114	110	58081	58609	5.54	6.80
114.1	111	58609	59137	2.09	6.42
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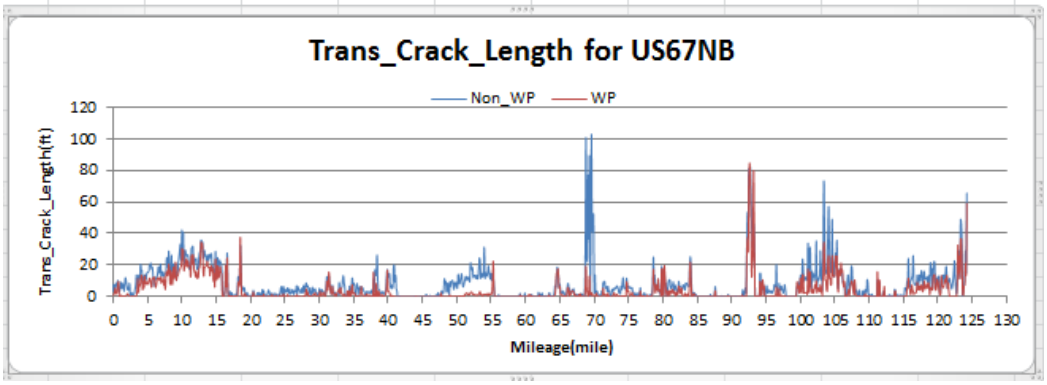
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116.3	133	70225	70753	13.13	13.04
116.4	134	70753	71281	8.97	9.66
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116.6	136	71809	72337	8.45	8.31
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116.8	138	72865	73393	12.29	11.59
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118.8	158	83425	83953	10.32	3.36
118.9	159	83953	84481	10.12	8.47
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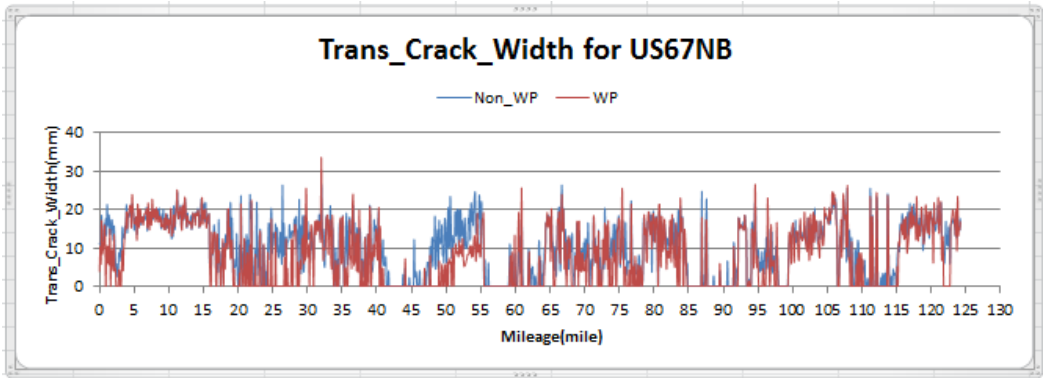
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121	180	95041	95569	5.68	10.31
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121.3	183	96625	97153	13.32	5.32
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121.6	186	98209	98737	8.80	14.69
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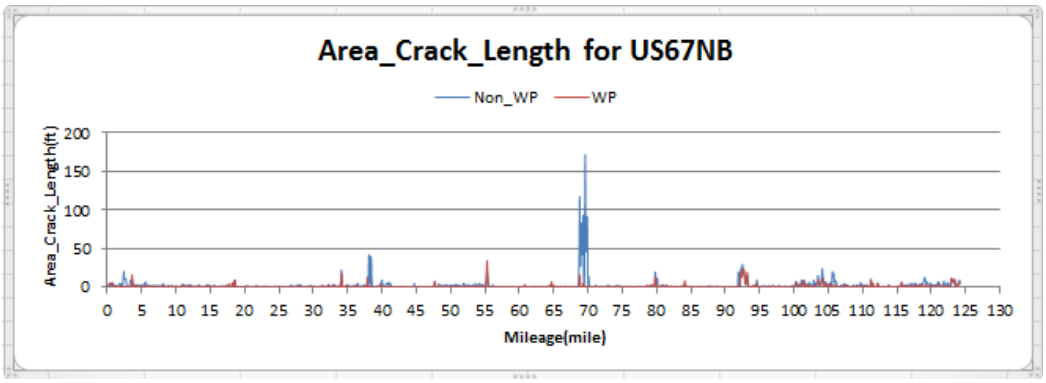
Cracking Data

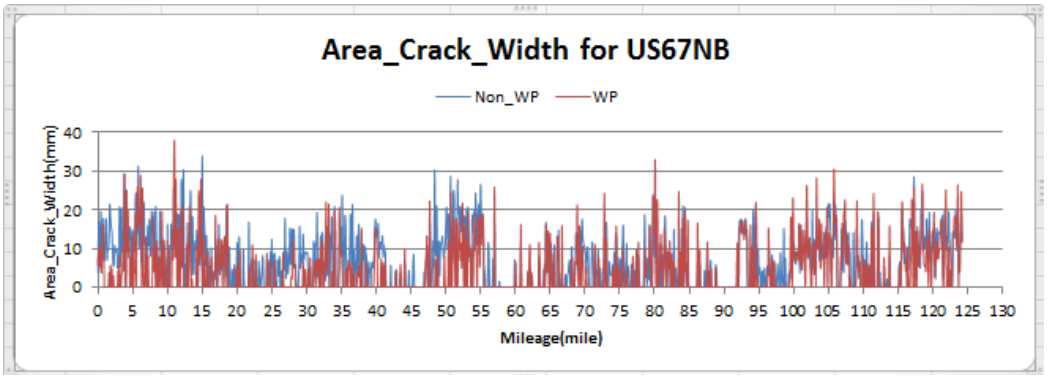







Trans_Crack_Width for US67NB
Non_WP
WP
Trans_Crack_Width(mm)
0
10
20
30
40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)


Area_Crack_Length for US67NB
Non_WP
WP
Area_Crack_Length(ft)
0
50
100
150
200
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)


Area_Crack_Width for US67NB
Non_WP
WP
Area_Crack_Width(mm)
0
10
20
30
40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	70.78	8.60	13.16	5.74	3.50	0.80	11.20	3.87	0.32	1.09	3.77	5.73
0.1	117.82	21.36	15.91	15.41	7.97	1.36	10.84	10.34	1.03	1.39	17.10	9.66
0.2	128.43	24.10	15.12	5.36	4.47	1.86	11.66	5.85	2.37	1.00	7.47	5.29
0.3	72.03	51.70	13.61	13.79	2.39	5.43	18.55	17.18	3.28	5.20	6.69	10.44
0.4	69.28	23.10	13.07	14.44	8.20	1.91	12.09	8.47	3.95	3.41	19.54	4.80
0.5	125.33	6.12	11.76	8.20	6.66	1.87	11.72	9.26	4.48	3.92	11.50	3.75
0.6	100.16	29.66	14.44	13.69	9.01	3.44	12.21	11.01	0.60	2.34	6.72	9.97
0.7	100.79	4.12	14.17	14.45	10.33	7.99	16.32	15.91	5.85	2.21	17.77	16.04
0.8	42.16	40.12	12.62	15.91	8.72	9.60	14.46	15.94	4.61	4.55	10.61	15.44
0.9	22.55	0.00	10.56	0.00	2.96	0.00	17.67	0.00	2.21	0.00	6.82	0.00
1	30.15	0.73	14.30	7.29	4.61	0.38	13.22	6.26	2.43	0.00	10.19	0.00
1.1	26.64	0.00	11.34	0.00	6.09	0.27	21.37	10.63	1.75	0.00	17.58	0.00
1.2	40.86	0.16	11.75	5.52	9.28	1.14	15.77	6.08	2.23	0.00	17.67	0.00
1.3	76.32	0.88	9.94	3.38	5.16	0.49	18.70	10.39	1.56	0.00	7.13	0.00
1.4	109.35	3.45	12.30	5.89	8.12	0.31	18.18	5.61	1.40	0.00	9.19	0.00
1.5	36.38	1.27	10.06	3.35	7.63	0.21	13.55	14.92	1.61	0.00	10.07	0.00
1.6	40.58	0.30	9.31	4.77	3.42	0.00	13.55	0.00	1.84	0.15	13.33	3.77
1.7	52.69	0.00	10.80	0.00	8.58	0.37	17.39	9.03	2.61	0.00	21.34	0.00
1.8	70.47	0.97	9.26	5.32	12.14	0.36	17.40	9.51	4.73	0.11	18.17	5.69
1.9	55.28	0.37	10.03	4.72	10.00	0.63	14.13	5.12	2.03	0.00	15.51	0.00
2	65.93	0.00	9.19	0.00	7.04	1.34	12.05	4.09	4.42	0.43	14.21	4.80
2.1	107.64	2.43	9.41	2.64	4.53	1.96	15.83	13.56	1.24	0.00	9.32	0.00
2.2	80.38	2.12	9.67	13.74	5.75	1.17	10.79	3.94	1.26	1.83	5.48	3.02
2.3	8.04	0.89	5.68	1.40	4.02	1.10	6.72	4.79	10.09	0.00	5.42	0.00
2.4	4.23	0.00	9.39	0.00	8.43	0.00	2.87	0.00	20.41	0.00	10.74	0.00
2.5	5.51	0.00	3.73	0.00	0.98	0.00	2.49	0.00	9.63	0.00	9.00	0.00
2.6	6.38	0.00	4.20	0.00	0.73	0.00	5.89	0.00	10.57	0.00	9.44	0.00
2.7	11.79	0.00	5.24	0.00	2.66	0.00	4.24	0.00	10.73	0.00	10.00	0.00
2.8	72.82	0.00	9.63	0.00	1.35	0.36	8.69	4.33	0.75	0.00	4.89	0.00
2.9	129.63	1.85	11.93	3.42	0.81	0.35	7.74	3.94	0.45	1.08	5.61	4.27
3	155.92	3.23	13.71	10.12	2.02	0.00	9.70	0.00	0.81	0.00	5.09	0.00
3.1	110.84	0.00	13.97	0.00	1.97	0.00	6.59	0.00	1.05	0.21	20.84	7.92
3.2	117.74	14.06	13.85	11.49	5.06	0.32	9.40	6.05	2.46	0.00	5.40	0.00
3.3	71.87	12.08	11.80	13.91	7.60	0.24	15.40	9.41	5.38	0.00	16.03	0.00
3.4	25.66	3.40	10.05	9.56	13.81	0.58	13.58	4.02	9.26	0.42	20.26	3.19
3.5	57.90	14.53	9.51	9.78	9.48	3.95	12.68	9.60	4.32	1.60	9.07	3.93
3.6	80.56	55.90	11.77	11.60	5.03	11.44	12.43	12.84	9.37	15.78	9.93	9.61
3.7	147.43	10.33	12.46	7.40	13.02	2.57	15.78	14.47	2.52	1.54	14.92	4.73
3.8	246.52	0.49	13.50	13.82	13.89	7.43	16.01	16.44	4.22	3.09	29.28	29.29
3.9	106.17	1.79	7.85	4.91	10.90	6.60	21.33	19.43	2.33	0.00	17.73	0.00

4	228.91	0.14	7.91	4.31	20.50	10.08	13.88	14.97	0.00	0.00	0.00	0.00
4.1	188.41	1.98	14.66	10.65	16.74	13.73	18.82	18.26	2.14	2.06	24.48	24.73
4.2	205.15	0.00	7.52	0.00	16.81	13.00	17.96	19.06	1.37	0.47	18.95	9.06
4.3	177.90	0.67	12.07	7.18	7.73	4.29	18.41	19.99	3.46	0.92	14.42	20.00
4.4	190.69	2.06	9.43	6.58	13.08	9.72	20.52	21.22	1.75	0.67	8.98	7.86
4.5	227.24	12.26	10.22	8.09	9.46	5.53	20.41	18.94	1.72	0.61	12.29	10.40
4.6	221.41	4.37	15.46	11.10	13.92	13.15	17.48	15.34	2.59	0.00	15.58	0.00
4.7	209.47	7.93	18.61	15.05	12.51	9.17	21.48	23.83	1.49	0.55	14.76	7.58
4.8	152.73	1.78	6.48	10.59	10.60	7.75	20.47	20.77	0.42	0.00	6.15	0.00
4.9	173.18	0.00	6.57	0.00	14.95	9.37	18.84	19.18	1.57	0.00	6.40	0.00
5	165.70	1.88	13.12	14.90	15.47	8.23	14.61	16.30	3.24	0.72	14.67	13.45
5.1	142.34	11.43	7.43	8.40	15.20	8.05	17.73	16.68	0.92	0.00	11.11	0.00
5.2	184.20	0.00	9.78	0.00	16.24	10.31	17.71	16.25	0.83	0.01	12.01	4.54
5.3	128.89	3.38	8.52	6.61	19.97	11.86	18.05	18.05	2.31	0.80	9.47	3.71
5.4	141.16	6.76	9.12	7.00	19.91	10.66	13.55	12.00	4.84	2.30	23.22	18.95
5.5	149.86	8.69	8.64	6.58	21.19	7.66	17.44	21.22	4.55	0.00	24.36	0.00
5.6	197.11	0.68	11.29	8.28	17.57	5.88	18.59	19.10	6.35	0.81	13.92	19.37
5.7	216.85	0.00	13.07	0.00	18.81	10.69	17.76	15.33	1.50	0.60	18.15	26.01
5.8	191.21	0.63	15.68	17.78	15.22	12.16	18.54	20.10	2.00	0.34	31.26	19.20
5.9	174.60	0.82	7.96	8.35	6.55	11.42	19.06	20.00	1.91	1.29	10.38	17.33
6	238.18	5.13	12.34	13.54	11.69	12.35	15.97	16.62	1.85	1.86	11.88	15.71
6.1	198.54	1.98	8.79	6.28	10.52	8.31	18.22	17.66	1.51	0.69	15.43	28.94
6.2	184.48	0.00	13.37	0.00	10.70	5.72	17.39	18.09	1.33	0.45	6.65	21.62
6.3	205.58	0.00	9.42	0.00	12.70	7.76	16.80	15.93	0.79	0.00	9.68	0.00
6.4	226.43	0.00	12.16	0.00	12.47	10.86	18.36	17.74	1.62	0.76	23.40	25.59
6.5	205.36	9.93	11.35	8.81	15.28	11.96	17.27	19.00	1.06	0.48	4.88	6.69
6.6	196.83	0.36	9.83	5.32	18.98	11.91	17.56	18.94	1.74	0.00	21.88	0.00
6.7	231.91	4.46	9.41	27.46	14.94	10.45	18.43	19.68	1.71	0.00	11.72	0.00
6.8	218.67	0.40	8.78	4.26	15.24	11.84	20.51	20.16	1.02	0.50	10.82	3.66
6.9	214.76	3.35	10.07	6.66	20.75	12.36	14.53	15.25	1.97	0.42	10.72	13.02
7	202.91	0.21	11.20	10.38	12.60	8.56	16.85	21.64	1.18	0.00	3.60	0.00
7.1	175.16	0.09	13.51	7.57	13.08	9.98	17.79	19.10	1.06	0.00	12.38	0.00
7.2	183.44	1.76	8.71	9.86	16.00	9.45	17.24	14.73	1.14	0.48	15.92	8.32
7.3	257.05	0.00	8.72	0.00	15.18	12.37	19.29	19.37	0.95	0.00	10.63	0.00
7.4	217.97	0.22	9.15	5.24	12.70	7.09	19.13	18.29	2.21	0.00	17.59	0.00
7.5	226.73	1.05	9.90	15.85	14.22	10.33	17.35	16.03	0.91	0.00	8.81	0.00
7.6	196.11	3.68	9.58	8.70	14.51	4.53	20.42	22.68	0.82	0.00	8.07	0.00
7.7	190.60	0.00	9.53	0.00	14.97	13.93	17.45	19.31	0.95	0.00	19.51	0.00
7.8	215.57	0.00	14.96	0.00	24.59	16.23	18.45	17.85	1.49	0.00	17.67	0.00
7.9	168.45	24.81	14.60	7.76	20.65	13.15	19.86	20.14	2.00	1.09	14.57	18.29
8	193.79	7.66	9.08	17.03	18.65	15.23	20.18	18.71	1.51	0.57	9.07	4.05
8.1	196.95	6.10	15.75	14.59	28.94	20.56	18.54	16.82	4.53	0.36	19.49	4.75
8.2	219.92	0.00	10.34	0.00	19.31	15.81	19.72	20.48	0.15	0.24	7.02	10.52

8.3	234.33	0.00	11.36	0.00	13.66	7.67	19.04	17.53	2.42	0.00	20.92	0.00
8.4	157.31	0.00	8.92	0.00	16.73	16.43	20.19	19.70	1.24	0.00	9.51	0.00
8.5	198.37	0.00	8.79	0.00	26.31	14.13	18.56	16.72	0.15	0.30	8.00	12.01
8.6	201.97	2.32	7.67	6.82	16.73	7.53	20.41	18.39	0.46	0.00	7.92	0.00
8.7	132.24	0.00	7.40	0.00	15.13	11.11	17.40	16.92	0.00	0.00	0.00	0.00
8.8	171.36	0.38	7.55	9.26	20.75	18.68	17.62	18.26	0.08	0.35	3.47	5.20
8.9	158.75	0.11	6.64	4.26	14.96	11.74	15.00	15.54	2.78	0.40	19.56	7.51
9	157.69	0.40	7.83	6.32	12.61	12.58	18.84	17.52	0.98	0.00	9.78	0.00
9.1	183.04	0.00	8.48	0.00	20.86	21.99	17.53	15.53	0.75	0.00	10.67	0.00
9.2	207.83	0.88	7.66	6.96	10.73	10.36	20.11	16.02	1.27	1.07	12.40	19.45
9.3	178.29	0.53	6.73	8.52	14.53	12.46	16.62	14.89	0.08	0.44	5.25	7.87
9.4	170.52	0.00	7.72	0.00	15.38	13.24	17.45	17.84	0.65	0.00	3.88	0.00
9.5	184.69	0.00	7.95	0.00	21.37	14.36	14.77	14.73	2.21	0.67	10.88	12.12
9.6	246.75	0.00	13.56	0.00	25.41	16.87	18.69	18.96	0.00	0.00	0.00	0.00
9.7	181.43	4.42	8.97	10.77	30.08	16.96	15.22	16.19	0.52	0.00	5.64	0.00
9.8	74.70	58.40	9.74	11.09	32.98	18.53	18.77	17.61	0.00	0.00	0.00	0.00
9.9	237.52	0.05	9.55	5.67	22.76	19.04	15.26	15.03	0.48	0.00	7.56	0.00
10	301.39	29.02	13.76	16.65	39.91	24.93	16.87	17.39	1.98	1.01	8.30	12.01
10.1	264.18	0.28	10.67	5.63	42.18	30.50	14.91	13.86	0.36	0.00	16.18	0.00
10.2	264.11	0.43	10.58	11.32	30.14	23.15	17.69	17.34	0.00	0.00	0.00	0.00
10.3	266.36	1.35	15.60	19.08	41.03	30.03	17.10	16.29	0.45	0.85	10.89	9.29
10.4	272.13	0.08	10.56	8.35	22.90	16.50	20.12	20.33	0.00	0.00	0.00	0.00
10.5	250.05	0.64	8.94	16.57	20.25	18.75	12.43	13.25	0.55	0.00	2.81	0.00
10.6	205.34	0.00	9.07	0.00	29.32	19.36	15.93	15.26	0.55	0.00	15.96	0.00
10.7	250.03	0.00	10.74	0.00	27.38	22.34	13.01	13.97	0.88	0.00	12.51	0.00
10.8	196.81	1.02	9.20	5.04	25.84	24.01	20.92	18.67	0.60	1.14	9.91	14.87
10.9	227.60	0.00	9.97	0.00	26.15	18.68	17.01	15.52	1.49	0.02	9.96	7.37
11	240.89	1.02	13.84	10.75	26.54	22.52	14.90	17.06	1.68	1.73	23.45	29.52
11.1	244.14	0.80	10.08	6.49	21.98	19.67	19.41	19.36	3.91	2.55	26.64	37.35
11.2	226.09	0.54	16.74	7.49	17.40	19.41	21.57	20.99	0.60	1.15	12.13	7.89
11.3	264.64	1.88	10.20	19.20	19.10	17.87	24.57	25.20	1.14	2.89	17.33	27.89
11.4	203.65	4.79	12.86	17.36	16.91	12.55	19.52	19.10	0.79	1.05	19.15	11.11
11.5	179.18	0.06	8.45	14.85	30.23	26.09	17.80	17.56	1.68	0.00	18.52	0.00
11.6	149.98	7.46	6.67	7.98	31.37	20.31	19.37	19.56	1.54	0.65	11.90	15.07
11.7	107.62	0.73	6.57	4.62	32.02	26.71	17.91	18.85	1.14	0.42	18.44	7.61
11.8	216.80	0.00	10.68	0.00	24.58	23.72	21.22	20.56	0.00	0.00	0.00	0.00
11.9	182.13	6.82	12.08	6.31	20.95	15.72	15.65	15.59	2.77	0.00	19.07	0.00
12	255.35	4.06	9.09	5.96	23.18	16.32	16.83	14.71	3.54	0.54	5.34	12.19
12.1	160.57	3.16	10.38	9.29	24.00	12.57	19.41	21.21	2.23	0.37	27.87	20.01
12.2	181.16	0.99	9.20	10.44	24.30	16.16	18.59	17.46	0.88	0.37	5.51	6.08
12.3	198.36	3.35	8.57	11.47	17.30	11.51	17.47	17.71	1.09	1.60	12.04	21.25
12.4	142.34	0.00	6.75	0.00	18.54	14.20	22.90	23.17	2.48	0.00	30.23	0.00
12.5	218.70	35.03	7.14	13.63	17.09	11.88	19.92	21.28	0.00	0.00	0.00	0.00

12.6	172.92	0.39	8.07	19.08	24.65	17.64	17.78	17.44	0.34	0.00	5.83	0.00
12.7	190.35	0.00	7.27	0.00	28.23	19.09	15.23	15.44	0.00	0.00	0.00	0.00
12.8	240.11	0.33	9.25	13.58	28.07	25.24	19.12	18.42	0.91	0.00	9.60	0.00
12.9	244.69	0.85	18.05	12.22	35.84	34.55	16.81	16.98	1.16	0.46	5.42	11.15
13	248.74	1.19	13.72	8.68	35.34	30.78	16.89	16.99	0.99	0.00	16.62	0.00
13.1	251.24	2.13	9.90	7.19	34.84	33.40	16.18	16.27	0.92	0.00	5.07	0.00
13.2	209.18	1.28	7.70	8.09	24.24	17.51	16.71	16.92	0.58	0.78	8.89	15.78
13.3	138.55	0.71	11.88	6.15	27.96	12.94	18.45	16.04	1.13	0.70	14.17	20.89
13.4	94.80	3.49	9.20	4.84	29.27	18.87	14.79	14.97	1.62	1.74	25.01	9.50
13.5	171.04	10.08	10.03	5.01	25.62	18.68	17.58	16.89	2.42	0.00	17.47	0.00
13.6	187.67	0.50	10.36	11.78	25.24	19.27	19.19	19.19	1.44	0.26	3.01	2.24
13.7	171.76	3.09	8.82	44.67	22.59	19.73	17.84	18.37	1.42	0.00	18.24	0.00
13.8	159.87	0.16	11.89	4.32	26.50	22.68	18.58	18.81	0.35	0.00	7.15	0.00
13.9	200.42	0.56	11.13	4.74	24.39	18.83	16.79	15.88	0.46	0.00	3.32	0.00
14	190.01	0.00	7.35	0.00	22.60	18.38	19.10	19.07	0.55	0.00	10.10	0.00
14.1	145.95	0.00	8.68	0.00	26.85	18.69	19.42	19.11	0.91	0.00	11.99	0.00
14.2	143.68	0.65	8.61	4.19	25.81	13.20	18.53	18.45	0.95	0.00	10.02	0.00
14.3	205.26	0.00	8.11	0.00	24.82	18.21	20.37	19.95	1.13	0.42	14.83	10.44
14.4	193.81	0.00	7.64	0.00	27.31	19.67	18.53	19.03	0.40	0.00	10.49	0.00
14.5	218.53	28.69	7.94	6.88	20.54	16.00	15.27	15.47	0.00	0.45	0.00	8.34
14.6	215.10	4.26	9.34	6.27	19.41	17.99	18.55	16.57	3.26	0.64	14.06	24.93
14.7	169.40	8.88	7.36	4.62	16.69	9.72	16.91	15.84	0.95	0.08	11.66	7.20
14.8	198.30	4.29	7.66	5.46	17.06	14.95	22.76	21.39	0.15	0.34	5.67	8.51
14.9	216.02	14.36	12.12	12.86	13.45	5.99	21.28	23.07	2.28	1.73	18.61	27.89
15	193.04	30.74	8.83	7.54	28.75	23.75	17.13	16.26	0.95	0.20	8.60	13.81
15.1	186.25	23.18	10.66	7.82	14.63	13.33	20.42	19.49	2.00	0.00	33.97	0.00
15.2	227.82	4.58	8.05	6.45	14.60	10.72	21.57	19.80	0.75	0.00	9.26	0.00
15.3	217.70	1.42	20.18	9.88	24.86	19.64	16.92	17.70	0.84	0.38	20.59	12.59
15.4	205.78	2.05	8.49	5.64	17.07	11.93	21.92	20.21	0.54	0.00	16.24	0.00
15.5	205.65	0.57	8.80	7.50	19.28	11.96	16.63	15.36	1.08	0.00	9.91	0.00
15.6	170.88	0.00	7.57	0.00	23.34	16.84	16.45	16.56	0.36	0.00	5.61	0.00
15.7	171.84	0.00	8.15	0.00	21.30	19.20	18.43	18.02	2.60	0.79	13.33	8.10
15.8	201.12	1.54	7.66	6.70	21.61	15.08	16.44	18.33	0.00	0.00	0.00	0.00
15.9	218.96	1.42	8.95	7.82	18.53	14.70	18.81	18.93	0.86	0.10	9.50	9.34
16	99.03	0.14	12.30	6.94	3.85	0.63	4.92	5.84	0.00	0.00	0.00	0.00
16.1	33.75	0.77	8.88	6.59	2.37	0.00	5.80	0.00	0.46	0.00	5.48	0.00
16.2	62.24	47.03	10.94	7.75	0.42	0.00	4.25	0.00	0.47	0.00	5.35	0.00
16.3	37.56	103.54	14.31	16.34	1.09	0.72	8.53	13.98	0.00	0.00	0.00	0.00
16.4	166.94	67.10	12.81	12.52	6.58	5.79	8.16	8.54	0.89	1.61	10.20	7.70
16.5	3.79	0.00	13.50	0.00	20.43	20.02	9.83	9.65	0.08	0.39	2.73	4.09
16.6	10.78	43.40	5.44	9.14	12.06	6.19	15.88	13.40	0.07	0.43	1.64	2.46
16.7	18.86	2.02	4.90	5.01	27.67	24.53	14.45	14.22	0.00	0.00	0.00	0.00
16.8	89.82	29.80	14.12	11.01	3.62	3.03	12.25	13.44	1.38	0.79	3.30	4.27

16.9	141.13	13.32	11.83	5.51	0.48	0.00	4.40	0.00	0.03	1.02	2.26	3.08
17	60.92	30.51	14.29	11.72	2.36	0.00	6.65	0.00	0.52	1.07	12.41	18.62
17.1	101.03	14.59	12.45	7.16	3.33	0.75	11.83	13.54	0.40	1.05	3.43	4.38
17.2	97.15	32.90	12.42	5.44	0.89	0.33	3.69	6.20	0.00	1.02	0.00	5.07
17.3	64.12	56.84	9.87	10.12	2.40	0.29	17.46	6.43	0.86	0.00	10.76	0.00
17.4	88.71	86.09	13.51	10.64	2.41	0.37	6.01	9.44	1.27	1.98	10.53	9.22
17.5	88.76	57.08	7.94	10.80	0.50	0.43	6.10	4.00	0.86	1.01	16.12	12.38
17.6	89.24	22.95	10.70	10.62	0.00	0.00	0.00	0.00	0.52	0.01	3.40	5.09
17.7	106.38	28.15	9.53	12.21	0.96	0.33	8.94	5.00	1.45	0.78	8.20	6.79
17.8	67.38	54.96	12.70	11.61	0.56	0.37	6.87	5.68	1.18	4.24	5.88	7.94
17.9	56.59	24.59	7.65	7.83	0.71	0.56	11.24	12.28	1.41	1.83	4.30	11.99
18	76.15	14.85	13.14	9.86	1.86	0.00	4.70	0.00	0.55	0.00	6.65	0.00
18.1	85.18	66.45	11.58	8.69	0.88	0.30	11.13	10.03	1.27	0.63	7.38	9.00
18.2	208.00	23.96	14.38	13.72	5.82	0.40	11.36	4.42	0.97	0.99	9.43	11.12
18.3	85.12	32.35	12.52	13.16	12.94	9.16	13.51	11.12	1.24	5.32	6.53	12.97
18.4	0.00	0.00	0.00	0.00	7.46	7.25	10.30	9.67	0.57	0.00	3.62	0.00
18.5	0.00	0.00	0.00	0.00	9.25	6.79	11.11	11.25	0.06	0.84	2.69	7.69
18.6	101.02	154.93	15.90	16.22	32.53	37.58	19.88	20.09	8.90	7.16	20.99	20.70
18.7	90.45	90.16	16.79	17.31	19.01	20.21	19.05	20.25	4.98	8.70	20.35	21.39
18.8	14.27	24.92	9.24	10.13	4.54	0.64	14.84	10.28	0.00	0.00	0.00	0.00
18.9	63.82	38.51	9.76	10.30	6.05	1.18	10.38	15.33	0.57	0.00	6.02	0.00
19	25.52	38.67	11.46	13.24	5.96	0.55	21.94	7.17	0.50	0.00	10.22	0.00
19.1	9.96	52.66	8.26	16.25	3.49	0.27	10.46	7.30	0.00	0.00	0.00	0.00
19.2	4.18	15.79	7.14	7.16	5.84	1.42	17.82	12.09	0.00	0.00	0.00	0.00
19.3	40.27	2.05	9.04	2.37	2.96	2.16	11.59	8.31	0.00	0.00	0.00	0.00
19.4	53.22	20.64	8.32	5.52	0.49	0.00	2.04	0.00	0.35	0.00	4.59	0.00
19.5	78.09	5.12	10.24	8.94	0.50	0.38	6.93	4.56	0.00	0.00	0.00	0.00
19.6	38.54	7.04	11.74	8.10	2.63	0.00	4.96	0.00	0.00	0.00	0.00	0.00
19.7	28.53	4.12	5.66	6.27	0.95	0.00	5.06	0.00	0.56	0.00	5.83	0.00
19.8	62.46	5.03	5.38	6.92	0.49	0.00	5.49	0.00	0.00	0.00	0.00	0.00
19.9	39.32	0.00	5.56	0.00	0.93	0.00	13.81	0.00	0.43	0.00	4.30	0.00
20	76.77	2.44	5.91	14.73	0.46	0.00	2.72	0.00	0.42	0.05	3.40	5.10
20.1	39.72	1.13	4.70	3.94	0.00	0.00	0.00	0.00	1.01	0.00	11.57	0.00
20.2	22.04	2.99	4.71	5.95	0.48	0.00	2.60	0.00	0.07	0.32	3.90	5.85
20.3	102.68	0.17	9.18	9.08	1.41	0.38	10.74	3.47	0.99	0.00	4.37	0.00
20.4	109.14	0.51	11.81	5.26	0.00	0.00	0.00	0.00	1.50	0.00	13.08	0.00
20.5	105.11	22.58	13.78	6.96	4.04	3.09	23.52	21.48	1.75	0.91	3.19	9.54
20.6	97.55	6.66	9.74	7.57	2.34	0.81	10.23	6.99	0.00	0.00	0.00	0.00
20.7	101.49	0.00	13.10	0.00	0.75	0.41	9.12	3.00	0.00	0.00	0.00	0.00
20.8	95.30	0.95	6.99	1.66	0.43	0.00	3.34	0.00	0.00	0.00	0.00	0.00
20.9	72.06	0.05	6.72	5.86	0.49	0.00	8.43	0.00	0.00	0.00	0.00	0.00
21	70.62	2.80	5.24	6.57	1.07	0.21	7.68	12.41	0.47	0.00	9.71	0.00
21.1	57.38	4.57	6.90	3.80	2.45	0.36	11.77	6.08	0.47	0.00	2.21	0.00

21.2	29.15	0.00	5.67	0.00	2.30	0.00	4.42	0.00	0.00	0.00	0.00	0.00
21.3	68.22	0.00	11.89	0.00	1.18	0.00	13.34	0.00	0.00	0.00	0.00	0.00
21.4	32.81	0.00	10.49	0.00	2.76	0.35	10.86	8.72	0.00	0.00	0.00	0.00
21.5	53.29	0.00	11.10	0.00	0.95	0.35	5.57	8.30	0.00	0.00	0.00	0.00
21.6	54.30	0.00	5.22	0.00	1.80	0.00	12.09	0.00	0.00	0.00	0.00	0.00
21.7	42.86	0.00	5.69	0.00	0.46	0.00	2.49	0.00	0.00	0.00	0.00	0.00
21.8	40.00	3.05	12.03	8.76	4.56	0.41	23.50	10.74	2.43	0.31	16.88	5.75
21.9	22.14	0.00	3.07	0.00	0.83	0.00	17.72	0.00	0.00	0.00	0.00	0.00
22	24.22	3.21	8.25	11.78	4.06	1.60	21.79	22.36	0.00	0.00	0.00	0.00
22.1	15.16	1.33	13.72	4.17	1.53	0.38	15.63	8.53	0.56	0.00	4.14	0.00
22.2	20.36	0.00	3.94	0.00	1.35	0.00	5.42	0.00	0.52	0.00	6.61	0.00
22.3	24.00	2.39	6.47	11.90	0.00	0.00	0.00	0.00	0.06	0.34	7.31	10.97
22.4	12.60	45.97	9.96	13.68	0.00	0.00	0.00	0.00	0.00	0.53	0.00	4.75
22.5	15.33	22.47	10.68	13.08	0.88	0.00	6.05	0.00	0.00	0.00	0.00	0.00
22.6	27.63	3.83	4.59	8.58	2.24	0.35	9.67	8.33	0.00	0.00	0.00	0.00
22.7	48.97	0.01	10.46	7.08	4.22	0.00	7.77	0.00	0.55	0.00	7.02	0.00
22.8	55.65	2.05	14.36	11.33	3.60	0.00	21.97	0.00	1.05	0.08	5.67	8.50
22.9	13.97	0.00	5.87	0.00	0.98	0.00	3.25	0.00	0.00	0.00	0.00	0.00
23	7.75	0.00	8.73	0.00	1.86	0.00	9.62	0.00	0.00	0.00	0.00	0.00
23.1	15.57	0.00	7.44	0.00	1.26	0.00	5.08	0.00	0.00	0.00	0.00	0.00
23.2	23.12	1.31	5.61	5.69	2.17	1.27	13.46	12.13	1.52	0.00	6.71	0.00
23.3	31.19	0.00	13.13	0.00	2.09	1.20	14.77	14.21	0.50	0.00	3.30	0.00
23.4	13.31	0.00	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.5	3.08	0.00	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.6	5.04	0.00	8.68	0.00	0.00	0.00	0.00	0.00	0.35	0.00	3.09	0.00
23.7	4.56	3.44	6.63	5.83	2.32	0.00	10.63	0.00	0.50	0.00	5.10	0.00
23.8	3.24	13.00	7.74	7.18	0.57	0.85	9.74	11.06	0.46	0.00	8.01	0.00
23.9	1.44	0.00	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.45	0.00	4.02	0.00	0.00	0.00	0.00	0.00
24.1	1.99	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.3	9.12	0.35	8.96	4.56	1.27	0.00	5.57	0.00	0.00	0.00	0.00	0.00
24.4	48.52	4.75	8.44	8.61	2.55	1.12	10.47	8.92	0.95	0.15	7.06	8.80
24.5	44.79	10.78	9.81	7.51	5.52	0.00	16.47	0.00	0.74	0.00	6.62	0.00
24.6	23.13	21.66	6.97	6.86	6.34	0.00	15.31	0.00	0.91	0.00	7.06	0.00
24.7	6.57	48.14	2.33	11.05	0.90	0.00	6.96	0.00	0.00	0.00	0.00	0.00
24.8	48.37	17.77	10.13	7.61	4.81	0.00	17.75	0.00	0.00	0.00	0.00	0.00
24.9	58.05	8.71	7.48	6.06	6.36	1.91	20.20	17.59	1.17	0.39	9.12	7.05
25	70.48	0.17	11.61	5.91	0.85	0.00	8.62	0.00	0.55	0.00	4.84	0.00
25.1	45.46	0.00	5.28	0.00	4.87	0.00	13.74	0.00	0.88	0.00	12.33	0.00
25.2	84.83	0.82	10.90	5.17	3.01	0.00	12.71	0.00	0.00	0.00	0.00	0.00
25.3	110.04	0.00	9.29	0.00	4.07	0.00	13.93	0.00	0.49	0.00	8.48	0.00
25.4	43.16	0.00	8.98	0.00	3.10	0.00	10.55	0.00	0.00	0.00	0.00	0.00

25.5	63.50	0.18	7.64	7.80	5.69	1.41	16.32	14.19	1.01	0.29	8.79	6.78
25.6	46.45	0.00	10.27	0.00	2.79	0.00	8.89	0.00	0.00	0.00	0.00	0.00
25.7	109.86	0.00	14.49	0.00	1.79	0.00	15.32	0.00	0.00	0.00	0.00	0.00
25.8	64.95	0.00	6.96	0.00	4.93	0.00	14.07	0.00	0.00	0.00	0.00	0.00
25.9	62.83	4.79	10.34	6.36	1.78	0.00	7.61	0.00	0.50	0.00	7.03	0.00
26	82.35	0.00	8.54	0.00	1.80	0.00	8.46	0.00	0.81	0.00	3.02	0.00
26.1	148.49	0.00	13.36	0.00	2.67	0.00	9.66	0.00	0.43	0.00	2.99	0.00
26.2	147.13	0.00	10.63	0.00	4.51	0.00	14.14	0.00	0.34	0.00	8.01	0.00
26.3	110.43	0.00	9.57	0.00	2.57	0.00	8.57	0.00	0.00	0.00	0.00	0.00
26.4	82.12	0.00	15.34	0.00	1.40	0.00	6.01	0.00	0.00	0.00	0.00	0.00
26.5	51.36	0.00	11.84	0.00	4.09	0.00	26.43	0.00	1.02	0.00	4.23	0.00
26.6	128.76	0.00	9.83	0.00	2.80	0.00	7.86	0.00	0.00	0.00	0.00	0.00
26.7	86.72	2.65	10.70	7.46	3.90	0.00	16.46	0.00	1.58	0.07	9.00	8.85
26.8	155.62	0.27	10.37	4.24	6.98	1.27	8.86	7.56	1.67	0.00	8.38	0.00
26.9	145.47	0.00	12.15	0.00	1.30	0.00	8.06	0.00	0.45	0.00	4.65	0.00
27	97.36	0.00	10.37	0.00	6.24	0.37	12.98	12.34	2.55	0.00	17.84	0.00
27.1	110.61	1.65	11.06	3.35	4.78	0.00	10.07	0.00	0.52	0.00	2.68	0.00
27.2	144.97	0.00	10.13	0.00	3.78	0.27	11.34	4.73	0.37	0.00	6.65	0.00
27.3	208.20	0.00	10.65	0.00	4.27	0.00	11.67	0.00	0.74	0.00	9.32	0.00
27.4	108.76	0.29	9.60	6.71	2.21	0.00	12.20	0.00	0.38	0.00	3.56	0.00
27.5	86.63	0.00	9.38	0.00	3.72	0.00	16.14	0.00	1.26	0.00	5.15	0.00
27.6	92.52	0.00	10.94	0.00	5.53	0.00	13.52	0.00	1.14	0.00	8.05	0.00
27.7	103.12	0.68	5.97	6.83	2.18	0.00	12.60	0.00	2.21	0.00	15.29	0.00
27.8	46.14	0.00	5.06	0.00	7.01	0.25	14.29	12.06	0.85	0.00	6.08	0.00
27.9	144.41	0.98	11.30	9.99	4.76	0.60	14.46	7.47	2.35	0.59	8.09	2.79
28	91.87	0.03	8.53	6.73	2.96	0.00	14.22	0.00	2.84	0.04	15.02	2.12
28.1	140.34	0.00	11.23	0.00	7.37	1.50	13.06	13.11	2.61	1.28	14.40	11.61
28.2	89.15	17.81	12.56	7.73	8.76	4.99	17.45	14.31	1.39	0.67	7.92	9.51
28.3	120.93	10.66	10.79	5.55	6.18	1.16	15.71	16.17	2.94	1.37	14.94	5.00
28.4	106.53	0.41	11.23	4.50	7.16	3.27	17.96	15.70	0.58	0.84	5.08	5.79
28.5	74.68	0.67	10.10	6.16	5.98	0.66	18.27	13.14	0.52	0.00	5.92	0.00
28.6	101.85	0.27	9.36	5.73	2.63	0.00	10.13	0.00	0.52	0.00	2.22	0.00
28.7	82.50	1.00	10.69	12.44	5.47	0.78	14.34	6.27	0.00	0.00	0.00	0.00
28.8	82.13	2.03	9.32	4.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.9	34.76	3.01	8.67	3.92	1.59	0.00	22.49	0.00	0.00	0.00	0.00	0.00
29	103.84	0.00	9.88	0.00	3.64	0.24	11.14	5.16	0.37	0.00	5.92	0.00
29.1	88.05	6.17	9.11	5.37	6.08	1.03	15.79	6.87	0.88	0.00	15.83	0.00
29.2	114.09	0.11	10.83	5.11	2.05	0.71	3.48	4.66	0.78	0.00	5.09	0.00
29.3	165.09	19.90	12.06	6.03	4.48	1.68	9.09	12.45	0.48	0.00	8.49	0.00
29.4	124.36	20.53	7.24	11.05	3.87	1.03	18.38	8.52	0.40	0.00	6.27	0.00
29.5	91.37	2.03	8.66	12.67	5.14	2.57	12.46	13.38	1.44	0.00	8.15	0.00
29.6	169.56	1.53	12.51	14.12	2.47	0.71	3.80	5.92	1.99	0.40	13.76	6.68
29.7	64.43	1.56	8.27	9.94	2.75	0.78	18.41	18.28	1.48	0.00	7.15	0.00

29.8	138.91	3.01	13.45	5.24	1.53	0.74	12.50	6.81	1.62	0.42	8.36	4.17
29.9	152.55	6.30	14.39	11.72	1.57	0.69	13.51	25.16	0.86	0.12	8.90	4.55
30	190.10	5.82	12.51	7.22	1.59	0.79	13.52	19.27	0.87	0.00	9.11	0.00
30.1	141.29	11.97	11.40	8.35	5.14	0.79	17.01	7.80	0.42	0.00	8.53	0.00
30.2	127.07	10.67	10.24	8.72	4.73	3.45	12.26	11.01	1.41	0.00	8.98	0.00
30.3	67.82	49.74	10.41	6.40	2.11	0.72	12.78	8.63	1.00	0.60	3.23	4.69
30.4	95.43	5.36	11.96	5.80	2.86	0.00	13.96	0.00	0.00	0.00	0.00	0.00
30.5	184.61	14.23	15.14	14.40	4.50	1.53	14.10	10.68	0.36	0.00	3.20	0.00
30.6	54.22	33.47	13.15	17.84	3.10	2.30	9.61	15.92	0.53	0.14	5.07	7.61
30.7	0.79	4.32	2.16	5.17	3.33	2.81	13.01	14.63	0.00	0.00	0.00	0.00
30.8	1.54	0.00	1.55	0.00	2.12	0.76	10.27	11.73	0.00	0.00	0.00	0.00
30.9	5.59	0.00	8.10	0.00	2.06	0.61	6.75	5.30	0.00	0.00	0.00	0.00
31	1.97	0.00	10.20	0.00	0.93	0.00	8.24	0.00	0.00	0.00	0.00	0.00
31.1	4.99	1.67	5.18	3.78	5.57	3.55	15.05	14.81	1.22	0.82	11.64	3.34
31.2	2.42	2.47	5.33	2.90	12.89	10.03	16.02	16.97	0.22	0.78	9.05	6.78
31.3	15.20	30.35	8.98	12.74	9.48	3.81	16.30	13.50	0.50	0.36	3.02	4.53
31.4	22.21	3.56	8.42	6.65	6.63	6.68	16.94	16.62	1.91	0.00	11.22	0.00
31.5	21.40	7.37	7.22	4.79	13.25	15.66	16.94	17.22	0.71	1.29	11.57	7.01
31.6	26.98	4.94	6.50	14.69	6.74	9.09	16.77	14.45	0.53	1.24	19.12	7.14
31.7	19.14	1.47	6.94	12.00	4.88	5.15	16.94	16.92	0.01	0.58	2.64	3.96
31.8	41.72	4.95	12.28	15.83	2.57	1.53	18.69	16.86	0.43	1.11	2.96	7.27
31.9	54.39	5.75	13.61	19.30	1.62	1.60	14.16	14.30	0.00	0.00	0.00	0.00
32	10.28	4.27	14.43	13.72	7.31	6.60	12.36	11.73	0.00	0.00	0.00	0.00
32.1	53.06	10.08	9.67	16.24	1.83	3.49	26.56	33.65	0.21	1.24	12.87	10.53
32.2	42.62	32.05	8.12	7.31	2.25	1.60	17.56	15.56	1.77	0.00	9.73	0.00
32.3	28.56	5.11	5.93	5.33	1.95	0.43	12.51	12.66	3.48	0.69	14.26	12.02
32.4	24.94	21.10	10.07	13.93	2.85	1.95	14.80	6.68	2.46	1.87	13.07	11.11
32.5	11.51	1.96	5.04	3.62	2.47	0.78	6.43	9.96	0.40	0.00	4.73	0.00
32.6	9.82	15.15	9.30	8.30	0.46	0.41	4.99	9.46	0.41	0.00	6.68	0.00
32.7	19.32	1.10	8.07	12.67	0.64	2.64	13.36	10.65	0.14	0.41	3.90	5.85
32.8	21.36	24.72	12.88	8.65	1.12	3.52	17.24	17.48	0.29	1.11	1.90	5.57
32.9	20.19	16.09	13.55	18.17	2.18	3.66	18.58	18.32	1.51	1.69	13.41	22.06
33	20.05	5.26	7.82	17.28	9.07	4.89	16.89	18.60	3.62	1.05	5.37	4.56
33.1	6.81	7.10	10.34	7.55	1.43	1.84	13.35	8.36	0.04	1.25	3.22	15.45
33.2	22.79	18.58	9.97	13.86	4.76	5.90	13.71	13.74	2.54	2.74	15.01	13.31
33.3	83.82	56.86	11.31	12.34	5.66	3.04	14.45	17.47	1.44	0.69	13.60	21.14
33.4	109.22	23.38	12.79	12.11	5.88	1.42	21.04	14.70	0.00	0.00	0.00	0.00
33.5	82.38	5.10	14.55	13.63	10.85	0.60	13.92	6.56	0.93	0.00	12.95	0.00
33.6	62.25	6.42	9.65	8.72	13.33	0.42	17.02	4.68	0.99	0.00	9.81	0.00
33.7	192.85	5.52	13.15	7.19	8.85	1.88	15.80	18.60	0.90	0.00	18.20	0.00
33.8	103.96	6.62	10.17	8.37	6.64	0.43	13.47	4.99	1.20	0.39	5.91	4.30
33.9	15.19	11.31	4.74	4.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	35.90	0.05	8.72	6.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

34.1	46.76	6.57	5.77	9.79	1.17	1.13	7.07	5.31	8.54	4.46	20.50	19.53
34.2	20.18	0.24	4.96	2.81	1.11	3.81	9.77	6.66	21.94	17.74	15.95	16.09
34.3	40.46	0.00	6.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.4	13.43	1.50	7.97	4.43	0.37	0.00	3.10	0.00	0.00	0.00	0.00	0.00
34.5	28.88	3.68	10.23	6.15	6.70	3.85	7.05	5.61	0.00	0.00	0.00	0.00
34.6	23.22	0.42	4.59	3.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.7	63.59	3.56	10.60	6.26	2.50	0.78	15.51	7.77	0.40	0.00	2.81	0.00
34.8	147.83	26.70	11.87	10.30	7.25	5.91	17.23	16.81	1.33	1.89	7.95	20.53
34.9	183.60	54.94	12.73	11.20	11.91	7.52	14.85	17.78	1.88	1.10	15.13	9.02
35	163.31	23.41	12.73	11.66	8.34	1.54	9.58	6.00	1.61	0.34	15.37	9.72
35.1	159.69	19.26	13.78	13.40	7.08	1.92	16.42	7.22	2.06	0.93	8.17	9.51
35.2	246.49	28.37	13.91	7.56	8.33	2.61	18.29	18.32	2.89	0.39	23.77	5.22
35.3	101.02	16.67	8.14	5.21	3.24	1.93	9.50	10.53	0.45	0.00	12.11	0.00
35.4	58.87	0.00	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.5	59.96	1.59	12.16	10.26	2.89	0.00	4.81	0.00	0.34	0.00	6.59	0.00
35.6	112.73	12.69	11.83	9.89	8.40	0.42	9.14	4.80	0.91	0.00	18.49	0.00
35.7	123.73	4.88	13.81	14.14	5.14	0.35	18.98	3.21	1.92	0.54	16.53	4.56
35.8	64.54	7.89	11.95	4.72	5.89	0.00	15.84	0.00	0.88	0.94	4.41	4.74
35.9	110.73	0.00	12.82	0.00	1.40	0.00	5.59	0.00	1.49	0.00	3.16	0.00
36	149.77	1.25	10.96	8.61	6.26	1.52	11.64	6.95	0.84	0.00	5.12	0.00
36.1	262.99	1.21	11.89	3.67	4.23	2.77	16.96	10.21	0.14	0.38	4.63	6.95
36.2	225.42	27.23	12.74	10.56	6.37	6.52	18.04	17.33	2.36	1.08	8.47	6.85
36.3	119.83	2.98	13.86	5.23	4.56	1.93	14.38	7.18	1.31	1.07	9.86	5.64
36.4	138.97	7.15	11.14	11.99	5.92	0.78	13.71	7.39	3.43	0.00	18.90	0.00
36.5	177.63	2.63	11.81	7.64	3.83	0.36	13.77	4.85	1.52	0.00	6.00	0.00
36.6	224.06	1.59	12.14	7.16	3.73	1.10	15.89	21.74	4.38	0.37	13.02	6.00
36.7	197.14	17.49	12.65	10.07	2.40	0.76	20.83	23.83	1.53	0.00	21.12	0.00
36.8	246.20	12.11	12.68	6.00	0.88	0.42	6.93	5.50	0.55	0.00	1.57	0.00
36.9	214.86	7.99	11.88	3.69	0.89	0.28	16.65	6.11	0.49	0.50	9.57	3.42
37	216.13	0.00	10.91	0.00	3.22	1.81	10.97	7.41	0.00	0.00	0.00	0.00
37.1	153.11	20.48	11.08	6.32	3.37	1.43	9.79	13.90	0.47	0.00	3.80	0.00
37.2	186.47	9.99	11.61	5.96	3.19	0.82	12.21	3.98	2.44	0.00	7.52	0.00
37.3	212.52	11.06	13.22	12.12	2.12	0.35	15.26	13.57	0.85	0.00	13.37	0.00
37.4	242.57	2.04	11.29	2.40	2.25	0.42	13.52	3.55	1.28	0.24	3.31	3.78
37.5	240.57	9.62	11.87	9.29	3.36	1.27	10.71	11.01	2.40	0.44	8.85	2.60
37.6	263.20	4.10	12.60	4.91	2.45	0.41	15.23	19.63	1.76	0.47	16.27	5.62
37.7	237.63	0.00	12.49	0.00	4.21	0.00	14.89	0.00	1.04	0.77	6.42	3.44
37.8	164.12	3.56	11.56	7.78	2.30	0.00	10.47	0.00	2.05	0.00	5.07	0.00
37.9	100.51	2.03	9.38	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	20.63	3.25	12.93	8.21	11.29	15.58	7.12	6.70	13.35	12.29	14.23	15.26
38.1	17.53	6.23	5.52	4.02	2.93	0.00	2.47	0.00	4.88	0.00	6.97	0.00
38.2	17.99	2.12	3.39	2.19	16.97	0.00	6.13	0.00	41.34	0.00	10.31	0.00
38.3	42.61	4.12	8.00	3.08	15.38	0.00	6.78	0.00	30.81	0.00	11.02	0.00

38.4	6.91	1.53	6.38	1.75	13.54	8.39	12.82	12.68	0.00	0.00	0.00	0.00
38.5	3.47	0.00	14.72	0.00	26.38	0.00	5.75	0.00	39.32	0.00	10.32	0.00
38.6	6.19	0.00	5.00	0.00	11.34	0.00	3.66	0.00	12.71	0.00	8.85	0.00
38.7	25.42	1.11	5.24	4.31	4.10	3.45	8.19	6.63	0.62	0.90	7.87	6.23
38.8	8.67	0.31	3.49	6.04	4.55	2.67	13.61	13.47	0.00	0.00	0.00	0.00
38.9	69.20	1.99	12.10	6.46	3.81	0.00	10.38	0.00	0.00	0.00	0.00	0.00
39	219.25	7.94	10.29	8.21	2.55	0.78	8.00	5.47	0.88	0.00	6.45	0.00
39.1	165.84	6.45	12.97	7.35	1.58	0.72	21.18	20.63	0.37	0.00	5.05	0.00
39.2	271.38	0.35	12.45	6.75	2.29	1.57	10.30	16.31	1.13	0.00	3.52	0.00
39.3	116.36	6.34	12.82	4.47	3.27	0.00	4.30	0.00	0.00	0.00	0.00	0.00
39.4	174.25	1.53	11.22	14.19	2.06	0.35	3.63	8.62	1.03	0.00	5.01	0.00
39.5	121.34	0.11	11.87	9.57	1.50	0.25	4.20	6.73	1.05	0.00	6.45	0.00
39.6	131.05	2.78	11.22	6.06	2.37	0.36	7.12	10.87	2.00	0.00	4.95	0.00
39.7	175.09	14.75	12.70	11.45	3.77	0.86	17.22	10.01	0.51	0.00	6.47	0.00
39.8	197.24	0.62	11.18	10.50	4.11	2.51	14.56	7.76	2.24	0.23	8.12	4.55
39.9	200.00	40.76	14.55	11.81	12.02	7.46	15.92	12.71	4.71	1.68	14.86	11.84
40	264.67	27.02	15.23	13.43	17.23	16.89	15.27	14.99	5.96	4.20	17.59	15.49
40.1	196.81	23.98	12.96	16.24	11.99	3.20	14.20	13.24	8.91	1.97	12.93	13.33
40.2	157.96	17.63	11.89	10.04	12.11	3.52	11.70	6.83	2.93	0.69	15.11	13.06
40.3	190.46	10.14	12.14	12.14	14.78	2.85	16.86	8.20	0.77	0.00	13.23	0.00
40.4	67.53	0.00	9.56	0.00	7.42	1.08	19.41	20.48	1.39	0.00	16.36	0.00
40.5	37.12	0.60	9.99	4.56	5.73	0.00	4.92	0.00	0.55	0.00	7.59	0.00
40.6	63.63	1.49	8.99	3.79	4.96	1.03	10.32	15.62	0.83	0.00	11.56	0.00
40.7	41.89	6.55	11.01	15.93	7.59	0.00	5.16	0.00	4.29	0.00	9.87	0.00
40.8	55.72	3.70	11.23	11.57	5.66	0.40	5.92	4.94	4.29	0.05	11.67	7.37
40.9	40.31	9.84	10.84	15.35	19.06	0.00	9.82	0.00	5.22	0.05	11.44	2.79
41	36.63	2.50	9.55	4.54	20.12	0.42	12.03	4.63	2.11	0.00	13.23	0.00
41.1	71.14	3.68	6.94	12.08	9.37	0.00	5.62	0.00	5.68	1.08	7.72	6.45
41.2	26.36	0.41	7.05	5.08	13.56	0.00	5.37	0.00	5.37	0.00	10.90	0.00
41.3	47.44	10.94	11.47	6.38	5.05	0.00	5.46	0.00	2.05	0.26	9.25	4.86
41.4	40.21	5.62	6.68	6.10	3.85	0.00	7.59	0.00	3.42	0.01	9.41	5.76
41.5	34.94	0.09	5.22	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.6	24.14	0.17	5.57	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.7	35.75	0.00	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.8	37.22	0.25	7.46	2.88	0.46	0.00	4.04	0.00	0.00	0.00	0.00	0.00
41.9	20.18	7.00	5.19	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	11.27	0.05	4.33	3.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.1	15.52	0.83	5.79	7.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.2	35.43	1.64	4.85	4.73	0.00	0.00	0.00	0.00	0.39	0.00	5.72	0.00
42.3	20.06	0.00	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.4	21.63	0.51	5.95	4.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	32.01	0.00	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.6	66.09	0.00	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

42.7	26.14	0.00	6.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.8	24.49	2.01	5.42	1.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.9	18.31	3.75	7.86	4.66	0.00	0.00	0.00	0.00	0.95	0.16	3.21	4.03
43	45.76	0.00	8.83	0.00	0.00	0.00	0.00	0.00	0.45	0.00	4.48	0.00
43.1	11.19	0.00	4.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.2	7.60	24.20	1.53	7.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.3	16.05	1.99	3.72	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.4	1.89	30.46	2.36	9.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.5	12.26	2.49	9.95	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.6	45.45	0.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.7	31.02	0.00	4.47	0.00	0.00	0.00	0.00	0.00	0.11	0.47	3.92	5.88
43.8	46.46	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.9	37.63	0.00	4.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	22.54	2.76	12.17	5.36	0.49	0.00	3.14	0.00	0.00	0.00	0.00	0.00
44.1	13.97	0.00	5.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.2	17.99	0.00	7.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.3	18.29	0.00	8.23	0.00	0.03	0.42	4.81	7.22	0.12	0.53	6.59	9.88
44.4	13.98	0.00	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.5	3.83	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.6	10.91	0.00	6.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.7	27.74	0.00	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.8	11.45	0.00	11.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.9	29.53	0.00	7.20	0.00	0.51	0.00	2.33	0.00	4.60	0.00	4.38	0.00
45	11.45	0.54	1.98	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.1	44.93	0.00	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.2	42.72	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.3	10.13	0.00	4.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.4	4.03	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.5	21.31	0.07	8.77	5.72	0.00	0.00	0.00	0.00	0.38	0.00	6.25	0.00
45.6	42.01	0.00	7.22	0.00	0.98	0.00	12.21	0.00	0.79	0.00	8.34	0.00
45.7	21.68	0.00	7.07	0.00	0.33	0.00	2.49	0.00	0.00	0.00	0.00	0.00
45.8	10.22	0.00	7.17	0.00	1.41	0.00	4.00	0.00	0.00	0.00	0.00	0.00
45.9	29.91	0.00	13.12	0.00	0.47	0.00	3.32	0.00	0.00	0.00	0.00	0.00
46	12.69	0.00	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.1	21.56	2.05	4.16	3.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.2	46.86	6.05	5.99	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.3	100.07	0.00	7.28	0.00	0.88	0.00	2.34	0.00	0.00	0.00	0.00	0.00
46.4	36.87	0.00	5.09	0.00	0.48	0.00	4.02	0.00	0.00	0.00	0.00	0.00
46.5	34.50	0.00	8.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.6	21.81	2.08	4.32	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.7	29.35	0.13	5.42	10.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.8	36.67	12.72	5.75	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.9	12.96	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

47	14.95	8.17	4.75	4.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.1	61.30	9.83	6.74	5.34	0.57	0.21	3.15	4.72	0.36	0.00	3.92	0.00
47.2	50.59	17.49	6.67	5.03	1.30	0.00	3.96	0.00	0.00	0.00	0.00	0.00
47.3	27.27	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.65	0.43	4.87	6.50
47.4	38.75	0.42	9.28	4.06	0.46	0.00	2.07	0.00	0.23	0.27	5.98	8.97
47.5	53.46	0.54	11.50	12.65	2.60	0.00	6.27	0.00	0.65	0.54	10.91	13.02
47.6	52.26	0.15	10.58	8.77	0.48	0.00	5.48	0.00	0.38	0.00	4.59	0.00
47.7	9.81	0.10	6.78	12.69	0.45	0.00	6.23	0.00	0.00	0.00	0.00	0.00
47.8	5.91	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.35	0.00	4.17	0.00
47.9	37.33	4.83	11.97	19.60	2.03	2.29	10.29	8.11	7.57	6.93	16.46	22.34
48	30.95	0.17	8.93	7.30	3.78	0.00	6.19	0.00	0.88	0.00	9.65	0.00
48.1	12.37	0.00	10.94	0.00	2.90	0.00	9.68	0.00	0.53	0.00	1.94	0.00
48.2	4.36	0.00	6.25	0.00	1.67	0.00	12.65	0.00	0.00	0.00	0.00	0.00
48.3	11.01	0.00	12.41	0.00	3.96	0.00	5.08	0.00	1.21	0.00	4.46	0.00
48.4	16.79	0.00	10.13	0.00	11.38	0.00	11.61	0.00	2.34	0.00	12.06	0.00
48.5	39.14	0.00	8.65	0.00	8.17	0.00	12.51	0.00	4.14	0.00	5.69	0.00
48.6	28.19	0.24	9.71	4.82	9.77	0.00	18.15	0.00	2.77	0.00	30.23	0.00
48.7	27.24	4.62	8.05	7.39	3.00	0.00	4.75	0.00	3.20	0.94	13.86	7.21
48.8	6.56	1.38	7.82	4.89	4.51	0.00	9.17	0.00	1.61	0.00	8.28	0.00
48.9	57.51	0.53	11.03	5.51	8.75	0.00	12.63	0.00	1.61	0.00	21.07	0.00
49	115.59	6.37	10.31	10.12	3.65	0.00	14.56	0.00	0.14	0.95	2.41	8.21
49.1	71.57	5.71	5.00	10.35	1.58	0.00	4.61	0.00	0.00	0.00	0.00	0.00
49.2	72.26	8.06	10.66	9.18	9.35	1.17	17.12	6.67	2.81	0.00	11.94	0.00
49.3	66.84	4.35	6.03	4.59	6.47	0.00	11.26	0.00	0.88	0.00	2.90	0.00
49.4	37.44	10.43	10.55	12.42	9.73	0.00	11.18	0.00	0.84	0.00	9.00	0.00
49.5	40.93	13.25	9.80	8.91	10.15	0.00	11.54	0.00	2.13	0.00	11.61	0.00
49.6	38.84	3.79	5.55	10.40	10.38	0.26	16.03	5.60	3.50	0.00	11.76	0.00
49.7	48.09	0.00	8.85	0.00	6.45	0.26	8.09	4.26	1.46	0.00	13.23	0.00
49.8	37.75	0.11	8.69	5.00	4.60	0.00	10.57	0.00	1.27	0.00	10.54	0.00
49.9	65.51	3.62	7.98	5.66	8.86	0.00	6.18	0.00	0.81	0.00	7.61	0.00
50	56.74	21.45	9.04	12.22	6.68	0.35	17.64	4.77	1.33	0.46	8.66	8.03
50.1	31.14	9.97	10.43	10.38	9.26	0.27	16.72	5.66	1.82	0.00	10.33	0.00
50.2	80.69	0.00	8.73	0.00	7.21	0.00	11.23	0.00	3.03	0.00	15.59	0.00
50.3	38.10	1.91	7.89	3.97	5.33	0.00	6.08	0.00	0.98	0.00	20.73	0.00
50.4	41.93	1.82	7.38	3.23	14.07	0.29	14.61	6.24	1.77	0.00	15.22	0.00
50.5	33.71	0.00	9.86	0.00	10.49	0.00	20.45	0.00	0.90	0.00	9.77	0.00
50.6	49.37	8.48	8.20	7.43	8.05	0.47	10.10	7.22	2.65	1.50	18.77	11.77
50.7	63.38	4.20	10.08	7.01	10.16	0.26	10.49	6.05	0.00	0.00	0.00	0.00
50.8	68.49	0.00	9.68	0.00	12.75	0.26	23.28	6.53	1.36	0.00	7.68	0.00
50.9	49.12	1.03	9.26	6.74	14.58	0.25	17.39	6.18	3.55	0.61	28.71	24.64
51	15.70	0.49	11.11	3.06	10.32	0.00	7.41	0.00	0.54	0.05	1.67	2.51
51.1	34.48	0.00	10.74	0.00	6.22	0.74	13.25	9.75	1.64	0.00	9.83	0.00
51.2	62.04	2.04	11.05	12.41	7.04	0.24	10.28	6.73	3.04	0.22	13.90	8.72

51.3	25.50	1.12	9.64	4.87	8.96	0.00	11.86	0.00	1.56	0.25	25.01	17.59
51.4	20.03	0.51	9.43	3.15	11.21	1.64	11.35	7.66	2.32	0.77	23.48	11.37
51.5	34.17	0.00	8.33	0.00	12.89	1.99	19.34	9.47	0.55	0.22	8.67	5.07
51.6	34.71	0.11	7.96	3.84	12.77	2.52	17.30	11.09	2.15	0.00	8.61	0.00
51.7	53.30	0.00	9.86	0.00	10.16	1.53	13.19	8.47	0.14	0.26	11.86	17.80
51.8	42.85	2.38	8.85	4.32	11.64	0.88	20.05	9.11	0.52	0.00	8.91	0.00
51.9	43.59	0.44	8.94	7.82	12.44	1.99	18.03	8.83	1.94	0.00	27.65	0.00
52	52.89	3.47	9.84	6.91	11.47	1.74	10.38	7.77	1.37	0.80	19.22	12.48
52.1	36.83	8.76	7.36	4.39	9.41	1.07	19.94	11.93	5.07	0.73	20.69	16.57
52.2	75.00	0.42	10.48	6.81	21.34	2.72	11.49	8.65	2.45	0.89	16.01	10.91
52.3	50.36	0.52	8.33	2.64	16.99	2.82	19.97	8.61	3.10	0.37	20.78	6.90
52.4	42.41	0.09	10.07	7.14	18.26	2.94	13.14	10.67	0.77	0.49	14.40	11.39
52.5	47.29	0.24	11.24	4.35	18.45	1.73	17.10	7.87	1.04	0.27	20.55	5.13
52.6	39.18	8.74	8.20	4.11	11.99	1.03	15.70	12.46	1.19	0.33	17.61	21.55
52.7	32.41	0.14	6.92	3.75	13.57	1.69	12.46	6.98	2.49	0.87	12.38	13.99
52.8	46.13	1.91	8.02	8.83	13.62	0.95	9.90	5.16	2.98	0.00	16.93	0.00
52.9	45.73	0.66	5.65	4.19	13.28	0.57	17.80	5.31	0.96	0.31	18.44	15.67
53	25.38	0.00	7.03	0.00	11.41	1.10	13.56	5.73	1.86	0.00	17.05	0.00
53.1	79.40	8.29	10.85	10.99	13.71	1.37	9.89	6.60	1.97	0.29	11.33	11.79
53.2	34.96	45.62	9.64	8.95	11.17	0.97	10.20	7.08	1.60	0.33	20.31	10.49
53.3	55.46	14.75	8.14	6.87	11.43	0.58	11.15	8.29	0.45	0.00	4.40	0.00
53.4	30.81	21.61	9.21	5.15	17.81	1.43	17.68	8.35	2.48	0.55	20.75	18.93
53.5	76.12	0.25	9.55	2.67	24.60	2.96	16.44	8.42	1.18	1.80	8.21	12.32
53.6	35.33	1.01	10.88	3.03	21.42	3.18	20.13	10.53	0.99	0.95	11.04	7.80
53.7	43.42	0.00	8.46	0.00	11.69	1.12	12.07	8.55	0.38	0.74	6.45	9.67
53.8	77.44	0.04	9.24	4.61	14.67	1.57	21.75	10.64	4.56	0.00	8.53	0.00
53.9	44.28	1.02	7.77	4.14	14.46	0.54	16.98	7.58	0.60	0.00	4.31	0.00
54	64.06	2.70	9.87	5.38	12.39	0.37	19.70	10.24	2.47	0.27	18.46	9.94
54.1	62.84	2.00	8.83	3.46	16.13	1.62	15.83	7.82	1.97	0.00	14.18	0.00
54.2	28.15	4.65	9.32	12.45	31.38	1.10	20.42	11.44	1.66	0.58	17.96	8.48
54.3	55.57	3.55	10.07	6.07	11.80	1.04	23.35	13.21	3.83	1.14	19.77	14.92
54.4	41.02	0.95	8.73	5.32	15.27	1.67	24.58	11.15	4.60	0.31	18.53	18.52
54.5	34.67	0.04	9.28	5.83	13.46	1.24	13.77	6.47	2.16	0.28	24.27	9.56
54.6	37.39	3.76	9.52	3.02	13.09	0.76	18.38	9.77	1.94	0.87	12.65	8.88
54.7	30.98	0.00	10.22	0.00	15.63	2.08	18.96	19.10	0.90	0.00	10.83	0.00
54.8	21.76	0.00	7.44	0.00	19.54	0.54	18.98	8.95	3.68	0.25	19.14	11.14
54.9	18.67	0.00	10.46	0.00	16.03	1.91	17.85	10.01	1.33	0.73	20.59	17.22
55	13.45	0.00	5.49	0.00	12.39	0.99	23.85	10.95	1.91	0.50	21.51	18.31
55.1	34.30	3.38	8.46	2.97	11.17	1.68	15.10	7.66	1.23	0.27	14.77	5.20
55.2	17.44	1.12	8.55	3.74	14.90	2.17	10.85	7.70	1.33	0.46	26.51	17.19
55.3	36.10	4.59	8.35	2.19	10.00	1.56	22.06	14.77	2.25	0.21	19.66	10.85
55.4	81.76	56.24	12.31	16.51	14.60	8.31	17.09	17.51	10.11	7.45	15.50	17.50
55.5	111.56	137.95	14.85	18.71	12.97	22.61	17.60	17.46	22.22	34.10	18.79	19.09

55.6	69.36	67.18	15.27	16.36	7.43	6.23	12.47	19.09	10.26	10.30	16.46	15.62
55.7	14.54	3.96	6.48	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.8	50.12	2.94	5.48	3.41	0.41	0.00	6.98	0.00	0.38	0.00	4.15	0.00
55.9	18.88	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	7.03	4.01	4.45	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.1	2.95	0.00	6.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.2	19.67	2.35	7.78	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.3	87.63	2.23	12.05	6.27	1.37	0.00	6.15	0.00	2.96	0.00	11.39	0.00
56.4	45.55	0.00	10.65	0.00	0.00	0.00	0.00	0.00	1.47	0.00	9.33	0.00
56.5	29.00	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.6	13.37	0.00	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.7	4.46	0.00	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.8	7.07	1.46	6.45	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.9	24.55	0.00	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	54.59	0.08	8.69	4.26	0.00	0.00	0.00	0.00	0.37	0.00	7.34	0.00
57.1	4.44	0.00	3.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.2	26.41	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.08	0.44	17.30	25.96
57.3	7.65	0.00	4.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.4	1.01	0.00	5.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	7.84	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.6	9.81	0.00	3.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.7	7.06	0.10	7.86	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.8	3.02	0.00	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.9	2.45	1.54	2.50	1.28	0.00	0.00	0.00	0.00	0.61	0.00	1.60	0.00
58	12.11	0.00	5.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.1	3.65	0.42	6.43	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.2	5.45	0.13	5.63	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.3	1.50	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.4	1.66	0.00	5.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.5	1.78	2.24	2.86	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.6	5.10	1.00	5.42	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.7	4.79	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.8	11.88	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.9	12.65	4.31	5.31	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	41.75	0.00	8.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.1	40.50	0.00	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.2	170.16	0.67	12.23	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.3	149.94	0.00	10.82	0.00	0.46	0.00	3.32	0.00	0.00	0.00	0.00	0.00
59.4	268.28	0.00	12.95	0.00	2.09	1.05	11.04	4.86	0.00	0.00	0.00	0.00
59.5	198.92	0.00	12.35	0.00	0.25	0.69	5.23	7.84	0.00	0.00	0.00	0.00
59.6	136.58	0.00	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.7	4.26	50.42	8.32	5.69	0.55	0.41	6.01	9.02	0.00	0.00	0.00	0.00
59.8	62.46	1.20	8.61	13.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

59.9	66.86	0.00	12.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	104.44	18.69	8.41	4.77	0.48	0.00	3.18	0.00	0.00	0.00	0.00	0.00
60.1	170.17	7.21	12.12	19.46	2.38	0.36	8.54	13.37	0.50	0.00	7.05	0.00
60.2	163.03	3.03	11.93	12.26	0.00	0.00	0.00	0.00	0.55	0.28	6.23	6.40
60.3	24.75	0.00	10.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.4	34.80	1.50	9.90	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.5	16.29	0.47	2.68	3.66	0.47	0.00	3.25	0.00	0.00	0.00	0.00	0.00
60.6	23.21	9.64	5.08	14.13	0.19	1.10	5.32	14.51	0.00	0.00	0.00	0.00
60.7	1.02	6.04	4.11	4.49	0.07	0.42	12.83	19.24	0.00	0.00	0.00	0.00
60.8	9.58	0.00	2.41	0.00	0.23	1.50	13.12	9.15	0.00	0.00	0.00	0.00
60.9	28.28	1.97	4.45	3.89	0.48	0.37	3.58	9.97	0.00	0.00	0.00	0.00
61	75.36	0.15	12.26	20.73	1.50	0.00	7.93	0.00	1.94	3.34	10.77	16.26
61.1	34.76	3.05	6.35	6.10	0.14	0.83	17.13	25.70	0.00	0.00	0.00	0.00
61.2	83.78	0.20	10.99	2.42	0.96	0.00	5.45	0.00	0.00	0.00	0.00	0.00
61.3	2.79	0.14	4.44	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.4	4.84	1.22	7.39	5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.5	3.51	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.6	7.99	2.03	4.91	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.7	5.30	1.55	7.23	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.8	2.41	0.00	5.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.9	13.56	0.00	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	3.99	1.01	6.11	1.39	0.00	0.00	0.00	0.00	0.08	0.45	2.66	3.99
62.1	1.99	23.98	6.77	9.88	2.89	0.33	9.60	6.47	0.52	0.00	4.41	0.00
62.2	3.00	4.49	9.33	21.36	0.63	1.13	6.26	8.85	0.66	0.41	4.35	8.91
62.3	0.43	10.08	4.51	7.82	1.77	0.00	5.37	0.00	0.00	0.50	0.00	10.85
62.4	4.32	5.00	5.30	18.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.49	3.97	3.77	11.36	0.49	0.00	4.46	0.00	0.67	0.25	2.60	3.90
62.6	17.86	7.54	6.18	5.58	2.38	0.00	3.36	0.00	0.52	0.00	3.13	0.00
62.7	13.65	3.28	8.14	6.25	0.90	0.00	5.08	0.00	0.00	0.00	0.00	0.00
62.8	15.48	0.00	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.9	45.00	0.05	9.71	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	4.52	1.02	5.61	1.75	0.51	0.00	2.72	0.00	0.00	0.00	0.00	0.00
63.1	4.70	1.53	6.51	3.66	0.68	0.00	2.29	0.00	0.00	0.00	0.00	0.00
63.2	19.54	0.00	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.3	4.85	0.00	5.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.4	10.45	0.00	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.5	22.65	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.6	23.76	17.24	11.51	13.42	2.10	1.19	11.71	7.16	0.75	0.74	7.59	11.39
63.7	28.27	22.17	12.48	12.20	2.48	0.36	8.49	7.81	0.08	0.47	4.36	6.54
63.8	3.26	32.28	11.15	13.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.9	14.07	6.31	12.84	6.43	0.43	0.00	6.72	0.00	0.00	0.00	0.00	0.00
64	14.70	3.95	5.70	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.1	44.94	8.96	10.62	4.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

64.2	54.16	5.82	10.01	7.13	0.46	0.00	3.24	0.00	0.00	0.00	0.00	0.00
64.3	27.18	1.36	15.59	7.54	0.86	0.00	2.94	0.00	1.03	0.00	4.53	0.00
64.4	21.48	26.31	10.62	6.88	3.00	0.82	10.08	5.61	0.67	0.85	4.73	5.95
64.5	43.81	61.68	14.12	7.19	7.04	1.37	9.06	7.58	0.52	0.00	4.68	0.00
64.6	48.83	23.99	11.63	10.21	5.51	6.81	16.27	16.56	1.06	1.37	16.88	15.76
64.7	23.49	4.55	9.23	14.80	10.70	14.66	16.94	15.76	1.77	1.86	3.72	12.83
64.8	82.27	75.70	15.65	17.85	18.54	15.29	18.36	19.25	0.63	0.39	4.34	4.31
64.9	71.79	89.20	8.64	15.13	17.35	17.82	16.68	15.40	2.04	6.91	13.19	14.46
65	36.45	84.00	15.61	19.60	12.72	13.01	18.53	17.56	1.30	0.76	5.90	8.75
65.1	16.54	136.90	10.96	14.82	5.39	5.41	17.37	18.10	0.00	0.00	0.00	0.00
65.2	79.06	55.45	14.33	16.79	8.01	6.60	15.38	15.69	0.00	2.20	0.00	13.93
65.3	40.75	63.05	14.93	14.51	2.06	0.75	9.23	6.50	1.10	0.38	11.21	4.81
65.4	49.42	70.76	11.59	12.24	2.67	1.53	18.43	20.25	0.47	0.00	6.88	0.00
65.5	19.13	22.05	10.76	16.56	2.33	0.80	12.05	10.42	0.46	0.00	5.49	0.00
65.6	10.12	4.03	8.51	11.55	3.81	1.12	11.09	9.74	0.00	0.00	0.00	0.00
65.7	29.78	13.10	13.70	13.59	1.71	0.00	4.65	0.00	0.41	0.71	5.79	8.69
65.8	13.06	1.04	9.94	3.86	3.03	0.00	4.18	0.00	0.95	0.00	10.86	0.00
65.9	18.79	11.38	5.72	14.14	0.85	0.00	10.32	0.00	0.00	0.00	0.00	0.00
66	38.01	6.45	9.13	8.03	0.60	0.81	4.98	7.48	0.00	0.00	0.00	0.00
66.1	22.78	78.69	7.04	7.24	0.48	0.38	2.78	9.26	0.00	0.00	0.00	0.00
66.2	53.37	25.05	10.31	7.91	1.34	0.43	10.80	9.33	0.00	0.96	0.00	13.21
66.3	42.12	1.03	11.52	5.06	6.91	5.48	16.86	17.49	0.00	0.58	0.00	12.76
66.4	137.21	1.35	10.70	9.44	8.52	6.10	18.21	16.59	0.47	0.45	14.76	6.91
66.5	142.39	0.98	9.40	4.46	5.60	3.84	20.46	19.23	0.52	0.00	3.02	0.00
66.6	42.71	9.14	12.28	7.69	3.62	0.69	8.65	8.82	0.00	0.00	0.00	0.00
66.7	96.33	12.82	13.59	11.23	1.96	1.45	4.17	6.09	0.00	0.00	0.00	0.00
66.8	117.01	32.37	12.68	6.33	3.11	1.50	17.33	16.86	0.00	0.00	0.00	0.00
66.9	91.60	14.72	18.17	20.45	3.01	3.47	26.43	24.01	0.17	1.40	3.64	15.99
67	96.93	5.65	8.29	10.42	4.49	3.98	15.11	14.49	0.00	0.00	0.00	0.00
67.1	64.28	6.80	10.54	10.55	2.74	3.09	20.43	20.17	0.00	0.00	0.00	0.00
67.2	122.64	5.98	11.68	5.48	5.14	3.29	16.34	14.43	0.00	0.00	0.00	0.00
67.3	174.73	26.97	15.64	14.79	1.54	0.78	6.70	4.38	0.00	0.00	0.00	0.00
67.4	79.72	0.00	10.27	0.00	2.03	1.59	14.85	11.47	1.02	0.00	3.31	0.00
67.5	44.11	6.20	8.52	12.46	1.05	0.43	7.70	4.06	0.00	0.00	0.00	0.00
67.6	90.87	8.78	10.50	6.91	0.91	0.00	3.12	0.00	0.00	0.00	0.00	0.00
67.7	106.02	6.99	9.47	6.26	1.50	0.42	12.10	6.79	0.43	0.00	3.22	0.00
67.8	109.35	0.00	10.47	0.00	0.62	0.82	11.83	13.04	0.45	0.00	3.67	0.00
67.9	109.86	9.63	13.84	12.41	0.90	0.41	4.42	7.16	0.45	0.00	5.98	0.00
68	172.19	3.17	9.09	4.77	1.32	1.61	13.16	12.32	0.88	0.00	6.94	0.00
68.1	107.12	6.46	13.19	10.85	1.52	0.34	8.95	11.40	0.00	0.00	0.00	0.00
68.2	162.87	9.82	13.71	12.48	1.95	1.79	10.80	6.38	0.34	0.00	3.95	0.00
68.3	160.11	1.55	11.68	2.67	0.93	0.00	9.13	0.00	0.99	0.32	10.46	7.63
68.4	81.44	10.76	15.30	10.83	1.88	0.00	13.81	0.00	0.16	0.33	3.52	5.29

68.5	53.29	3.64	7.99	9.22	1.43	0.00	3.57	0.00	0.00	0.00	0.00	0.00
68.6	79.78	0.00	10.77	0.00	0.46	0.00	2.69	0.00	0.00	0.00	0.00	0.00
68.7	34.12	1.02	9.27	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.8	63.49	24.99	10.77	7.07	0.13	0.36	5.22	7.83	0.06	0.97	4.33	6.49
68.9	13.60	0.00	8.13	0.00	31.89	5.20	8.85	4.68	31.83	2.80	13.97	5.74
69	15.48	0.14	14.16	1.58	100.75	19.32	8.62	4.37	117.33	15.91	13.43	6.73
69.1	74.94	6.37	11.31	11.42	24.93	4.62	16.36	16.95	28.52	1.86	8.49	21.26
69.2	52.03	5.72	14.73	14.89	22.14	2.57	13.03	16.79	47.68	0.84	8.22	4.55
69.3	11.21	8.97	11.02	13.64	77.09	0.00	5.48	0.00	82.90	0.00	7.83	0.00
69.4	48.61	21.26	11.26	15.87	36.47	3.58	14.55	17.02	41.81	0.40	12.38	15.84
69.5	13.06	0.43	6.68	2.96	89.11	13.18	9.20	4.23	92.49	4.97	14.44	5.87
69.6	105.34	12.03	10.32	3.96	1.70	1.09	9.45	8.79	0.00	0.00	0.00	0.00
69.7	17.57	1.54	8.48	3.61	31.97	0.75	6.15	3.85	22.57	1.87	13.06	4.34
69.8	20.00	1.46	10.88	5.34	102.88	2.70	9.50	3.93	171.83	0.72	17.58	9.21
69.9	58.48	27.15	14.24	16.05	43.30	0.62	9.50	8.73	47.65	0.63	12.99	10.46
70	15.61	6.16	9.79	12.27	40.75	1.24	9.02	5.00	69.05	0.00	11.04	0.00
70.1	30.80	0.38	9.40	4.22	51.42	0.62	11.38	4.09	89.23	0.00	10.82	0.00
70.2	74.42	0.16	10.87	24.98	3.01	1.04	6.49	4.12	2.80	0.00	9.03	0.00
70.3	38.68	0.00	8.48	0.00	13.95	0.30	12.56	6.81	13.79	0.00	8.53	0.00
70.4	53.74	0.87	10.79	7.49	2.35	0.00	6.61	0.00	0.08	0.41	3.46	5.19
70.5	68.82	0.00	8.71	0.00	3.30	2.16	12.00	8.42	0.42	0.00	10.47	0.00
70.6	78.09	0.95	10.54	5.99	3.66	1.15	11.01	8.72	0.53	0.00	10.29	0.00
70.7	82.08	6.73	10.11	8.66	2.12	0.73	16.60	10.81	0.56	0.00	7.06	0.00
70.8	71.78	0.00	10.76	0.00	1.86	0.00	7.22	0.00	0.00	0.00	0.00	0.00
70.9	97.79	0.00	11.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	71.32	0.00	10.35	0.00	0.45	0.00	2.23	0.00	0.00	0.00	0.00	0.00
71.1	103.55	2.70	10.84	17.37	1.32	0.00	6.97	0.00	0.00	0.00	0.00	0.00
71.2	122.18	4.82	10.48	8.91	1.41	0.00	4.42	0.00	1.01	0.00	11.51	0.00
71.3	111.00	0.00	11.27	0.00	3.79	0.27	7.18	5.48	2.39	0.00	9.39	0.00
71.4	85.46	0.00	9.55	0.00	3.55	1.13	5.53	7.40	0.54	0.00	6.02	0.00
71.5	132.87	7.93	13.87	13.88	9.12	5.43	17.85	18.44	0.00	0.00	0.00	0.00
71.6	142.66	39.37	12.45	14.33	7.98	1.43	9.17	12.00	0.50	0.95	3.35	11.00
71.7	159.58	0.10	11.21	9.76	9.79	1.65	12.64	7.69	0.08	0.45	6.15	9.22
71.8	129.90	0.00	10.83	0.00	5.31	0.32	7.16	6.20	0.00	0.00	0.00	0.00
71.9	147.88	2.65	13.70	9.63	5.70	1.36	6.40	10.53	0.50	0.00	4.24	0.00
72	81.42	17.57	7.23	8.39	6.22	0.60	8.74	8.42	0.49	0.00	2.91	0.00
72.1	75.28	24.88	5.51	8.50	3.17	0.00	5.88	0.00	1.04	0.00	9.88	0.00
72.2	160.05	2.41	10.83	10.16	6.63	2.28	14.68	14.42	0.00	0.35	0.00	7.53
72.3	168.36	0.05	9.05	13.53	3.21	0.00	5.22	0.00	1.04	0.00	2.95	0.00
72.4	130.26	0.65	11.27	9.64	3.83	0.41	7.49	4.35	0.55	0.00	4.84	0.00
72.5	176.47	0.05	9.54	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.6	185.87	7.00	13.74	19.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.7	133.96	1.37	15.62	8.42	0.99	0.00	3.89	0.00	0.00	0.00	0.00	0.00

72.8	88.45	24.99	8.93	8.31	4.81	0.36	6.16	12.16	0.50	0.00	4.64	0.00
72.9	176.40	14.16	10.58	7.85	3.23	1.08	8.48	11.38	1.35	0.37	4.28	3.74
73	195.35	14.64	15.69	14.34	4.10	1.09	4.85	5.88	1.36	1.06	12.96	24.30
73.1	149.71	2.62	11.24	16.65	5.40	2.67	20.33	16.56	1.01	0.00	8.43	0.00
73.2	154.92	10.83	10.36	9.75	4.57	0.20	10.92	7.06	2.33	0.00	7.26	0.00
73.3	137.12	39.65	9.79	12.61	5.93	0.96	11.41	9.23	0.74	0.85	16.86	12.65
73.4	229.03	3.78	11.39	6.86	5.37	0.64	13.07	15.91	0.53	0.00	3.82	0.00
73.5	163.67	0.00	10.21	0.00	6.95	1.49	12.97	4.54	0.00	0.00	0.00	0.00
73.6	202.29	0.00	10.50	0.00	6.23	1.21	14.21	17.16	0.00	0.00	0.00	0.00
73.7	144.25	2.56	10.18	3.94	4.69	0.00	6.09	0.00	0.96	0.00	6.44	0.00
73.8	146.08	11.83	10.01	9.12	2.29	0.00	4.29	0.00	0.97	0.00	4.59	0.00
73.9	99.43	37.02	11.86	9.18	4.02	0.37	8.03	7.32	0.34	0.00	3.32	0.00
74	71.99	3.21	8.34	5.33	1.67	0.00	11.35	0.00	0.51	0.00	3.20	0.00
74.1	58.79	18.92	11.99	9.75	6.58	0.00	12.52	0.00	0.32	0.00	2.84	0.00
74.2	40.77	15.48	13.37	7.05	4.39	0.00	7.81	0.00	1.61	0.65	5.77	5.45
74.3	61.05	26.06	11.93	12.58	8.93	0.79	13.74	8.30	0.00	0.00	0.00	0.00
74.4	167.63	19.34	13.17	15.62	12.11	0.36	16.12	12.11	2.06	0.26	8.95	4.42
74.5	167.55	0.00	10.84	0.00	6.44	0.36	9.01	6.39	0.00	0.00	0.00	0.00
74.6	110.00	3.59	13.50	20.26	4.85	0.42	16.08	8.66	0.88	0.00	13.17	0.00
74.7	110.17	20.97	13.25	14.09	5.23	0.00	3.48	0.00	2.15	0.67	14.02	15.80
74.8	69.77	44.88	7.21	5.60	6.18	0.00	13.39	0.00	0.44	0.00	8.27	0.00
74.9	104.77	11.41	13.45	15.27	11.77	9.22	15.12	14.64	0.08	0.51	3.48	5.21
75	121.81	28.86	12.45	11.45	7.41	6.99	15.79	15.11	0.00	0.00	0.00	0.00
75.1	72.54	72.79	14.17	15.28	5.61	3.07	18.44	17.72	1.48	0.02	5.87	4.55
75.2	144.79	0.52	9.73	11.51	6.59	3.63	14.45	16.91	0.52	0.00	7.53	0.00
75.3	84.58	0.00	12.17	0.00	5.38	0.36	5.20	6.06	0.00	0.00	0.00	0.00
75.4	85.40	4.46	6.89	10.83	6.15	0.72	6.84	8.23	0.44	0.00	7.08	0.00
75.5	191.03	0.00	8.35	0.00	5.39	1.16	7.88	11.22	0.00	0.00	0.00	0.00
75.6	116.91	49.21	15.08	16.32	5.00	1.04	17.24	25.53	0.47	0.46	10.36	10.04
75.7	178.18	15.75	14.43	11.78	5.91	2.86	16.56	16.07	1.06	0.39	16.05	7.90
75.8	181.04	3.92	10.29	6.64	2.78	1.07	6.88	8.14	0.45	0.00	7.69	0.00
75.9	63.25	7.51	16.12	4.89	3.09	0.00	7.06	0.00	0.49	0.00	4.07	0.00
76	126.73	1.04	8.31	11.16	1.48	0.72	7.19	5.06	0.00	0.00	0.00	0.00
76.1	173.69	6.26	14.35	14.38	0.93	0.41	16.72	5.07	0.00	0.00	0.00	0.00
76.2	136.90	0.67	9.91	10.87	2.26	0.00	7.80	0.00	1.39	0.38	11.34	3.52
76.3	65.53	40.99	18.76	13.88	0.48	0.00	3.07	0.00	0.01	0.49	2.95	4.43
76.4	149.27	15.51	9.12	5.69	0.50	0.00	5.01	0.00	1.08	0.00	5.42	0.00
76.5	68.37	12.63	8.90	12.74	1.90	0.00	6.57	0.00	0.55	0.00	3.32	0.00
76.6	148.32	4.14	9.84	10.32	2.38	0.35	6.12	4.26	0.00	0.00	0.00	0.00
76.7	101.61	3.01	10.94	9.39	1.48	0.00	6.11	0.00	0.00	0.00	0.00	0.00
76.8	88.54	1.22	11.08	9.27	0.45	0.00	7.63	0.00	0.00	0.00	0.00	0.00
76.9	149.09	0.54	9.05	4.05	5.75	3.63	22.31	21.40	0.46	0.00	5.99	0.00
77	171.71	0.00	8.80	0.00	1.44	0.35	10.90	7.25	0.00	0.00	0.00	0.00

77.1	136.11	8.65	13.43	12.78	0.46	0.00	2.96	0.00	0.14	0.33	5.37	8.06
77.2	95.56	0.00	16.26	0.00	0.24	0.63	3.45	5.17	0.54	0.00	2.38	0.00
77.3	26.39	1.51	12.13	9.13	1.02	0.28	3.56	4.45	0.00	0.00	0.00	0.00
77.4	89.73	0.06	10.13	11.89	1.40	0.00	4.89	0.00	0.54	0.00	4.30	0.00
77.5	53.71	0.07	9.39	7.60	2.54	0.67	5.92	7.85	0.00	0.00	0.00	0.00
77.6	100.38	0.00	10.34	0.00	0.51	0.00	3.38	0.00	1.17	0.91	9.75	8.95
77.7	135.93	0.00	9.17	0.00	0.47	0.00	3.17	0.00	0.00	0.00	0.00	0.00
77.8	129.60	2.08	10.09	8.78	1.10	0.00	3.65	0.00	0.00	0.00	0.00	0.00
77.9	85.91	0.00	8.50	0.00	0.36	1.03	3.81	5.71	0.65	0.46	7.69	11.64
78	82.67	1.55	10.29	7.43	0.36	0.00	8.14	0.00	0.64	0.00	2.78	0.00
78.1	137.23	0.00	10.67	0.00	0.46	0.00	7.13	0.00	0.00	0.00	0.00	0.00
78.2	107.41	0.00	9.59	0.00	1.07	0.24	3.11	5.29	0.00	0.00	0.00	0.00
78.3	57.65	0.00	8.56	0.00	1.38	0.36	3.94	4.34	0.00	0.00	0.00	0.00
78.4	44.35	0.00	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.5	81.49	17.76	7.59	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.6	72.28	24.81	7.78	9.15	1.50	0.36	3.01	4.60	0.00	0.00	0.00	0.00
78.7	34.22	33.36	15.66	5.48	7.66	3.04	17.72	14.55	0.51	0.00	9.55	0.00
78.8	30.89	83.39	10.85	6.33	25.19	17.34	17.39	18.73	1.42	2.41	18.65	10.18
78.9	123.89	50.20	13.82	11.18	10.88	8.47	13.96	13.44	0.65	0.87	2.90	2.54
79	50.04	19.72	12.40	5.13	13.66	8.49	14.54	15.01	1.22	1.84	7.64	3.32
79.1	108.32	35.09	9.33	13.03	4.60	2.52	9.99	6.68	0.00	0.42	0.00	4.88
79.2	22.88	96.08	7.30	6.41	5.03	3.84	9.23	6.27	0.09	0.29	3.93	5.89
79.3	33.10	15.77	9.87	5.39	7.41	7.49	16.90	17.05	0.30	1.86	7.76	5.46
79.4	46.69	9.30	12.01	4.97	6.41	4.36	16.98	19.46	0.47	0.74	2.01	6.04
79.5	52.67	4.51	8.20	6.20	10.98	11.34	19.39	18.36	2.42	3.31	16.28	15.78
79.6	19.46	4.17	7.47	7.33	3.11	3.12	14.59	14.66	0.10	1.43	4.42	7.34
79.7	20.17	2.29	12.02	13.91	2.68	3.78	15.71	13.53	0.00	0.00	0.00	0.00
79.8	69.79	8.56	9.97	5.92	4.37	4.30	18.31	16.81	0.00	0.00	0.00	0.00
79.9	72.23	1.54	4.08	10.35	1.17	0.74	3.66	9.76	0.91	0.00	8.93	0.00
80	97.29	22.62	18.48	18.59	19.30	17.55	18.32	18.72	19.52	13.21	23.98	23.16
80.1	35.39	9.20	12.93	13.97	0.65	0.61	11.74	17.61	3.49	0.45	14.80	13.73
80.2	109.73	6.65	13.66	22.29	15.10	17.66	19.54	19.03	2.14	1.43	15.42	21.24
80.3	103.57	9.10	11.77	6.57	8.95	12.41	16.17	16.88	2.35	3.13	7.95	17.15
80.4	35.34	16.62	14.00	9.68	1.46	0.61	14.47	11.46	11.68	1.73	22.99	32.99
80.5	10.43	21.29	13.82	8.77	16.16	19.44	17.09	16.48	0.41	0.45	6.13	9.89
80.6	63.01	2.54	7.88	10.83	8.23	12.31	18.35	18.05	0.00	0.00	0.00	0.00
80.7	55.86	26.43	11.15	12.19	8.81	6.15	16.47	16.39	1.53	0.53	11.57	22.48
80.8	17.69	21.63	8.18	11.20	4.39	2.30	10.95	7.92	0.00	0.35	0.00	9.07
80.9	8.26	3.20	3.54	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	20.00	10.24	10.40	11.88	5.07	3.14	17.60	21.34	0.00	0.00	0.00	0.00
81.1	50.38	6.83	8.30	13.46	9.52	4.20	19.79	21.40	2.02	3.19	8.77	6.57
81.2	19.36	21.04	10.44	12.28	10.88	1.56	17.14	7.97	1.45	1.83	11.12	13.65
81.3	67.59	49.56	9.53	7.20	10.60	0.58	15.45	5.14	0.00	1.47	0.00	5.21

81.4	35.90	30.31	11.03	8.69	6.38	3.94	16.67	18.06	2.03	1.05	7.65	6.41
81.5	108.90	15.17	12.01	11.26	4.79	2.68	14.33	16.08	0.48	0.00	8.39	0.00
81.6	131.57	11.07	11.41	9.68	6.92	2.69	10.08	9.23	1.06	0.00	4.44	0.00
81.7	44.55	22.06	10.10	8.66	7.57	4.77	11.52	11.29	0.09	1.58	6.54	15.25
81.8	53.13	83.00	12.74	14.76	9.37	1.95	16.14	17.47	2.00	0.57	18.33	7.61
81.9	78.12	27.32	12.51	7.95	3.70	1.98	14.44	14.66	0.76	1.85	13.86	10.51
82	16.23	12.47	7.72	10.44	6.40	3.45	12.64	10.93	0.00	0.00	0.00	0.00
82.1	27.04	3.36	10.04	4.95	7.21	0.33	8.13	4.43	0.00	0.43	0.00	3.25
82.2	29.28	37.00	8.47	12.30	4.73	1.92	12.51	9.22	0.08	0.43	6.11	9.16
82.3	72.74	11.37	7.34	13.61	3.66	2.60	11.19	9.33	0.79	0.72	5.05	7.58
82.4	46.74	20.25	6.60	13.91	2.71	0.99	10.76	7.38	1.24	0.38	5.73	4.77
82.5	48.24	20.16	9.29	8.28	5.30	3.89	10.62	7.60	0.55	0.37	5.15	11.98
82.6	123.20	1.74	12.56	8.17	9.81	6.84	15.50	17.10	0.00	0.00	0.00	0.00
82.7	73.86	61.84	12.64	11.75	6.83	4.10	14.68	14.28	0.00	0.56	0.00	6.19
82.8	111.29	18.97	8.87	8.33	6.26	1.95	10.89	6.35	0.43	0.73	6.57	8.57
82.9	89.43	13.43	12.53	10.58	6.34	4.86	16.26	18.64	0.00	0.00	0.00	0.00
83	107.58	6.73	13.20	15.59	5.23	5.56	15.66	12.70	0.15	0.41	2.62	3.93
83.1	98.11	4.57	12.35	5.75	4.42	1.44	17.48	10.60	1.03	0.90	15.02	6.38
83.2	41.11	18.11	9.24	11.24	7.38	0.39	7.56	7.63	0.00	0.00	0.00	0.00
83.3	60.79	19.88	8.86	9.74	7.42	0.77	9.63	5.03	0.00	0.00	0.00	0.00
83.4	47.22	23.63	10.35	11.20	5.81	0.36	16.15	11.31	0.50	0.00	4.91	0.00
83.5	81.86	12.59	9.82	10.95	4.08	2.22	14.47	16.39	0.52	0.00	2.59	0.00
83.6	93.60	1.89	10.71	4.40	8.60	0.39	7.30	3.52	0.00	0.00	0.00	0.00
83.7	32.66	39.23	9.46	8.37	8.59	0.00	12.49	0.00	0.00	0.00	0.00	0.00
83.8	22.93	9.03	12.59	7.65	8.31	1.19	19.88	6.89	0.83	1.06	3.27	24.77
83.9	23.15	43.97	10.59	8.91	6.49	1.94	13.05	13.88	0.00	0.57	0.00	2.64
84	66.69	45.08	11.63	10.95	6.88	0.00	13.53	0.00	0.00	0.00	0.00	0.00
84.1	62.56	13.84	10.71	13.60	6.87	3.10	20.95	22.69	1.74	0.87	6.84	9.17
84.2	26.57	15.65	13.66	14.46	20.84	17.46	15.54	14.65	0.52	0.00	15.03	0.00
84.3	8.52	1.91	2.42	7.42	25.20	21.88	14.34	14.19	0.00	0.54	0.00	8.51
84.4	21.12	3.30	13.12	29.25	12.48	8.59	17.96	17.46	3.96	8.13	21.00	17.64
84.5	33.64	17.37	8.04	12.46	4.10	0.00	5.97	0.00	0.36	0.00	4.01	0.00
84.6	15.25	0.43	6.99	3.42	0.77	0.00	5.78	0.00	0.07	0.49	7.60	11.40
84.7	11.52	8.42	13.44	16.77	2.62	1.53	10.76	14.71	1.31	1.04	20.53	19.62
84.8	5.85	2.00	7.39	6.77	0.79	2.01	8.62	12.65	0.15	0.83	2.86	4.28
84.9	17.57	3.96	5.70	3.05	2.47	1.75	9.92	7.18	0.00	0.62	0.00	6.00
85	76.20	0.00	5.39	0.00	0.12	0.33	2.94	4.40	0.00	0.00	0.00	0.00
85.1	20.29	1.36	12.41	5.39	1.43	0.00	6.05	0.00	0.21	0.86	5.77	17.30
85.2	20.87	0.30	8.77	10.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.3	10.94	2.82	16.58	9.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.4	3.49	0.00	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.5	5.08	4.48	9.02	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.6	6.88	66.67	9.30	8.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

85.7	3.83	2.54	6.38	12.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.8	4.89	0.67	2.89	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	3.35	0.49	10.49	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.1	5.57	0.95	8.55	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.2	4.39	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.3	3.79	0.18	3.79	3.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.4	22.48	0.00	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.5	1.60	0.00	5.15	0.00	0.00	0.00	0.00	0.00	0.27	1.06	6.49	16.63
86.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.7	2.91	6.06	7.43	6.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.8	0.92	55.43	2.48	7.31	0.00	0.00	0.00	0.00	0.32	0.19	6.40	9.60
86.9	4.69	0.43	7.22	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	9.84	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.1	11.14	0.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.2	6.86	9.96	6.90	9.45	1.49	0.40	24.82	17.94	0.00	0.00	0.00	0.00
87.3	12.28	6.00	6.63	10.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.4	0.48	0.00	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	2.48	0.00	10.60	0.00	0.00	0.00	0.00	0.00	0.43	0.00	4.34	0.00
87.6	12.11	1.03	3.53	1.43	0.48	0.00	3.11	0.00	0.00	0.00	0.00	0.00
87.7	11.60	0.00	3.92	0.00	0.42	0.00	1.00	0.00	0.00	0.00	0.00	0.00
87.8	3.14	6.52	10.40	12.17	1.00	1.14	16.80	17.31	1.16	0.00	5.32	0.00
87.9	50.60	20.32	8.61	17.46	6.48	3.89	22.33	16.81	0.96	1.46	10.21	11.73
88	73.39	36.13	9.84	5.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.1	103.92	4.23	9.45	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.2	69.52	7.33	7.95	9.62	0.00	0.00	0.00	0.00	1.38	0.08	3.31	4.17
88.3	77.20	13.29	8.85	5.98	0.00	0.00	0.00	0.00	0.33	0.00	4.26	0.00
88.4	77.93	5.17	9.53	3.48	0.00	0.00	0.00	0.00	1.23	0.11	6.84	4.92
88.5	55.46	0.43	6.06	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.6	68.20	1.71	7.29	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.7	64.41	1.70	5.76	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.8	66.38	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.9	82.54	1.83	9.72	3.10	0.67	0.00	2.77	0.00	0.00	0.00	0.00	0.00
89	93.52	0.00	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.1	51.41	3.73	6.99	3.20	0.00	0.00	0.00	0.00	1.50	0.11	5.72	5.08
89.2	77.36	1.28	7.70	3.12	0.00	0.00	0.00	0.00	1.03	0.00	4.41	0.00
89.3	76.98	0.00	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.4	53.29	0.00	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.5	58.94	0.00	4.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.6	72.48	0.19	5.42	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.7	20.90	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.8	11.38	1.12	5.20	3.16	1.49	0.81	4.01	6.00	0.00	0.00	0.00	0.00
89.9	32.63	0.00	4.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

90	17.92	2.06	10.49	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.1	39.95	0.06	4.48	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.2	8.57	0.65	4.33	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.3	48.38	0.10	4.16	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.4	45.48	0.00	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.5	47.31	0.00	4.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.6	29.70	2.04	4.18	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.7	35.48	0.67	8.87	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.8	21.20	0.00	4.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.9	25.56	0.00	4.21	0.00	0.47	0.00	6.65	0.00	0.00	0.00	0.00	0.00
91	49.72	0.25	4.48	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.1	52.83	0.16	4.01	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.2	54.76	0.00	4.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.3	24.41	3.63	4.02	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.4	26.15	0.00	4.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.5	41.82	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.6	44.43	1.57	4.01	2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.7	30.21	0.00	9.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.8	7.86	0.00	5.50	0.00	0.71	1.18	11.26	10.28	0.00	0.00	0.00	0.00
91.9	30.72	24.94	10.44	12.14	4.35	0.73	8.58	6.21	0.00	0.00	0.00	0.00
92	15.03	14.53	8.66	12.83	0.00	0.34	0.00	5.23	0.00	0.00	0.00	0.00
92.1	4.45	0.00	4.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.2	29.95	1.03	8.84	3.85	3.84	0.00	4.08	0.00	19.51	1.61	8.18	11.46
92.3	28.27	1.23	7.68	9.44	5.71	0.00	4.90	0.00	4.88	0.00	7.27	0.00
92.4	40.38	3.12	10.57	10.63	2.33	0.00	4.85	0.00	0.00	0.00	0.00	0.00
92.5	118.45	71.91	15.66	17.27	34.32	28.68	17.88	17.82	18.93	15.55	16.96	15.45
92.6	198.19	86.58	16.68	17.95	53.49	37.39	17.62	16.94	24.68	18.60	15.71	15.72
92.7	192.27	119.24	16.48	17.25	37.45	28.91	16.15	15.00	13.90	12.18	17.64	16.83
92.8	289.10	227.57	12.46	14.38	80.73	74.64	15.31	15.58	29.00	23.07	13.73	14.03
92.9	233.04	208.31	16.17	14.38	76.36	84.68	15.87	16.09	22.46	17.36	17.44	17.02
93	238.43	235.72	12.27	13.89	82.09	76.96	15.31	15.72	19.87	22.87	15.23	14.73
93.1	193.99	201.39	14.22	17.21	65.39	49.95	15.33	15.32	15.30	10.59	15.37	14.82
93.2	142.29	121.66	15.37	18.56	45.81	13.03	16.83	14.63	10.86	4.09	13.78	12.29
93.3	126.88	46.69	12.32	13.53	30.97	20.69	14.73	14.66	2.98	2.80	17.30	17.17
93.4	184.63	98.86	14.52	14.67	39.85	26.83	18.53	18.58	10.84	11.28	17.69	15.80
93.5	215.34	152.88	10.74	15.32	46.04	79.90	15.86	15.67	14.55	18.85	14.00	13.21
93.6	86.86	72.59	14.45	12.59	31.08	32.58	15.26	15.15	7.33	6.22	14.80	12.49
93.7	4.05	10.89	6.30	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.8	25.85	0.00	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.9	9.42	8.59	8.01	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	5.46	1.01	4.54	1.48	0.20	0.77	1.92	1.44	0.00	0.00	0.00	0.00
94.1	5.56	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.60	0.45	6.23	16.10
94.2	22.44	3.54	7.49	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

94.3	27.69	6.11	5.28	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94.4	72.75	48.43	12.77	14.45	14.68	9.67	16.76	14.97	2.96	0.99	8.99	10.68
94.5	108.73	41.67	9.98	12.95	14.92	9.34	16.49	14.42	2.37	0.00	19.82	0.00
94.6	86.89	0.94	7.05	4.02	2.12	0.69	12.50	13.58	0.00	0.00	0.00	0.00
94.7	29.23	15.31	6.94	9.04	4.30	1.20	12.63	4.71	0.00	0.00	0.00	0.00
94.8	23.39	5.66	9.96	10.85	9.94	10.82	16.52	15.62	2.83	2.55	17.57	11.04
94.9	32.34	28.37	13.08	17.14	4.43	5.03	22.04	26.62	9.12	4.78	20.99	21.73
95	130.16	75.04	9.39	14.93	5.86	7.12	13.54	12.53	0.85	0.00	9.74	0.00
95.1	48.80	27.65	6.86	11.68	1.05	0.43	8.87	6.00	0.00	0.52	0.00	2.83
95.2	14.79	0.00	7.79	0.00	1.00	0.81	7.26	4.72	0.00	0.00	0.00	0.00
95.3	130.31	3.06	9.91	12.72	1.58	0.68	7.37	7.91	0.45	0.00	9.89	0.00
95.4	35.85	0.96	6.58	3.58	5.00	0.36	9.63	5.47	0.88	0.00	3.29	0.00
95.5	78.44	1.11	4.30	3.84	7.02	0.00	8.72	0.00	0.52	0.00	5.20	0.00
95.6	52.10	0.97	4.47	3.61	2.17	0.00	3.70	0.00	0.51	0.00	3.63	0.00
95.7	78.97	0.39	4.54	2.12	2.57	0.00	6.41	0.00	0.00	0.00	0.00	0.00
95.8	13.52	0.00	4.38	0.00	4.32	0.00	4.15	0.00	0.55	0.00	1.46	0.00
95.9	15.98	0.00	7.06	0.00	3.53	0.00	4.40	0.00	2.03	0.00	4.18	0.00
96	18.99	0.50	5.56	1.46	2.38	0.00	9.07	0.00	0.00	0.00	0.00	0.00
96.1	25.58	0.00	3.81	0.00	3.35	0.38	4.03	4.56	0.00	0.00	0.00	0.00
96.2	6.07	2.16	6.87	9.41	3.86	0.69	6.75	3.95	0.88	0.00	4.97	0.00
96.3	12.82	0.00	3.91	0.00	2.10	0.00	3.23	0.00	1.70	0.00	2.60	0.00
96.4	14.46	16.31	6.55	4.99	3.16	0.00	9.65	0.00	0.00	0.00	0.00	0.00
96.5	6.01	0.00	7.73	0.00	4.19	0.00	6.60	0.00	0.00	0.00	0.00	0.00
96.6	42.26	4.99	4.45	4.69	7.62	0.71	12.75	8.71	0.54	0.00	5.36	0.00
96.7	21.71	0.70	4.44	2.25	6.11	0.53	4.74	7.80	1.03	0.42	3.31	2.93
96.8	33.11	3.14	7.95	18.20	6.05	1.07	14.24	23.00	1.05	0.40	3.34	15.31
96.9	98.98	2.29	10.14	10.55	20.34	6.25	14.86	13.49	1.67	0.44	9.45	2.96
97	36.57	4.76	4.66	10.64	2.89	0.36	4.42	5.00	0.82	0.08	4.80	3.51
97.1	70.35	1.54	6.24	3.33	3.86	0.00	9.43	0.00	0.00	0.00	0.00	0.00
97.2	37.22	2.62	5.78	5.39	1.80	0.36	4.28	2.60	0.52	0.00	3.47	0.00
97.3	88.12	14.58	13.13	8.67	8.43	5.21	13.92	16.13	1.77	1.42	8.34	7.35
97.4	81.84	0.49	9.96	6.91	4.94	1.12	14.19	5.63	1.58	0.00	3.34	0.00
97.5	6.36	0.00	4.22	0.00	3.95	0.25	3.60	5.17	0.50	0.00	2.57	0.00
97.6	54.05	1.97	7.06	7.44	6.76	0.80	7.93	6.22	1.07	0.35	6.24	6.84
97.7	74.60	0.00	3.26	0.00	5.01	0.78	7.89	6.77	0.00	0.00	0.00	0.00
97.8	68.02	0.00	3.19	0.00	3.68	0.00	3.97	0.00	0.00	0.00	0.00	0.00
97.9	61.75	0.11	8.58	9.17	2.21	0.00	6.59	0.00	0.00	0.00	0.00	0.00
98	82.95	0.00	3.06	0.00	4.94	0.00	10.45	0.00	0.43	0.00	3.07	0.00
98.1	41.54	12.85	3.60	6.65	7.65	0.73	10.20	16.47	0.37	0.00	6.09	0.00
98.2	31.55	3.43	9.02	13.62	4.86	0.76	7.62	8.94	2.54	0.00	2.59	0.00
98.3	41.40	6.79	8.91	10.63	0.98	0.00	3.08	0.00	0.00	0.00	0.00	0.00
98.4	95.55	0.00	8.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.5	56.45	0.00	8.25	0.00	0.00	0.00	0.00	0.00	0.45	0.00	8.74	0.00

98.6	50.73	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.47	0.00	5.69	0.00
98.7	9.33	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.8	55.36	0.00	10.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.9	94.89	0.00	8.04	0.00	0.00	0.00	0.00	0.00	0.49	0.00	2.70	0.00
99	23.59	1.61	8.26	10.76	0.00	0.00	0.00	0.00	1.05	0.00	15.16	0.00
99.1	49.75	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.2	74.37	0.00	10.79	0.00	0.00	0.00	0.00	0.00	1.47	0.00	7.43	0.00
99.3	51.11	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.4	81.51	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.5	45.23	1.54	7.11	8.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.6	23.22	0.00	5.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.7	1.49	0.00	4.73	0.00	0.00	0.00	0.00	0.00	0.56	0.00	3.55	0.00
99.8	53.05	14.19	9.87	10.52	1.56	1.25	7.23	4.94	0.14	0.39	1.88	2.82
99.9	81.31	48.38	10.51	13.83	6.57	9.43	11.67	14.13	0.08	0.44	4.22	6.33
100	47.66	14.51	12.38	10.57	6.31	5.32	13.67	13.71	1.59	0.46	3.81	18.13
100.1	82.68	46.07	14.37	16.09	9.36	7.30	11.41	11.58	1.81	0.15	6.17	6.94
100.2	31.97	6.33	12.14	12.03	5.58	2.25	9.72	5.86	0.50	0.00	1.89	0.00
100.3	53.87	7.90	13.77	12.68	6.20	3.05	12.76	14.28	0.36	1.16	7.46	22.89
100.4	116.69	54.00	12.71	13.53	13.37	11.78	15.54	16.33	0.75	1.74	11.21	11.87
100.5	61.26	26.92	12.78	15.01	13.85	3.48	15.19	16.55	0.18	1.97	10.66	7.13
100.6	70.54	15.06	9.59	10.44	8.53	2.38	12.60	6.36	4.30	1.30	7.73	6.65
100.7	26.00	27.59	10.49	10.66	23.68	14.05	10.84	10.68	7.19	6.32	5.95	9.04
100.8	86.40	37.27	11.19	11.46	17.08	13.69	17.27	12.88	4.80	4.26	9.05	8.86
100.9	68.47	12.36	8.98	11.59	9.91	2.10	11.53	14.18	2.22	0.86	8.04	8.80
101	52.26	5.97	8.27	10.06	11.92	2.78	13.51	14.48	3.17	0.42	9.43	6.94
101.1	48.87	7.40	5.23	9.48	12.49	2.41	11.75	14.26	1.73	0.90	9.21	9.95
101.2	37.11	15.50	8.99	12.88	10.65	2.45	12.45	8.24	3.99	0.94	16.42	16.09
101.3	73.12	12.39	12.56	15.45	10.33	3.00	13.64	6.71	0.52	0.73	3.68	5.52
101.4	88.16	10.63	10.87	11.40	10.58	1.44	13.88	11.61	3.57	2.89	14.33	16.03
101.5	80.80	43.31	11.89	13.95	33.93	17.53	16.05	17.62	8.85	3.13	14.54	14.31
101.6	67.54	11.47	9.87	12.01	10.83	2.96	12.60	12.57	1.61	0.92	10.22	4.60
101.7	66.22	48.96	8.75	13.18	22.25	7.66	13.26	12.94	4.51	5.53	9.61	8.69
101.8	48.29	59.35	5.95	10.32	31.31	15.64	12.15	11.85	5.41	8.59	9.27	9.87
101.9	68.49	31.63	10.98	14.80	17.55	7.70	14.10	12.24	8.80	3.62	11.00	14.59
102	54.33	30.18	8.99	11.00	5.00	2.42	12.56	14.28	1.56	0.37	6.87	4.04
102.1	59.53	49.24	9.37	11.06	15.94	3.64	15.75	19.38	2.99	0.00	9.14	0.00
102.2	56.51	59.91	10.96	12.44	12.20	4.64	14.76	13.76	3.65	1.79	13.08	14.91
102.3	33.78	70.18	14.21	10.98	14.49	2.16	12.67	11.07	4.63	2.68	18.35	26.26
102.4	118.29	26.82	13.08	9.45	9.78	4.31	10.79	9.66	0.73	0.52	7.56	11.36
102.5	136.92	28.56	12.02	13.09	12.82	7.64	12.47	9.14	3.16	0.44	11.38	7.88
102.6	54.41	22.14	10.96	6.79	15.19	5.26	17.69	17.85	3.19	0.36	11.55	10.52
102.7	106.79	57.43	11.09	10.01	35.29	10.20	15.76	14.33	5.93	2.46	12.07	12.69
102.8	75.48	24.42	10.66	9.68	6.06	2.58	12.58	6.77	1.66	0.68	6.02	5.51

102.9	71.59	29.87	11.10	11.13	11.83	4.04	14.37	11.52	0.93	0.00	4.04	0.00
103	71.01	24.00	10.10	11.49	9.84	5.70	16.35	18.79	0.90	0.00	3.41	0.00
103.1	57.05	41.95	10.88	9.93	12.42	4.41	12.46	11.93	3.36	0.32	19.85	10.88
103.2	75.79	11.07	9.53	7.06	13.77	3.28	10.49	8.22	0.84	0.96	5.05	7.58
103.3	91.92	25.07	11.79	10.68	29.17	7.51	16.24	15.31	9.05	1.06	12.57	7.13
103.4	38.30	45.41	9.67	8.98	10.90	2.79	15.11	19.23	2.02	0.90	6.52	3.38
103.5	93.07	29.60	11.11	12.27	17.00	3.77	12.29	11.53	3.45	1.63	11.69	12.11
103.6	41.66	6.42	9.28	8.85	3.73	0.41	20.26	18.31	0.96	0.00	3.59	0.00
103.7	109.48	33.84	8.27	8.73	18.93	6.54	16.98	16.10	4.80	0.00	9.96	0.00
103.8	78.65	80.84	12.31	10.71	25.95	14.63	14.35	14.14	4.28	3.65	18.14	28.16
103.9	111.50	133.52	12.27	9.13	72.97	34.24	15.58	15.51	6.42	4.36	13.97	10.04
104	65.71	132.83	9.75	9.66	46.44	25.54	16.85	17.05	14.88	8.54	12.53	10.64
104.1	80.72	41.98	12.93	11.04	14.46	10.41	11.26	12.17	0.60	3.49	10.07	10.22
104.2	91.45	26.41	11.33	11.04	16.59	10.47	12.76	10.91	5.02	2.32	6.79	17.59
104.3	100.85	5.86	12.75	7.65	14.89	4.03	12.51	9.16	4.49	0.60	10.91	9.37
104.4	83.78	30.92	9.45	16.88	20.15	3.37	12.45	7.58	4.70	1.29	6.46	5.00
104.5	97.08	92.97	15.30	15.01	41.50	23.72	16.93	16.91	11.33	5.33	11.18	16.32
104.6	68.33	85.40	10.08	12.74	57.06	26.10	14.58	14.90	24.03	11.50	10.40	9.50
104.7	101.67	71.54	11.21	12.28	29.80	11.54	13.33	14.34	15.71	6.50	7.20	9.75
104.8	110.77	22.73	10.31	8.55	19.36	12.03	12.27	11.50	8.88	3.21	8.55	8.57
104.9	65.08	21.61	10.66	11.49	15.20	7.29	15.78	10.60	3.82	0.00	14.15	0.00
105	118.52	26.93	10.05	11.22	17.69	7.69	13.00	12.71	2.89	2.13	9.44	6.97
105.1	142.86	77.11	12.37	13.76	49.09	26.09	18.76	20.37	6.85	2.17	12.00	14.36
105.2	124.40	14.05	12.07	5.24	24.69	13.17	17.96	18.54	5.11	4.38	15.59	7.67
105.3	149.69	9.85	15.74	15.11	20.67	13.03	18.48	18.94	2.74	0.44	13.87	20.70
105.4	124.12	0.00	11.35	0.00	12.49	13.43	17.61	18.13	0.99	0.00	14.01	0.00
105.5	152.54	1.49	11.54	6.06	18.31	12.66	17.84	17.61	3.03	1.65	21.55	8.21
105.6	148.74	2.40	12.24	6.31	27.73	25.78	17.02	17.07	3.29	3.59	18.10	13.89
105.7	139.77	8.45	19.21	17.63	22.50	18.89	16.38	16.22	1.84	3.82	21.52	12.64
105.8	154.75	4.00	15.01	6.43	35.55	25.59	20.40	20.48	6.03	4.20	14.38	12.04
105.9	44.05	1.09	13.74	4.52	9.09	6.38	16.23	17.26	0.67	0.00	3.60	0.00
106	46.47	0.00	13.40	0.00	5.01	2.85	19.29	19.33	1.30	0.00	12.16	0.00
106.1	41.70	43.15	8.64	8.66	16.91	16.74	18.85	19.25	19.93	2.20	11.53	13.30
106.2	83.71	13.28	14.43	16.24	16.99	13.30	21.59	24.54	12.01	1.26	8.03	12.88
106.3	76.71	31.52	14.19	13.89	15.41	13.44	22.50	24.61	17.52	1.81	22.40	30.41
106.4	93.99	2.93	9.85	19.38	18.10	21.33	20.69	21.30	4.51	1.44	12.33	21.53
106.5	62.36	5.88	10.25	14.65	17.05	15.53	23.07	24.07	8.91	0.66	21.17	16.31
106.6	79.22	10.71	18.25	18.20	12.60	17.05	20.33	21.53	5.41	2.73	17.07	18.64
106.7	34.95	6.53	13.56	16.39	8.56	9.10	22.86	22.00	5.70	0.41	17.63	12.45
106.8	48.08	3.99	14.75	12.42	7.95	6.17	18.03	16.17	0.00	0.00	0.00	0.00
106.9	0.00	0.00	0.00	0.00	8.14	9.52	15.76	14.94	0.00	0.00	0.00	0.00
107	2.45	0.00	5.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.1	5.03	0.00	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

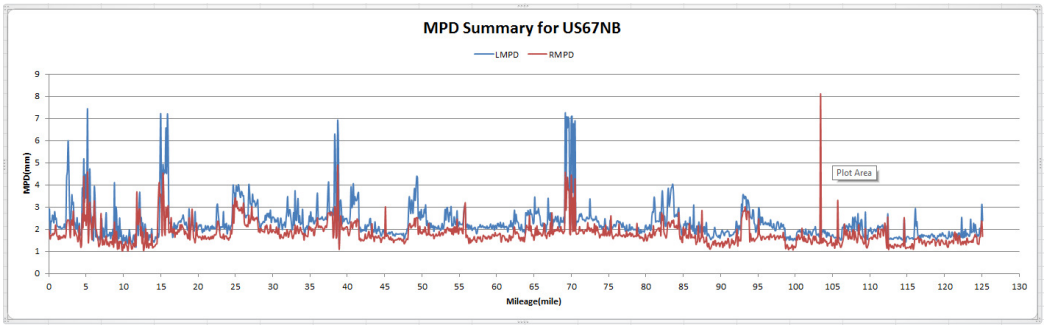
107.2	17.75	1.54	12.76	15.10	0.39	0.00	2.92	0.00	0.00	0.00	0.00	0.00
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107.4	87.41	55.57	12.03	14.45	13.89	2.15	13.14	12.98	2.85	0.40	14.92	4.71
107.5	98.62	21.19	10.43	16.11	11.41	4.46	11.08	17.32	2.01	1.37	11.91	16.48
107.6	10.66	11.53	8.08	6.14	2.60	0.37	9.36	7.54	0.09	0.94	4.61	8.62
107.7	45.72	36.35	8.94	10.84	6.25	3.96	12.17	18.24	0.33	0.42	3.85	18.78
107.8	84.98	49.06	12.96	14.20	9.20	7.08	22.49	24.08	4.50	2.17	15.11	19.94
107.9	131.33	16.35	14.17	15.10	19.33	9.81	20.19	22.00	3.65	1.53	17.21	22.32
108	145.61	22.25	16.72	12.62	17.71	10.02	19.71	17.46	2.24	2.63	15.16	6.55
108.1	57.32	46.35	11.53	12.13	7.95	7.51	18.89	18.64	0.68	0.87	11.71	6.00
108.2	43.53	32.12	6.30	13.95	5.35	2.68	12.34	10.19	1.01	2.98	7.39	13.54
108.3	12.57	26.51	5.92	12.74	2.42	1.40	6.81	10.64	0.96	0.40	12.26	5.83
108.4	186.47	7.56	13.78	8.70	8.87	10.69	25.65	26.35	1.75	0.75	14.03	10.56
108.5	54.10	3.51	10.61	4.57	2.74	1.31	8.33	12.84	1.16	0.00	5.92	0.00
108.6	18.14	17.19	7.55	6.48	2.73	0.74	7.64	6.90	0.61	0.43	9.34	2.73
108.7	29.80	0.00	8.96	0.00	4.28	0.77	14.71	7.54	0.00	0.00	0.00	0.00
108.8	22.39	0.00	8.41	0.00	0.48	0.00	6.35	0.00	0.00	0.00	0.00	0.00
108.9	18.94	3.62	7.48	5.28	0.44	0.00	3.27	0.00	0.00	0.00	0.00	0.00
109	30.91	0.00	9.72	0.00	2.11	0.76	12.71	11.69	0.00	0.00	0.00	0.00
109.1	40.76	1.77	9.62	10.64	4.23	0.00	5.92	0.00	2.73	0.00	14.14	0.00
109.2	6.55	0.00	6.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.3	18.70	0.00	5.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.4	42.44	0.00	6.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.5	13.97	7.75	13.16	19.37	1.32	0.00	9.62	0.00	0.60	1.42	7.33	5.13
109.6	80.94	2.28	13.39	18.84	3.88	0.00	9.24	0.00	3.12	1.58	15.54	22.37
109.7	48.01	1.00	14.00	14.90	0.08	0.41	3.80	5.70	0.88	0.13	5.27	7.60
109.8	143.31	2.01	12.01	5.58	0.45	0.00	3.11	0.00	0.54	0.05	5.43	8.15
109.9	132.72	6.52	10.69	9.35	4.57	1.91	11.95	7.35	0.12	0.95	2.25	3.44
110	64.46	37.98	11.77	12.01	3.49	0.00	11.33	0.00	2.20	1.38	4.39	6.37
110.1	82.12	3.34	13.27	8.93	2.62	0.41	4.03	8.80	1.56	0.00	6.52	0.00
110.2	120.62	2.64	13.87	16.28	10.87	0.00	4.43	0.00	5.92	0.00	7.03	0.00
110.3	97.99	0.75	13.50	12.23	9.06	0.84	3.24	4.01	1.67	0.00	17.35	0.00
110.4	132.98	2.17	10.65	4.35	1.07	0.38	2.90	8.65	3.28	1.05	13.17	8.24
110.5	77.38	1.15	10.68	7.15	1.60	0.00	7.22	0.00	1.51	0.00	3.35	0.00
110.6	52.77	20.86	11.17	11.02	0.08	0.32	4.64	6.96	2.25	1.31	7.31	5.90
110.7	18.21	7.18	10.88	12.26	0.90	0.00	4.90	0.00	2.71	0.00	5.24	0.00
110.8	107.58	0.00	10.53	0.00	0.87	0.00	3.53	0.00	1.18	0.37	6.32	5.38
110.9	129.74	0.00	10.98	0.00	1.70	0.00	6.79	0.00	0.79	0.00	6.64	0.00
111	104.20	3.35	10.14	7.29	0.00	0.00	0.00	0.00	2.85	0.31	11.67	6.40
111.1	89.26	0.00	11.42	0.00	0.48	0.00	1.04	0.00	2.73	0.00	5.01	0.00
111.2	100.82	0.00	10.25	0.00	0.00	0.00	0.00	0.00	2.08	0.00	4.86	0.00
111.3	102.78	0.44	9.68	4.52	0.35	0.00	2.07	0.00	0.70	0.38	3.76	5.64
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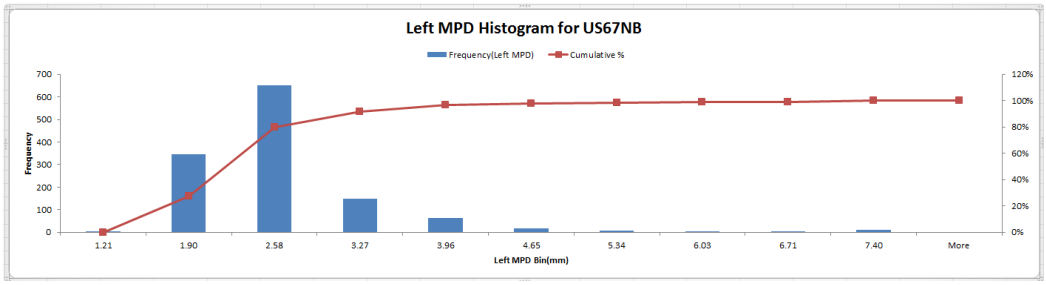
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112.2	36.39	0.00	8.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.3	25.86	0.21	9.69	2.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.4	30.94	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	56.27	0.14	7.66	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.6	67.80	23.31	12.68	20.11	3.49	2.56	23.04	24.05	1.56	2.50	10.44	19.45
112.7	81.37	18.13	13.18	21.54	3.37	6.50	19.21	19.26	4.97	4.62	17.48	18.75
112.8	22.91	0.00	7.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.9	49.32	0.00	7.98	0.00	0.00	0.00	0.00	0.00	0.46	0.00	3.85	0.00
113	69.63	0.00	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.1	111.16	0.00	9.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.2	53.29	0.00	6.68	0.00	0.45	0.00	1.36	0.00	0.00	0.00	0.00	0.00
113.3	34.11	0.00	7.46	0.00	0.83	0.00	2.35	0.00	0.00	0.00	0.00	0.00
113.4	36.76	0.00	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.5	77.45	2.49	8.55	8.51	1.37	0.00	3.35	0.00	1.04	0.61	5.11	7.66
113.6	27.57	0.00	7.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.7	12.47	0.00	9.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113.8	17.50	0.00	7.57	0.00	0.83	0.00	3.40	0.00	0.00	0.00	0.00	0.00
113.9	60.46	0.00	8.73	0.00	0.00	0.00	0.00	0.00	0.51	0.00	2.17	0.00
114	57.09	0.00	8.34	0.00	0.86	0.00	3.28	0.00	0.00	0.00	0.00	0.00
114.1	27.58	0.00	7.71	0.00	0.46	0.00	4.50	0.00	0.00	0.00	0.00	0.00
114.2	17.94	10.87	15.26	15.69	4.65	3.09	23.91	23.27	0.00	0.00	0.00	0.00
114.3	35.30	11.70	10.46	6.86	4.07	3.79	14.43	17.24	3.08	1.60	7.87	15.95
114.4	78.23	0.21	8.03	5.65	0.48	0.00	3.21	0.00	0.00	0.00	0.00	0.00
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114.6	37.16	0.00	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114.7	73.56	0.94	7.72	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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114.9	13.41	0.56	5.60	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	14.05	0.00	5.43	0.00	0.93	0.00	4.42	0.00	0.00	0.00	0.00	0.00
115.1	24.12	0.00	7.57	0.00	0.92	0.00	2.88	0.00	0.00	0.00	0.00	0.00
115.2	78.40	0.52	9.46	4.97	1.28	0.00	3.57	0.00	0.00	0.00	0.00	0.00
115.3	25.13	0.00	5.63	0.00	0.46	0.00	3.08	0.00	0.00	0.00	0.00	0.00
115.4	45.23	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.5	51.26	0.00	6.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.6	16.67	6.64	6.51	5.85	1.03	0.40	7.56	5.20	0.00	0.00	0.00	0.00
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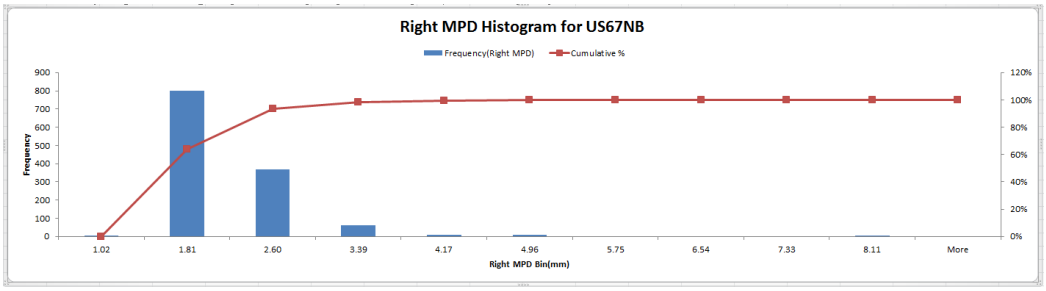
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116	15.98	10.51	10.81	14.07	9.51	4.75	16.12	13.69	1.12	1.84	5.55	9.39
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116.2	121.86	13.26	12.80	17.18	24.20	11.71	14.96	16.31	6.13	5.92	16.28	16.23
116.3	115.44	6.14	10.61	6.73	11.17	5.38	18.91	15.30	0.66	0.28	13.53	9.08
116.4	107.56	8.03	12.13	12.08	5.49	4.63	16.95	13.49	1.57	1.29	6.08	11.54
116.5	123.31	23.27	12.57	13.17	9.97	1.51	14.62	17.56	0.64	0.67	10.77	8.67
116.6	81.93	17.76	10.70	8.37	10.47	1.65	17.30	12.20	2.01	0.65	7.60	4.12
116.7	103.63	28.58	9.34	7.58	12.21	7.47	15.23	17.57	1.26	2.31	4.24	6.49
116.8	89.85	0.08	6.55	4.74	13.45	4.46	17.55	12.49	2.87	0.00	7.43	0.00
116.9	133.88	11.63	7.76	8.40	26.06	3.74	18.09	18.12	2.83	0.80	4.46	10.33
117	128.61	4.55	6.99	2.09	9.04	1.48	13.18	8.76	1.43	0.00	4.62	0.00
117.1	233.51	1.23	14.77	3.87	7.53	2.21	19.26	10.25	2.11	0.00	10.58	0.00
117.2	200.84	9.60	13.75	11.89	8.21	2.33	16.31	12.04	2.59	0.00	17.59	0.00
117.3	184.23	12.01	14.45	15.08	7.16	2.28	13.70	15.73	3.99	0.40	17.51	6.53
117.4	192.69	1.07	13.67	4.73	8.14	4.76	21.58	19.27	2.84	0.39	15.41	10.42
117.5	202.62	48.53	13.45	13.06	13.77	9.22	18.13	17.18	0.39	1.59	15.22	22.83
117.6	119.33	112.49	12.05	15.30	5.11	4.32	18.60	15.21	2.67	2.83	10.60	9.37
117.7	142.03	89.45	13.68	15.78	8.14	5.04	19.58	20.84	4.77	0.00	13.95	0.00
117.8	227.44	28.24	12.68	10.07	13.80	6.97	16.55	15.76	2.91	0.20	28.58	25.93
117.9	230.43	6.06	14.77	10.68	10.02	4.03	16.10	16.98	3.06	0.00	13.23	0.00
118	182.57	29.37	13.39	12.70	13.08	5.85	21.49	18.45	0.85	0.71	9.12	14.08
118.1	133.06	81.24	10.88	10.80	16.55	7.40	16.15	16.17	4.91	1.90	14.04	10.53
118.2	227.17	47.07	12.83	14.77	12.65	4.78	16.84	16.49	0.89	0.00	8.02	0.00
118.3	133.47	6.02	13.82	11.98	6.94	3.05	19.05	12.30	4.15	1.58	14.52	15.43
118.4	191.68	28.24	13.73	13.84	11.74	7.11	19.94	23.41	1.55	0.47	10.96	9.11
118.5	103.07	2.67	14.50	6.75	16.13	10.11	13.77	14.11	2.71	2.08	7.07	5.23
118.6	121.79	16.52	11.49	4.90	11.41	4.87	13.89	11.79	1.30	0.34	11.12	9.77
118.7	206.02	19.59	12.32	15.80	10.86	5.17	16.78	15.91	1.13	0.44	5.08	8.36
118.8	220.39	4.82	12.40	9.19	11.67	6.74	17.74	14.38	1.13	0.40	20.04	12.41
118.9	166.48	24.08	12.46	10.51	12.39	7.97	14.20	13.08	4.15	3.94	18.09	14.06
119	106.42	2.60	13.18	11.78	9.18	5.45	18.38	16.05	3.12	1.67	24.82	26.68
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119.3	154.96	15.35	12.86	9.83	4.67	1.35	9.38	15.47	3.60	1.69	10.59	5.36
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119.5	243.70	77.09	11.65	11.49	13.80	5.99	11.76	13.28	12.17	0.43	10.05	4.01
119.6	193.21	30.00	10.93	10.98	17.62	4.39	15.37	16.96	10.95	0.79	17.60	8.98
119.7	130.93	6.65	11.02	10.48	4.38	4.09	18.65	21.26	4.69	0.58	13.30	12.39
119.8	202.76	16.71	12.76	12.21	16.99	12.32	18.73	18.68	2.31	2.72	11.10	7.64
119.9	103.94	4.80	11.20	9.91	22.18	13.83	14.51	14.00	6.04	0.00	9.16	0.00
120	143.04	21.24	13.28	13.83	22.22	14.07	16.69	15.27	4.65	0.44	19.35	15.15

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121.1	228.17	40.22	13.11	9.25	7.93	6.73	14.44	16.35	2.34	2.17	15.32	11.43
121.2	200.82	39.75	13.56	12.54	8.68	6.52	15.26	16.32	1.61	0.44	10.99	10.48
121.3	205.36	103.33	12.05	16.05	13.71	5.65	17.38	16.92	3.59	1.43	13.84	7.30
121.4	192.64	84.55	12.64	11.97	12.48	7.57	18.70	17.40	2.69	1.59	14.17	9.12
121.5	132.67	36.67	13.00	13.53	11.23	11.23	21.14	23.24	7.13	3.15	14.28	10.41
121.6	119.67	108.86	13.60	13.27	15.00	8.88	15.75	14.04	1.79	3.53	13.78	14.14
121.7	126.52	107.06	13.45	12.82	19.21	9.48	16.00	16.57	4.01	3.97	16.23	17.32
121.8	146.52	93.56	11.13	16.12	12.75	13.41	17.87	17.28	2.45	2.33	17.58	17.62
121.9	125.27	55.37	13.59	16.46	4.99	5.28	21.86	21.83	1.61	0.39	18.48	6.90
122	86.99	15.66	10.99	6.60	10.84	8.96	15.02	7.04	1.05	0.00	2.92	0.00
122.1	63.76	20.69	13.43	11.50	9.57	2.92	11.04	9.95	1.69	0.84	9.14	2.98
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122.7	50.34	1.18	8.90	5.58	10.90	0.00	10.89	0.00	0.53	0.00	15.30	0.00
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123	46.48	1.75	9.92	10.44	11.15	0.00	15.49	0.00	5.31	0.00	9.78	0.00
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123.2	12.06	22.98	5.14	5.10	1.89	0.00	5.84	0.00	0.84	0.00	3.61	0.00
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123.4	108.05	75.63	13.72	15.08	28.79	32.74	16.27	16.94	5.16	11.43	13.74	14.33
123.5	36.58	77.88	9.18	12.10	24.93	15.02	16.34	18.33	7.46	7.52	14.42	14.13
123.6	180.78	108.55	9.52	14.66	28.77	25.89	16.87	19.96	7.35	10.26	12.58	18.06
123.7	111.83	90.83	12.19	14.62	12.04	11.30	17.78	19.51	6.14	5.59	14.75	18.59
123.8	145.32	144.01	11.87	15.37	48.82	36.68	16.63	17.49	4.75	8.65	19.96	17.50
123.9	108.47	120.75	13.43	15.77	46.27	36.67	15.19	15.45	9.58	9.88	13.35	13.90
124	53.36	2.36	10.08	10.83	30.04	19.58	13.06	13.43	2.77	1.27	9.45	10.80
124.1	28.15	0.50	5.49	9.26	0.87	1.35	13.44	20.16	0.14	0.30	17.58	26.37
124.2	30.82	0.00	5.79	0.00	4.60	0.72	12.70	9.22	0.52	0.00	3.68	0.00

MPD Data


MPD Summary for US67NB
LMPD
RMPD
MPD(mm)
Plot Area
Mileage(mile)


Left MPD Histogram for US67NB
Frequency(Left MPD)
Cumulative %
Frequency
1.21
1.90
2.58
3.27
3.96
4.65
5.34
6.03
6.71
7.40
More
Left MPD Bin(mm)


Right MPD Histogram for US67NB
Frequency(Right MPD)
Cumulative %
Frequency
1.02
1.81
2.60
3.39
4.17
4.96
5.75
6.54
7.33
8.11
More
Right MPD Bin(mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	0 / 0	0 / 1365	2.42	1.968
0.1	70 / 819	71 / 136	2.905	1.782
0.2	140 / 1638	141 / 955	1.811	1.56
0.3	211 / 409	211 / 1774	2.366	1.734
0.4	281 / 1228	282 / 545	2.347	1.716
0.5	351 / 2047	352 / 1364	2.637	1.809
0.6	422 / 818	423 / 135	2.568	1.735
0.7	492 / 1637	493 / 954	2.289	1.824
0.8	563 / 408	563 / 1773	2.798	1.803
0.9	633 / 1227	634 / 544	2.448	2.197
1	703 / 2046	704 / 1363	2.506	2.002
1.1	774 / 817	775 / 134	2.178	1.702
1.2	844 / 1636	845 / 953	2.129	1.687
1.3	915 / 407	915 / 1772	2.114	1.535
1.4	985 / 1226	986 / 543	2.063	1.723
1.5	1055 / 2045	1056 / 1362	2.138	1.553
1.6	1126 / 816	1127 / 133	2.072	1.666
1.7	1196 / 1635	1197 / 952	2.004	1.603
1.8	1267 / 406	1267 / 1771	2.054	1.662
1.9	1337 / 1225	1338 / 542	2.062	1.618
2	1407 / 2044	1408 / 1361	2.087	1.735
2.1	1478 / 815	1479 / 132	2.244	1.71
2.2	1548 / 1634	1549 / 951	2.049	1.61
2.3	1619 / 405	1619 / 1770	2.329	1.746
2.4	1689 / 1224	1690 / 541	4.309	2.215
2.5	1759 / 2043	1760 / 1360	4.659	2.41
2.6	1830 / 814	1831 / 131	5.997	2.428
2.7	1900 / 1633	1901 / 950	4.677	2.39
2.8	1971 / 404	1971 / 1769	2.851	2.047
2.9	2041 / 1223	2042 / 540	2.019	1.622
3	2111 / 2042	2112 / 1359	2.616	2.376
3.1	2182 / 813	2183 / 130	3.559	2.421
3.2	2252 / 1632	2253 / 949	3.116	2.195
3.3	2323 / 403	2323 / 1768	3.215	2.824
3.4	2393 / 1222	2394 / 539	2.35	1.731
3.5	2463 / 2041	2464 / 1358	2.305	1.961
3.6	2534 / 812	2535 / 129	2.018	1.856
3.7	2604 / 1631	2605 / 948	2.03	1.762
3.8	2675 / 402	2675 / 1767	2.527	1.674
3.9	2745 / 1221	2746 / 538	1.979	1.437
4	2815 / 2040	2816 / 1357	1.849	1.54

4.1	2886 / 811	2887 / 128	2.278	2.156
4.2	2956 / 1630	2957 / 947	1.806	1.601
4.3	3027 / 401	3027 / 1766	1.729	1.18
4.4	3097 / 1220	3098 / 537	1.774	1.317
4.5	3167 / 2039	3168 / 1356	3.845	2.695
4.6	3238 / 810	3239 / 127	3.494	2.106
4.7	3308 / 1629	3309 / 946	5.184	4.389
4.8	3379 / 400	3379 / 1765	3.229	2.403
4.9	3449 / 1219	3450 / 536	4.479	2.647
5	3519 / 2038	3520 / 1355	3.411	2.17
5.1	3590 / 809	3591 / 126	4.233	2.653
5.2	3660 / 1628	3661 / 945	7.403	4.579
5.3	3731 / 399	3731 / 1764	1.757	1.458
5.4	3801 / 1218	3802 / 535	2.711	2.073
5.5	3871 / 2037	3872 / 1354	4.729	3.215
5.6	3942 / 808	3943 / 125	2.932	2.394
5.7	4012 / 1627	4013 / 944	2.466	2.098
5.8	4083 / 398	4083 / 1763	1.758	1.535
5.9	4153 / 1217	4154 / 534	1.86	2.562
6	4223 / 2036	4224 / 1353	1.516	2.082
6.1	4294 / 807	4295 / 124	3.9	3.28
6.2	4364 / 1626	4365 / 943	3.451	2.655
6.3	4435 / 397	4435 / 1762	1.663	2.051
6.4	4505 / 1216	4506 / 533	1.753	1.929
6.5	4575 / 2035	4576 / 1352	1.732	1.629
6.6	4646 / 806	4647 / 123	1.508	1.586
6.7	4716 / 1625	4717 / 942	1.65	1.223
6.8	4787 / 396	4787 / 1761	1.663	1.282
6.9	4857 / 1215	4858 / 532	1.514	1.405
7	4927 / 2034	4928 / 1351	2.082	2.714
7.1	4998 / 805	4999 / 122	2.467	1.759
7.2	5068 / 1624	5069 / 941	1.557	1.292
7.3	5139 / 395	5139 / 1760	2.061	1.529
7.4	5209 / 1214	5210 / 531	1.713	1.309
7.5	5279 / 2033	5280 / 1350	1.654	1.347
7.6	5350 / 804	5351 / 121	2.245	1.575
7.7	5420 / 1623	5421 / 940	2.738	1.692
7.8	5491 / 394	5491 / 1759	1.67	1.307
7.9	5561 / 1213	5562 / 530	1.769	1.435
8	5631 / 2032	5632 / 1349	1.702	1.317
8.1	5702 / 803	5703 / 120	1.765	1.231
8.2	5772 / 1622	5773 / 939	1.864	1.447
8.3	5843 / 393	5843 / 1758	1.575	1.388

8.4	5913 / 1212	5914 / 529	1.854	1.449
8.5	5983 / 2031	5984 / 1348	1.715	1.32
8.6	6054 / 802	6055 / 119	2.009	1.716
8.7	6124 / 1621	6125 / 938	1.68	1.2
8.8	6195 / 392	6195 / 1757	4.111	2.332
8.9	6265 / 1211	6266 / 528	1.862	1.391
9	6335 / 2030	6336 / 1347	2.999	1.907
9.1	6406 / 801	6407 / 118	2.724	1.896
9.2	6476 / 1620	6477 / 937	1.3	1.107
9.3	6547 / 391	6547 / 1756	2.141	1.445
9.4	6617 / 1210	6618 / 527	1.583	1.124
9.5	6687 / 2029	6688 / 1346	2.517	1.452
9.6	6758 / 800	6759 / 117	1.694	1.384
9.7	6828 / 1619	6829 / 936	1.947	1.452
9.8	6899 / 390	6899 / 1755	1.331	1.081
9.9	6969 / 1209	6970 / 526	1.441	1.024
10	7039 / 2028	7040 / 1345	1.743	1.32
10.1	7110 / 799	7111 / 116	1.484	1.152
10.2	0 / 0	0 / 1365	1.622	1.344
10.3	70 / 819	71 / 136	1.42	1.453
10.4	140 / 1638	141 / 955	1.711	1.29
10.5	211 / 409	211 / 1774	1.447	1.202
10.6	281 / 1228	282 / 545	1.37	1.021
10.7	351 / 2047	352 / 1364	1.641	1.284
10.8	422 / 818	423 / 135	1.979	1.662
10.9	492 / 1637	493 / 954	1.693	1.407
11	563 / 408	563 / 1773	1.464	1.315
11.1	633 / 1227	634 / 544	1.467	1.106
11.2	703 / 2046	704 / 1363	1.333	1.133
11.3	774 / 817	775 / 134	1.64	1.346
11.4	844 / 1636	845 / 953	1.742	1.367
11.5	915 / 407	915 / 1772	1.472	1.214
11.6	985 / 1226	986 / 543	1.722	1.783
11.7	1055 / 2045	1056 / 1362	1.207	1.305
11.8	1126 / 816	1127 / 133	2.469	3.681
11.9	1196 / 1635	1197 / 952	2.752	2.258
12	1267 / 406	1267 / 1771	1.722	2.211
12.1	1337 / 1225	1338 / 542	3.11	2.905
12.2	1407 / 2044	1408 / 1361	3.662	2.918
12.3	1478 / 815	1479 / 132	2.355	1.73
12.4	1548 / 1634	1549 / 951	2.535	2.107
12.5	1619 / 405	1619 / 1770	1.769	1.359
12.6	1689 / 1224	1690 / 541	2.295	1.882

12.7	1759 / 2043	1760 / 1360	1.647	1.058
12.8	1830 / 814	1831 / 131	1.824	1.21
12.9	1900 / 1633	1901 / 950	2.242	1.482
13	1971 / 404	1971 / 1769	1.911	2.026
13.1	2041 / 1223	2042 / 540	1.447	1.173
13.2	2111 / 2042	2112 / 1359	1.825	1.849
13.3	2182 / 813	2183 / 130	1.681	1.268
13.4	2252 / 1632	2253 / 949	1.509	1.153
13.5	2323 / 403	2323 / 1768	1.753	1.353
13.6	2393 / 1222	2394 / 539	1.635	1.345
13.7	2463 / 2041	2464 / 1358	1.757	1.286
13.8	2534 / 812	2535 / 129	2.027	1.787
13.9	2604 / 1631	2605 / 948	1.481	1.168
14	2675 / 402	2675 / 1767	1.489	1.175
14.1	2745 / 1221	2746 / 538	1.417	1.231
14.2	2815 / 2040	2816 / 1357	1.502	1.229
14.3	2886 / 811	2887 / 128	1.664	1.3
14.4	2956 / 1630	2957 / 947	1.59	1.334
14.5	3027 / 401	3027 / 1766	1.62	1.346
14.6	3097 / 1220	3098 / 537	1.818	2.381
14.7	3167 / 2039	3168 / 1356	1.631	3.488
14.8	3238 / 810	3239 / 127	1.863	4.118
14.9	3308 / 1629	3309 / 946	4.791	3.492
15	3379 / 400	3379 / 1765	7.224	3.577
15.1	3449 / 1219	3450 / 536	4.132	3.003
15.2	3519 / 2038	3520 / 1355	2.651	1.733
15.3	3590 / 809	3591 / 126	4.889	4.469
15.4	3660 / 1628	3661 / 945	4.49	3.722
15.5	3731 / 399	3731 / 1764	4.671	2.001
15.6	3801 / 1218	3802 / 535	4.563	1.737
15.7	3871 / 2037	3872 / 1354	6.578	2.984
15.8	3942 / 808	3943 / 125	4.512	2.542
15.9	4012 / 1627	4013 / 944	7.187	2.759
16	4083 / 398	4083 / 1763	5.879	3.036
16.1	4153 / 1217	4154 / 534	2.345	1.849
16.2	4223 / 2036	4224 / 1353	2.275	1.881
16.3	4294 / 807	4295 / 124	2.281	1.88
16.4	4364 / 1626	4365 / 943	1.977	2.528
16.5	4435 / 397	4435 / 1762	2.132	1.86
16.6	4505 / 1216	4506 / 533	1.631	2.006
16.7	4575 / 2035	4576 / 1352	1.937	1.823
16.8	4646 / 806	4647 / 123	2.293	2.024
16.9	4716 / 1625	4717 / 942	2.004	1.641

17	4787 / 396	4787 / 1761	2.191	1.856
17.1	4857 / 1215	4858 / 532	2.04	1.868
17.2	4927 / 2034	4928 / 1351	2.069	1.78
17.3	4998 / 805	4999 / 122	2.243	1.964
17.4	5068 / 1624	5069 / 941	2.332	1.873
17.5	5139 / 395	5139 / 1760	2.33	1.924
17.6	5209 / 1214	5210 / 531	2.385	2.213
17.7	5279 / 2033	5280 / 1350	2.319	1.97
17.8	5350 / 804	5351 / 121	2.458	2.207
17.9	5420 / 1623	5421 / 940	2.488	2.145
18	5491 / 394	5491 / 1759	2.652	2.05
18.1	5561 / 1213	5562 / 530	2.454	1.997
18.2	5631 / 2032	5632 / 1349	2.236	1.764
18.3	5702 / 803	5703 / 120	2.199	1.921
18.4	5772 / 1622	5773 / 939	2.329	1.805
18.5	5843 / 393	5843 / 1758	2.123	1.798
18.6	5913 / 1212	5914 / 529	1.966	1.609
18.7	5983 / 2031	5984 / 1348	1.971	1.581
18.8	6054 / 802	6055 / 119	2.931	2.527
18.9	6124 / 1621	6125 / 938	2.009	1.538
19	6195 / 392	6195 / 1757	2.114	1.911
19.1	6265 / 1211	6266 / 528	2.297	2.214
19.2	6335 / 2030	6336 / 1347	2.619	2.915
19.3	6406 / 801	6407 / 118	2.162	2.294
19.4	6476 / 1620	6477 / 937	2.157	1.637
19.5	6547 / 391	6547 / 1756	1.938	1.554
19.6	6617 / 1210	6618 / 527	2.805	1.387
19.7	6687 / 2029	6688 / 1346	2.091	1.696
19.8	6758 / 800	6759 / 117	2.218	2.295
19.9	6828 / 1619	6829 / 936	1.956	1.727
20	6899 / 390	6899 / 1755	2.051	1.68
20.1	6969 / 1209	6970 / 526	2.15	1.622
20.2	7039 / 2028	7040 / 1345	2.206	1.673
20.3	7110 / 799	7111 / 116	2.147	1.658
20.4	7180 / 1618	7181 / 935	2.207	1.611
20.5	7251 / 389	7251 / 1754	1.983	1.526
20.6	7321 / 1208	7322 / 525	1.849	1.7
20.7	7391 / 2027	7392 / 1344	2.018	1.631
20.8	7462 / 798	7463 / 115	1.912	1.561
20.9	7532 / 1617	7533 / 934	1.993	1.707
21	7603 / 388	7603 / 1753	2.168	1.654
21.1	7673 / 1207	7674 / 524	1.989	1.549
21.2	7743 / 2026	7744 / 1343	2.045	1.602

21.3	7814 / 797	7815 / 114	2.156	1.599
21.4	7884 / 1616	7885 / 933	2.098	1.652
21.5	7955 / 387	7955 / 1752	1.935	1.54
21.6	8025 / 1206	8026 / 523	1.95	1.573
21.7	8095 / 2025	8096 / 1342	2.128	1.668
21.8	8166 / 796	8167 / 113	2.041	1.572
21.9	8236 / 1615	8237 / 932	2.173	1.699
22	8307 / 386	8307 / 1751	2.032	1.582
22.1	8377 / 1205	8378 / 522	2.108	1.675
22.2	8447 / 2024	8448 / 1341	2.022	1.761
22.3	8518 / 795	8519 / 112	2.043	1.739
22.4	8588 / 1614	8589 / 931	2.065	1.763
22.5	8659 / 385	8659 / 1750	2.998	1.948
22.6	8729 / 1204	8730 / 521	3.149	2.354
22.7	8799 / 2023	8800 / 1340	2.706	2.37
22.8	8870 / 794	8871 / 111	2.378	2.147
22.9	8940 / 1613	8941 / 930	1.938	1.876
23	9011 / 384	9011 / 1749	2.112	1.644
23.1	9081 / 1203	9082 / 520	2.081	1.665
23.2	9151 / 2022	9152 / 1339	2.122	1.597
23.3	9222 / 793	9223 / 110	2.096	1.611
23.4	9292 / 1612	9293 / 929	2.803	1.786
23.5	9363 / 383	9363 / 1748	2.038	1.544
23.6	9433 / 1202	9434 / 519	2.238	1.693
23.7	9503 / 2021	9504 / 1338	2.06	1.7
23.8	9574 / 792	9575 / 109	2.27	1.69
23.9	9644 / 1611	9645 / 928	1.797	1.576
24	9715 / 382	9715 / 1747	1.996	1.6
24.1	9785 / 1201	9786 / 518	2.187	1.506
24.2	9855 / 2020	9856 / 1337	1.978	1.63
24.3	9926 / 791	9927 / 108	1.982	1.623
24.4	9996 / 1610	9997 / 927	2.173	1.951
24.5	10067 / 381	10067 / 1746	2.152	1.786
24.6	10137 / 1200	10138 / 517	2.772	2.168
24.7	10207 / 2019	10208 / 1336	3.976	3.101
24.8	10278 / 790	10279 / 107	3.647	2.275
24.9	10348 / 1609	10349 / 926	3.637	3.203
25	10419 / 380	10419 / 1745	3.062	3.426
25.1	10489 / 1199	10490 / 516	3.945	3.006
25.2	10559 / 2018	10560 / 1335	3.894	3.273
25.3	10630 / 789	10631 / 106	3.715	2.936
25.4	10700 / 1608	10701 / 925	4.017	2.955
25.5	10771 / 379	10771 / 1744	3.85	2.831

25.6	10841 / 1198	10842 / 515	3.573	2.912
25.7	10911 / 2017	10912 / 1334	3.435	2.84
25.8	10982 / 788	10983 / 105	3.703	2.995
25.9	11052 / 1607	11053 / 924	3.65	2.722
26	11123 / 378	11123 / 1743	3.504	2.841
26.1	11193 / 1197	11194 / 514	3.516	3.174
26.2	11263 / 2016	11264 / 1333	2.805	2.325
26.3	11334 / 787	11335 / 104	2.608	2.191
26.4	11404 / 1606	11405 / 923	2.522	2.185
26.5	11475 / 377	11475 / 1742	2.632	2.121
26.6	11545 / 1196	11546 / 513	2.632	2.216
26.7	11615 / 2015	11616 / 1332	2.666	2.127
26.8	11686 / 786	11687 / 103	3.999	2.641
26.9	11756 / 1605	11757 / 922	3.694	2.273
27	11827 / 376	11827 / 1741	3.146	2.352
27.1	11897 / 1195	11898 / 512	3.15	2.544
27.2	11967 / 2014	11968 / 1331	2.997	3.027
27.3	12038 / 785	12039 / 102	3.589	2.442
27.4	12108 / 1604	12109 / 921	3.238	2.554
27.5	12179 / 375	12179 / 1740	3.299	2.395
27.6	12249 / 1194	12250 / 511	3.227	2.444
27.7	12319 / 2013	12320 / 1330	3.035	2.51
27.8	12390 / 784	12391 / 101	3.137	2.467
27.9	12460 / 1603	12461 / 920	3.213	2.546
28	12531 / 374	12531 / 1739	3.33	2.336
28.1	12601 / 1193	12602 / 510	2.403	1.893
28.2	12671 / 2012	12672 / 1329	2.303	2.023
28.3	12742 / 783	12743 / 100	2.058	1.846
28.4	12812 / 1602	12813 / 919	2.079	2.045
28.5	12883 / 373	12883 / 1738	2.256	1.973
28.6	12953 / 1192	12954 / 509	2.244	1.917
28.7	13023 / 2011	13024 / 1328	2.336	1.897
28.8	13094 / 782	13095 / 99	2.353	1.918
28.9	13164 / 1601	13165 / 918	2.316	1.862
29	13235 / 372	13235 / 1737	2.636	2.143
29.1	13305 / 1191	13306 / 508	2.411	2.054
29.2	13375 / 2010	13376 / 1327	2.691	2.198
29.3	13446 / 781	13447 / 98	2.71	1.997
29.4	13516 / 1600	13517 / 917	2.56	1.804
29.5	13587 / 371	13587 / 1736	2.729	1.844
29.6	13657 / 1190	13658 / 507	2.514	1.904
29.7	13727 / 2009	13728 / 1326	2.87	2.21
29.8	13798 / 780	13799 / 97	2.318	1.887

29.9	13868 / 1599	13869 / 916	2.477	1.854
30	13939 / 370	13939 / 1735	2.565	1.966
30.1	14009 / 1189	14010 / 506	2.543	1.932
30.2	14079 / 2008	14080 / 1325	2.49	1.916
30.3	14150 / 779	14151 / 96	2.32	1.847
30.4	14220 / 1598	14221 / 915	2.443	1.842
30.5	14291 / 369	14291 / 1734	2.336	2.108
30.6	14361 / 1188	14362 / 505	2.366	1.848
30.7	14431 / 2007	14432 / 1324	2.506	1.785
30.8	14502 / 778	14503 / 95	2.007	2.055
30.9	14572 / 1597	14573 / 914	2.08	1.687
31	14643 / 368	14643 / 1733	2.372	1.583
31.1	14713 / 1187	14714 / 504	2.507	1.77
31.2	14783 / 2006	14784 / 1323	2.223	1.646
31.3	14854 / 777	14855 / 94	1.984	1.637
31.4	14924 / 1596	14925 / 913	2.224	1.592
31.5	14995 / 367	14995 / 1732	2.191	1.72
31.6	15065 / 1186	15066 / 503	2.326	1.853
31.7	15135 / 2005	15136 / 1322	2.089	1.769
31.8	15206 / 776	15207 / 93	2.506	1.7
31.9	15276 / 1595	15277 / 912	2.88	1.983
32	15347 / 366	15347 / 1731	3.478	1.876
32.1	15417 / 1185	15418 / 502	2.608	1.64
32.2	15487 / 2004	15488 / 1321	2.794	1.775
32.3	15558 / 775	15559 / 92	2.89	1.923
32.4	15628 / 1594	15629 / 911	2.623	1.947
32.5	15699 / 365	15699 / 1730	2.297	1.918
32.6	15769 / 1184	15770 / 501	1.974	1.673
32.7	15839 / 2003	15840 / 1320	2.177	1.58
32.8	15910 / 774	15911 / 91	2.757	1.717
32.9	15980 / 1593	15981 / 910	2.205	1.835
33	16051 / 364	16051 / 1729	3.746	2.196
33.1	16121 / 1183	16122 / 500	2.429	1.799
33.2	16191 / 2002	16192 / 1319	2.392	1.996
33.3	16262 / 773	16263 / 90	2.997	2.163
33.4	16332 / 1592	16333 / 909	3.372	1.942
33.5	16403 / 363	16403 / 1728	2.327	1.808
33.6	16473 / 1182	16474 / 499	2.612	1.946
33.7	16543 / 2001	16544 / 1318	2.217	2.1
33.8	16614 / 772	16615 / 89	2.296	1.952
33.9	16684 / 1591	16685 / 908	2.256	1.884
34	16755 / 362	16755 / 1727	2.907	1.767
34.1	16825 / 1181	16826 / 498	2.056	1.817

34.2	16895 / 2000	16896 / 1317	1.961	1.509
34.3	16966 / 771	16967 / 88	1.731	1.803
34.4	17036 / 1590	17037 / 907	2.07	1.731
34.5	17107 / 361	17107 / 1726	2.062	1.699
34.6	17177 / 1180	17178 / 497	2.158	1.694
34.7	17247 / 1999	17248 / 1316	1.996	1.671
34.8	17318 / 770	17319 / 87	2.189	1.971
34.9	17388 / 1589	17389 / 906	2.608	2.139
35	17459 / 360	17459 / 1725	2.345	1.976
35.1	17529 / 1179	17530 / 496	2.794	2.079
35.2	17599 / 1998	17600 / 1315	2.344	1.915
35.3	17670 / 769	17671 / 86	2.532	1.999
35.4	17740 / 1588	17741 / 905	2.512	2.017
35.5	17811 / 359	17811 / 1724	2.253	1.725
35.6	17881 / 1178	17882 / 495	2.258	1.73
35.7	17951 / 1997	17952 / 1314	2.407	2.075
35.8	18022 / 768	18023 / 85	2.381	2.07
35.9	18092 / 1587	18093 / 904	3.124	2.267
36	18163 / 358	18163 / 1723	3.62	2.52
36.1	18233 / 1177	18234 / 494	2.503	2.091
36.2	18303 / 1996	18304 / 1313	2.472	2.095
36.3	18374 / 767	18375 / 84	2.442	2.157
36.4	18444 / 1586	18445 / 903	2.5	2.068
36.5	18515 / 357	18515 / 1722	2.466	2.143
36.6	18585 / 1176	18586 / 493	2.574	2.079
36.7	18655 / 1995	18656 / 1312	2.475	2.051
36.8	18726 / 766	18727 / 83	2.408	1.905
36.9	18796 / 1585	18797 / 902	2.427	1.986
37	18867 / 356	18867 / 1721	2.476	2.087
37.1	18937 / 1175	18938 / 492	2.551	2.158
37.2	19007 / 1994	19008 / 1311	2.443	2.081
37.3	19078 / 765	19079 / 82	2.784	2.284
37.4	19148 / 1584	19149 / 901	3.735	2.727
37.5	19219 / 355	19219 / 1720	4.11	2.736
37.6	19289 / 1174	19290 / 491	2.741	2.737
37.7	19359 / 1993	19360 / 1310	2.818	2.619
37.8	19430 / 764	19431 / 81	2.689	2.78
37.9	19500 / 1583	19501 / 900	2.628	2.751
38	19571 / 354	19571 / 1719	2.714	2.708
38.1	19641 / 1173	19642 / 490	2.945	1.619
38.2	19711 / 1992	19712 / 1309	2.666	1.796
38.3	19782 / 763	19783 / 80	6.242	3.018
38.4	19852 / 1582	19853 / 899	5.396	2.936

38.5	19923 / 353	19923 / 1718	1.988	1.599
38.6	19993 / 1172	19994 / 489	2.168	1.689
38.7	20063 / 1991	20064 / 1308	6.858	4.876
38.8	20134 / 762	20135 / 79	5.884	3.03
38.9	20204 / 1581	20205 / 898	1.382	1.127
39	20275 / 352	20275 / 1717	3.144	1.803
39.1	20345 / 1171	20346 / 488	3.329	2.592
39.2	20415 / 1990	20416 / 1307	2.948	2.31
39.3	20486 / 761	20487 / 78	2.251	1.997
39.4	20556 / 1580	20557 / 897	2.595	2.072
39.5	20627 / 351	20627 / 1716	2.357	1.952
39.6	20697 / 1170	20698 / 487	2.406	2.063
39.7	20767 / 1989	20768 / 1306	2.49	2.047
39.8	20838 / 760	20839 / 77	2.458	2.087
39.9	20908 / 1579	20909 / 896	2.498	2.124
40	20979 / 350	20979 / 1715	2.351	2.092
40.1	21049 / 1169	21050 / 486	2.257	1.812
40.2	21119 / 1988	21120 / 1305	2.267	1.713
40.3	21190 / 759	21191 / 76	2.347	1.818
40.4	21260 / 1578	21261 / 895	2.773	2.052
40.5	21331 / 349	21331 / 1714	3.924	2.345
40.6	21401 / 1168	21402 / 485	2.983	2.121
40.7	21471 / 1987	21472 / 1304	3.136	2.047
40.8	21542 / 758	21543 / 75	4.065	2.304
40.9	21612 / 1577	21613 / 894	3.135	2.281
41	21683 / 348	21683 / 1713	3.472	2.357
41.1	21753 / 1167	21754 / 484	3.344	2.387
41.2	21823 / 1986	21824 / 1303	3.285	2.115
41.3	21894 / 757	21895 / 74	3.36	2.465
41.4	21964 / 1576	21965 / 893	3.584	2.368
41.5	22035 / 347	22035 / 1712	3.663	2.389
41.6	22105 / 1166	22106 / 483	1.989	1.533
41.7	22175 / 1985	22176 / 1302	2.1	1.603
41.8	22246 / 756	22247 / 73	1.87	1.472
41.9	22316 / 1575	22317 / 892	2.001	1.537
42	22387 / 346	22387 / 1711	1.92	1.53
42.1	22457 / 1165	22458 / 482	1.962	1.485
42.2	22527 / 1984	22528 / 1301	1.952	1.492
42.3	22598 / 755	22599 / 72	1.952	1.563
42.4	22668 / 1574	22669 / 891	2.211	1.794
42.5	22739 / 345	22739 / 1710	1.911	1.58
42.6	22809 / 1164	22810 / 481	2.074	1.584
42.7	22879 / 1983	22880 / 1300	2.204	1.65

42.8	22950 / 754	22951 / 71	2.143	1.816
42.9	23020 / 1573	23021 / 890	2.209	1.905
43	23091 / 344	23091 / 1709	2.453	1.611
43.1	23161 / 1163	23162 / 480	2.487	1.738
43.2	23231 / 1982	23232 / 1299	1.987	1.591
43.3	23302 / 753	23303 / 70	1.762	2.253
43.4	23372 / 1572	23373 / 889	1.989	1.673
43.5	23443 / 343	23443 / 1708	1.878	1.68
43.6	23513 / 1162	23514 / 479	1.876	1.448
43.7	23583 / 1981	23584 / 1298	2.339	1.663
43.8	0 / 0	0 / 1365	1.992	1.69
43.9	70 / 819	71 / 136	1.804	1.624
44	140 / 1638	141 / 955	2	1.607
44.1	211 / 409	211 / 1774	1.923	1.659
44.2	281 / 1228	282 / 545	2.132	1.715
44.3	351 / 2047	352 / 1364	1.965	1.599
44.4	422 / 818	423 / 135	1.848	1.607
44.5	492 / 1637	493 / 954	1.696	1.405
44.6	563 / 408	563 / 1773	1.734	1.519
44.7	633 / 1227	634 / 544	1.874	1.616
44.8	703 / 2046	704 / 1363	1.979	1.645
44.9	774 / 817	775 / 134	1.908	1.606
45	844 / 1636	845 / 953	1.77	1.585
45.1	915 / 407	915 / 1772	1.892	3.014
45.2	985 / 1226	986 / 543	1.813	1.688
45.3	1055 / 2045	1056 / 1362	1.798	1.712
45.4	1126 / 816	1127 / 133	1.798	1.746
45.5	1196 / 1635	1197 / 952	1.812	1.651
45.6	1267 / 406	1267 / 1771	1.873	1.558
45.7	1337 / 1225	1338 / 542	1.785	1.537
45.8	1407 / 2044	1408 / 1361	1.859	1.661
45.9	1478 / 815	1479 / 132	1.876	1.51
46	1548 / 1634	1549 / 951	1.885	1.572
46.1	1619 / 405	1619 / 1770	1.726	1.546
46.2	1689 / 1224	1690 / 541	1.786	1.396
46.3	1759 / 2043	1760 / 1360	1.718	1.49
46.4	1830 / 814	1831 / 131	1.696	1.524
46.5	1900 / 1633	1901 / 950	1.804	1.511
46.6	1971 / 404	1971 / 1769	1.793	1.54
46.7	2041 / 1223	2042 / 540	1.781	1.529
46.8	2111 / 2042	2112 / 1359	1.787	1.576
46.9	2182 / 813	2183 / 130	1.782	1.604
47	2252 / 1632	2253 / 949	1.796	1.517

47.1	2323 / 403	2323 / 1768	1.791	1.593
47.2	2393 / 1222	2394 / 539	1.804	1.56
47.3	2463 / 2041	2464 / 1358	1.757	1.496
47.4	2534 / 812	2535 / 129	1.731	1.457
47.5	2604 / 1631	2605 / 948	1.822	1.558
47.6	2675 / 402	2675 / 1767	1.575	1.353
47.7	2745 / 1221	2746 / 538	1.6	1.384
47.8	2815 / 2040	2816 / 1357	1.81	1.446
47.9	2886 / 811	2887 / 128	1.797	1.54
48	2956 / 1630	2957 / 947	2.025	1.577
48.1	3027 / 401	3027 / 1766	1.999	1.541
48.2	3097 / 1220	3098 / 537	2.821	2.068
48.3	3167 / 2039	3168 / 1356	3.478	2.216
48.4	3238 / 810	3239 / 127	3.056	2.259
48.5	3308 / 1629	3309 / 946	2.713	2.065
48.6	3379 / 400	3379 / 1765	3.313	2.084
48.7	3449 / 1219	3450 / 536	3.101	2.168
48.8	3519 / 2038	3520 / 1355	2.721	2.152
48.9	3590 / 809	3591 / 126	3.368	2.236
49	3660 / 1628	3661 / 945	3.849	2.494
49.1	3731 / 399	3731 / 1764	3.299	2.111
49.2	3801 / 1218	3802 / 535	3.839	2.514
49.3	3871 / 2037	3872 / 1354	4.404	2.514
49.4	3942 / 808	3943 / 125	4.327	2.524
49.5	4012 / 1627	4013 / 944	2.512	1.782
49.6	4083 / 398	4083 / 1763	2.499	1.896
49.7	4153 / 1217	4154 / 534	2.793	2.145
49.8	4223 / 2036	4224 / 1353	2.42	1.823
49.9	4294 / 807	4295 / 124	2.901	1.879
50	4364 / 1626	4365 / 943	2.532	1.786
50.1	4435 / 397	4435 / 1762	2.638	1.889
50.2	4505 / 1216	4506 / 533	2.568	1.981
50.3	4575 / 2035	4576 / 1352	2.908	1.863
50.4	4646 / 806	4647 / 123	2.739	2.109
50.5	4716 / 1625	4717 / 942	3.095	1.958
50.6	4787 / 396	4787 / 1761	2.2	1.729
50.7	4857 / 1215	4858 / 532	2.389	1.8
50.8	4927 / 2034	4928 / 1351	2.102	1.756
50.9	4998 / 805	4999 / 122	2.052	2.264
51	5068 / 1624	5069 / 941	2.298	1.757
51.1	5139 / 395	5139 / 1760	2.051	1.771
51.2	5209 / 1214	5210 / 531	2.277	1.709
51.3	5279 / 2033	5280 / 1350	2.09	1.731

51.4	5350 / 804	5351 / 121	2.078	1.74
51.5	5420 / 1623	5421 / 940	2.17	1.779
51.6	5491 / 394	5491 / 1759	1.9	1.576
51.7	5561 / 1213	5562 / 530	2.136	1.674
51.8	5631 / 2032	5632 / 1349	2.068	1.722
51.9	5702 / 803	5703 / 120	2.089	1.793
52	5772 / 1622	5773 / 939	2.041	1.696
52.1	5843 / 393	5843 / 1758	2.045	1.725
52.2	5913 / 1212	5914 / 529	2.169	1.739
52.3	5983 / 2031	5984 / 1348	2.013	1.901
52.4	6054 / 802	6055 / 119	2.032	1.702
52.5	6124 / 1621	6125 / 938	1.945	1.752
52.6	6195 / 392	6195 / 1757	2.084	1.821
52.7	6265 / 1211	6266 / 528	2.264	1.857
52.8	6335 / 2030	6336 / 1347	2.014	1.729
52.9	6406 / 801	6407 / 118	2.059	1.828
53	6476 / 1620	6477 / 937	2.367	1.86
53.1	6547 / 391	6547 / 1756	2.904	1.999
53.2	6617 / 1210	6618 / 527	2.414	1.833
53.3	6687 / 2029	6688 / 1346	2.916	1.998
53.4	6758 / 800	6759 / 117	2.989	2.084
53.5	6828 / 1619	6829 / 936	2.596	2.033
53.6	6899 / 390	6899 / 1755	2.337	1.932
53.7	6969 / 1209	6970 / 526	2.76	2.031
53.8	7039 / 2028	7040 / 1345	2.645	1.905
53.9	7110 / 799	7111 / 116	3.027	2.015
54	7180 / 1618	7181 / 935	2.154	1.784
54.1	7251 / 389	7251 / 1754	2.246	2.038
54.2	7321 / 1208	7322 / 525	2.178	1.753
54.3	7391 / 2027	7392 / 1344	2.564	2.119
54.4	7462 / 798	7463 / 115	2.377	1.86
54.5	7532 / 1617	7533 / 934	2.207	2.11
54.6	7603 / 388	7603 / 1753	2.26	1.866
54.7	7673 / 1207	7674 / 524	2.84	2.459
54.8	7743 / 2026	7744 / 1343	2.125	1.88
54.9	7814 / 797	7815 / 114	2.17	1.788
55	7884 / 1616	7885 / 933	2.343	2.062
55.1	7955 / 387	7955 / 1752	2.231	2.004
55.2	8025 / 1206	8026 / 523	2.223	1.97
55.3	8095 / 2025	8096 / 1342	2.232	2.055
55.4	8166 / 796	8167 / 113	2.205	1.855
55.5	8236 / 1615	8237 / 932	2.303	1.803
55.6	8307 / 386	8307 / 1751	2.775	2.685

55.7	8377 / 1205	8378 / 522	3.051	2.999
55.8	8447 / 2024	8448 / 1341	2.937	3.184
55.9	8518 / 795	8519 / 112	2.09	1.635
56	8588 / 1614	8589 / 931	2.093	1.737
56.1	8659 / 385	8659 / 1750	2.233	1.681
56.2	8729 / 1204	8730 / 521	2.006	1.556
56.3	8799 / 2023	8800 / 1340	2.194	1.358
56.4	8870 / 794	8871 / 111	2.1	1.61
56.5	8940 / 1613	8941 / 930	2.019	1.391
56.6	9011 / 384	9011 / 1749	2.179	1.515
56.7	9081 / 1203	9082 / 520	1.955	1.466
56.8	9151 / 2022	9152 / 1339	1.994	1.523
56.9	9222 / 793	9223 / 110	2.054	1.569
57	9292 / 1612	9293 / 929	2.056	1.677
57.1	9363 / 383	9363 / 1748	2.092	1.504
57.2	9433 / 1202	9434 / 519	1.966	1.502
57.3	9503 / 2021	9504 / 1338	1.798	1.411
57.4	9574 / 792	9575 / 109	1.867	1.588
57.5	9644 / 1611	9645 / 928	2.083	1.666
57.6	9715 / 382	9715 / 1747	2.115	1.6
57.7	9785 / 1201	9786 / 518	2.101	1.571
57.8	9855 / 2020	9856 / 1337	2.217	1.668
57.9	9926 / 791	9927 / 108	2.095	1.481
58	9996 / 1610	9997 / 927	2.094	1.441
58.1	10067 / 381	10067 / 1746	2.165	1.5
58.2	10137 / 1200	10138 / 517	2.13	1.728
58.3	10207 / 2019	10208 / 1336	2.069	1.675
58.4	10278 / 790	10279 / 107	2.11	1.683
58.5	10348 / 1609	10349 / 926	2.06	1.577
58.6	10419 / 380	10419 / 1745	2.053	1.647
58.7	10489 / 1199	10490 / 516	2.152	1.557
58.8	10559 / 2018	10560 / 1335	2.043	1.626
58.9	10630 / 789	10631 / 106	2.086	1.7
59	10700 / 1608	10701 / 925	2.054	1.678
59.1	10771 / 379	10771 / 1744	2.156	1.559
59.2	10841 / 1198	10842 / 515	2.241	1.672
59.3	10911 / 2017	10912 / 1334	2.061	1.589
59.4	10982 / 788	10983 / 105	2.033	1.746
59.5	11052 / 1607	11053 / 924	2.186	1.77
59.6	11123 / 378	11123 / 1743	2.138	1.723
59.7	11193 / 1197	11194 / 514	1.961	1.68
59.8	11263 / 2016	11264 / 1333	2.176	1.859
59.9	11334 / 787	11335 / 104	2.142	1.721

60	11404 / 1606	11405 / 923	2.041	1.712
60.1	11475 / 377	11475 / 1742	2.251	1.708
60.2	11545 / 1196	11546 / 513	2.267	1.771
60.3	11615 / 2015	11616 / 1332	2.125	1.753
60.4	11686 / 786	11687 / 103	2.125	1.824
60.5	11756 / 1605	11757 / 922	2.319	1.783
60.6	11827 / 376	11827 / 1741	2.067	1.427
60.7	11897 / 1195	11898 / 512	2.192	1.565
60.8	11967 / 2014	11968 / 1331	2.095	1.727
60.9	12038 / 785	12039 / 102	2.293	1.708
61	12108 / 1604	12109 / 921	2.06	1.695
61.1	12179 / 375	12179 / 1740	2.126	1.608
61.2	12249 / 1194	12250 / 511	2.094	1.491
61.3	12319 / 2013	12320 / 1330	2.138	1.567
61.4	12390 / 784	12391 / 101	2.054	1.552
61.5	12460 / 1603	12461 / 920	1.877	1.429
61.6	12531 / 374	12531 / 1739	2.084	1.471
61.7	12601 / 1193	12602 / 510	2.199	1.729
61.8	12671 / 2012	12672 / 1329	2.121	1.684
61.9	12742 / 783	12743 / 100	2.398	1.492
62	12812 / 1602	12813 / 919	2.118	1.671
62.1	12883 / 373	12883 / 1738	2.282	1.62
62.2	12953 / 1192	12954 / 509	2.019	1.649
62.3	13023 / 2011	13024 / 1328	2.48	2.028
62.4	13094 / 782	13095 / 99	2.865	2.105
62.5	13164 / 1601	13165 / 918	2.245	1.788
62.6	13235 / 372	13235 / 1737	2.674	1.823
62.7	13305 / 1191	13306 / 508	2.397	1.89
62.8	13375 / 2010	13376 / 1327	2.332	1.819
62.9	13446 / 781	13447 / 98	2.295	1.802
63	13516 / 1600	13517 / 917	2.037	1.575
63.1	13587 / 371	13587 / 1736	2.077	1.644
63.2	13657 / 1190	13658 / 507	1.953	1.475
63.3	13727 / 2009	13728 / 1326	2.225	1.621
63.4	13798 / 780	13799 / 97	2.057	1.624
63.5	13868 / 1599	13869 / 916	1.886	1.471
63.6	13939 / 370	13939 / 1735	1.968	1.644
63.7	14009 / 1189	14010 / 506	1.929	1.432
63.8	14079 / 2008	14080 / 1325	1.828	1.662
63.9	14150 / 779	14151 / 96	2.748	1.921
64	14220 / 1598	14221 / 915	2.738	2.183
64.1	14291 / 369	14291 / 1734	2.621	2.095
64.2	14361 / 1188	14362 / 505	2.85	2.075

64.3	14431 / 2007	14432 / 1324	2.669	1.963
64.4	14502 / 778	14503 / 95	2.628	2.626
64.5	14572 / 1597	14573 / 914	2.893	1.936
64.6	14643 / 368	14643 / 1733	2.678	2.152
64.7	14713 / 1187	14714 / 504	2.7	1.709
64.8	14783 / 2006	14784 / 1323	2.5	1.774
64.9	14854 / 777	14855 / 94	2.247	1.696
65	14924 / 1596	14925 / 913	2.352	1.504
65.1	14995 / 367	14995 / 1732	3.461	1.741
65.2	15065 / 1186	15066 / 503	2.71	2.066
65.3	15135 / 2005	15136 / 1322	2.693	1.723
65.4	15206 / 776	15207 / 93	2.82	2.161
65.5	15276 / 1595	15277 / 912	2.733	1.736
65.6	15347 / 366	15347 / 1731	2.949	1.936
65.7	15417 / 1185	15418 / 502	2.68	1.78
65.8	15487 / 2004	15488 / 1321	2.57	1.841
65.9	15558 / 775	15559 / 92	2.197	1.816
66	15628 / 1594	15629 / 911	2.186	1.72
66.1	15699 / 365	15699 / 1730	2.127	1.699
66.2	15769 / 1184	15770 / 501	2.289	1.799
66.3	15839 / 2003	15840 / 1320	2.18	2.033
66.4	15910 / 774	15911 / 91	2.108	2.261
66.5	15980 / 1593	15981 / 910	2.216	1.723
66.6	16051 / 364	16051 / 1729	1.884	1.721
66.7	16121 / 1183	16122 / 500	2.192	1.582
66.8	16191 / 2002	16192 / 1319	2.235	1.832
66.9	16262 / 773	16263 / 90	3.406	1.812
67	16332 / 1592	16333 / 909	2.552	1.908
67.1	16403 / 363	16403 / 1728	2.401	1.695
67.2	16473 / 1182	16474 / 499	2.751	2.305
67.3	16543 / 2001	16544 / 1318	2.281	1.81
67.4	16614 / 772	16615 / 89	2.663	2.748
67.5	16684 / 1591	16685 / 908	2.133	1.76
67.6	16755 / 362	16755 / 1727	2.441	1.793
67.7	16825 / 1181	16826 / 498	2.332	1.968
67.8	16895 / 2000	16896 / 1317	2.436	1.907
67.9	16966 / 771	16967 / 88	2.586	1.97
68	17036 / 1590	17037 / 907	2.457	1.994
68.1	17107 / 361	17107 / 1726	2.34	1.932
68.2	17177 / 1180	17178 / 497	2.603	2.115
68.3	17247 / 1999	17248 / 1316	2.313	1.955
68.4	17318 / 770	17319 / 87	2.089	1.895
68.5	17388 / 1589	17389 / 906	2.32	1.945

68.6	17459 / 360	17459 / 1725	2.537	2.125
68.7	17529 / 1179	17530 / 496	2.323	1.894
68.8	17599 / 1998	17600 / 1315	2.382	1.937
68.9	17670 / 769	17671 / 86	2.324	1.8
69	17740 / 1588	17741 / 905	2.554	1.873
69.1	17811 / 359	17811 / 1724	2.283	1.925
69.2	17881 / 1178	17882 / 495	7.254	4.57
69.3	17951 / 1997	17952 / 1314	3.623	2.869
69.4	18022 / 768	18023 / 85	7.035	3.968
69.5	18092 / 1587	18093 / 904	6.582	4.347
69.6	18163 / 358	18163 / 1723	7.068	3.753
69.7	18233 / 1177	18234 / 494	6.786	3.803
69.8	18303 / 1996	18304 / 1313	2.395	1.816
69.9	18374 / 767	18375 / 84	2.204	1.759
70	18444 / 1586	18445 / 903	7.08	4.419
70.1	18515 / 357	18515 / 1722	7.106	3.142
70.2	18585 / 1176	18586 / 493	3.669	1.899
70.3	18655 / 1995	18656 / 1312	6.768	3.436
70.4	18726 / 766	18727 / 83	3.287	1.93
70.5	18796 / 1585	18797 / 902	6.897	4.277
70.6	18867 / 356	18867 / 1721	2.168	1.926
70.7	18937 / 1175	18938 / 492	2.302	1.776
70.8	19007 / 1994	19008 / 1311	2.369	1.798
70.9	19078 / 765	19079 / 82	2.327	1.795
71	19148 / 1584	19149 / 901	2.454	1.871
71.1	19219 / 355	19219 / 1720	2.675	2.128
71.2	19289 / 1174	19290 / 491	2.576	1.929
71.3	19359 / 1993	19360 / 1310	2.71	1.93
71.4	19430 / 764	19431 / 81	2.626	1.949
71.5	19500 / 1583	19501 / 900	2.445	1.975
71.6	19571 / 354	19571 / 1719	2.432	1.826
71.7	19641 / 1173	19642 / 490	2.442	1.8
71.8	19711 / 1992	19712 / 1309	2.374	1.938
71.9	19782 / 763	19783 / 80	2.369	1.933
72	19852 / 1582	19853 / 899	2.49	1.997
72.1	19923 / 353	19923 / 1718	2.554	1.913
72.2	19993 / 1172	19994 / 489	2.487	2.304
72.3	20063 / 1991	20064 / 1308	2.469	1.995
72.4	20134 / 762	20135 / 79	2.481	2.08
72.5	20204 / 1581	20205 / 898	3.378	1.91
72.6	20275 / 352	20275 / 1717	2.653	2.016
72.7	20345 / 1171	20346 / 488	2.482	2.046
72.8	20415 / 1990	20416 / 1307	2.47	1.856

72.9	20486 / 761	20487 / 78	2.386	1.981
73	20556 / 1580	20557 / 897	2.456	1.868
73.1	20627 / 351	20627 / 1716	2.418	2.248
73.2	20697 / 1170	20698 / 487	2.448	1.76
73.3	20767 / 1989	20768 / 1306	2.596	2.157
73.4	20838 / 760	20839 / 77	2.439	1.932
73.5	20908 / 1579	20909 / 896	2.328	2.106
73.6	20979 / 350	20979 / 1715	2.378	1.861
73.7	21049 / 1169	21050 / 486	2.254	1.826
73.8	21119 / 1988	21120 / 1305	2.087	1.616
73.9	21190 / 759	21191 / 76	2.161	1.706
74	21260 / 1578	21261 / 895	2.169	1.78
74.1	21331 / 349	21331 / 1714	2.006	1.745
74.2	21401 / 1168	21402 / 485	2.109	1.735
74.3	21471 / 1987	21472 / 1304	2.121	2.059
74.4	21542 / 758	21543 / 75	2.115	1.708
74.5	21612 / 1577	21613 / 894	2.483	1.779
74.6	21683 / 348	21683 / 1713	2.181	2.195
74.7	21753 / 1167	21754 / 484	2.023	1.709
74.8	21823 / 1986	21824 / 1303	2.113	1.713
74.9	21894 / 757	21895 / 74	2.028	1.859
75	21964 / 1576	21965 / 893	1.964	1.918
75.1	22035 / 347	22035 / 1712	1.941	1.705
75.2	22105 / 1166	22106 / 483	2.417	1.76
75.3	22175 / 1985	22176 / 1302	2.1	2.613
75.4	22246 / 756	22247 / 73	2.122	1.899
75.5	22316 / 1575	22317 / 892	2.051	1.678
75.6	22387 / 346	22387 / 1711	2.112	1.571
75.7	22457 / 1165	22458 / 482	2.21	1.667
75.8	22527 / 1984	22528 / 1301	2.215	1.705
75.9	22598 / 755	22599 / 72	2.116	1.709
76	22668 / 1574	22669 / 891	2.192	1.791
76.1	22739 / 345	22739 / 1710	2.354	1.748
76.2	22809 / 1164	22810 / 481	2.385	1.698
76.3	22879 / 1983	22880 / 1300	2.362	1.723
76.4	22950 / 754	22951 / 71	2.286	2.24
76.5	23020 / 1573	23021 / 890	2.347	1.779
76.6	23091 / 344	23091 / 1709	2.252	1.708
76.7	23161 / 1163	23162 / 480	2.214	1.723
76.8	23231 / 1982	23232 / 1299	2.079	1.668
76.9	23302 / 753	23303 / 70	2.302	1.707
77	23372 / 1572	23373 / 889	2.095	1.759
77.1	23443 / 343	23443 / 1708	2.136	1.729

77.2	23513 / 1162	23514 / 479	1.967	1.639
77.3	23583 / 1981	23584 / 1298	1.913	1.688
77.4	23654 / 752	23655 / 69	2.197	1.919
77.5	23724 / 1571	23725 / 888	1.935	1.682
77.6	23795 / 342	23795 / 1707	1.95	1.776
77.7	23865 / 1161	23866 / 478	1.935	1.735
77.8	23935 / 1980	23936 / 1297	2.225	1.816
77.9	24006 / 751	24007 / 68	1.969	1.843
78	24076 / 1570	24077 / 887	1.981	1.68
78.1	24147 / 341	24147 / 1706	2.11	1.802
78.2	24217 / 1160	24218 / 477	2.075	1.785
78.3	24287 / 1979	24288 / 1296	1.999	1.678
78.4	24358 / 750	24359 / 67	1.969	1.659
78.5	24428 / 1569	24429 / 886	2.009	1.702
78.6	24499 / 340	24499 / 1705	1.986	1.708
78.7	24569 / 1159	24570 / 476	1.946	1.675
78.8	24639 / 1978	24640 / 1295	1.968	2.271
78.9	24710 / 749	24711 / 66	1.903	1.708
79	24780 / 1568	24781 / 885	2.078	1.772
79.1	24851 / 339	24851 / 1704	1.823	1.692
79.2	24921 / 1158	24922 / 475	1.818	1.588
79.3	24991 / 1977	24992 / 1294	1.987	1.672
79.4	25062 / 748	25063 / 65	1.832	1.602
79.5	25132 / 1567	25133 / 884	1.922	1.637
79.6	25203 / 338	25203 / 1703	1.922	1.582
79.7	25273 / 1157	25274 / 474	1.915	1.467
79.8	25343 / 1976	25344 / 1293	1.872	1.518
79.9	25414 / 747	25415 / 64	2.133	1.787
80	25484 / 1566	25485 / 883	2.192	1.653
80.1	25555 / 337	25555 / 1702	2.027	1.48
80.2	25625 / 1156	25626 / 473	1.978	1.529
80.3	25695 / 1975	25696 / 1292	2.103	1.727
80.4	0 / 0	0 / 1365	2.033	1.716
80.5	70 / 819	71 / 136	2.209	1.847
80.6	140 / 1638	141 / 955	1.938	1.632
80.7	211 / 409	211 / 1774	2.045	1.766
80.8	281 / 1228	282 / 545	2.62	1.617
80.9	351 / 2047	352 / 1364	2.801	1.784
81	422 / 818	423 / 135	2.769	2.168
81.1	492 / 1637	493 / 954	3.448	1.773
81.2	563 / 408	563 / 1773	3.125	1.716
81.3	633 / 1227	634 / 544	2.328	1.894
81.4	703 / 2046	704 / 1363	2.361	1.924

81.5	774 / 817	775 / 134	2.373	1.997
81.6	844 / 1636	845 / 953	2.372	2.019
81.7	915 / 407	915 / 1772	2.345	2.063
81.8	985 / 1226	986 / 543	2.367	1.914
81.9	1055 / 2045	1056 / 1362	2.775	2.062
82	1126 / 816	1127 / 133	2.245	1.72
82.1	1196 / 1635	1197 / 952	3.182	2.725
82.2	1267 / 406	1267 / 1771	3.744	2.405
82.3	1337 / 1225	1338 / 542	3.058	2.628
82.4	1407 / 2044	1408 / 1361	2.444	1.9
82.5	1478 / 815	1479 / 132	2.596	1.77
82.6	1548 / 1634	1549 / 951	2.137	1.692
82.7	1619 / 405	1619 / 1770	2.151	1.602
82.8	1689 / 1224	1690 / 541	2.376	1.783
82.9	1759 / 2043	1760 / 1360	3.389	2.206
83	1830 / 814	1831 / 131	3.853	2.325
83.1	1900 / 1633	1901 / 950	3.057	2.321
83.2	1971 / 404	1971 / 1769	3.211	2.098
83.3	2041 / 1223	2042 / 540	3.629	2.162
83.4	2111 / 2042	2112 / 1359	3.871	2.305
83.5	2182 / 813	2183 / 130	3.919	2.395
83.6	2252 / 1632	2253 / 949	4.027	2.279
83.7	2323 / 403	2323 / 1768	3.564	2.414
83.8	2393 / 1222	2394 / 539	2.565	2.087
83.9	2463 / 2041	2464 / 1358	2.645	2.144
84	2534 / 812	2535 / 129	2.592	2.073
84.1	2604 / 1631	2605 / 948	2.688	2.183
84.2	2675 / 402	2675 / 1767	2.583	2.013
84.3	2745 / 1221	2746 / 538	2.866	2.117
84.4	2815 / 2040	2816 / 1357	2.958	2.762
84.5	2886 / 811	2887 / 128	2.305	1.795
84.6	2956 / 1630	2957 / 947	2.177	1.555
84.7	3027 / 401	3027 / 1766	2.01	1.679
84.8	3097 / 1220	3098 / 537	1.745	1.449
84.9	3167 / 2039	3168 / 1356	1.886	1.405
85	3238 / 810	3239 / 127	2.062	2.103
85.1	3308 / 1629	3309 / 946	2.246	1.722
85.2	3379 / 400	3379 / 1765	2.19	1.907
85.3	3449 / 1219	3450 / 536	2.37	2.024
85.4	3519 / 2038	3520 / 1355	1.975	1.619
85.5	3590 / 809	3591 / 126	2.252	1.613
85.6	3660 / 1628	3661 / 945	2.272	1.744
85.7	3731 / 399	3731 / 1764	2.207	1.603

85.8	3801 / 1218	3802 / 535	2.253	2.259
85.9	3871 / 2037	3872 / 1354	2.55	1.898
86	3942 / 808	3943 / 125	2.044	1.607
86.1	4012 / 1627	4013 / 944	2.077	1.771
86.2	4083 / 398	4083 / 1763	2.178	1.632
86.3	4153 / 1217	4154 / 534	1.941	1.632
86.4	4223 / 2036	4224 / 1353	3.101	1.64
86.5	4294 / 807	4295 / 124	1.82	1.609
86.6	4364 / 1626	4365 / 943	2.02	1.738
86.7	4435 / 397	4435 / 1762	1.769	1.323
86.8	4505 / 1216	4506 / 533	2.149	1.43
86.9	4575 / 2035	4576 / 1352	1.957	1.429
87	4646 / 806	4647 / 123	2.072	2.163
87.1	4716 / 1625	4717 / 942	2.33	1.718
87.2	4787 / 396	4787 / 1761	1.857	1.442
87.3	4857 / 1215	4858 / 532	2.02	1.579
87.4	4927 / 2034	4928 / 1351	2.213	1.602
87.5	4998 / 805	4999 / 122	2.092	2.852
87.6	5068 / 1624	5069 / 941	2.066	1.644
87.7	5139 / 395	5139 / 1760	1.892	1.647
87.8	5209 / 1214	5210 / 531	2.126	1.389
87.9	5279 / 2033	5280 / 1350	1.779	1.456
88	5350 / 804	5351 / 121	2.071	1.446
88.1	5420 / 1623	5421 / 940	2.302	1.649
88.2	5491 / 394	5491 / 1759	1.71	1.262
88.3	5561 / 1213	5562 / 530	1.805	1.205
88.4	5631 / 2032	5632 / 1349	1.761	1.376
88.5	5702 / 803	5703 / 120	1.689	1.145
88.6	5772 / 1622	5773 / 939	1.603	1.101
88.7	5843 / 393	5843 / 1758	1.531	1.164
88.8	5913 / 1212	5914 / 529	1.593	1.28
88.9	5983 / 2031	5984 / 1348	1.653	1.333
89	6054 / 802	6055 / 119	1.617	1.453
89.1	6124 / 1621	6125 / 938	1.837	1.288
89.2	6195 / 392	6195 / 1757	2.088	1.486
89.3	6265 / 1211	6266 / 528	1.923	1.495
89.4	6335 / 2030	6336 / 1347	1.772	1.245
89.5	6406 / 801	6407 / 118	1.711	1.36
89.6	6476 / 1620	6477 / 937	1.676	1.337
89.7	6547 / 391	6547 / 1756	1.639	1.401
89.8	6617 / 1210	6618 / 527	1.736	1.357
89.9	6687 / 2029	6688 / 1346	1.59	1.216
90	6758 / 800	6759 / 117	1.721	1.38

90.1	6828 / 1619	6829 / 936	1.858	1.356
90.2	6899 / 390	6899 / 1755	1.95	1.445
90.3	6969 / 1209	6970 / 526	1.89	1.177
90.4	7039 / 2028	7040 / 1345	1.812	1.379
90.5	7110 / 799	7111 / 116	1.713	1.255
90.6	7180 / 1618	7181 / 935	1.844	1.447
90.7	7251 / 389	7251 / 1754	1.88	1.465
90.8	7321 / 1208	7322 / 525	1.877	1.344
90.9	7391 / 2027	7392 / 1344	1.942	1.43
91	7462 / 798	7463 / 115	1.897	1.597
91.1	7532 / 1617	7533 / 934	1.891	1.445
91.2	7603 / 388	7603 / 1753	1.673	1.164
91.3	7673 / 1207	7674 / 524	1.75	1.275
91.4	7743 / 2026	7744 / 1343	1.709	1.329
91.5	7814 / 797	7815 / 114	1.729	1.565
91.6	7884 / 1616	7885 / 933	1.768	1.383
91.7	7955 / 387	7955 / 1752	1.766	1.488
91.8	8025 / 1206	8026 / 523	1.876	1.31
91.9	8095 / 2025	8096 / 1342	1.856	1.37
92	8166 / 796	8167 / 113	1.965	1.463
92.1	8236 / 1615	8237 / 932	2.362	1.774
92.2	8307 / 386	8307 / 1751	2.236	1.991
92.3	8377 / 1205	8378 / 522	1.789	1.243
92.4	8447 / 2024	8448 / 1341	2.125	1.661
92.5	8518 / 795	8519 / 112	2.172	1.479
92.6	8588 / 1614	8589 / 931	1.996	1.525
92.7	8659 / 385	8659 / 1750	1.98	1.478
92.8	8729 / 1204	8730 / 521	3.114	2.469
92.9	8799 / 2023	8800 / 1340	2.819	2.592
93	8870 / 794	8871 / 111	3.568	2.785
93.1	8940 / 1613	8941 / 930	3.508	2.833
93.2	9011 / 384	9011 / 1749	3.377	2.832
93.3	9081 / 1203	9082 / 520	3.485	3.017
93.4	9151 / 2022	9152 / 1339	3.449	2.627
93.5	9222 / 793	9223 / 110	2.803	2.439
93.6	9292 / 1612	9293 / 929	3.33	2.814
93.7	9363 / 383	9363 / 1748	3.289	2.765
93.8	9433 / 1202	9434 / 519	3.104	2.807
93.9	9503 / 2021	9504 / 1338	2.732	1.464
94	9574 / 792	9575 / 109	2.551	1.812
94.1	9644 / 1611	9645 / 928	2.514	1.587
94.2	9715 / 382	9715 / 1747	2.482	1.475
94.3	9785 / 1201	9786 / 518	2.882	1.586

94.4	9855 / 2020	9856 / 1337	2.851	1.595
94.5	9926 / 791	9927 / 108	2.269	1.46
94.6	9996 / 1610	9997 / 927	2.216	1.499
94.7	10067 / 381	10067 / 1746	1.871	1.554
94.8	10137 / 1200	10138 / 517	1.967	1.594
94.9	10207 / 2019	10208 / 1336	2.194	1.633
95	10278 / 790	10279 / 107	2.059	1.718
95.1	10348 / 1609	10349 / 926	2.957	2.477
95.2	10419 / 380	10419 / 1745	2.833	1.773
95.3	10489 / 1199	10490 / 516	2.2	1.724
95.4	10559 / 2018	10560 / 1335	2.554	1.579
95.5	10630 / 789	10631 / 106	2.309	1.508
95.6	0 / 0	0 / 1365	2.547	1.678
95.7	70 / 819	71 / 136	2.218	1.673
95.8	140 / 1638	141 / 955	2.222	1.655
95.9	211 / 409	211 / 1774	2.272	1.554
96	281 / 1228	282 / 545	2.33	1.568
96.1	351 / 2047	352 / 1364	2.22	1.624
96.2	422 / 818	423 / 135	2.275	1.672
96.3	492 / 1637	493 / 954	2.209	1.634
96.4	563 / 408	563 / 1773	2.291	1.688
96.5	633 / 1227	634 / 544	2.2	1.532
96.6	703 / 2046	704 / 1363	2.163	1.716
96.7	774 / 817	775 / 134	2.431	1.794
96.8	844 / 1636	845 / 953	2.133	1.643
96.9	915 / 407	915 / 1772	2.097	1.63
97	985 / 1226	986 / 543	2.056	1.676
97.1	1055 / 2045	1056 / 1362	2.258	1.705
97.2	1126 / 816	1127 / 133	2.072	1.74
97.3	1196 / 1635	1197 / 952	1.934	1.533
97.4	1267 / 406	1267 / 1771	1.958	1.599
97.5	1337 / 1225	1338 / 542	2.217	1.655
97.6	1407 / 2044	1408 / 1361	2.339	1.699
97.7	1478 / 815	1479 / 132	2.329	1.703
97.8	1548 / 1634	1549 / 951	2.12	1.569
97.9	1619 / 405	1619 / 1770	2.007	1.636
98	1689 / 1224	1690 / 541	2.07	1.713
98.1	1759 / 2043	1760 / 1360	2.279	1.636
98.2	1830 / 814	1831 / 131	2.118	1.634
98.3	1900 / 1633	1901 / 950	2.158	1.637
98.4	1971 / 404	1971 / 1769	2.216	1.865
98.5	2041 / 1223	2042 / 540	1.988	1.51
98.6	2111 / 2042	2112 / 1359	2.059	1.641

98.7	2182 / 813	2183 / 130	1.5	1.13
98.8	2252 / 1632	2253 / 949	1.54	1.182
98.9	2323 / 403	2323 / 1768	1.657	1.31
99	2393 / 1222	2394 / 539	1.592	1.229
99.1	2463 / 2041	2464 / 1358	1.653	1.078
99.2	2534 / 812	2535 / 129	1.51	1.165
99.3	2604 / 1631	2605 / 948	1.703	1.152
99.4	2675 / 402	2675 / 1767	1.533	1.159
99.5	2745 / 1221	2746 / 538	1.542	1.23
99.6	2815 / 2040	2816 / 1357	1.584	1.296
99.7	2886 / 811	2887 / 128	1.49	1.065
99.8	2956 / 1630	2957 / 947	1.547	1.238
99.9	3027 / 401	3027 / 1766	1.596	1.197
100	3097 / 1220	3098 / 537	1.535	1.173
100.1	3167 / 2039	3168 / 1356	1.501	1.264
100.2	3238 / 810	3239 / 127	1.826	1.666
100.3	3308 / 1629	3309 / 946	1.888	1.521
100.4	3379 / 400	3379 / 1765	1.933	1.75
100.5	3449 / 1219	3450 / 536	1.89	1.705
100.6	3519 / 2038	3520 / 1355	1.971	1.538
100.7	3590 / 809	3591 / 126	1.87	1.601
100.8	3660 / 1628	3661 / 945	1.926	1.638
100.9	3731 / 399	3731 / 1764	1.929	2.054
101	3801 / 1218	3802 / 535	1.968	1.542
101.1	3871 / 2037	3872 / 1354	1.905	1.462
101.2	3942 / 808	3943 / 125	1.804	1.684
101.3	4012 / 1627	4013 / 944	1.774	1.452
101.4	4083 / 398	4083 / 1763	2.018	1.587
101.5	4153 / 1217	4154 / 534	1.797	1.433
101.6	4223 / 2036	4224 / 1353	1.741	1.404
101.7	4294 / 807	4295 / 124	1.787	1.472
101.8	4364 / 1626	4365 / 943	1.947	1.763
101.9	4435 / 397	4435 / 1762	1.829	1.566
102	4505 / 1216	4506 / 533	1.92	1.566
102.1	4575 / 2035	4576 / 1352	1.753	1.413
102.2	4646 / 806	4647 / 123	1.717	1.317
102.3	4716 / 1625	4717 / 942	1.835	1.421
102.4	4787 / 396	4787 / 1761	1.945	1.651
102.5	4857 / 1215	4858 / 532	2	1.692
102.6	4927 / 2034	4928 / 1351	1.995	1.491
102.7	4998 / 805	4999 / 122	2.123	1.691
102.8	5068 / 1624	5069 / 941	1.8	1.566
102.9	5139 / 395	5139 / 1760	1.732	1.418

103	5209 / 1214	5210 / 531	1.753	1.386
103.1	5279 / 2033	5280 / 1350	1.798	1.416
103.2	5350 / 804	5351 / 121	1.653	1.346
103.3	5420 / 1623	5421 / 940	1.781	1.378
103.4	5491 / 394	5491 / 1759	2.269	8.114
103.5	5561 / 1213	5562 / 530	1.755	1.391
103.6	5631 / 2032	5632 / 1349	1.944	1.59
103.7	5702 / 803	5703 / 120	1.884	1.393
103.8	5772 / 1622	5773 / 939	1.976	1.602
103.9	5843 / 393	5843 / 1758	1.824	1.473
104	0 / 0	0 / 1365	1.943	1.522
104.1	70 / 819	71 / 136	1.783	1.419
104.2	140 / 1638	141 / 955	1.647	1.451
104.3	211 / 409	211 / 1774	1.869	1.247
104.4	281 / 1228	282 / 545	1.712	1.351
104.5	351 / 2047	352 / 1364	1.835	1.366
104.6	422 / 818	423 / 135	1.724	1.389
104.7	492 / 1637	493 / 954	1.689	1.436
104.8	563 / 408	563 / 1773	1.677	1.666
104.9	633 / 1227	634 / 544	1.704	1.266
105	703 / 2046	704 / 1363	1.761	1.26
105.1	774 / 817	775 / 134	1.677	1.393
105.2	844 / 1636	845 / 953	1.638	1.337
105.3	915 / 407	915 / 1772	1.607	1.148
105.4	985 / 1226	986 / 543	1.638	1.532
105.5	1055 / 2045	1056 / 1362	1.609	1.309
105.6	1126 / 816	1127 / 133	1.639	1.306
105.7	1196 / 1635	1197 / 952	1.964	3.31
105.8	1267 / 406	1267 / 1771	1.662	1.401
105.9	1337 / 1225	1338 / 542	1.627	1.383
106	1407 / 2044	1408 / 1361	1.577	1.268
106.1	1478 / 815	1479 / 132	1.509	1.184
106.2	1548 / 1634	1549 / 951	1.548	1.258
106.3	1619 / 405	1619 / 1770	2.085	1.388
106.4	1689 / 1224	1690 / 541	2.059	1.519
106.5	1759 / 2043	1760 / 1360	2.192	1.723
106.6	1830 / 814	1831 / 131	2.226	2.241
106.7	1900 / 1633	1901 / 950	2.033	1.791
106.8	1971 / 404	1971 / 1769	2.153	1.724
106.9	2041 / 1223	2042 / 540	2.171	1.977
107	2111 / 2042	2112 / 1359	2.074	1.774
107.1	2182 / 813	2183 / 130	1.925	1.552
107.2	2252 / 1632	2253 / 949	2.24	1.653

107.3	2323 / 403	2323 / 1768	2.152	1.916
107.4	2393 / 1222	2394 / 539	2.104	1.576
107.5	2463 / 2041	2464 / 1358	2.134	1.661
107.6	2534 / 812	2535 / 129	1.901	1.572
107.7	2604 / 1631	2605 / 948	2.532	1.927
107.8	2675 / 402	2675 / 1767	2.432	1.978
107.9	2745 / 1221	2746 / 538	1.907	1.521
108	2815 / 2040	2816 / 1357	2.548	1.897
108.1	2886 / 811	2887 / 128	2.349	1.699
108.2	2956 / 1630	2957 / 947	2.33	1.553
108.3	3027 / 401	3027 / 1766	1.934	1.39
108.4	3097 / 1220	3098 / 537	2.71	1.631
108.5	3167 / 2039	3168 / 1356	1.952	2.209
108.6	3238 / 810	3239 / 127	2.275	1.8
108.7	3308 / 1629	3309 / 946	1.968	1.726
108.8	3379 / 400	3379 / 1765	2.416	1.576
108.9	3449 / 1219	3450 / 536	2.437	1.683
109	3519 / 2038	3520 / 1355	1.941	1.532
109.1	3590 / 809	3591 / 126	1.693	1.399
109.2	3660 / 1628	3661 / 945	1.653	1.327
109.3	3731 / 399	3731 / 1764	1.604	1.382
109.4	3801 / 1218	3802 / 535	2.782	2.033
109.5	3871 / 2037	3872 / 1354	1.595	1.219
109.6	3942 / 808	3943 / 125	1.725	1.158
109.7	4012 / 1627	4013 / 944	1.538	1.244
109.8	4083 / 398	4083 / 1763	1.986	1.353
109.9	4153 / 1217	4154 / 534	1.935	1.575
110	4223 / 2036	4224 / 1353	1.926	1.584
110.1	4294 / 807	4295 / 124	2.071	1.616
110.2	4364 / 1626	4365 / 943	1.868	1.644
110.3	4435 / 397	4435 / 1762	1.796	1.544
110.4	4505 / 1216	4506 / 533	1.891	1.612
110.5	4575 / 2035	4576 / 1352	1.94	1.743
110.6	4646 / 806	4647 / 123	2.009	1.666
110.7	4716 / 1625	4717 / 942	1.968	1.764
110.8	4787 / 396	4787 / 1761	1.886	1.617
110.9	4857 / 1215	4858 / 532	1.991	1.613
111	4927 / 2034	4928 / 1351	2.071	1.575
111.1	4998 / 805	4999 / 122	2.174	2.037
111.2	5068 / 1624	5069 / 941	2.035	1.801
111.3	5139 / 395	5139 / 1760	2.121	1.775
111.4	5209 / 1214	5210 / 531	2.068	1.642
111.5	5279 / 2033	5280 / 1350	2.139	2.005

111.6	5350 / 804	5351 / 121	2.137	1.973
111.7	5420 / 1623	5421 / 940	2.203	2.002
111.8	5491 / 394	5491 / 1759	1.998	1.701
111.9	5561 / 1213	5562 / 530	2.04	1.918
112	5631 / 2032	5632 / 1349	2.094	2.283
112.1	5702 / 803	5703 / 120	2.151	2.013
112.2	5772 / 1622	5773 / 939	1.584	1.349
112.3	5843 / 393	5843 / 1758	1.525	1.169
112.4	5913 / 1212	5914 / 529	2.703	2.558
112.5	5983 / 2031	5984 / 1348	1.588	1.099
112.6	6054 / 802	6055 / 119	1.568	1.263
112.7	6124 / 1621	6125 / 938	1.558	1.318
112.8	6195 / 392	6195 / 1757	1.609	1.236
112.9	6265 / 1211	6266 / 528	1.554	1.179
113	6335 / 2030	6336 / 1347	1.575	1.266
113.1	6406 / 801	6407 / 118	1.544	1.171
113.2	6476 / 1620	6477 / 937	1.594	1.144
113.3	6547 / 391	6547 / 1756	1.628	1.328
113.4	6617 / 1210	6618 / 527	1.614	1.322
113.5	6687 / 2029	6688 / 1346	1.636	1.268
113.6	6758 / 800	6759 / 117	1.634	1.21
113.7	6828 / 1619	6829 / 936	1.57	1.311
113.8	6899 / 390	6899 / 1755	1.57	1.237
113.9	6969 / 1209	6970 / 526	1.671	1.264
114	7039 / 2028	7040 / 1345	1.641	1.251
114.1	7110 / 799	7111 / 116	1.569	1.175
114.2	7180 / 1618	7181 / 935	1.606	1.307
114.3	7251 / 389	7251 / 1754	1.518	1.328
114.4	7321 / 1208	7322 / 525	1.55	1.354
114.5	7391 / 2027	7392 / 1344	1.573	1.241
114.6	7462 / 798	7463 / 115	2.476	2.53
114.7	7532 / 1617	7533 / 934	1.614	1.252
114.8	7603 / 388	7603 / 1753	1.419	1.131
114.9	7673 / 1207	7674 / 524	1.623	1.157
115	7743 / 2026	7744 / 1343	1.678	1.189
115.1	7814 / 797	7815 / 114	1.67	1.165
115.2	7884 / 1616	7885 / 933	1.646	1.177
115.3	7955 / 387	7955 / 1752	1.566	1.193
115.4	8025 / 1206	8026 / 523	1.588	1.234
115.5	8095 / 2025	8096 / 1342	1.592	1.119
115.6	8166 / 796	8167 / 113	1.614	1.313
115.7	8236 / 1615	8237 / 932	1.617	1.347
115.8	8307 / 386	8307 / 1751	1.546	1.097

115.9	8377 / 1205	8378 / 522	1.585	1.213
116	8447 / 2024	8448 / 1341	2.375	1.556
116.1	8518 / 795	8519 / 112	2.939	1.568
116.2	8588 / 1614	8589 / 931	2.15	1.547
116.3	8659 / 385	8659 / 1750	2.35	1.576
116.4	8729 / 1204	8730 / 521	1.8	1.632
116.5	8799 / 2023	8800 / 1340	1.621	1.661
116.6	8870 / 794	8871 / 111	1.663	1.394
116.7	8940 / 1613	8941 / 930	1.727	1.581
116.8	9011 / 384	9011 / 1749	1.587	1.494
116.9	9081 / 1203	9082 / 520	1.757	1.548
117	9151 / 2022	9152 / 1339	1.764	1.335
117.1	9222 / 793	9223 / 110	1.646	1.372
117.2	9292 / 1612	9293 / 929	1.74	1.43
117.3	9363 / 383	9363 / 1748	1.721	1.501
117.4	9433 / 1202	9434 / 519	1.703	1.325
117.5	9503 / 2021	9504 / 1338	1.695	1.24
117.6	9574 / 792	9575 / 109	1.71	1.386
117.7	9644 / 1611	9645 / 928	1.669	1.441
117.8	9715 / 382	9715 / 1747	1.644	1.449
117.9	9785 / 1201	9786 / 518	1.73	1.448
118	9855 / 2020	9856 / 1337	1.591	1.334
118.1	9926 / 791	9927 / 108	1.686	1.384
118.2	9996 / 1610	9997 / 927	1.755	1.452
118.3	10067 / 381	10067 / 1746	1.794	1.409
118.4	10137 / 1200	10138 / 517	1.763	1.543
118.5	10207 / 2019	10208 / 1336	1.657	1.549
118.6	10278 / 790	10279 / 107	1.728	1.535
118.7	10348 / 1609	10349 / 926	1.625	1.474
118.8	10419 / 380	10419 / 1745	1.613	1.248
118.9	10489 / 1199	10490 / 516	1.512	1.405
119	10559 / 2018	10560 / 1335	1.599	1.441
119.1	10630 / 789	10631 / 106	1.717	1.484
119.2	10700 / 1608	10701 / 925	1.669	1.534
119.3	10771 / 379	10771 / 1744	1.73	1.329
119.4	10841 / 1198	10842 / 515	1.797	1.271
119.5	10911 / 2017	10912 / 1334	1.686	1.452
119.6	10982 / 788	10983 / 105	1.723	1.53
119.7	11052 / 1607	11053 / 924	1.845	1.476
119.8	11123 / 378	11123 / 1743	1.786	1.406
119.9	11193 / 1197	11194 / 514	1.696	1.332
120	11263 / 2016	11264 / 1333	1.7	1.334
120.1	11334 / 787	11335 / 104	1.735	1.331

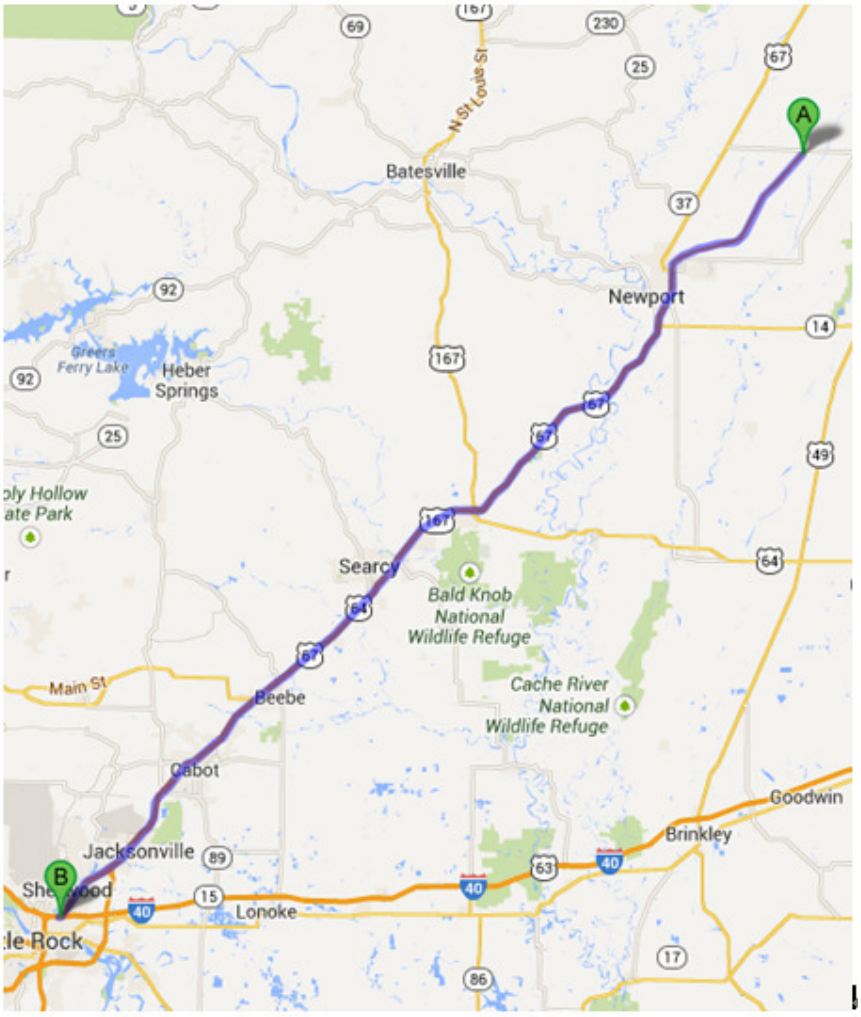
120.2	11404 / 1606	11405 / 923	1.61	1.511
120.3	11475 / 377	11475 / 1742	1.602	1.302
120.4	11545 / 1196	11546 / 513	1.57	1.192
120.5	11615 / 2015	11616 / 1332	1.637	1.203
120.6	11686 / 786	11687 / 103	1.906	1.462
120.7	11756 / 1605	11757 / 922	1.705	1.363
120.8	11827 / 376	11827 / 1741	1.637	1.421
120.9	11897 / 1195	11898 / 512	1.677	1.424
121	11967 / 2014	11968 / 1331	1.877	1.5
121.1	12038 / 785	12039 / 102	1.763	1.451
121.2	12108 / 1604	12109 / 921	1.68	1.362
121.3	12179 / 375	12179 / 1740	1.671	1.786
121.4	12249 / 1194	12250 / 511	1.746	1.878
121.5	12319 / 2013	12320 / 1330	1.694	1.505
121.6	12390 / 784	12391 / 101	1.804	1.796
121.7	12460 / 1603	12461 / 920	1.773	1.543
121.8	12531 / 374	12531 / 1739	1.65	1.355
121.9	12601 / 1193	12602 / 510	1.836	1.668
122	12671 / 2012	12672 / 1329	1.817	1.714
122.1	12742 / 783	12743 / 100	1.743	1.441
122.2	12812 / 1602	12813 / 919	1.65	1.294
122.3	12883 / 373	12883 / 1738	2.54	1.39
122.4	12953 / 1192	12954 / 509	1.626	1.45
122.5	13023 / 2011	13024 / 1328	1.619	1.317
122.6	13094 / 782	13095 / 99	1.915	1.457
122.7	13164 / 1601	13165 / 918	1.637	1.38
122.8	13235 / 372	13235 / 1737	2.004	1.47
122.9	13305 / 1191	13306 / 508	1.694	1.301
123	13375 / 2010	13376 / 1327	1.825	1.597
123.1	13446 / 781	13447 / 98	1.781	1.501
123.2	13516 / 1600	13517 / 917	1.74	1.391
123.3	13587 / 371	13587 / 1736	1.68	1.442
123.4	13657 / 1190	13658 / 507	1.758	1.442
123.5	13727 / 2009	13728 / 1326	2.459	1.461
123.6	13798 / 780	13799 / 97	1.857	1.415
123.7	13868 / 1599	13869 / 916	1.879	1.516
123.8	13939 / 370	13939 / 1735	1.919	1.408
123.9	14009 / 1189	14010 / 506	2.279	1.601
124	14079 / 2008	14080 / 1325	1.86	1.666
124.1	14150 / 779	14151 / 96	2.213	1.778
124.2	14220 / 1598	14221 / 915	2.007	1.655
124.3	14291 / 369	14291 / 1734	1.803	1.678
124.4	14361 / 1188	14362 / 505	1.686	1.359

124.5	14431 / 2007	14432 / 1324	1.755	1.338
124.6	14502 / 778	14503 / 95	1.698	1.327
124.7	14572 / 1597	14573 / 914	2.051	1.636
124.8	14643 / 368	14643 / 1733	1.797	1.657
124.9	14713 / 1187	14714 / 504	2.169	2.145
125	14783 / 2006	14784 / 1323	3.13	2.363
125.1	14854 / 777	14855 / 94	2.384	1.682

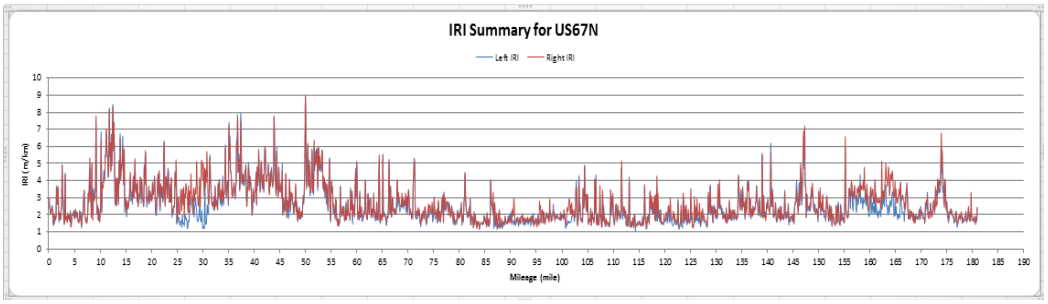
US67S (TO LITTLEROCK)

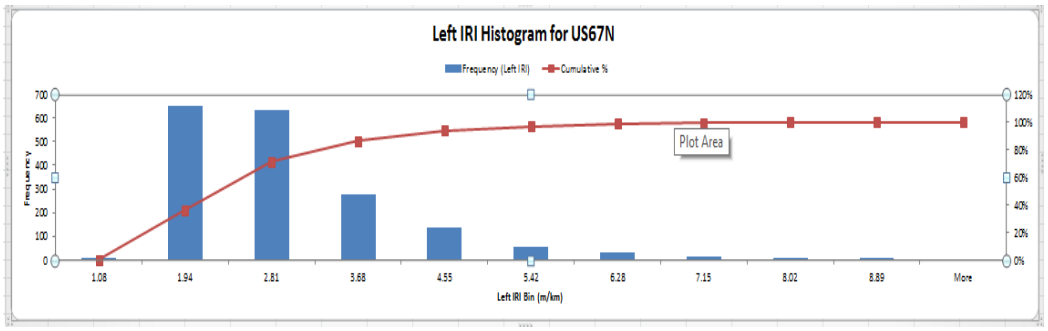
Route Description

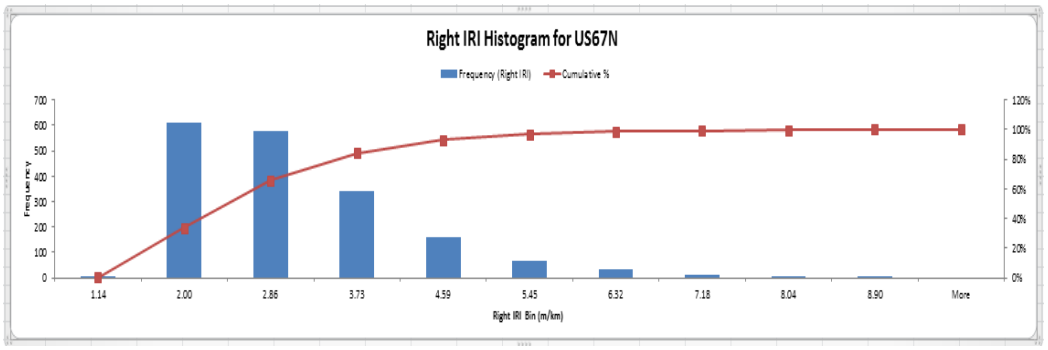
US67S (To Littlerock) data collection starts at GPS coordinate of 35.7913,-91.026745, and ends at GPS coordinate of34.777602,-92.237242, with a total length of 103 miles.



IRI Data


IRI Summary for US67N
Left IRI
Right IRI
IRI (m/km)
Mileage (mile)


Left IRI Histogram for US67N
Frequency (Left IRI)
Cumulative %
Plot Area
Frequency
1.08
1.94
2.81
3.68
4.55
5.42
6.28
7.15
8.02
8.89
More
Left IRI Bin (m/km)


Right IRI Histogram for US67N
Frequency (Right IRI)
Cumulative %
Frequency
1.14
2.00
2.86
3.73
4.59
5.45
6.32
7.18
8.04
8.90
More
Right IRI Bin (m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	1.79	1.86
0.1	1	529	1057	1.81	1.83
0.2	2	1057	1585	1.74	1.65
0.3	3	1585	2113	1.58	1.63
0.4	4	2113	2641	1.75	1.85
0.5	5	2641	3169	1.89	1.93
0.6	6	3169	3697	1.78	1.86
0.7	7	3697	4225	1.67	1.65
0.8	8	4225	4753	1.25	1.51
0.9	9	4753	5281	1.46	1.54
1	10	5281	5809	1.54	1.80
1.1	11	5809	6337	1.29	1.23
1.2	12	6337	6865	1.50	1.61
1.3	13	6865	7393	1.40	1.45
1.4	14	7393	7921	1.53	1.39
1.5	15	7921	8449	1.60	1.63
1.6	16	8449	8977	1.60	1.76
1.7	17	8977	9505	1.45	1.60
1.8	18	9505	10033	1.52	1.81
1.9	19	10033	10561	1.62	1.73
2	20	10561	11089	1.56	1.64
2.1	21	11089	11617	1.74	1.68
2.2	22	11617	12145	1.74	2.00
2.3	23	12145	12673	1.42	1.39
2.4	24	12673	13201	1.85	2.03
2.5	25	13201	13729	1.57	1.37
2.6	26	13729	14257	1.45	1.52
2.7	27	14257	14785	1.63	1.68
2.8	28	14785	15313	1.74	1.78
2.9	29	15313	15841	1.66	1.56
3	30	15841	16369	1.71	1.59
3.1	31	16369	16897	1.57	1.81
3.2	32	16897	17425	1.89	1.83
3.3	33	17425	17953	1.76	1.72
3.4	34	17953	18481	1.44	1.40
3.5	35	18481	19009	1.75	1.71
3.6	36	19009	19537	1.59	1.80
3.7	37	19537	20065	1.73	1.71
3.8	38	20065	20593	1.76	1.63
3.9	39	20593	21121	1.61	1.70
4	40	21121	21649	1.66	1.74
4.1	41	21649	22177	1.83	1.81

4.2	42	22177	22705	1.53	1.49
4.3	43	22705	23233	1.71	1.87
4.4	44	23233	23761	1.49	1.62
4.5	45	23761	24289	1.48	1.47
4.6	46	24289	24817	1.44	1.73
4.7	47	24817	25345	1.70	1.78
4.8	48	25345	25873	1.85	2.25
4.9	49	25873	26401	1.87	1.82
5	50	26401	26929	1.83	1.66
5.1	51	26929	27457	1.77	1.66
5.2	52	27457	27985	1.83	1.87
5.3	53	27985	28513	1.98	1.88
5.4	54	28513	29041	1.32	1.51
5.5	55	29041	29569	1.48	1.67
5.6	56	29569	30097	1.76	1.72
5.7	57	30097	30625	1.72	1.77
5.8	58	30625	31153	1.95	2.16
5.9	59	31153	31681	1.97	1.91
6	60	31681	32209	1.85	2.01
6.1	61	32209	32737	2.32	2.32
6.2	62	32737	33265	1.82	1.73
6.3	63	33265	33793	2.29	2.26
6.4	64	33793	34321	1.46	1.38
6.5	65	34321	34849	1.52	1.52
6.6	66	34849	35377	1.52	1.51
6.7	67	35377	35905	1.64	1.63
6.8	68	35905	36433	1.69	1.65
6.9	69	36433	36961	1.46	1.39
7	70	36961	37489	1.58	1.80
7.1	71	37489	38017	1.22	1.57
7.2	72	38017	38545	1.68	1.74
7.3	73	38545	39073	1.43	1.32
7.4	74	39073	39601	1.23	1.28
7.5	75	39601	40129	1.39	1.40
7.6	76	40129	40657	1.52	1.46
7.7	77	40657	41185	1.16	1.24
7.8	78	41185	41713	1.39	1.38
7.9	79	41713	42241	1.18	1.34
8	80	42241	42769	1.55	1.45
8.1	81	42769	43297	1.40	1.56
8.2	82	43297	43825	1.32	1.58
8.3	83	43825	44353	1.13	1.31
8.4	84	44353	44881	1.44	1.55

8.5	85	44881	45409	1.58	1.50
8.6	86	45409	45937	1.63	1.69
8.7	87	45937	46465	1.25	1.49
8.8	88	46465	46993	1.37	1.60
8.9	89	46993	47521	1.38	1.59
9	90	47521	48049	1.54	1.59
9.1	91	48049	48577	1.43	1.58
9.2	92	48577	49105	1.55	1.57
9.3	93	49105	49633	1.68	1.67
9.4	94	49633	50161	1.63	1.55
9.5	95	50161	50689	1.73	1.58
9.6	96	50689	51217	1.36	1.43
9.7	97	51217	51745	1.79	1.95
9.8	98	51745	52273	1.55	1.87
9.9	99	52273	52801	1.75	1.83
10	100	52801	53329	1.64	1.68
10.1	101	53329	53857	1.32	1.46
10.2	102	53857	54385	1.29	1.63
10.3	103	54385	54913	1.69	1.88
10.4	104	54913	55441	1.86	1.96
10.5	105	55441	55969	1.81	1.85
10.6	106	55969	56497	1.45	1.35
10.7	107	56497	57025	1.30	1.28
10.8	108	57025	57553	1.32	1.61
10.9	109	57553	58081	1.94	2.11
11	110	58081	58609	1.59	1.53
11.1	111	58609	59137	1.87	1.63
11.2	112	59137	59665	1.31	1.47
11.3	113	59665	60193	1.67	1.79
11.4	114	60193	60721	1.81	2.02
11.5	115	60721	61249	1.76	1.76
11.6	116	61249	61777	1.72	1.68
11.7	117	61777	62305	1.36	1.48
11.8	118	62305	62833	1.54	1.64
11.9	119	62833	63361	1.66	1.64
12	120	63361	63889	1.46	1.40
12.1	121	63889	64417	1.58	1.64
12.2	122	64417	64945	1.63	1.71
12.3	123	64945	65473	1.82	1.82
12.4	124	65473	66001	1.51	1.54
12.5	125	66001	66529	1.61	1.84
12.6	126	66529	67057	1.27	1.71
12.7	127	67057	67585	1.46	1.80

12.8	128	67585	68113	1.42	1.80
12.9	129	68113	68641	1.53	1.80
13	130	68641	69169	1.30	1.59
13.1	131	69169	69697	1.37	1.56
13.2	132	69697	70225	1.41	1.71
13.3	133	70225	70753	1.50	1.77
13.4	134	70753	71281	1.85	1.93
13.5	135	71281	71809	1.51	1.62
13.6	136	71809	72337	1.50	1.76
13.7	137	72337	72865	1.97	2.07
13.8	138	72865	73393	1.88	1.72
13.9	139	73393	73921	1.81	1.63
14	140	73921	74449	1.69	1.52
14.1	141	74449	74977	1.59	1.77
14.2	142	74977	75505	1.68	1.71
14.3	143	75505	76033	1.80	1.84
14.4	144	76033	76561	1.45	1.51
14.5	145	76561	77089	1.47	1.54
14.6	146	77089	77617	1.87	1.76
14.7	147	77617	78145	1.69	1.95
14.8	148	78145	78673	1.62	1.82
14.9	149	78673	79201	1.67	1.95
15	150	79201	79729	1.62	1.68
15.1	151	79729	80257	1.55	1.85
15.2	152	80257	80785	1.81	1.76
15.3	153	80785	81313	2.48	2.51
15.4	154	81313	81841	1.93	1.89
15.5	155	81841	82369	2.78	2.96
15.6	156	82369	82897	2.09	2.34
15.7	157	82897	83425	2.08	2.13
15.8	158	83425	83953	2.29	2.37
15.9	159	83953	84481	2.08	2.18
16	160	84481	85009	3.13	3.26
16.1	161	85009	85537	2.47	2.53
16.2	162	85537	86065	1.86	1.83
16.3	163	86065	86593	1.41	1.60
16.4	164	86593	87121	1.43	1.49
16.5	165	87121	87649	1.48	1.54
16.6	166	87649	88177	1.47	1.61
16.7	167	88177	88705	1.60	1.75
16.8	168	88705	89233	1.31	1.34
16.9	169	89233	89761	1.36	1.38
17	170	89761	90289	1.52	1.55

17.1	171	90289	90817	1.81	2.03
17.2	172	90817	91345	1.58	1.62
17.3	173	91345	91873	1.70	1.70
17.4	174	91873	92401	1.73	1.62
17.5	175	92401	92929	1.59	1.64
17.6	176	92929	93457	1.46	1.54
17.7	177	93457	93985	1.70	1.87
17.8	178	93985	94513	1.40	1.41
17.9	179	94513	95041	1.72	1.83
18	180	95041	95569	1.84	1.81
18.1	181	95569	96097	1.65	1.74
18.2	182	96097	96625	2.01	1.88
18.3	183	96625	97153	1.83	1.86
18.4	184	97153	97681	1.51	1.64
18.5	185	97681	98209	1.69	1.71
18.6	186	98209	98737	1.60	1.53
18.7	187	98737	99265	1.79	1.66
18.8	188	99265	99793	1.69	1.69
18.9	189	99793	100321	1.97	1.87
19	190	100321	100849	1.75	1.90
19.1	191	100849	101377	2.07	2.08
19.2	192	101377	101905	1.75	1.67
19.3	193	101905	102433	1.62	1.68
19.4	194	102433	102961	1.89	2.00
19.5	195	102961	103489	1.64	1.80
19.6	196	103489	104017	1.56	1.49
19.7	197	104017	104545	1.60	1.62
19.8	198	104545	105073	1.49	1.48
19.9	199	105073	105601	1.86	1.97
20	200	105601	106129	1.48	1.61
20.1	201	106129	106657	3.46	3.53
20.2	202	106657	107185	2.87	3.09
20.3	203	107185	107713	3.21	3.61
20.4	204	107713	108241	2.29	2.37
20.5	205	108241	108769	2.21	2.00
20.6	206	108769	109297	2.41	2.51
20.7	207	109297	109825	2.02	2.48
20.8	208	109825	110353	2.57	2.75
20.9	209	110353	110881	3.07	3.22
21	210	110881	111409	3.94	3.76
21.1	211	111409	111937	3.43	3.36
21.2	212	111937	112465	2.43	2.76
21.3	213	112465	112993	2.82	3.09

21.4	214	112993	113521	2.38	2.36
21.5	215	113521	114049	2.34	2.34
21.6	216	114049	114577	1.55	1.52
21.7	217	114577	115105	1.90	1.70
21.8	218	115105	115633	1.62	1.64
21.9	219	115633	116161	1.85	1.92
22	220	116161	116689	2.49	2.58
22.1	221	116689	117217	2.53	2.58
22.2	222	117217	117745	1.97	2.27
22.3	223	117745	118273	1.60	1.98
22.4	224	118273	118801	1.96	2.32
22.5	225	118801	119329	2.55	2.80
22.6	226	119329	119857	2.78	3.25
22.7	227	119857	120385	2.08	2.68
22.8	228	120385	120913	2.58	2.63
22.9	229	120913	121441	2.77	3.10
23	230	121441	121969	2.87	3.35
23.1	231	121969	122497	2.26	2.49
23.2	232	122497	123025	2.23	2.68
23.3	233	123025	123553	2.42	2.59
23.4	234	123553	124081	2.19	2.47
23.5	235	124081	124609	2.73	3.34
23.6	236	124609	125137	2.85	3.18
23.7	237	125137	125665	2.60	2.56
23.8	238	125665	126193	2.68	2.48
23.9	239	126193	126721	2.80	2.98
24	240	126721	127249	2.63	2.97
24.1	241	127249	127777	2.94	3.13
24.2	242	127777	128305	2.83	2.84
24.3	243	128305	128833	2.83	2.82
24.4	244	128833	129361	2.46	2.47
24.5	245	129361	129889	2.25	2.47
24.6	246	129889	130417	1.94	1.77
24.7	247	130417	130945	2.09	1.91
24.8	248	130945	131473	1.90	2.11
24.9	249	131473	132001	3.72	3.93
25	250	132001	132529	2.90	3.02
25.1	251	132529	133057	2.79	3.20
25.2	252	133057	133585	2.91	3.40
25.3	253	133585	134113	2.58	2.88
25.4	254	134113	134641	2.22	2.26
25.5	255	134641	135169	2.40	2.50
25.6	256	135169	135697	2.58	2.86

25.7	257	135697	136225	2.23	2.27
25.8	258	136225	136753	2.32	2.24
25.9	259	136753	137281	1.85	1.90
26	260	137281	137809	2.13	2.29
26.1	261	137809	138337	3.15	3.70
26.2	262	138337	138865	2.34	3.07
26.3	263	138865	139393	1.65	1.98
26.4	264	139393	139921	2.27	2.69
26.5	265	139921	140449	2.11	2.93
26.6	266	140449	140977	2.26	2.95
26.7	267	140977	141505	2.48	2.94
26.8	268	141505	142033	3.33	3.86
26.9	269	142033	142561	1.93	2.43
27	270	142561	143089	2.01	2.37
27.1	271	143089	143617	2.80	2.89
27.2	272	143617	144145	3.27	3.97
27.3	273	144145	144673	2.55	2.71
27.4	274	144673	145201	2.01	2.10
27.5	275	145201	145729	2.96	3.02
27.6	276	145729	146257	2.22	2.37
27.7	277	146257	146785	2.42	2.62
27.8	278	146785	147313	2.00	2.20
27.9	279	147313	147841	1.69	1.84
28	280	147841	148369	2.38	2.32
28.1	281	148369	148897	2.29	2.50
28.2	282	148897	149425	2.40	2.67
28.3	283	149425	149953	2.46	2.51
28.4	284	149953	150481	1.96	2.29
28.5	285	150481	151009	2.03	2.36
28.6	286	151009	151537	2.34	2.74
28.7	287	151537	152065	2.65	2.59
28.8	288	152065	152593	2.13	1.99
28.9	289	152593	153121	1.54	1.70
29	290	153121	153649	2.05	2.34
29.1	291	153649	154177	1.56	1.57
29.2	292	154177	154705	2.10	2.17
29.3	293	154705	155233	1.74	1.94
29.4	294	155233	155761	2.24	2.28
29.5	295	155761	156289	1.99	2.07
29.6	296	156289	156817	1.92	1.76
29.7	297	156817	157345	2.39	2.18
29.8	298	157345	157873	1.95	1.93
29.9	299	157873	158401	1.30	1.53

30	300	158401	158929	1.95	2.12
30.1	301	158929	159457	2.51	2.49
30.2	302	159457	159985	3.00	2.99
30.3	303	159985	160513	2.19	2.21
30.4	304	160513	161041	2.12	2.17
30.5	305	161041	161569	1.84	1.93
30.6	306	161569	162097	2.14	2.14
30.7	307	162097	162625	1.90	2.10
30.8	308	162625	163153	2.38	2.28
30.9	309	163153	163681	5.30	5.28
31	310	163681	164209	4.14	4.03
31.1	311	164209	164737	4.08	4.08
31.2	312	164737	165265	7.02	6.96
31.3	313	165265	165793	2.89	2.83
31.4	314	165793	166321	2.32	2.29
31.5	315	166321	166849	2.09	2.02
31.6	316	166849	167377	2.00	2.08
31.7	317	167377	167905	3.04	3.24
31.8	318	167905	168433	1.43	1.48
31.9	319	168433	168961	1.52	1.64
32	320	168961	169489	1.61	1.67
32.1	321	169489	170017	2.36	2.56
32.2	322	170017	170545	1.87	2.15
32.3	323	170545	171073	2.26	2.34
32.4	324	171073	171601	1.86	2.01
32.5	325	171601	172129	1.73	1.80
32.6	326	172129	172657	1.70	1.95
32.7	327	172657	173185	2.22	2.28
32.8	328	173185	173713	2.14	2.18
32.9	329	173713	174241	2.19	2.09
33	330	174241	174769	1.87	1.83
33.1	331	174769	175297	2.20	2.21
33.2	332	175297	175825	1.87	1.80
33.3	333	175825	176353	2.35	2.56
33.4	334	176353	176881	2.60	2.69
33.5	335	176881	177409	2.64	2.63
33.6	336	177409	177937	2.61	2.67
33.7	337	177937	178465	2.31	2.17
33.8	338	178465	178993	2.49	2.51
33.9	339	178993	179521	2.30	2.24
34	340	179521	180049	2.29	2.16
34.1	341	180049	180577	2.25	2.20
34.2	342	180577	181105	2.50	2.56

34.3	343	181105	181633	3.56	3.55
34.4	344	181633	182161	4.19	4.22
34.5	345	182161	182689	2.14	2.15
34.6	346	182689	183217	1.95	1.90
34.7	347	183217	183745	1.47	1.67
34.8	348	183745	184273	2.83	2.74
34.9	349	184273	184801	2.09	2.14
35	350	184801	185329	1.80	1.99
35.1	351	185329	185857	2.61	2.98
35.2	352	185857	186385	3.08	3.30
35.3	353	186385	186913	2.60	2.72
35.4	354	186913	187441	2.53	2.55
35.5	355	187441	187969	2.28	2.31
35.6	356	187969	188497	2.89	3.01
35.7	357	188497	189025	2.57	2.55
35.8	358	189025	189553	3.33	2.91
35.9	359	189553	190081	5.44	5.32
36	360	190081	190609	4.18	4.18
36.1	361	190609	191137	1.87	1.88
36.2	362	191137	191665	2.13	2.19
36.3	363	191665	192193	1.67	1.67
36.4	364	192193	192721	1.72	1.97
36.5	365	192721	193249	2.00	2.30
36.6	366	193249	193777	1.93	2.14
36.7	367	193777	194305	1.78	1.96
36.8	368	194305	194833	2.06	2.17
36.9	369	194833	195361	1.85	2.12
37	370	195361	195889	2.12	2.35
37.1	371	195889	196417	4.54	4.41
37.2	372	196417	196945	3.04	3.19
37.3	373	196945	197473	1.93	1.95
37.4	374	197473	198001	2.42	2.47
37.5	375	198001	198529	1.78	1.91
37.6	376	198529	199057	2.14	2.41
37.7	377	199057	199585	2.29	2.54
37.8	378	199585	200113	3.38	3.41
37.9	379	200113	200641	3.78	3.78
38	380	200641	201169	1.90	2.08
38.1	381	201169	201697	3.96	4.08
38.2	382	201697	202225	2.67	2.52
38.3	383	202225	202753	1.95	2.08
38.4	384	202753	203281	2.26	2.42
38.5	385	203281	203809	2.20	2.28

38.6	386	203809	204337	2.54	2.33
38.7	387	204337	204865	3.02	2.93
38.8	388	204865	205393	2.06	2.12
38.9	389	205393	205921	2.31	2.29
39	390	205921	206449	2.25	2.12
39.1	391	206449	206977	2.93	2.99
39.2	392	206977	207505	2.55	2.50
39.3	393	207505	208033	1.92	1.94
39.4	394	208033	208561	1.64	1.65
39.5	395	208561	209089	2.49	2.55
39.6	396	209089	209617	2.18	2.09
39.7	397	209617	210145	1.92	1.88
39.8	398	210145	210673	3.16	3.20
39.9	399	210673	211201	2.83	2.67
40	400	211201	211729	2.91	2.75
40.1	401	211729	212257	2.59	2.46
40.2	402	212257	212785	1.71	1.74
40.3	403	212785	213313	1.99	1.93
40.4	404	213313	213841	2.34	2.18
40.5	405	213841	214369	1.54	1.55
40.6	406	214369	214897	1.76	1.82
40.7	407	214897	215425	1.73	1.74
40.8	408	215425	215953	3.17	3.05
40.9	409	215953	216481	1.84	1.86
41	410	216481	217009	2.06	2.23
41.1	411	217009	217537	1.83	1.87
41.2	412	217537	218065	1.96	2.17
41.3	413	218065	218593	2.38	2.35
41.4	414	218593	219121	2.25	2.18
41.5	415	219121	219649	2.15	2.00
41.6	416	219649	220177	3.50	3.22
41.7	417	220177	220705	2.35	2.10
41.8	418	220705	221233	1.70	1.73
41.9	419	221233	221761	1.46	1.31
42	420	221761	222289	2.05	1.92
42.1	421	222289	222817	2.61	2.46
42.2	422	222817	223345	2.39	2.37
42.3	423	223345	223873	4.19	4.17
42.4	424	223873	224401	4.52	4.69
42.5	425	224401	224929	2.68	2.94
42.6	426	224929	225457	1.98	2.09
42.7	427	225457	225985	2.09	2.14
42.8	428	225985	226513	2.39	2.33

42.9	429	226513	227041	2.34	2.30
43	430	227041	227569	1.59	1.45
43.1	431	227569	228097	1.84	1.86
43.2	432	228097	228625	2.12	2.19
43.3	433	228625	229153	1.88	1.67
43.4	434	229153	229681	1.70	1.66
43.5	435	229681	230209	1.95	1.89
43.6	436	230209	230737	2.00	2.09
43.7	437	230737	231265	2.48	2.20
43.8	438	231265	231793	2.05	1.90
43.9	439	231793	232321	2.10	1.89
44	440	232321	232849	2.06	1.76
44.1	441	232849	233377	2.68	2.55
44.2	442	233377	233905	1.60	1.66
44.3	443	233905	234433	2.77	2.77
44.4	444	234433	234961	3.16	3.16
44.5	445	234961	235489	2.95	2.82
44.6	446	235489	236017	1.79	2.30
44.7	447	236017	236545	2.25	2.25
44.8	448	236545	237073	2.25	2.13
44.9	449	237073	237601	2.45	2.47
45	450	237601	238129	1.88	1.79
45.1	451	238129	238657	1.47	1.60
45.2	452	238657	239185	1.86	1.88
45.3	453	239185	239713	1.94	1.85
45.4	454	239713	240241	2.10	2.02
45.5	455	240241	240769	2.27	2.26
45.6	456	240769	241297	2.49	2.42
45.7	457	241297	241825	1.94	1.72
45.8	458	241825	242353	1.67	1.53
45.9	459	242353	242881	1.81	1.84
46	460	242881	243409	2.29	2.22
46.1	461	243409	243937	1.97	1.65
46.2	462	243937	244465	2.36	2.16
46.3	463	244465	244993	2.49	2.47
46.4	464	244993	245521	1.90	2.09
46.5	465	245521	246049	1.70	1.87
46.6	466	246049	246577	2.42	2.33
46.7	467	246577	247105	2.72	2.53
46.8	468	247105	247633	1.65	1.61
46.9	469	247633	248161	5.93	5.97
47	470	248161	248689	1.71	1.93
47.1	471	248689	249217	2.52	2.58

47.2	472	249217	249745	3.69	3.70
47.3	473	249745	250273	2.27	2.27
47.4	474	250273	250801	2.11	1.99
47.5	475	250801	251329	7.49	7.27
47.6	476	251329	251857	2.44	2.67
47.7	477	251857	252385	3.37	3.15
47.8	478	252385	252913	3.23	3.51
47.9	479	252913	253441	3.83	3.62
48	480	253441	253969	5.78	5.35
48.1	481	253969	254497	8.58	8.67
48.2	482	254497	255025	8.48	8.29
48.3	483	255025	255553	11.08	11.42
48.4	484	255553	256081	5.11	4.89
48.5	485	256081	256609	6.31	6.19
48.6	486	256609	257137	5.69	5.90
48.7	487	257137	257665	5.85	5.78
48.8	488	257665	258193	3.60	3.69
48.9	489	258193	258721	6.21	5.91
49	490	258721	259249	3.35	3.32
49.1	491	259249	259777	5.35	5.52
49.2	492	259777	260305	1.86	1.70
49.3	493	260305	260833	1.50	1.64
49.4	494	260833	261361	1.53	1.69
49.5	495	261361	261889	1.77	1.75
49.6	496	261889	262417	1.69	1.81
49.7	497	262417	262945	1.20	1.32
49.8	498	262945	263473	1.72	1.84
49.9	499	263473	264001	2.19	2.41
50	500	264001	264529	1.73	1.92
50.1	501	264529	265057	1.60	1.72
50.2	502	265057	265585	2.09	1.95
50.3	503	265585	266113	2.39	2.14
50.4	504	266113	266641	2.60	2.69
50.5	505	266641	267169	1.83	1.99
50.6	506	267169	267697	1.58	1.69
50.7	507	267697	268225	1.83	2.10
50.8	508	268225	268753	2.10	2.10
50.9	509	268753	269281	2.26	2.01
51	510	269281	269809	1.50	1.55
51.1	511	269809	270337	1.85	1.69
51.2	512	270337	270865	1.80	1.72
51.3	513	270865	271393	1.72	1.53
51.4	514	271393	271921	1.44	1.62

51.5	515	271921	272449	1.51	1.57
51.6	516	272449	272977	1.71	1.73
51.7	517	272977	273505	1.78	1.79
51.8	518	273505	274033	1.67	1.76
51.9	519	274033	274561	2.41	2.74
52	520	274561	275089	1.70	2.18
52.1	521	275089	275617	1.58	2.28
52.2	522	275617	276145	1.77	2.12
52.3	523	276145	276673	1.77	1.86
52.4	524	276673	277201	1.82	1.77
52.5	525	277201	277729	3.15	3.33
52.6	526	277729	278257	5.63	5.62
52.7	527	278257	278785	2.46	2.46
52.8	528	278785	279313	2.05	2.25
52.9	529	279313	279841	2.61	2.61
53	530	279841	280369	2.47	2.40
53.1	531	280369	280897	2.38	2.30
53.2	532	280897	281425	1.92	1.72
53.3	533	281425	281953	2.05	2.00
53.4	534	281953	282481	2.07	1.98
53.5	535	282481	283009	2.08	2.08
53.6	536	283009	283537	2.88	2.87
53.7	537	283537	284065	2.38	2.30
53.8	538	284065	284593	2.17	2.13
53.9	539	284593	285121	3.24	3.24
54	540	285121	285649	2.96	3.06
54.1	541	285649	286177	2.44	2.59
54.2	542	286177	286705	2.29	2.23
54.3	543	286705	287233	2.20	2.33
54.4	544	287233	287761	1.94	1.98
54.5	545	287761	288289	1.92	1.92
54.6	546	288289	288817	2.43	2.49
54.7	547	288817	289345	2.17	2.30
54.8	548	289345	289873	2.35	2.36
54.9	549	289873	290401	3.04	2.90
55	550	290401	290929	2.64	2.57
55.1	551	290929	291457	2.88	2.81
55.2	552	291457	291985	4.54	4.40
55.3	553	291985	292513	5.10	5.06
55.4	554	292513	293041	3.04	3.20
55.5	555	293041	293569	3.58	3.88
55.6	556	293569	294097	3.13	3.11
55.7	557	294097	294625	3.23	3.10

55.8	558	294625	295153	3.37	3.39
55.9	559	295153	295681	2.24	2.28
56	560	295681	296209	3.81	3.90
56.1	561	296209	296737	3.07	3.09
56.2	562	296737	297265	2.18	2.27
56.3	563	297265	297793	2.22	2.23
56.4	564	297793	298321	2.15	2.18
56.5	565	298321	298849	2.41	2.55
56.6	566	298849	299377	2.52	2.34
56.7	567	299377	299905	4.95	4.81
56.8	568	299905	300433	3.51	3.73
56.9	569	300433	300961	3.41	3.21
57	570	300961	301489	3.38	3.48
57.1	571	301489	302017	4.15	4.37
57.2	572	302017	302545	3.93	4.13
57.3	573	302545	303073	3.25	3.36
57.4	574	303073	303601	4.46	4.31
57.5	575	303601	304129	4.17	3.96
57.6	576	304129	304657	4.31	4.37
57.7	577	304657	305185	5.61	5.62
57.8	578	305185	305713	3.62	3.68
57.9	579	305713	306241	4.19	4.12
58	580	306241	306769	6.06	5.87
58.1	581	306769	307297	5.16	5.30
58.2	582	307297	307825	7.61	7.42
58.3	583	307825	308353	5.55	5.51
58.4	584	308353	308881	8.63	8.74
58.5	585	308881	309409	4.64	4.40
58.6	586	309409	309937	5.76	5.93
58.7	587	309937	310465	5.29	5.42
58.8	588	310465	310993	5.42	5.42
58.9	589	310993	311521	6.27	6.29
59	590	311521	312049	6.52	6.34
59.1	591	312049	312577	5.64	5.55
59.2	592	312577	313105	4.05	4.11
59.3	593	313105	313633	3.01	2.94
59.4	594	313633	314161	4.35	4.26
59.5	595	314161	314689	4.44	4.54
59.6	596	314689	315217	3.43	3.53
59.7	597	315217	315745	3.16	2.97
59.8	598	315745	316273	2.87	3.08
59.9	599	316273	316801	4.27	4.27
60	600	316801	317329	5.30	5.11

60.1	601	317329	317857	4.43	4.45
60.2	602	317857	318385	3.28	3.21
60.3	603	318385	318913	3.63	3.63
60.4	604	318913	319441	6.25	6.24
60.5	605	319441	319969	5.84	5.89
60.6	606	319969	320497	6.50	6.55
60.7	607	320497	321025	5.72	5.90
60.8	608	321025	321553	4.55	4.53
60.9	609	321553	322081	3.49	3.27
61	610	322081	322609	2.20	2.23
61.1	611	322609	323137	4.81	4.95
61.2	612	323137	323665	3.29	3.25
61.3	613	323665	324193	4.67	4.64
61.4	614	324193	324721	2.66	2.49
61.5	615	324721	325249	2.62	2.88
61.6	616	325249	325777	3.29	3.24
61.7	617	325777	326305	3.40	3.40
61.8	618	326305	326833	2.21	2.35
61.9	619	326833	327361	2.98	2.91
62	620	327361	327889	2.13	2.54
62.1	621	327889	328417	2.77	2.74
62.2	622	328417	328945	2.06	2.07
62.3	623	328945	329473	2.23	2.27
62.4	624	329473	330001	2.68	2.87
62.5	625	330001	330529	3.99	4.23
62.6	626	330529	331057	3.08	3.07
62.7	627	331057	331585	3.77	3.86
62.8	628	331585	332113	2.32	2.24
62.9	629	332113	332641	2.91	3.00
63	630	332641	333169	3.42	3.54
63.1	631	333169	333697	3.02	2.98
63.2	632	333697	334225	3.16	3.20
63.3	633	334225	334753	4.45	4.52
63.4	634	334753	335281	3.23	3.19
63.5	635	335281	335809	1.85	2.13
63.6	636	335809	336337	2.15	2.22
63.7	637	336337	336865	2.70	2.72
63.8	638	336865	337393	2.11	2.19
63.9	639	337393	337921	2.59	2.78
64	640	337921	338449	2.37	2.58
64.1	641	338449	338977	2.87	2.98
64.2	642	338977	339505	2.64	2.81
64.3	643	339505	340033	3.04	3.21

64.4	644	340033	340561	2.55	2.53
64.5	645	340561	341089	2.35	2.46
64.6	646	341089	341617	2.24	2.26
64.7	647	341617	342145	2.26	2.24
64.8	648	342145	342673	4.65	4.79
64.9	649	342673	343201	5.71	5.65
65	650	343201	343729	2.15	2.21
65.1	651	343729	344257	3.01	2.98
65.2	652	344257	344785	2.09	2.15
65.3	653	344785	345313	2.63	2.61
65.4	654	345313	345841	2.32	2.37
65.5	655	345841	346369	2.15	2.15
65.6	656	346369	346897	2.22	2.20
65.7	657	346897	347425	2.07	2.11
65.8	658	347425	347953	1.77	1.90
65.9	659	347953	348481	2.05	2.27
66	660	348481	349009	2.61	2.80
66.1	661	349009	349537	2.41	2.34
66.2	662	349537	350065	1.79	1.96
66.3	663	350065	350593	1.98	2.09
66.4	664	350593	351121	2.55	2.63
66.5	665	351121	351649	3.34	3.30
66.6	666	351649	352177	5.12	5.09
66.7	667	352177	352705	2.84	2.85
66.8	668	352705	353233	4.62	4.80
66.9	669	353233	353761	3.36	3.39
67	670	353761	354289	4.10	4.08
67.1	671	354289	354817	8.66	8.18
67.2	672	354817	355345	3.49	3.40
67.3	673	355345	355873	3.64	3.55
67.4	674	355873	356401	2.99	3.18
67.5	675	356401	356929	4.19	4.26
67.6	676	356929	357457	2.62	2.82
67.7	677	357457	357985	2.24	2.27
67.8	678	357985	358513	3.66	3.97
67.9	679	358513	359041	5.61	5.58
68	680	359041	359569	4.70	4.65
68.1	681	359569	360097	2.42	2.40
68.2	682	360097	360625	3.62	3.59
68.3	683	360625	361153	2.98	2.96
68.4	684	361153	361681	3.82	3.90
68.5	685	361681	362209	3.29	3.29
68.6	686	362209	362737	2.27	2.22

68.7	687	362737	363265	2.09	2.24
68.8	688	363265	363793	2.76	2.90
68.9	689	363793	364321	3.03	3.09
69	690	364321	364849	4.73	4.83
69.1	691	364849	365377	6.10	6.26
69.2	692	365377	365905	6.28	6.41
69.3	693	365905	366433	3.83	3.81
69.4	694	366433	366961	3.72	3.64
69.5	695	366961	367489	3.62	3.59
69.6	696	367489	368017	4.05	3.99
69.7	697	368017	368545	1.97	2.10
69.8	698	368545	369073	1.77	1.79
69.9	699	369073	369601	3.21	3.25
70	700	369601	370129	1.82	1.87
70.1	701	370129	370657	2.24	2.36
70.2	702	370657	371185	2.34	2.41
70.3	703	371185	371713	2.79	2.99
70.4	704	371713	372241	3.62	3.71
70.5	705	372241	372769	3.12	3.27
70.6	706	372769	373297	2.98	3.18
70.7	707	373297	373825	3.01	3.21
70.8	708	373825	374353	5.09	5.30
70.9	709	374353	374881	3.45	3.33
71	710	374881	375409	2.35	2.30
71.1	711	375409	375937	1.78	1.84
71.2	712	375937	376465	1.67	1.61
71.3	713	376465	376993	1.71	1.77
71.4	714	376993	377521	1.84	1.78
71.5	715	377521	378049	1.65	1.60
71.6	716	378049	378577	1.30	1.32
71.7	717	378577	379105	1.30	1.32
71.8	718	379105	379633	5.66	5.02
71.9	719	379633	380161	1.51	1.55
72	720	380161	380689	1.56	1.60
72.1	721	380689	381217	1.36	1.26
72.2	722	381217	381745	1.51	1.36
72.3	723	381745	382273	1.56	1.48
72.4	724	382273	382801	1.53	1.59
72.5	725	382801	383329	1.56	1.47
72.6	726	383329	383857	1.44	1.43
72.7	727	383857	384385	1.91	1.71
72.8	728	384385	384913	2.04	2.01
72.9	729	384913	385441	1.07	1.18

73	730	385441	385969	1.57	1.68
73.1	731	385969	386497	1.33	1.37
73.2	732	386497	387025	1.31	1.26
73.3	733	387025	387553	1.69	1.56
73.4	734	387553	388081	1.31	1.40
73.5	735	388081	388609	1.64	1.58
73.6	736	388609	389137	1.94	1.92
73.7	737	389137	389665	2.16	2.35
73.8	738	389665	390193	2.50	2.64
73.9	739	390193	390721	2.06	1.94
74	740	390721	391249	1.84	1.76
74.1	741	391249	391777	2.29	2.21
74.2	742	391777	392305	2.87	2.77
74.3	743	392305	392833	1.68	1.59
74.4	744	392833	393361	2.18	2.08
74.5	745	393361	393889	1.63	1.70
74.6	746	393889	394417	2.31	2.22
74.7	747	394417	394945	2.26	2.27
74.8	748	394945	395473	1.72	1.70
74.9	749	395473	396001	1.73	1.74
75	750	396001	396529	1.49	1.49
75.1	751	396529	397057	2.09	2.04
75.2	752	397057	397585	1.14	1.20
75.3	753	397585	398113	1.33	1.69
75.4	754	398113	398641	1.42	1.27
75.5	755	398641	399169	1.09	1.22
75.6	756	399169	399697	1.62	1.56
75.7	757	399697	400225	1.08	1.27
75.8	758	400225	400753	1.42	1.49
75.9	759	400753	401281	1.07	1.11
76	760	401281	401809	1.21	1.17
76.1	761	401809	402337	1.45	1.54
76.2	762	402337	402865	1.27	1.12
76.3	763	402865	403393	0.99	0.87
76.4	764	403393	403921	1.49	1.37
76.5	765	403921	404449	0.95	1.20
76.6	766	404449	404977	1.07	1.24
76.7	767	404977	405505	1.21	1.21
76.8	768	405505	406033	1.29	1.34
76.9	769	406033	406561	1.32	1.44
77	770	406561	407089	1.42	1.55
77.1	771	407089	407617	1.38	1.50
77.2	772	407617	408145	3.27	3.03

77.3	773	408145	408673	1.26	1.27
77.4	774	408673	409201	2.19	2.08
77.5	775	409201	409729	5.12	5.32
77.6	776	409729	410257	3.91	3.98
77.7	777	410257	410785	2.60	2.81
77.8	778	410785	411313	2.21	2.50
77.9	779	411313	411841	3.97	4.07
78	780	411841	412369	3.04	3.35
78.1	781	412369	412897	2.16	2.33
78.2	782	412897	413425	2.79	2.68
78.3	783	413425	413953	4.06	4.10
78.4	784	413953	414481	2.95	2.96
78.5	785	414481	415009	2.66	2.78
78.6	786	415009	415537	3.45	3.48
78.7	787	415537	416065	2.45	2.61
78.8	788	416065	416593	2.51	2.46
78.9	789	416593	417121	2.38	2.26
79	790	417121	417649	2.06	2.11
79.1	791	417649	418177	3.55	3.55
79.2	792	418177	418705	2.43	2.52
79.3	793	418705	419233	3.12	3.06
79.4	794	419233	419761	5.38	5.46
79.5	795	419761	420289	3.68	3.64
79.6	796	420289	420817	2.40	2.35
79.7	797	420817	421345	4.10	4.16
79.8	798	421345	421873	7.13	6.76
79.9	799	421873	422401	4.86	4.94
80	800	422401	422929	2.66	2.79
80.1	801	422929	423457	4.32	4.13
80.2	802	423457	423985	2.47	2.65
80.3	803	423985	424513	4.78	5.04
80.4	804	424513	425041	3.29	3.36
80.5	805	425041	425569	2.24	2.23
80.6	806	425569	426097	2.68	2.78
80.7	807	426097	426625	3.00	2.98
80.8	808	426625	427153	3.65	3.85
80.9	809	427153	427681	3.97	3.95
81	810	427681	428209	3.47	3.47
81.1	811	428209	428737	3.29	3.23
81.2	812	428737	429265	2.09	2.16
81.3	813	429265	429793	2.41	2.35
81.4	814	429793	430321	2.61	2.42
81.5	815	430321	430849	2.77	2.57

81.6	816	430849	431377	3.18	3.28
81.7	817	431377	431905	1.79	1.95
81.8	818	431905	432433	2.17	2.15
81.9	819	432433	432961	2.93	2.90
82	820	432961	433489	3.80	3.66
82.1	821	433489	434017	2.78	2.86
82.2	822	434017	434545	3.30	3.18
82.3	823	434545	435073	3.16	3.07
82.4	824	435073	435601	3.23	3.20
82.5	825	435601	436129	4.14	3.88
82.6	826	436129	436657	2.56	2.61
82.7	827	436657	437185	3.53	3.80
82.8	828	437185	437713	3.60	3.54
82.9	829	437713	438241	4.52	4.58
83	830	438241	438769	3.80	3.95
83.1	831	438769	439297	4.18	4.40
83.2	832	439297	439825	2.95	2.82
83.3	833	439825	440353	4.30	4.41
83.4	834	440353	440881	2.01	2.12
83.5	835	440881	441409	3.17	3.11
83.6	836	441409	441937	7.03	7.04
83.7	837	441937	442465	2.43	2.38
83.8	838	442465	442993	2.39	2.36
83.9	839	442993	443521	2.96	2.91
84	840	443521	444049	3.54	3.41
84.1	841	444049	444577	3.23	3.30
84.2	842	444577	445105	4.08	4.20
84.3	843	445105	445633	4.02	4.21
84.4	0	1	529	3.88	4.18
84.5	1	529	1057	3.65	3.79
84.6	2	1057	1585	2.92	2.84
84.7	3	1585	2113	2.49	2.41
84.8	4	2113	2641	3.87	4.09
84.9	5	2641	3169	2.68	2.60
85	6	3169	3697	2.66	2.71
85.1	7	3697	4225	2.02	2.03
85.2	8	4225	4753	3.57	3.66
85.3	9	4753	5281	5.56	5.50
85.4	10	5281	5809	2.09	2.07
85.5	11	5809	6337	3.19	3.14
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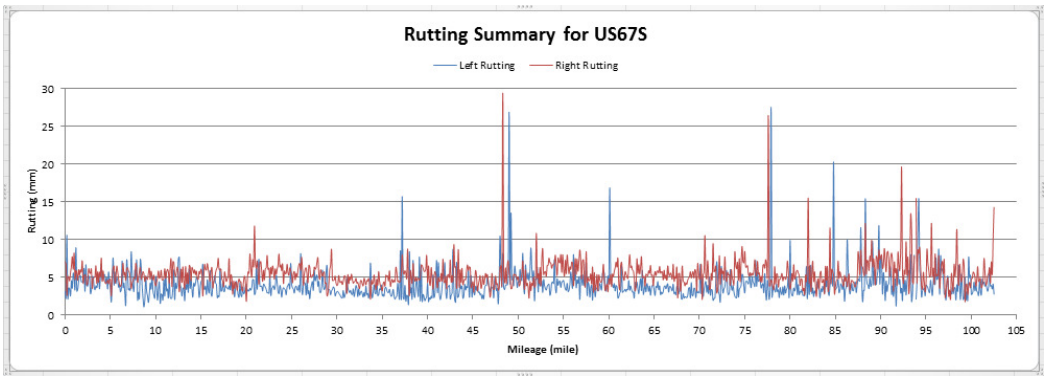
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86.3	19	10033	10561	2.94	3.50
86.4	20	10561	11089	7.10	7.17
86.5	21	11089	11617	2.07	2.05
86.6	22	11617	12145	2.05	2.20
86.7	23	12145	12673	2.01	2.12
86.8	24	12673	13201	1.78	1.79
86.9	25	13201	13729	2.57	2.32
87	26	13729	14257	2.11	2.27
87.1	27	14257	14785	1.97	2.36
87.2	28	14785	15313	2.37	2.53
87.3	29	15313	15841	2.99	2.95
87.4	30	15841	16369	4.92	4.96
87.5	31	16369	16897	5.63	5.61
87.6	32	16897	17425	5.22	5.59
87.7	33	17425	17953	3.91	4.27
87.8	34	17953	18481	3.55	3.88
87.9	35	18481	19009	4.34	4.62
88	36	19009	19537	3.68	3.78
88.1	37	19537	20065	4.23	4.51
88.2	38	20065	20593	3.84	3.98
88.3	39	20593	21121	3.57	3.71
88.4	40	21121	21649	3.17	3.32
88.5	41	21649	22177	4.73	5.01
88.6	42	22177	22705	5.19	5.16
88.7	43	22705	23233	5.49	5.45
88.8	44	23233	23761	5.20	4.92
88.9	45	23761	24289	3.02	3.03
89	46	24289	24817	3.96	4.40
89.1	47	24817	25345	3.67	3.84
89.2	48	25345	25873	4.92	5.21
89.3	49	25873	26401	5.10	5.35
89.4	50	26401	26929	4.03	4.00
89.5	51	26929	27457	7.41	7.13
89.6	52	27457	27985	6.78	6.87
89.7	53	27985	28513	5.72	5.72
89.8	54	28513	29041	6.22	6.31
89.9	55	29041	29569	9.12	9.46
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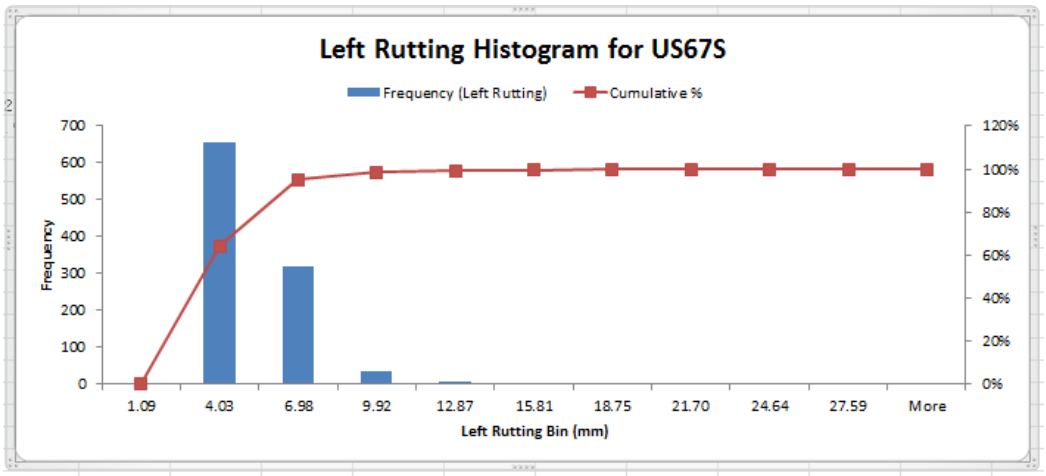
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90.6	62	32737	33265	3.51	3.89
90.7	63	33265	33793	4.03	4.31
90.8	64	33793	34321	7.48	7.62
90.9	65	34321	34849	4.80	5.29
91	66	34849	35377	2.90	3.04
91.1	67	35377	35905	4.11	4.23
91.2	68	35905	36433	3.73	3.82
91.3	69	36433	36961	3.56	3.67
91.4	70	36961	37489	3.36	3.49
91.5	71	37489	38017	3.49	3.57
91.6	72	38017	38545	3.12	3.14
91.7	73	38545	39073	3.32	3.56
91.8	74	39073	39601	4.17	4.33
91.9	75	39601	40129	3.72	3.91
92	76	40129	40657	4.17	4.15
92.1	77	40657	41185	4.34	3.77
92.2	78	41185	41713	2.47	2.37
92.3	79	41713	42241	2.98	2.81
92.4	80	42241	42769	1.95	1.86
92.5	81	42769	43297	1.80	1.76
92.6	82	43297	43825	4.16	4.23
92.7	83	43825	44353	2.52	2.51
92.8	84	44353	44881	5.32	5.19
92.9	85	44881	45409	2.76	3.03
93	86	45409	45937	4.07	3.04
93.1	87	45937	46465	2.24	2.22
93.2	88	46465	46993	2.26	1.99
93.3	89	46993	47521	2.15	2.08
93.4	90	47521	48049	1.86	1.87
93.5	91	48049	48577	2.20	2.33
93.6	92	48577	49105	4.21	4.17
93.7	93	49105	49633	2.28	2.49
93.8					
93.9	0	1	529	2.70	2.61
94	1	529	1057	4.66	4.46
94.1	2	1057	1585	3.87	4.06
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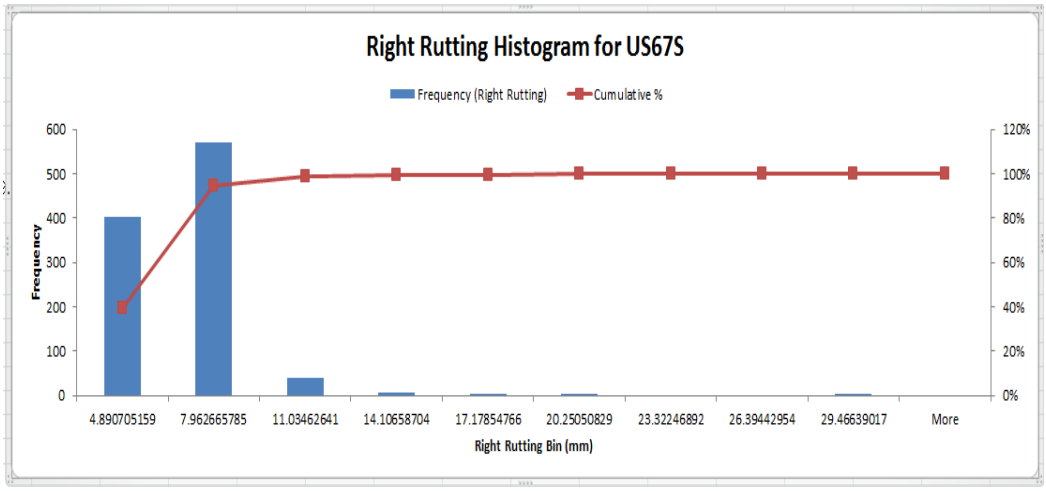
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94.8	9	4753	5281	1.70	1.84
94.9	10	5281	5809	1.67	1.61
95	11	5809	6337	2.99	2.90
95.1	12	6337	6865	3.67	3.71
95.2	13	6865	7393	3.18	3.24
95.3	14	7393	7921	1.74	1.83
95.4	15	7921	8449	1.83	1.85
95.5	16	8449	8977	1.54	1.63
95.6	17	8977	9505	1.79	1.95
95.7	18	9505	10033	1.70	1.78
95.8	19	10033	10561	1.81	1.76
95.9	20	10561	11089	1.92	1.93
96	21	11089	11617	2.12	2.04
96.1	22	11617	12145	1.62	1.60
96.2	23	12145	12673	2.02	1.91
96.3	24	12673	13201	1.97	1.82
96.4	25	13201	13729	1.91	1.94
96.5	26	13729	14257	1.51	1.59
96.6	27	14257	14785	1.72	1.57
96.7	28	14785	15313	1.57	1.53
96.8	29	15313	15841	1.84	1.60
96.9	30	15841	16369	2.03	1.95
97	31	16369	16897	2.06	1.93
97.1	32	16897	17425	1.76	1.79
97.2	33	17425	17953	1.80	1.99
97.3	34	17953	18481	1.89	2.16
97.4	35	18481	19009	1.71	2.07
97.5	36	19009	19537	1.31	1.47
97.6	37	19537	20065	1.42	1.50
97.7	38	20065	20593	1.95	2.20
97.8	39	20593	21121	1.64	1.81
97.9	40	21121	21649	1.83	1.98
98	41	21649	22177	1.70	2.01
98.1	42	22177	22705	1.86	1.92
98.2	43	22705	23233	1.65	1.55
98.3	44	23233	23761	2.47	2.44
98.4	45	23761	24289	1.86	1.80
98.5	46	24289	24817	1.79	2.02
98.6	47	24817	25345	1.56	1.82
98.7	48	25345	25873	2.14	2.17

98.8	49	25873	26401	5.26	5.36
98.9	50	26401	26929	1.49	1.69
99	51	26929	27457	1.56	1.68
99.1	52	27457	27985	1.41	1.64
99.2	53	27985	28513	2.23	2.28
99.3	54	28513	29041	2.58	2.84
99.4	55	29041	29569	5.06	4.94
99.5	56	29569	30097	2.40	2.29
99.6	57	30097	30625	2.70	2.78
99.7	58	30625	31153	2.30	2.12
99.8	59	31153	31681	1.60	1.52
99.9	60	31681	32209	1.93	1.73
100	61	32209	32737	1.28	1.10
100.1	62	32737	33265	1.79	1.92
100.2	63	33265	33793	3.04	3.13
100.3	64	33793	34321	2.51	2.61
100.4	65	34321	34849	2.84	2.90
100.5	66	34849	35377	1.75	1.84
100.6	67	35377	35905	1.57	1.62
100.7	68	35905	36433	1.39	1.48
100.8	69	36433	36961	2.21	2.38
100.9	70	36961	37489	2.01	2.17
101	71	37489	38017	2.13	2.32
101.1	72	38017	38545	1.82	2.00
101.2	73	38545	39073	1.83	2.23
101.3	74	39073	39601	2.09	2.38
101.4	75	39601	40129	1.83	2.13
101.5	76	40129	40657	1.97	2.25
101.6	77	40657	41185	2.09	2.66
101.7	78	41185	41713	2.13	2.25
101.8	79	41713	42241	2.04	2.17
101.9	80	42241	42769	2.05	2.07
102	81	42769	43297	2.18	2.01
102.1	82	43297	43825	2.53	2.28
102.2	83	43825	44353	3.35	3.21
102.3	84	44353	44881	1.94	1.98
102.4	85	44881	45409	2.21	2.17
102.5	86	45409	45937	1.71	1.79

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	3.15	7.09
0.1	1	529	1057	2.28	6.74
0.2	2	1057	1585	10.62	2.61
0.3	3	1585	2113	2.26	5.14
0.4	4	2113	2641	3.61	5.08
0.5	5	2641	3169	3.52	4.54
0.6	6	3169	3697	2.54	5.66
0.7	7	3697	4225	4.59	6.54
0.8	8	4225	4753	3.56	7.78
0.9	9	4753	5281	5.58	6.08
1	10	5281	5809	4.85	8.25
1.1	11	5809	6337	3.46	4.74
1.2	12	6337	6865	8.98	5.95
1.3	13	6865	7393	3.17	5.57
1.4	14	7393	7921	3.39	4.62
1.5	15	7921	8449	4.46	6.05
1.6	16	8449	8977	5.18	5.34
1.7	17	8977	9505	5.26	6.04
1.8	18	9505	10033	4.42	5.72
1.9	19	10033	10561	4.47	7.23
2	20	10561	11089	4.38	4.26
2.1	21	11089	11617	6.22	5.13
2.2	22	11617	12145	3.15	5.40
2.3	23	12145	12673	6.70	5.08
2.4	24	12673	13201	3.89	3.99
2.5	25	13201	13729	3.86	4.29
2.6	26	13729	14257	4.98	6.15
2.7	27	14257	14785	5.17	5.68
2.8	28	14785	15313	2.87	5.54
2.9	29	15313	15841	3.32	6.14
3	30	15841	16369	5.14	3.53
3.1	31	16369	16897	5.08	4.86
3.2	32	16897	17425	3.85	4.99
3.3	33	17425	17953	3.35	5.08
3.4	34	17953	18481	3.92	6.58
3.5	35	18481	19009	3.61	4.22
3.6	36	19009	19537	4.32	5.78
3.7	37	19537	20065	5.40	4.36
3.8	38	20065	20593	3.49	5.73
3.9	39	20593	21121	5.08	5.13
4	40	21121	21649	6.78	7.59
4.1	41	21649	22177	4.76	4.49

4.2	42	22177	22705	5.10	5.91
4.3	43	22705	23233	5.44	4.64
4.4	44	23233	23761	5.30	4.40
4.5	45	23761	24289	4.21	4.17
4.6	46	24289	24817	4.96	4.40
4.7	47	24817	25345	3.46	4.64
4.8	48	25345	25873	5.75	4.15
4.9	49	25873	26401	4.44	4.78
5	50	26401	26929	3.59	4.79
5.1	51	26929	27457	1.73	2.55
5.2	52	27457	27985	4.53	5.34
5.3	53	27985	28513	7.62	6.32
5.4	54	28513	29041	4.00	6.52
5.5	55	29041	29569	5.72	4.29
5.6	56	29569	30097	4.20	4.88
5.7	57	30097	30625	4.97	6.54
5.8	58	30625	31153	4.68	5.74
5.9	59	31153	31681	3.70	4.86
6	60	31681	32209	4.14	4.15
6.1	61	32209	32737	3.09	3.81
6.2	62	32737	33265	3.35	4.03
6.3	63	33265	33793	7.20	5.45
6.4	64	33793	34321	3.68	6.92
6.5	65	34321	34849	4.29	5.29
6.6	66	34849	35377	2.90	5.71
6.7	67	35377	35905	1.41	4.62
6.8	68	35905	36433	7.22	6.16
6.9	69	36433	36961	5.68	6.30
7	70	36961	37489	3.36	5.90
7.1	71	37489	38017	3.54	5.65
7.2	72	38017	38545	3.27	4.89
7.3	73	38545	39073	8.39	3.52
7.4	74	39073	39601	5.67	4.29
7.5	75	39601	40129	3.81	4.55
7.6	76	40129	40657	3.19	4.99
7.7	77	40657	41185	6.01	4.88
7.8	78	41185	41713	4.65	6.91
7.9	79	41713	42241	7.32	5.84
8	80	42241	42769	2.04	4.33
8.1	81	42769	43297	3.05	5.05
8.2	82	43297	43825	2.22	5.75
8.3	83	43825	44353	7.33	6.33
8.4	84	44353	44881	6.33	4.77

8.5	85	44881	45409	4.00	5.22
8.6	86	45409	45937	2.28	5.79
8.7	87	45937	46465	1.09	5.50
8.8	88	46465	46993	1.99	4.46
8.9	89	46993	47521	5.21	5.12
9	90	47521	48049	3.26	4.93
9.1	91	48049	48577	2.58	4.74
9.2	92	48577	49105	1.68	5.57
9.3	93	49105	49633	2.75	6.26
9.4	94	49633	50161	4.29	4.76
9.5	95	50161	50689	3.43	5.86
9.6	96	50689	51217	5.30	5.14
9.7	97	51217	51745	3.29	4.67
9.8	98	51745	52273	2.65	5.34
9.9	99	52273	52801	2.26	4.30
10	100	52801	53329	5.15	3.89
10.1	101	53329	53857	3.64	4.38
10.2	102	53857	54385	1.99	4.98
10.3	103	54385	54913	3.41	5.88
10.4	104	54913	55441	4.40	4.90
10.5	105	55441	55969	1.57	5.10
10.6	106	55969	56497	2.82	5.97
10.7	107	56497	57025	2.75	4.68
10.8	108	57025	57553	2.04	4.66
10.9	109	57553	58081	4.73	4.93
11	110	58081	58609	2.52	6.18
11.1	111	58609	59137	5.81	4.87
11.2	112	59137	59665	3.21	5.63
11.3	113	59665	60193	3.49	6.09
11.4	114	60193	60721	2.27	5.77
11.5	115	60721	61249	4.99	4.21
11.6	116	61249	61777	2.39	6.37
11.7	117	61777	62305	2.19	7.44
11.8	118	62305	62833	2.28	3.77
11.9	119	62833	63361	3.62	7.12
12	120	63361	63889	5.99	7.06
12.1	121	63889	64417	2.07	5.58
12.2	122	64417	64945	4.25	5.13
12.3	123	64945	65473	3.53	5.77
12.4	124	65473	66001	4.05	6.41
12.5	125	66001	66529	7.37	5.67
12.6	126	66529	67057	7.71	3.13
12.7	127	67057	67585	4.11	4.32

12.8	128	67585	68113	3.67	6.13
12.9	129	68113	68641	2.52	4.33
13	130	68641	69169	3.56	6.44
13.1	131	69169	69697	3.64	4.54
13.2	132	69697	70225	1.90	3.53
13.3	133	70225	70753	4.05	6.48
13.4	134	70753	71281	3.40	4.14
13.5	135	71281	71809	4.66	5.62
13.6	136	71809	72337	3.01	4.15
13.7	137	72337	72865	6.15	6.62
13.8	138	72865	73393	3.56	6.39
13.9	139	73393	73921	4.84	4.54
14	140	73921	74449	3.48	6.33
14.1	141	74449	74977	2.38	6.09
14.2	142	74977	75505	4.24	5.56
14.3	143	75505	76033	3.83	6.03
14.4	144	76033	76561	4.30	5.36
14.5	145	76561	77089	5.00	5.85
14.6	146	77089	77617	4.77	4.80
14.7	147	77617	78145	4.05	4.75
14.8	148	78145	78673	2.35	5.81
14.9	149	78673	79201	3.31	5.45
15	150	79201	79729	4.45	6.13
15.1	151	79729	80257	4.69	5.70
15.2	152	80257	80785	6.79	2.53
15.3	153	80785	81313	3.54	5.04
15.4	154	81313	81841	3.41	6.76
15.5	155	81841	82369	3.87	6.04
15.6	156	82369	82897	2.73	5.99
15.7	157	82897	83425	4.72	6.87
15.8	158	83425	83953	3.44	6.09
15.9	159	83953	84481	2.97	5.39
16	160	84481	85009	5.94	4.49
16.1	161	85009	85537	2.95	5.77
16.2	162	85537	86065	2.50	6.31
16.3	163	86065	86593	3.99	3.63
16.4	164	86593	87121	4.24	4.43
16.5	165	87121	87649	5.26	4.71
16.6	166	87649	88177	4.29	5.56
16.7	167	88177	88705	4.11	6.09
16.8	168	88705	89233	2.33	6.35
16.9	169	89233	89761	2.61	7.57
17	170	89761	90289	2.44	6.11

17.1	171	90289	90817	6.18	5.95
17.2	172	90817	91345	3.17	6.12
17.3	173	91345	91873	3.27	4.82
17.4	174	91873	92401	4.30	4.52
17.5	175	92401	92929	3.17	3.79
17.6	176	92929	93457	3.14	5.72
17.7	177	93457	93985	3.94	5.13
17.8	178	93985	94513	3.68	4.46
17.9	179	94513	95041	3.61	4.87
18	180	95041	95569	3.46	5.11
18.1	181	95569	96097	3.92	7.50
18.2	182	96097	96625	3.37	3.99
18.3	183	96625	97153	4.46	5.39
18.4	184	97153	97681	3.30	5.03
18.5	185	97681	98209	3.26	2.76
18.6	186	98209	98737	3.63	4.54
18.7	187	98737	99265	2.42	3.53
18.8	188	99265	99793	3.52	4.44
18.9	189	99793	100321	4.50	4.17
19	190	100321	100849	3.68	3.27
19.1	191	100849	101377	2.64	4.39
19.2	192	101377	101905	2.38	4.82
19.3	193	101905	102433	4.30	4.39
19.4	194	102433	102961	2.68	4.46
19.5	195	102961	103489	2.46	3.38
19.6	196	103489	104017	3.75	3.20
19.7	197	104017	104545	2.85	4.48
19.8	198	104545	105073	2.96	5.20
19.9	199	105073	105601	3.80	4.50
20	200	105601	106129	4.12	1.82
20.1	201	106129	106657	3.18	4.49
20.2	202	106657	107185	3.37	5.77
20.3	203	107185	107713	3.19	5.54
20.4	204	107713	108241	3.58	8.15
20.5	205	108241	108769	3.31	6.24
20.6	206	108769	109297	3.64	5.03
20.7	207	109297	109825	4.74	7.38
20.8	208	109825	110353	4.70	6.47
20.9	209	110353	110881	2.72	11.84
21	210	110881	111409	2.94	6.72
21.1	211	111409	111937	6.25	6.23
21.2	212	111937	112465	3.42	7.23
21.3	213	112465	112993	6.29	5.40

21.4	214	112993	113521	7.37	4.15
21.5	215	113521	114049	3.82	7.03
21.6	216	114049	114577	3.85	7.12
21.7	217	114577	115105	3.85	5.78
21.8	218	115105	115633	3.21	4.47
21.9	219	115633	116161	4.13	5.97
22	220	116161	116689	4.00	4.68
22.1	221	116689	117217	3.71	6.16
22.2	222	117217	117745	3.43	6.26
22.3	223	117745	118273	2.96	7.94
22.4	224	118273	118801	3.01	6.07
22.5	225	118801	119329	2.90	6.25
22.6	226	119329	119857	5.19	4.87
22.7	227	119857	120385	2.63	6.35
22.8	228	120385	120913	3.44	5.45
22.9	229	120913	121441	3.70	6.54
23	230	121441	121969	3.93	5.95
23.1	231	121969	122497	3.38	4.75
23.2	232	122497	123025	3.91	6.16
23.3	233	123025	123553	5.28	5.41
23.4	234	123553	124081	4.36	6.12
23.5	235	124081	124609	3.07	6.69
23.6	236	124609	125137	2.86	8.12
23.7	237	125137	125665	3.95	6.39
23.8	238	125665	126193	3.48	6.71
23.9	239	126193	126721	2.39	5.90
24	240	126721	127249	3.35	6.80
24.1	241	127249	127777	3.65	4.17
24.2	242	127777	128305	3.49	5.86
24.3	243	128305	128833	3.36	5.49
24.4	244	128833	129361	2.71	5.55
24.5	245	129361	129889	3.75	6.77
24.6	246	129889	130417	3.97	5.68
24.7	247	130417	130945	4.19	5.30
24.8	248	130945	131473	3.51	6.29
24.9	249	131473	132001	6.89	5.90
25	250	132001	132529	4.09	5.42
25.1	251	132529	133057	3.64	4.29
25.2	252	133057	133585	3.46	5.54
25.3	253	133585	134113	2.92	5.81
25.4	254	134113	134641	3.73	4.68
25.5	255	134641	135169	3.87	5.55
25.6	256	135169	135697	3.42	5.09

25.7	257	135697	136225	3.31	5.98
25.8	258	136225	136753	3.98	6.70
25.9	259	136753	137281	3.12	6.87
26	260	137281	137809	8.19	5.95
26.1	261	137809	138337	3.79	7.70
26.2	262	138337	138865	2.71	5.97
26.3	263	138865	139393	4.16	3.95
26.4	264	139393	139921	4.37	5.45
26.5	265	139921	140449	4.19	6.16
26.6	266	140449	140977	2.67	6.28
26.7	267	140977	141505	4.72	5.31
26.8	268	141505	142033	2.85	4.30
26.9	269	142033	142561	3.27	6.64
27	270	142561	143089	2.17	6.40
27.1	271	143089	143617	3.40	5.08
27.2	272	143617	144145	4.06	5.01
27.3	273	144145	144673	4.48	5.40
27.4	274	144673	145201	3.29	5.23
27.5	275	145201	145729	5.96	6.39
27.6	276	145729	146257	4.57	6.07
27.7	277	146257	146785	5.01	6.27
27.8	278	146785	147313	5.32	7.03
27.9	279	147313	147841	3.82	7.62
28	280	147841	148369	4.50	5.55
28.1	281	148369	148897	3.08	4.73
28.2	282	148897	149425	2.97	6.02
28.3	283	149425	149953	3.53	5.59
28.4	284	149953	150481	6.00	5.14
28.5	285	150481	151009	3.94	5.58
28.6	286	151009	151537	3.38	5.75
28.7	287	151537	152065	3.76	4.22
28.8	288	152065	152593	5.58	4.31
28.9	289	152593	153121	6.56	2.57
29	290	153121	153649	3.29	2.85
29.1	291	153649	154177	3.46	3.98
29.2	292	154177	154705	3.34	6.00
29.3	293	154705	155233	2.69	6.68
29.4	294	155233	155761	3.21	8.74
29.5	295	155761	156289	3.41	4.62
29.6	296	156289	156817	3.76	4.60
29.7	297	156817	157345	3.59	4.67
29.8	298	157345	157873	2.56	5.20
29.9	299	157873	158401	2.91	4.26

30	300	158401	158929	3.12	3.93
30.1	301	158929	159457	3.15	4.05
30.2	302	159457	159985	2.95	5.28
30.3	303	159985	160513	2.76	4.46
30.4	304	160513	161041	2.56	4.32
30.5	305	161041	161569	2.31	4.53
30.6	306	161569	162097	2.29	4.05
30.7	307	162097	162625	3.28	4.49
30.8	308	162625	163153	2.33	5.21
30.9	309	163153	163681	2.69	5.19
31	310	163681	164209	3.09	4.19
31.1	311	164209	164737	4.91	2.88
31.2	312	164737	165265	3.62	5.39
31.3	313	165265	165793	3.22	4.17
31.4	314	165793	166321	2.99	5.08
31.5	315	166321	166849	3.31	4.66
31.6	316	166849	167377	2.78	5.46
31.7	317	167377	167905	2.75	4.71
31.8	318	167905	168433	3.51	4.24
31.9	319	168433	168961	2.46	4.43
32	320	168961	169489	3.17	4.49
32.1	321	169489	170017	3.95	4.91
32.2	322	170017	170545	3.58	4.23
32.3	323	170545	171073	2.45	4.39
32.4	324	171073	171601	3.52	3.85
32.5	325	171601	172129	2.65	3.53
32.6	326	172129	172657	3.01	4.60
32.7	327	172657	173185	3.21	4.60
32.8	328	173185	173713	2.85	4.15
32.9	329	173713	174241	2.38	3.90
33	330	174241	174769	3.03	4.92
33.1	331	174769	175297	2.53	4.49
33.2	332	175297	175825	3.86	4.01
33.3	333	175825	176353	2.74	4.62
33.4	334	176353	176881	2.90	4.51
33.5	335	176881	177409	2.25	4.90
33.6	336	177409	177937	3.33	4.03
33.7	337	177937	178465	6.94	2.11
33.8	338	178465	178993	3.40	4.65
33.9	339	178993	179521	2.29	4.11
34	340	179521	180049	3.09	4.30
34.1	341	180049	180577	4.04	5.35
34.2	342	180577	181105	2.91	4.08

34.3	343	181105	181633	2.85	3.40
34.4	344	181633	182161	4.69	4.80
34.5	345	182161	182689	2.60	3.95
34.6	346	182689	183217	2.66	5.80
34.7	347	183217	183745	3.51	4.52
34.8	348	183745	184273	3.36	3.92
34.9	349	184273	184801	4.03	3.68
35	350	184801	185329	2.57	3.21
35.1	351	185329	185857	2.78	4.19
35.2	352	185857	186385	2.51	4.43
35.3	353	186385	186913	3.61	3.85
35.4	354	186913	187441	3.71	5.30
35.5	355	187441	187969	3.29	5.13
35.6	356	187969	188497	3.03	5.21
35.7	357	188497	189025	2.99	4.54
35.8	358	189025	189553	3.46	5.90
35.9	359	189553	190081	2.77	3.83
36	360	190081	190609	2.48	4.42
36.1	361	190609	191137	2.73	4.77
36.2	362	191137	191665	3.43	4.33
36.3	363	191665	192193	2.58	4.64
36.4	364	192193	192721	2.13	4.44
36.5	365	192721	193249	2.37	6.35
36.6	366	193249	193777	2.52	5.71
36.7	367	193777	194305	4.26	4.44
36.8	368	194305	194833	3.05	4.58
36.9	369	194833	195361	2.16	4.35
37	370	195361	195889	8.57	4.55
37.1	371	195889	196417	2.17	5.63
37.2	372	196417	196945	15.75	8.02
37.3	373	196945	197473	2.38	5.79
37.4	374	197473	198001	2.09	5.42
37.5	375	198001	198529	3.97	5.92
37.6	376	198529	199057	1.87	5.62
37.7	377	199057	199585	2.64	4.87
37.8	378	199585	200113	2.55	8.79
37.9	379	200113	200641	1.48	4.49
38	380	200641	201169	8.46	2.57
38.1	381	201169	201697	2.98	5.86
38.2	382	201697	202225	3.66	4.97
38.3	383	202225	202753	2.20	4.26
38.4	384	202753	203281	7.30	6.88
38.5	385	203281	203809	2.76	5.13

38.6	386	203809	204337	2.33	4.49
38.7	387	204337	204865	3.86	5.03
38.8	388	204865	205393	4.75	4.52
38.9	389	205393	205921	3.38	4.94
39	390	205921	206449	2.54	4.83
39.1	391	206449	206977	7.75	4.62
39.2	392	206977	207505	1.88	5.09
39.3	393	207505	208033	6.57	6.68
39.4	394	208033	208561	1.87	6.61
39.5	395	208561	209089	2.76	6.22
39.6	396	209089	209617	2.43	5.84
39.7	397	209617	210145	1.90	5.80
39.8	398	210145	210673	2.21	6.10
39.9	399	210673	211201	2.43	7.95
40	400	211201	211729	4.27	4.35
40.1	401	211729	212257	1.82	6.55
40.2	402	212257	212785	2.31	4.57
40.3	403	212785	213313	2.12	3.96
40.4	404	213313	213841	2.54	6.33
40.5	405	213841	214369	2.28	4.94
40.6	406	214369	214897	5.35	3.43
40.7	407	214897	215425	2.35	4.75
40.8	408	215425	215953	2.67	5.78
40.9	409	215953	216481	4.35	5.52
41	410	216481	217009	7.27	4.55
41.1	411	217009	217537	2.97	3.63
41.2	412	217537	218065	7.00	5.03
41.3	413	218065	218593	2.93	4.48
41.4	414	218593	219121	2.06	4.51
41.5	415	219121	219649	2.64	5.57
41.6	416	219649	220177	3.71	4.53
41.7	417	220177	220705	5.40	7.44
41.8	418	220705	221233	4.87	4.52
41.9	419	221233	221761	6.97	4.28
42	420	221761	222289	3.32	5.21
42.1	421	222289	222817	2.20	3.46
42.2	422	222817	223345	3.72	5.32
42.3	423	223345	223873	3.79	5.39
42.4	424	223873	224401	3.97	5.01
42.5	425	224401	224929	2.18	7.34
42.6	426	224929	225457	2.63	4.41
42.7	427	225457	225985	2.92	5.25
42.8	428	225985	226513	8.75	4.46

42.9	429	226513	227041	3.65	9.36
43	430	227041	227569	2.00	6.36
43.1	431	227569	228097	1.71	6.45
43.2	432	228097	228625	7.04	3.57
43.3	433	228625	229153	2.37	5.08
43.4	434	229153	229681	2.40	8.72
43.5	435	229681	230209	3.05	3.73
43.6	436	230209	230737	4.10	6.04
43.7	437	230737	231265	3.48	4.30
43.8	438	231265	231793	3.84	6.24
43.9	439	231793	232321	2.24	4.06
44	440	232321	232849	2.58	4.51
44.1	441	232849	233377	4.11	4.81
44.2	442	233377	233905	3.32	4.69
44.3	443	233905	234433	3.86	5.86
44.4	444	234433	234961	3.64	6.69
44.5	445	234961	235489	5.96	5.93
44.6	446	235489	236017	2.42	6.41
44.7	447	236017	236545	3.90	6.36
44.8	448	236545	237073	5.24	3.67
44.9	449	237073	237601	2.37	4.06
45	450	237601	238129	4.12	4.42
45.1	451	238129	238657	3.05	3.03
45.2	452	238657	239185	2.69	4.59
45.3	453	239185	239713	3.86	5.96
45.4	454	239713	240241	3.29	5.22
45.5	455	240241	240769	3.87	3.21
45.6	456	240769	241297	3.00	3.97
45.7	457	241297	241825	3.11	4.60
45.8	458	241825	242353	2.68	5.24
45.9	459	242353	242881	2.83	3.57
46	460	242881	243409	2.19	4.08
46.1	461	243409	243937	2.69	5.20
46.2	462	243937	244465	2.16	4.07
46.3	463	244465	244993	3.60	4.69
46.4	464	244993	245521	3.97	5.56
46.5	465	245521	246049	3.99	4.96
46.6	466	246049	246577	5.05	5.41
46.7	467	246577	247105	4.56	4.17
46.8	468	247105	247633	3.67	3.53
46.9	469	247633	248161	3.05	2.37
47	470	248161	248689	3.86	3.35
47.1	471	248689	249217	3.60	5.57

47.2	472	249217	249745	3.65	4.11
47.3	473	249745	250273	2.29	3.39
47.4	474	250273	250801	4.95	3.46
47.5	475	250801	251329	4.36	5.20
47.6	476	251329	251857	3.24	4.08
47.7	477	251857	252385	3.54	4.20
47.8	478	252385	252913	1.50	3.29
47.9	479	252913	253441	5.04	3.57
48	480	253441	253969	10.52	6.34
48.1	481	253969	254497	5.74	6.56
48.2	482	254497	255025	3.76	4.06
48.3	483	255025	255553	8.21	29.47
48.4	484	255553	256081	3.65	5.80
48.5	485	256081	256609	3.37	4.28
48.6	486	256609	257137	3.92	6.30
48.7	487	257137	257665	4.09	4.17
48.8	488	257665	258193	3.99	6.53
48.9	489	258193	258721	4.78	7.25
49	490	258721	259249	26.93	5.57
49.1	491	259249	259777	4.39	5.02
49.2	492	259777	260305	13.58	3.52
49.3	493	260305	260833	4.72	3.53
49.4	494	260833	261361	4.75	4.27
49.5	495	261361	261889	3.93	5.44
49.6	496	261889	262417	6.48	5.28
49.7	497	262417	262945	5.68	5.41
49.8	498	262945	263473	4.64	5.11
49.9	499	263473	264001	3.65	4.69
50	500	264001	264529	4.50	5.10
50.1	501	264529	265057	4.31	3.89
50.2	502	265057	265585	6.07	4.12
50.3	503	265585	266113	4.93	5.01
50.4	504	266113	266641	4.61	5.39
50.5	505	266641	267169	8.23	7.22
50.6	506	267169	267697	3.93	4.94
50.7	507	267697	268225	2.87	3.41
50.8	508	268225	268753	6.62	6.03
50.9	509	268753	269281	5.41	3.92
51	510	269281	269809	4.77	4.28
51.1	511	269809	270337	5.62	3.65
51.2	512	270337	270865	4.58	2.25
51.3	513	270865	271393	5.96	4.48
51.4	514	271393	271921	8.94	3.23

51.5	515	271921	272449	6.33	4.25
51.6	516	272449	272977	4.48	3.93
51.7	517	272977	273505	5.84	5.08
51.8	518	273505	274033	1.89	3.68
51.9	519	274033	274561	4.85	3.99
52	520	274561	275089	4.71	10.88
52.1	521	275089	275617	6.40	4.95
52.2	522	275617	276145	3.07	5.54
52.3	523	276145	276673	5.48	4.17
52.4	524	276673	277201	3.90	6.36
52.5	525	277201	277729	4.15	3.85
52.6	526	277729	278257	4.56	7.29
52.7	527	278257	278785	3.01	8.83
52.8	528	278785	279313	4.76	5.39
52.9	529	279313	279841	3.93	5.71
53	530	279841	280369	3.51	5.79
53.1	531	280369	280897	3.34	5.15
53.2	532	280897	281425	3.82	6.60
53.3	533	281425	281953	4.05	6.63
53.4	534	281953	282481	4.11	7.58
53.5	535	282481	283009	2.64	6.95
53.6	536	283009	283537	3.12	6.94
53.7	537	283537	284065	4.31	6.20
53.8	538	284065	284593	4.42	6.70
53.9	539	284593	285121	4.19	6.65
54	540	285121	285649	7.39	7.01
54.1	541	285649	286177	3.77	7.98
54.2	542	286177	286705	2.95	6.52
54.3	543	286705	287233	4.85	5.26
54.4	544	287233	287761	3.96	7.58
54.5	545	287761	288289	4.44	7.07
54.6	546	288289	288817	4.54	6.94
54.7	547	288817	289345	3.67	8.04
54.8	548	289345	289873	4.43	5.66
54.9	549	289873	290401	4.46	8.05
55	550	290401	290929	4.62	6.20
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55.2	552	291457	291985	3.49	7.30
55.3	553	291985	292513	3.31	5.49
55.4	554	292513	293041	4.24	7.97
55.5	555	293041	293569	3.14	6.62
55.6	556	293569	294097	3.31	5.49
55.7	557	294097	294625	4.11	6.43

55.8	558	294625	295153	5.75	6.07
55.9	559	295153	295681	4.58	7.06
56	560	295681	296209	3.65	6.98
56.1	561	296209	296737	8.06	3.88
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56.7	567	299377	299905	5.05	7.12
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57.2	572	302017	302545	5.37	7.35
57.3	573	302545	303073	3.91	4.82
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57.5	575	303601	304129	6.92	8.45
57.6	576	304129	304657	2.64	4.34
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58.3	583	307825	308353	4.42	3.01
58.4	584	308353	308881	3.54	5.67
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59.4	594	313633	314161	5.77	6.77
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59.6	596	314689	315217	3.86	3.23
59.7	597	315217	315745	3.18	3.84
59.8	598	315745	316273	4.20	4.10
59.9	599	316273	316801	5.22	3.10
60	600	316801	317329	4.20	4.84

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60.2	602	317857	318385	5.06	5.44
60.3	603	318385	318913	4.22	3.79
60.4	604	318913	319441	4.07	5.45
60.5	605	319441	319969	3.62	5.13
60.6	606	319969	320497	4.21	5.83
60.7	607	320497	321025	3.20	6.31
60.8	608	321025	321553	3.94	7.06
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61	610	322081	322609	2.27	7.56
61.1	611	322609	323137	2.44	4.10
61.2	612	323137	323665	2.98	3.38
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61.4	614	324193	324721	6.69	7.06
61.5	615	324721	325249	3.03	5.83
61.6	616	325249	325777	3.18	4.98
61.7	617	325777	326305	3.22	4.62
61.8	618	326305	326833	3.47	5.77
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62	620	327361	327889	3.45	5.11
62.1	621	327889	328417	3.40	4.86
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62.6	626	330529	331057	3.06	5.99
62.7	627	331057	331585	3.07	5.88
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63.9	639	337393	337921	3.34	5.16
64	640	337921	338449	3.99	3.85
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65.1	651	343729	344257	2.61	5.80
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70.7	707	373297	373825	4.46	5.08
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71	710	374881	375409	2.87	5.23
71.1	711	375409	375937	5.06	3.37
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71.5	715	377521	378049	1.97	9.51
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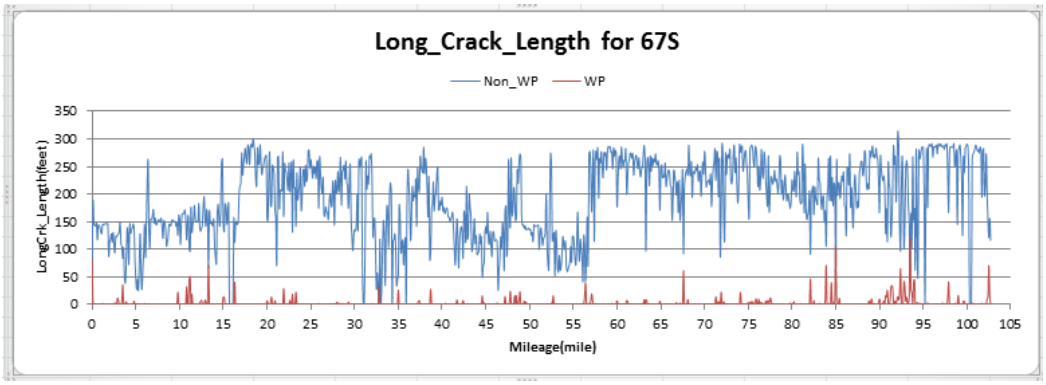
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86.6	22	11617	12145	2.79	3.34
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86.9	25	13201	13729	3.26	4.44
87	26	13729	14257	3.24	4.44
87.1	27	14257	14785	4.25	3.85
87.2	28	14785	15313	4.42	3.75
87.3	29	15313	15841	2.98	4.20
87.4	30	15841	16369	3.98	4.63
87.5	31	16369	16897	4.86	8.34
87.6	32	16897	17425	4.59	7.36
87.7	33	17425	17953	4.50	5.36
87.8	34	17953	18481	11.62	8.64
87.9	35	18481	19009	5.09	6.58
88	36	19009	19537	1.78	6.41
88.1	37	19537	20065	3.31	5.63
88.2	38	20065	20593	3.28	5.25
88.3	39	20593	21121	15.46	12.17
88.4	40	21121	21649	5.43	5.62
88.5	41	21649	22177	4.15	7.29
88.6	42	22177	22705	3.99	7.15
88.7	43	22705	23233	3.54	5.90
88.8	44	23233	23761	4.97	7.87
88.9	45	23761	24289	3.77	7.19
89	46	24289	24817	4.14	9.95
89.1	47	24817	25345	9.83	6.44
89.2	48	25345	25873	4.11	7.52
89.3	49	25873	26401	5.98	6.41
89.4	50	26401	26929	5.17	4.00
89.5	51	26929	27457	4.05	7.83
89.6	52	27457	27985	5.22	7.61
89.7	53	27985	28513	6.11	6.09
89.8	54	28513	29041	11.89	8.66
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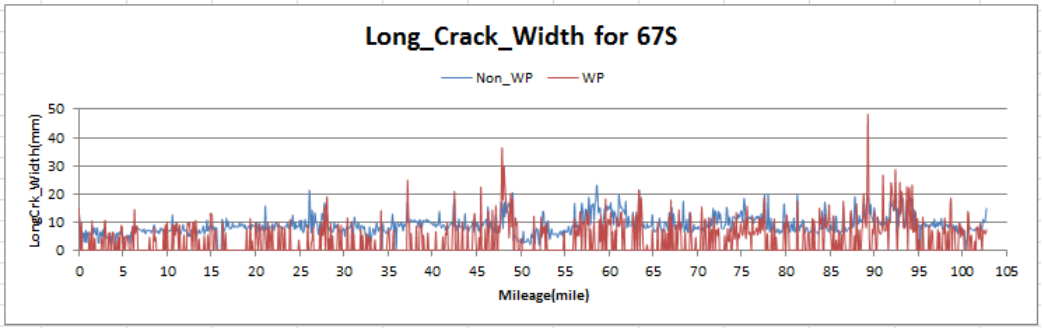
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90.5	61	32209	32737	1.92	7.25
90.6	62	32737	33265	4.55	5.75
90.7	63	33265	33793	3.13	8.34
90.8	64	33793	34321	3.97	8.47
90.9	65	34321	34849	4.20	7.11
91	66	34849	35377	6.50	5.13
91.1	67	35377	35905	6.15	7.61
91.2	68	35905	36433	2.78	8.25
91.3	69	36433	36961	3.90	7.03
91.4	70	36961	37489	2.48	3.18
91.5	71	37489	38017	3.69	7.04
91.6	72	38017	38545	4.79	5.63
91.7	73	38545	39073	1.19	6.15
91.8	74	39073	39601	5.18	3.96
91.9	75	39601	40129	6.12	8.34
92	76	40129	40657	4.14	6.69
92.1	77	40657	41185	4.75	5.96
92.2	78	41185	41713	2.94	9.17
92.3	79	41713	42241	3.58	19.65
92.4	80	42241	42769	1.91	5.55
92.5	81	42769	43297	5.18	4.17
92.6	82	43297	43825	3.11	6.01
92.7	83	43825	44353	4.66	5.45
92.8	84	44353	44881	2.65	9.77
92.9	85	44881	45409	4.43	5.28
93	86	45409	45937	5.48	7.70
93.1	87	45937	46465	5.96	2.86
93.2	88	46465	46993	5.10	4.51
93.3	89	46993	47521	7.99	13.32
93.4	90	47521	48049	1.86	11.40
93.5	91	48049	48577	2.73	4.59
93.6	92	48577	49105	5.68	4.15
93.7	93	49105	49633	7.98	7.86
93.8					
93.9	0	1	529	2.13	15.50
94	1	529	1057	4.64	4.41
94.1	2	1057	1585	11.44	8.66
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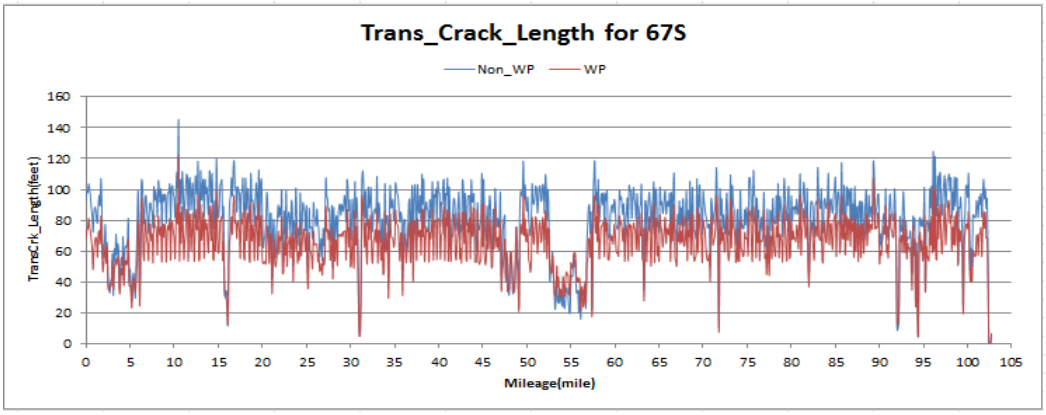
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94.8	9	4753	5281	3.62	4.45
94.9	10	5281	5809	2.56	3.07
95	11	5809	6337	4.01	4.39
95.1	12	6337	6865	3.89	8.74
95.2	13	6865	7393	3.64	7.00
95.3	14	7393	7921	3.19	6.05
95.4	15	7921	8449	2.98	5.04
95.5	16	8449	8977	4.65	5.30
95.6	17	8977	9505	3.57	12.21
95.7	18	9505	10033	2.60	5.25
95.8	19	10033	10561	4.45	6.28
95.9	20	10561	11089	5.43	4.12
96	21	11089	11617	4.08	8.15
96.1	22	11617	12145	7.61	5.16
96.2	23	12145	12673	4.73	5.41
96.3	24	12673	13201	4.84	5.23
96.4	25	13201	13729	8.78	7.90
96.5	26	13729	14257	2.76	3.62
96.6	27	14257	14785	7.86	5.09
96.7	28	14785	15313	5.96	6.77
96.8	29	15313	15841	6.15	7.14
96.9	30	15841	16369	4.79	5.49
97	31	16369	16897	2.79	7.38
97.1	32	16897	17425	2.86	2.41
97.2	33	17425	17953	2.02	3.21
97.3	34	17953	18481	4.17	4.44
97.4	35	18481	19009	5.19	4.93
97.5	36	19009	19537	3.20	2.49
97.6	37	19537	20065	2.89	3.35
97.7	38	20065	20593	3.01	2.09
97.8	39	20593	21121	2.79	5.51
97.9	40	21121	21649	3.78	4.32
98	41	21649	22177	2.83	3.26
98.1	42	22177	22705	3.64	6.75
98.2	43	22705	23233	3.64	5.11
98.3	44	23233	23761	2.01	7.01
98.4	45	23761	24289	4.06	11.39
98.5	46	24289	24817	3.22	5.25
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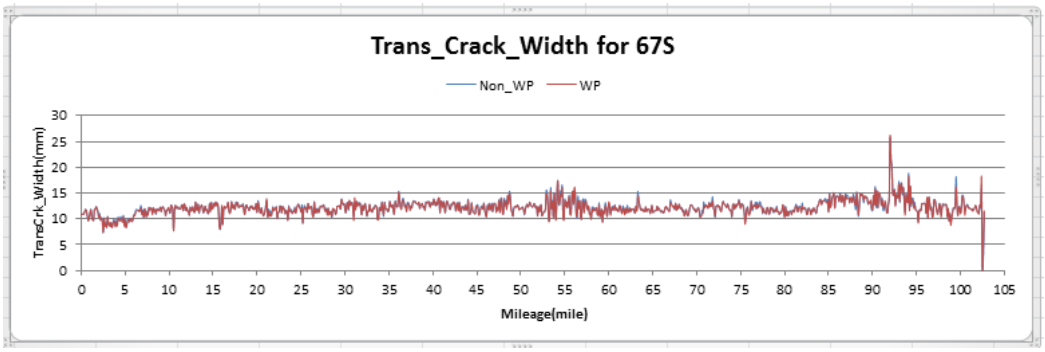
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99.1	52	27457	27985	2.07	7.46
99.2	53	27985	28513	2.24	6.52
99.3	54	28513	29041	5.06	1.83
99.4	55	29041	29569	2.05	3.90
99.5	56	29569	30097	3.13	4.16
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99.7	58	30625	31153	7.70	3.86
99.8	59	31153	31681	4.99	4.36
99.9	60	31681	32209	5.31	3.63
100	61	32209	32737	2.75	4.85
100.1	62	32737	33265	2.81	4.87
100.2	63	33265	33793	3.37	5.72
100.3	64	33793	34321	4.41	5.57
100.4	65	34321	34849	3.21	5.04
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100.6	67	35377	35905	3.19	4.61
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100.8	69	36433	36961	2.63	4.47
100.9	70	36961	37489	4.52	4.63
101	71	37489	38017	3.24	4.91
101.1	72	38017	38545	2.69	3.64
101.2	73	38545	39073	4.83	3.92
101.3	74	39073	39601	4.14	4.62
101.4	75	39601	40129	4.42	7.55
101.5	76	40129	40657	3.84	5.79
101.6	77	40657	41185	4.10	3.99
101.7	78	41185	41713	3.58	4.27
101.8	79	41713	42241	3.16	5.25
101.9	80	42241	42769	3.83	5.55
102	81	42769	43297	6.28	6.28
102.1	82	43297	43825	3.85	4.23
102.2	83	43825	44353	3.95	7.10
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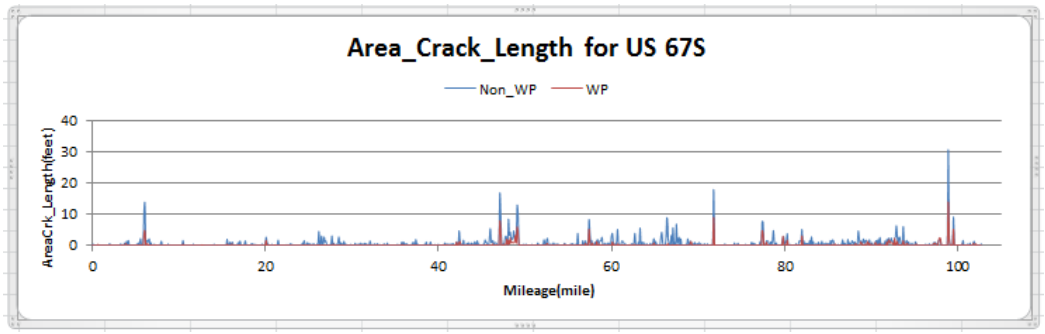
Detailed Cracking Data

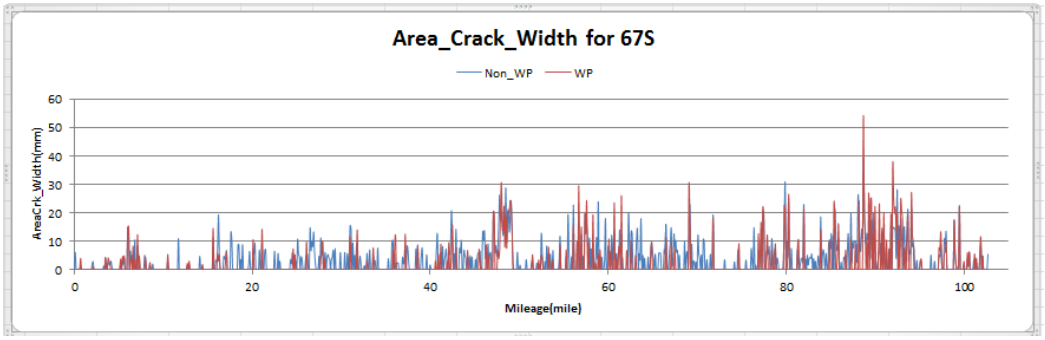







Trans_Crack_Width for 67S
Non_WP
WP
TransCrk_Width(mm)
0
5
10
15
20
25
30
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
Mileage(mile)


Area_Crack_Length for US 67S
Non_WP
WP
AreaCrk_Length(feet)
0
10
20
30
40
0
20
40
60
80
100
Mileage(mile)


Area_Crack_Width for 67S
Non_WP
WP
AreaCrk_Width(mm)
0
10
20
30
40
50
60
0
20
40
60
80
100
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	74.84	80.97	14.62	15.09	92.83	68.36	10.84	10.78	0.00	0.00	0.00	0.00
0.1	186.77	0.60	9.26	8.20	99.79	73.65	10.90	10.93	0.47	0.00	6.19	0.00
0.2	146.54	0.00	5.28	0.00	97.87	74.11	10.90	10.90	0.00	0.00	0.00	0.00
0.3	143.36	0.46	4.72	9.90	103.71	81.35	10.95	10.91	0.00	0.00	0.00	0.00
0.4	142.37	0.00	2.71	0.00	99.91	75.83	11.45	11.40	0.00	0.00	0.00	0.00
0.5	147.85	0.00	6.01	0.00	95.69	72.89	11.86	11.86	0.00	0.00	0.00	0.00
0.6	116.92	0.00	6.36	0.00	88.65	67.88	11.48	11.43	0.00	0.00	0.00	0.00
0.7	144.65	0.00	2.96	0.00	82.77	61.07	10.49	10.57	0.15	0.41	1.36	4.09
0.8	143.23	0.00	7.25	0.00	72.06	47.94	9.59	9.58	0.00	0.00	0.00	0.00
0.9	140.10	0.00	2.72	0.00	84.17	60.60	10.17	10.19	0.00	0.00	0.00	0.00
1	131.14	0.00	6.40	0.00	88.67	65.96	11.16	11.03	0.00	0.00	0.00	0.00
1.1	128.19	0.00	6.46	0.00	86.28	69.10	11.90	11.73	0.00	0.00	0.00	0.00
1.2	145.82	2.27	5.95	6.47	80.58	66.65	10.37	10.18	0.00	0.00	0.00	0.00
1.3	144.30	0.00	5.25	0.00	78.26	55.93	9.86	9.78	0.00	0.00	0.00	0.00
1.4	144.89	0.00	5.77	0.00	89.98	71.55	9.66	9.64	0.00	0.00	0.00	0.00
1.5	146.81	0.56	8.53	10.59	96.32	73.27	11.82	11.82	0.00	0.00	0.00	0.00
1.6	146.42	0.00	6.03	0.00	89.51	64.69	11.85	11.77	0.00	0.00	0.00	0.00
1.7	145.42	0.00	6.52	0.00	107.15	82.87	12.41	12.38	0.00	0.00	0.00	0.00
1.8	146.56	0.12	8.13	4.47	86.25	64.05	11.87	11.83	0.00	0.00	0.00	0.00
1.9	87.23	0.00	6.21	0.00	55.94	46.99	11.61	11.21	0.00	0.00	0.00	0.00
2	113.96	0.00	5.47	0.00	62.91	51.38	10.28	10.22	0.56	0.00	2.06	0.00
2.1	118.66	0.00	8.06	0.00	66.01	57.13	11.05	10.73	0.39	0.23	2.89	1.34
2.2	128.52	0.00	2.95	0.00	77.18	64.33	9.78	9.68	0.00	0.00	0.00	0.00
2.3	112.54	0.00	2.57	0.00	53.05	52.01	10.31	10.07	0.00	0.00	0.00	0.00
2.4	130.80	0.00	6.54	0.00	65.58	62.15	9.68	9.68	0.00	0.00	0.00	0.00
2.5	107.75	0.00	6.28	0.00	41.83	36.46	7.26	7.37	0.00	0.00	0.00	0.00
2.6	93.73	3.22	4.94	4.61	37.55	34.36	10.21	10.14	0.00	0.00	0.00	0.00
2.7	123.72	1.01	7.42	3.53	32.76	37.63	8.74	8.54	0.00	0.00	0.00	0.00
2.8	122.32	0.00	4.70	0.00	40.48	36.83	9.22	9.02	0.00	0.00	0.00	0.00
2.9	126.44	11.76	6.96	9.59	42.79	39.27	8.32	8.33	0.00	0.00	0.00	0.00
3	126.51	7.61	6.86	10.62	58.39	53.72	10.51	10.40	0.00	0.00	0.00	0.00
3.1	133.20	0.00	5.38	0.00	31.19	34.79	8.85	8.85	0.00	0.00	0.00	0.00
3.2	149.38	0.00	4.53	0.00	60.97	48.19	9.15	9.23	0.00	0.00	0.00	0.00
3.3	110.72	0.00	4.80	0.00	54.02	49.98	8.48	8.47	0.54	0.00	1.43	0.00
3.4	104.70	4.54	2.40	6.22	71.13	54.80	9.31	9.31	0.00	0.00	0.00	0.00
3.5	83.29	36.05	5.49	6.32	57.48	51.23	8.39	8.27	0.35	0.20	4.11	4.53
3.6	102.75	0.00	4.52	0.00	64.93	56.81	9.14	9.03	0.00	0.00	0.00	0.00
3.7	48.42	0.00	2.04	0.00	60.80	53.35	9.99	9.59	0.43	0.00	1.36	0.00
3.8	38.18	2.09	6.34	6.25	35.52	32.70	9.49	9.39	0.87	0.26	2.75	4.17
3.9	76.62	5.19	6.04	6.48	47.21	36.83	8.56	8.44	0.23	0.66	1.99	2.98

4	138.15	0.00	5.90	0.00	56.03	48.70	9.85	9.28	1.38	0.12	1.66	2.64
4.1	125.32	0.00	5.48	0.00	51.17	44.87	9.24	8.59	0.43	0.00	3.16	0.00
4.2	72.07	0.44	2.39	3.29	69.40	58.50	10.39	10.08	1.63	0.00	1.54	0.00
4.3	145.33	0.00	6.27	0.00	41.12	37.62	9.76	9.77	0.00	0.00	0.00	0.00
4.4	128.55	0.00	5.55	0.00	59.72	50.00	9.74	9.57	0.00	0.00	0.00	0.00
4.5	135.77	1.10	5.81	5.10	63.61	54.05	10.48	10.04	0.00	0.00	0.00	0.00
4.6	138.07	0.00	6.57	0.00	62.29	50.98	10.02	9.78	0.00	0.00	0.00	0.00
4.7	146.35	0.95	5.60	5.04	66.74	54.36	9.42	9.33	0.00	0.00	0.00	0.00
4.8	136.14	6.30	7.43	8.93	80.71	67.65	10.72	10.40	0.00	0.00	0.00	0.00
4.9	78.62	0.23	5.43	8.21	40.15	37.40	9.06	8.54	0.00	0.00	0.00	0.00
5	46.65	0.00	4.30	0.00	48.44	38.15	9.92	9.66	0.00	0.00	0.00	0.00
5.1	26.76	1.55	2.61	4.95	36.99	31.96	8.35	8.28	0.00	0.00	0.00	0.00
5.2	45.85	0.00	4.89	0.00	28.05	23.27	8.93	8.84	0.53	0.29	2.55	3.83
5.3	25.50	0.17	4.68	2.26	42.42	40.38	10.01	9.80	0.00	0.00	0.00	0.00
5.4	86.75	1.13	5.17	4.57	45.97	42.53	9.95	9.82	0.90	0.05	3.15	4.72
5.5	128.22	1.05	5.39	5.34	37.85	36.58	9.37	9.42	0.57	0.00	1.92	2.87
5.6	56.42	0.14	4.88	3.70	29.91	33.44	10.15	10.12	2.25	0.32	4.17	4.97
5.7	26.81	0.00	5.38	0.00	53.23	43.84	9.92	9.68	0.00	0.00	0.00	0.00
5.8	66.31	0.00	2.34	0.00	73.91	55.01	9.51	9.41	0.00	0.00	0.00	0.00
5.9	97.17	0.00	6.51	0.00	99.16	79.19	10.18	10.06	0.00	0.00	0.00	0.00
6	146.11	2.18	6.90	4.83	73.56	61.43	10.85	10.74	10.87	3.63	14.95	14.59
6.1	84.82	0.23	8.69	8.27	33.29	24.41	10.84	10.58	13.73	4.84	14.22	15.42
6.2	150.21	0.00	6.90	0.00	75.03	60.46	11.71	11.34	0.00	0.00	0.00	0.00
6.3	218.82	1.52	7.74	14.44	106.38	93.70	11.86	11.49	1.25	0.22	6.70	3.78
6.4	260.27	1.11	8.09	6.19	103.76	82.22	11.68	11.63	1.74	0.67	2.90	3.82
6.5	134.57	1.14	8.72	7.50	84.00	58.17	11.74	11.69	1.09	0.00	5.20	0.00
6.6	101.30	0.51	7.98	8.60	77.82	54.03	11.37	11.39	2.16	0.23	4.50	8.43
6.7	155.16	0.00	7.53	0.00	94.09	80.16	12.04	11.78	0.00	0.00	0.00	0.00
6.8	154.06	0.00	7.62	0.00	96.28	76.45	12.60	12.17	0.91	0.19	10.60	3.77
6.9	160.24	0.00	7.28	0.00	86.94	67.80	10.95	10.78	0.00	0.00	0.00	0.00
7	172.42	0.00	7.34	0.00	80.09	63.31	11.75	11.51	0.00	0.00	0.00	0.00
7.1	147.46	0.00	7.30	0.00	71.79	54.00	10.28	10.28	0.10	0.15	8.30	12.45
7.2	157.33	0.00	6.54	0.00	90.07	77.62	11.99	11.92	0.44	0.00	5.58	0.00
7.3	144.89	0.00	6.95	0.00	91.54	77.56	11.41	11.02	0.09	0.23	3.25	4.88
7.4	144.42	0.00	7.67	0.00	87.29	66.61	10.41	10.33	0.00	0.00	0.00	0.00
7.5	152.37	0.00	6.15	0.00	84.88	70.84	11.52	11.36	0.00	0.00	0.00	0.00
7.6	153.98	0.00	6.09	0.00	75.66	52.38	10.70	10.74	0.00	0.00	0.00	0.00
7.7	150.61	0.00	7.23	0.00	101.59	83.01	12.23	12.21	0.00	0.00	0.00	0.00
7.8	152.34	0.00	7.02	0.00	92.90	75.87	11.81	11.65	0.00	0.00	0.00	0.00
7.9	156.44	0.00	7.29	0.00	98.95	76.29	12.04	12.13	0.42	0.00	5.10	0.00
8	140.11	0.45	7.06	4.67	93.63	71.67	12.05	11.90	1.39	0.08	3.01	4.51
8.1	119.25	0.00	7.02	0.00	82.35	57.48	11.02	10.81	0.00	0.00	0.00	0.00
8.2	152.09	0.00	6.20	0.00	105.38	82.45	12.20	12.16	0.00	0.00	0.00	0.00

8.3	149.45	0.00	7.16	0.00	98.79	73.61	11.46	11.48	0.00	0.00	0.00	0.00
8.4	136.23	0.00	7.06	0.00	91.50	70.12	11.78	11.81	0.00	0.00	0.00	0.00
8.5	105.92	0.15	9.09	8.14	100.15	75.29	10.88	10.97	0.09	0.15	1.76	2.64
8.6	113.56	0.34	8.29	3.37	74.25	52.79	11.95	11.89	0.00	0.00	0.00	0.00
8.7	123.29	0.04	6.95	4.66	96.38	77.51	11.85	11.73	0.00	0.00	0.00	0.00
8.8	145.25	0.00	6.25	0.00	92.07	68.95	11.56	11.55	0.53	0.00	2.11	0.00
8.9	145.47	0.00	6.60	0.00	97.16	77.63	11.90	11.92	0.00	0.00	0.00	0.00
9	142.09	0.00	7.11	0.00	95.91	74.77	12.30	12.23	0.00	0.00	0.00	0.00
9.1	151.90	0.00	5.92	0.00	78.02	52.84	11.42	11.34	0.00	0.00	0.00	0.00
9.2	153.73	0.00	7.32	0.00	93.43	69.34	12.22	12.24	0.00	0.00	0.00	0.00
9.3	151.36	0.00	8.07	0.00	97.92	76.83	12.34	12.36	0.00	0.00	0.00	0.00
9.4	149.99	0.00	7.16	0.00	97.73	73.66	11.90	11.89	0.00	0.00	0.00	0.00
9.5	150.84	0.00	7.25	0.00	103.32	80.39	11.72	11.66	0.00	0.00	0.00	0.00
9.6	141.53	1.00	6.60	7.79	79.60	54.03	10.62	10.59	0.00	0.00	0.00	0.00
9.7	147.01	0.00	6.20	0.00	101.06	79.37	11.65	11.58	0.00	0.00	0.00	0.00
9.8	125.41	22.56	7.63	9.20	102.69	78.72	11.68	11.71	0.00	0.00	0.00	0.00
9.9	162.32	0.00	6.26	0.00	96.50	72.13	12.11	12.21	0.00	0.00	0.00	0.00
10	154.50	0.19	7.47	10.12	95.05	69.05	11.62	11.65	0.00	0.00	0.00	0.00
10.1	108.47	0.00	6.90	0.00	81.62	54.95	11.05	11.12	0.00	0.00	0.00	0.00
10.2	146.92	0.00	6.86	0.00	98.40	78.13	12.73	12.63	0.00	0.00	0.00	0.00
10.3	164.82	0.00	7.04	0.00	111.38	90.89	12.48	12.43	0.00	0.00	0.00	0.00
10.4	164.08	0.00	7.06	0.00	101.87	78.57	12.12	12.12	0.00	0.00	0.00	0.00
10.5	165.41	0.00	7.29	0.00	145.42	121.45	7.93	7.62	1.67	0.48	3.23	5.47
10.6	171.61	0.14	12.67	9.13	79.84	54.02	11.36	11.30	0.00	0.00	0.00	0.00
10.7	155.14	0.00	6.93	0.00	106.41	84.80	12.63	12.64	0.00	0.00	0.00	0.00
10.8	117.14	32.17	8.15	8.83	90.75	65.22	12.13	12.20	0.00	0.00	0.00	0.00
10.9	144.58	0.49	7.43	5.29	111.52	88.79	11.99	11.97	0.00	0.00	0.00	0.00
11	159.80	2.44	9.01	9.32	101.94	77.34	12.36	12.34	0.00	0.00	0.00	0.00
11.1	99.99	43.44	6.79	9.96	80.55	54.45	11.99	11.95	0.00	0.00	0.00	0.00
11.2	96.19	50.60	7.73	7.43	89.62	65.53	11.97	11.92	0.00	0.00	0.00	0.00
11.3	176.24	0.00	7.62	0.00	98.69	72.89	11.86	11.88	0.00	0.00	0.00	0.00
11.4	131.34	18.66	7.13	9.08	109.96	87.07	12.59	12.62	0.00	0.00	0.00	0.00
11.5	143.99	0.00	5.66	0.00	108.48	86.34	12.74	12.68	0.00	0.00	0.00	0.00
11.6	155.93	0.00	6.80	0.00	79.23	53.40	11.53	11.56	0.00	0.00	0.00	0.00
11.7	179.98	0.00	7.67	0.00	106.34	82.86	12.90	12.92	0.47	0.00	11.07	0.00
11.8	152.79	0.00	9.28	0.00	107.71	84.03	12.54	12.52	0.00	0.00	0.00	0.00
11.9	150.22	0.30	7.10	5.59	86.63	60.20	11.60	11.63	0.00	0.00	0.00	0.00
12	150.78	0.00	6.85	0.00	97.92	72.53	12.22	12.22	0.00	0.00	0.00	0.00
12.1	150.15	0.00	7.26	0.00	104.15	84.64	11.48	11.40	0.00	0.00	0.00	0.00
12.2	183.48	0.00	7.53	0.00	90.25	67.50	11.52	11.48	0.00	0.00	0.00	0.00
12.3	138.62	3.68	4.93	9.61	81.56	53.70	10.64	10.71	0.00	0.00	0.00	0.00
12.4	132.58	4.94	6.35	8.78	108.27	86.28	12.30	12.32	0.00	0.00	0.00	0.00
12.5	137.81	7.68	4.98	10.05	102.17	76.09	11.62	11.52	0.00	0.00	0.00	0.00

12.6	144.58	1.16	5.69	6.75	97.46	73.76	11.65	11.64	0.00	0.00	0.00	0.00
12.7	176.41	1.14	7.15	6.47	118.19	96.27	12.38	12.35	0.08	0.23	1.53	2.30
12.8	195.25	0.00	7.19	0.00	80.68	53.70	11.35	11.35	0.00	0.00	0.00	0.00
12.9	157.57	8.11	7.87	9.98	81.78	55.04	11.26	11.23	0.09	0.15	2.08	3.12
13	141.90	4.87	8.05	10.02	112.23	90.16	13.29	13.28	0.00	0.00	0.00	0.00
13.1	172.75	0.00	8.04	0.00	93.37	67.38	11.83	11.77	0.00	0.00	0.00	0.00
13.2	159.18	2.03	8.07	10.49	100.55	76.95	11.68	11.67	0.00	0.00	0.00	0.00
13.3	65.72	71.17	4.98	7.82	106.17	84.16	12.92	12.81	0.00	0.00	0.00	0.00
13.4	168.49	0.00	5.99	0.00	81.94	55.23	11.03	11.20	0.00	0.00	0.00	0.00
13.5	146.65	0.00	6.41	0.00	106.35	80.21	12.23	12.24	0.00	0.00	0.00	0.00
13.6	151.04	1.18	7.45	4.12	97.11	74.12	12.33	12.32	0.00	0.00	0.00	0.00
13.7	145.55	0.00	6.02	0.00	101.47	77.81	12.72	12.76	0.00	0.00	0.00	0.00
13.8	142.74	0.00	6.34	0.00	89.97	64.16	11.91	11.88	0.00	0.00	0.00	0.00
13.9	154.22	0.00	6.92	0.00	84.29	59.34	11.10	11.20	0.00	0.00	0.00	0.00
14	108.02	0.00	7.51	0.00	111.53	88.63	11.77	11.71	0.00	0.00	0.00	0.00
14.1	87.56	0.00	8.68	0.00	105.44	83.54	12.50	12.49	0.45	0.00	4.83	0.00
14.2	73.83	0.34	5.70	5.19	91.43	66.84	11.66	11.61	0.00	0.00	0.00	0.00
14.3	162.34	0.00	7.26	0.00	110.61	89.75	11.82	11.75	0.00	0.00	0.00	0.00
14.4	182.00	0.00	6.96	0.00	83.20	55.62	11.02	10.99	0.13	0.12	1.28	1.93
14.5	155.64	0.00	10.86	0.00	74.79	53.97	11.05	11.19	0.00	0.00	0.00	0.00
14.6	142.16	1.14	6.93	5.51	92.74	80.19	13.06	12.89	0.00	0.00	0.00	0.00
14.7	179.69	0.00	7.02	0.00	73.40	60.48	11.74	11.39	0.00	0.00	0.00	0.00
14.8	256.63	0.00	8.58	0.00	119.78	98.93	13.27	13.21	0.00	0.00	0.00	0.00
14.9	263.91	2.90	8.41	13.18	91.77	73.30	12.04	11.89	0.00	0.00	0.00	0.00
15	142.55	13.77	9.96	13.13	81.65	58.71	12.23	12.25	0.00	0.00	0.00	0.00
15.1	131.34	12.90	7.12	11.97	87.14	61.19	13.00	13.02	0.00	0.00	0.00	0.00
15.2	182.50	0.00	8.39	0.00	101.62	79.08	12.52	12.47	0.00	0.00	0.00	0.00
15.3	178.06	0.00	8.44	0.00	104.18	80.52	13.30	13.30	0.00	0.00	0.00	0.00
15.4	145.03	1.15	7.02	6.87	106.35	82.54	12.57	12.51	0.00	0.00	0.00	0.00
15.5	165.51	1.25	8.03	7.32	81.63	54.02	13.05	13.08	0.00	0.00	0.00	0.00
15.6	183.39	0.00	8.13	0.00	88.47	65.71	11.92	11.88	2.03	0.49	10.92	14.68
15.7	0.00	0.00	0.00	0.00	39.33	32.73	8.92	8.59	0.00	0.00	0.00	0.00
15.8	0.00	0.00	0.00	0.00	30.63	29.68	7.89	8.02	0.00	0.00	0.00	0.00
15.9	0.00	0.00	0.00	0.00	34.51	29.36	9.90	9.29	1.05	0.00	3.45	0.00
16	0.00	0.00	0.00	0.00	30.53	23.67	12.35	12.65	0.40	0.00	2.80	0.00
16.1	0.00	0.00	0.00	0.00	12.67	13.11	8.87	8.93	0.60	0.41	7.71	5.79
16.2	154.61	0.00	10.94	0.00	70.60	54.34	11.87	11.99	1.12	0.43	19.46	3.08
16.3	111.93	40.67	9.64	10.32	91.75	66.38	12.39	12.46	0.33	0.19	5.57	5.20
16.4	147.52	0.00	6.74	0.00	95.61	72.76	12.04	11.97	0.00	0.00	0.00	0.00
16.5	151.10	0.00	7.42	0.00	107.61	82.34	12.29	12.27	0.00	0.00	0.00	0.00
16.6	144.48	0.92	8.09	6.36	95.79	70.84	12.31	12.31	0.00	0.00	0.00	0.00
16.7	150.66	0.00	11.50	0.00	113.57	89.43	13.25	13.21	0.00	0.00	0.00	0.00
16.8	200.11	0.00	8.54	0.00	118.59	95.99	11.55	11.55	0.45	0.00	4.81	0.00

16.9	214.88	0.00	10.37	0.00	101.14	78.00	11.16	10.96	0.97	0.00	3.97	0.00
17	220.68	0.00	8.38	0.00	101.72	79.07	11.83	11.72	0.48	0.19	3.57	2.97
17.1	275.07	0.00	7.52	0.00	85.14	68.12	13.40	13.28	1.46	0.08	6.89	6.07
17.2	234.53	0.00	8.01	0.00	101.69	79.02	12.07	12.06	0.00	0.00	0.00	0.00
17.3	252.91	0.00	7.90	0.00	99.56	78.64	12.73	12.71	0.00	0.00	0.00	0.00
17.4	268.92	0.00	9.86	0.00	96.57	72.47	12.03	11.97	0.00	0.00	0.00	0.00
17.5	283.13	0.00	8.64	0.00	77.35	55.28	11.84	11.82	0.00	0.00	0.00	0.00
17.6	261.71	0.00	8.19	0.00	97.43	80.67	13.29	13.15	0.45	0.00	13.27	0.00
17.7	255.42	0.00	8.79	0.00	98.36	77.76	12.69	12.58	1.50	0.00	10.28	0.00
17.8	289.34	0.00	8.68	0.00	107.24	84.34	13.20	13.13	0.00	0.00	0.00	0.00
17.9	283.25	0.00	8.27	0.00	83.35	56.78	12.21	12.22	0.00	0.00	0.00	0.00
18	253.45	0.00	8.26	0.00	81.56	54.32	12.26	12.25	0.00	0.00	0.00	0.00
18.1	286.25	0.00	8.87	0.00	107.36	86.89	12.66	12.55	0.00	0.00	0.00	0.00
18.2	290.80	0.00	9.81	0.00	86.99	66.83	12.38	12.29	0.00	0.00	0.00	0.00
18.3	285.04	0.00	8.55	0.00	95.94	78.42	12.64	12.55	0.00	0.00	0.00	0.00
18.4	301.18	0.00	9.12	0.00	100.29	84.06	12.94	12.74	0.58	0.00	8.99	0.00
18.5	287.59	0.00	9.58	0.00	81.60	55.54	11.60	11.56	0.57	0.00	8.89	0.00
18.6	274.52	0.00	9.09	0.00	78.57	52.95	10.82	10.87	0.00	0.00	0.00	0.00
18.7	228.24	0.00	8.02	0.00	110.46	91.45	12.56	12.53	0.40	0.00	3.70	0.00
18.8	215.04	0.00	9.14	0.00	92.28	66.63	12.72	12.71	0.00	0.00	0.00	0.00
18.9	283.90	0.00	7.70	0.00	93.40	76.78	12.25	12.11	0.39	0.00	8.94	0.00
19	253.79	0.95	7.44	7.54	88.07	72.24	12.20	12.01	0.00	0.00	0.00	0.00
19.1	254.16	0.00	8.27	0.00	75.92	53.71	11.58	11.57	0.00	0.00	0.00	0.00
19.2	289.78	0.00	8.52	0.00	92.57	76.68	12.34	12.34	0.00	0.00	0.00	0.00
19.3	259.81	0.00	8.03	0.00	104.34	82.77	12.21	12.16	0.00	0.00	0.00	0.00
19.4	235.08	0.06	9.46	11.39	95.11	69.11	12.54	12.56	0.00	0.00	0.00	0.00
19.5	247.61	0.00	7.49	0.00	80.30	54.71	11.91	11.87	0.00	0.00	0.00	0.00
19.6	253.06	0.87	9.22	3.53	112.73	90.82	12.24	12.17	0.38	0.00	1.78	0.00
19.7	264.40	0.00	9.02	0.00	80.50	63.27	11.76	11.74	0.42	0.00	6.58	0.00
19.8	267.58	0.00	8.58	0.00	105.29	80.59	12.22	12.16	0.00	0.00	0.00	0.00
19.9	270.56	0.00	8.72	0.00	106.87	83.01	12.98	12.94	0.00	0.00	0.00	0.00
20	153.15	7.18	9.36	9.61	80.76	54.08	11.25	11.20	0.00	0.00	0.00	0.00
20.1	151.88	1.63	9.90	6.84	62.60	51.79	13.53	13.22	2.72	1.65	7.07	10.74
20.2	240.97	0.51	6.35	3.88	67.05	52.70	12.54	12.48	1.00	0.00	5.75	0.00
20.3	275.63	0.00	8.38	0.00	69.95	53.33	11.78	11.50	0.78	0.00	9.38	0.00
20.4	183.59	3.18	9.64	7.98	77.82	51.59	11.12	11.05	0.00	0.00	0.00	0.00
20.5	177.20	13.87	8.56	9.28	97.86	76.41	12.16	12.17	0.00	0.00	0.00	0.00
20.6	252.64	0.00	7.39	0.00	90.80	73.90	11.26	11.26	0.00	0.00	0.00	0.00
20.7	248.25	0.00	7.19	0.00	74.22	61.96	10.77	10.55	0.00	0.00	0.00	0.00
20.8	236.44	0.00	9.01	0.00	58.28	52.07	10.76	10.78	0.40	0.00	7.08	0.00
20.9	171.93	7.08	7.54	7.79	84.75	71.26	11.46	11.40	0.00	0.00	0.00	0.00
21	156.04	0.58	6.95	7.95	84.50	71.45	12.80	12.58	0.00	0.00	0.00	0.00
21.1	72.53	0.52	15.81	7.42	43.65	32.56	13.47	13.85	0.14	0.19	9.57	14.35

21.2	266.49	0.00	7.57	0.00	71.13	51.75	10.38	10.37	0.00	0.00	0.00	0.00
21.3	268.70	0.00	7.49	0.00	80.51	67.48	11.92	11.60	0.00	0.00	0.00	0.00
21.4	174.56	0.09	9.04	10.13	57.10	53.90	10.56	10.46	0.34	0.00	6.68	0.00
21.5	206.47	0.00	8.51	0.00	55.49	49.59	11.59	10.96	1.78	0.00	7.29	0.00
21.6	208.09	0.08	7.65	7.32	72.86	53.92	10.51	10.51	0.00	0.00	0.00	0.00
21.7	205.83	0.81	8.42	4.93	80.89	61.23	11.28	11.30	0.00	0.00	0.00	0.00
21.8	276.51	0.00	8.40	0.00	90.02	72.96	12.36	12.26	0.00	0.00	0.00	0.00
21.9	159.42	28.99	9.53	8.71	81.78	58.05	11.61	11.59	0.00	0.00	0.00	0.00
22	255.02	0.00	8.76	0.00	88.37	69.32	11.85	11.70	0.00	0.00	0.00	0.00
22.1	242.88	0.00	7.13	0.00	83.66	67.20	12.16	12.11	0.00	0.00	0.00	0.00
22.2	239.55	0.00	8.90	0.00	99.43	82.16	12.37	12.30	0.00	0.00	0.00	0.00
22.3	222.04	0.00	10.01	0.00	56.55	45.23	10.04	10.03	0.00	0.00	0.00	0.00
22.4	207.66	0.00	9.38	0.00	53.72	46.63	11.16	11.28	0.00	0.00	0.00	0.00
22.5	256.96	0.00	8.25	0.00	85.86	65.90	11.28	11.32	0.33	0.00	6.61	0.00
22.6	203.99	7.98	9.10	10.13	71.17	57.47	12.56	12.47	0.00	0.00	0.00	0.00
22.7	234.98	0.00	8.50	0.00	99.40	75.54	12.43	12.25	0.00	0.00	0.00	0.00
22.8	256.19	0.00	8.63	0.00	68.63	50.10	11.18	11.12	0.00	0.00	0.00	0.00
22.9	130.82	18.87	7.89	7.80	81.28	64.71	12.47	12.47	0.61	0.00	5.88	0.00
23	260.34	0.43	7.36	8.38	85.45	66.28	11.90	11.74	0.00	0.00	0.00	0.00
23.1	211.36	0.00	7.99	0.00	80.88	69.49	12.06	11.94	0.45	0.00	3.10	0.00
23.2	211.91	0.00	8.28	0.00	70.40	55.51	10.93	10.98	0.00	0.00	0.00	0.00
23.3	141.44	22.47	8.48	7.95	92.97	68.79	11.60	11.54	0.00	0.00	0.00	0.00
23.4	237.97	0.00	8.24	0.00	88.61	71.48	11.55	11.54	0.00	0.00	0.00	0.00
23.5	190.47	0.00	8.84	0.00	50.80	40.05	9.77	9.65	0.00	0.00	0.00	0.00
23.6	203.27	0.00	9.68	0.00	79.54	67.98	12.53	12.33	0.00	0.00	0.00	0.00
23.7	217.88	0.00	7.83	0.00	75.48	60.77	11.55	11.41	0.00	0.00	0.00	0.00
23.8	247.50	0.00	7.89	0.00	100.93	77.85	11.77	11.53	0.00	0.00	0.00	0.00
23.9	171.07	0.01	9.82	10.94	84.60	70.45	11.81	11.52	0.00	0.00	0.00	0.00
24	191.67	0.00	10.67	0.00	63.68	52.21	11.00	10.99	0.00	0.00	0.00	0.00
24.1	243.24	0.00	8.65	0.00	74.75	59.19	11.52	11.42	0.00	0.00	0.00	0.00
24.2	245.71	0.00	12.63	0.00	70.74	54.70	11.33	11.34	0.00	0.00	0.00	0.00
24.3	214.11	0.00	9.45	0.00	98.00	78.87	12.33	12.03	0.81	0.00	3.72	0.00
24.4	252.57	0.00	7.54	0.00	71.19	57.34	11.17	11.03	0.55	0.00	2.08	0.00
24.5	222.61	0.00	10.12	0.00	76.78	63.52	12.09	11.91	1.59	0.00	6.08	0.00
24.6	229.50	0.00	7.78	0.00	91.31	71.35	12.47	12.66	0.06	0.26	4.97	7.46
24.7	279.37	0.00	8.70	0.00	87.87	74.49	12.91	12.82	0.00	0.00	0.00	0.00
24.8	279.86	0.00	8.70	0.00	85.68	66.75	12.29	12.29	0.55	0.01	3.59	5.39
24.9	247.38	0.51	8.53	3.73	72.86	60.08	12.14	11.96	0.96	0.00	2.84	0.00
25	262.84	0.00	10.78	0.00	89.53	71.62	11.32	11.30	0.00	0.00	0.00	0.00
25.1	247.73	0.00	7.30	0.00	56.73	45.32	12.70	12.12	0.55	0.00	10.84	0.00
25.2	228.66	0.00	10.65	0.00	47.05	36.20	9.18	9.09	0.40	0.00	5.57	0.00
25.3	250.92	0.00	7.34	0.00	87.31	71.33	11.87	11.74	0.34	0.00	4.77	0.00
25.4	237.62	0.00	6.29	0.00	75.19	60.79	12.65	12.33	0.00	0.00	0.00	0.00

25.5	249.45	0.00	7.58	0.00	75.70	59.01	12.01	11.88	0.38	0.00	4.61	0.00
25.6	227.94	0.00	11.08	0.00	75.63	55.82	12.22	12.06	0.59	0.00	3.48	0.00
25.7	260.32	0.00	8.48	0.00	68.53	49.11	11.24	11.23	0.00	0.00	0.00	0.00
25.8	260.30	0.00	8.25	0.00	91.38	72.77	12.93	13.04	0.00	0.00	0.00	0.00
25.9	174.37	2.00	9.27	9.14	82.47	63.90	12.31	11.96	0.00	0.00	0.00	0.00
26	265.95	0.00	8.19	0.00	81.33	64.36	12.08	11.94	0.49	0.00	3.85	0.00
26.1	240.39	0.00	21.41	0.00	76.23	64.66	12.28	12.45	0.54	0.19	4.98	9.84
26.2	211.79	0.00	13.05	0.00	87.46	64.41	12.40	12.30	4.55	0.00	5.66	0.00
26.3	202.24	0.48	6.17	2.71	78.30	52.95	10.70	10.71	0.00	0.00	0.00	0.00
26.4	230.36	0.16	14.29	3.65	73.75	58.39	10.50	10.34	0.00	0.00	0.00	0.00
26.5	163.06	0.36	8.55	8.14	56.62	46.76	13.37	13.26	3.07	0.00	14.83	0.00
26.6	159.21	0.00	8.11	0.00	63.81	48.01	11.19	11.14	0.56	0.00	6.78	0.00
26.7	176.71	0.00	13.33	0.00	67.90	51.90	12.06	11.81	0.42	0.00	9.97	0.00
26.8	168.21	0.00	10.88	0.00	53.91	44.40	11.23	11.21	2.73	0.00	8.18	0.00
26.9	166.90	0.00	9.42	0.00	74.85	55.53	12.07	11.92	1.16	0.00	13.42	0.00
27	153.28	0.00	9.22	0.00	63.31	50.98	11.24	11.20	1.48	0.00	6.43	0.00
27.1	182.78	0.00	5.72	0.00	76.30	56.36	11.63	11.71	0.34	0.00	2.04	0.00
27.2	201.38	0.00	7.21	0.00	107.17	88.81	12.52	12.42	0.00	0.00	0.00	0.00
27.3	184.16	1.73	9.73	8.05	95.46	72.85	12.34	12.32	0.00	0.00	0.00	0.00
27.4	176.99	0.00	7.36	0.00	93.95	74.25	12.40	12.27	0.00	0.00	0.00	0.00
27.5	223.68	0.12	13.12	9.93	85.77	67.57	12.66	12.68	0.38	0.00	4.90	0.00
27.6	206.64	0.46	10.96	5.29	87.59	72.90	12.74	12.54	0.00	0.00	0.00	0.00
27.7	144.04	1.19	13.35	7.14	67.30	54.36	11.59	11.60	3.11	0.28	11.22	3.94
27.8	223.54	1.97	16.88	15.48	72.94	59.65	11.55	11.40	0.33	0.28	5.02	6.62
27.9	201.69	0.00	15.28	0.00	89.23	74.59	12.11	11.87	0.78	0.39	9.81	10.06
28	208.49	4.75	12.86	13.31	49.51	41.85	10.79	10.71	0.00	0.00	0.00	0.00
28.1	241.18	1.65	13.08	18.67	88.43	68.45	12.12	12.04	0.12	0.22	2.76	4.14
28.2	203.40	0.00	8.79	0.00	65.25	53.36	10.92	10.69	0.39	0.00	6.14	0.00
28.3	225.51	2.07	7.06	4.31	78.61	66.91	11.32	11.24	0.00	0.00	0.00	0.00
28.4	266.03	0.00	8.09	0.00	82.78	67.26	11.45	11.39	0.90	0.00	4.03	0.00
28.5	179.98	2.12	8.39	9.97	67.74	50.49	10.21	10.41	2.77	0.00	5.51	0.00
28.6	240.25	0.00	7.09	0.00	82.77	68.68	11.99	12.02	0.45	0.00	4.36	0.00
28.7	244.79	1.98	6.38	5.33	89.28	70.92	11.82	11.69	0.98	0.00	3.87	0.00
28.8	251.61	0.00	6.97	0.00	90.58	70.20	11.85	11.86	0.00	0.00	0.00	0.00
28.9	227.18	0.00	10.04	0.00	83.27	69.64	10.99	10.82	0.52	0.00	3.64	0.00
29	260.67	0.00	8.09	0.00	90.18	71.68	11.00	11.06	0.36	0.00	4.54	0.00
29.1	221.56	0.00	7.96	0.00	87.56	69.36	12.44	12.42	1.37	0.00	6.84	0.00
29.2	213.73	0.00	9.15	0.00	85.95	72.86	12.43	12.43	0.00	0.00	0.00	0.00
29.3	174.17	4.72	8.26	9.37	96.09	72.52	12.60	12.51	0.48	0.00	7.54	0.00
29.4	219.14	0.06	7.20	8.51	93.24	73.20	12.50	12.50	0.00	0.00	0.00	0.00
29.5	253.01	0.00	6.63	0.00	79.16	54.31	11.85	11.89	0.00	0.00	0.00	0.00
29.6	159.33	0.00	6.94	0.00	106.09	86.50	13.86	13.81	0.00	0.00	0.00	0.00
29.7	122.95	0.11	6.37	8.95	101.90	80.21	13.17	13.19	0.00	0.00	0.00	0.00

29.8	97.27	0.00	7.16	0.00	86.14	62.66	12.70	12.72	0.00	0.00	0.00	0.00
29.9	124.69	0.00	7.23	0.00	92.87	75.00	13.00	12.91	0.42	0.00	6.18	0.00
30	135.19	0.00	7.91	0.00	67.63	49.76	11.87	11.80	0.00	0.00	0.00	0.00
30.1	133.04	0.00	4.95	0.00	72.93	51.53	11.16	11.19	0.00	0.00	0.00	0.00
30.2	141.37	0.00	7.27	0.00	93.70	73.34	12.85	12.85	0.00	0.00	0.00	0.00
30.3	199.75	0.00	8.01	0.00	83.12	58.99	13.20	13.16	0.00	0.00	0.00	0.00
30.4	134.03	0.82	8.84	11.59	66.60	50.01	11.63	11.85	0.78	0.00	6.20	0.00
30.5	262.69	0.00	8.20	0.00	105.09	86.40	13.62	13.55	0.00	0.00	0.00	0.00
30.6	248.63	0.00	7.85	0.00	81.31	63.99	12.67	12.56	0.00	0.00	0.00	0.00
30.7	260.34	0.00	8.03	0.00	94.79	76.23	12.86	12.81	0.40	0.00	5.81	0.00
30.8	266.92	0.00	9.62	0.00	80.63	60.63	13.22	13.20	0.00	0.00	0.00	0.00
30.9	68.23	0.08	9.31	10.25	35.68	29.53	12.15	12.04	0.54	0.00	6.46	0.00
31	0.00	0.00	0.00	0.00	9.14	4.69	10.46	9.68	0.75	0.11	15.73	11.73
31.1	0.82	0.12	8.24	5.91	5.29	8.41	13.01	14.09	0.63	0.00	14.67	0.00
31.2	100.94	0.00	11.90	0.00	48.67	42.77	11.74	11.77	0.00	0.00	0.00	0.00
31.3	257.71	0.00	9.04	0.00	106.33	95.68	13.46	13.35	0.49	0.00	9.53	0.00
31.4	209.30	0.00	8.82	0.00	112.25	90.94	12.50	12.41	0.00	0.00	0.00	0.00
31.5	232.77	0.00	7.73	0.00	98.88	78.15	13.14	13.10	0.77	0.00	5.19	0.00
31.6	219.13	0.00	9.87	0.00	81.45	62.47	12.62	12.67	0.00	0.00	0.00	0.00
31.7	268.88	0.00	9.52	0.00	98.95	78.46	13.19	13.06	0.57	0.00	7.39	0.00
31.8	264.50	0.00	6.93	0.00	79.14	58.39	11.89	11.90	0.31	0.05	9.42	14.13
31.9	272.57	1.97	8.36	7.52	76.53	52.05	10.78	10.75	0.00	0.00	0.00	0.00
32	227.14	0.00	8.94	0.00	101.53	80.66	12.62	12.57	0.00	0.00	0.00	0.00
32.1	123.98	1.16	8.25	5.43	88.31	67.45	11.59	11.71	1.48	0.00	4.81	0.00
32.2	151.08	0.00	7.68	0.00	92.33	78.59	12.62	12.44	0.49	0.00	2.83	0.00
32.3	156.39	0.00	8.54	0.00	101.44	83.03	12.99	12.91	0.00	0.00	0.00	0.00
32.4	99.79	0.00	6.03	0.00	84.54	58.26	11.57	11.55	0.00	0.00	0.00	0.00
32.5	27.58	0.31	4.84	6.18	72.78	52.10	10.45	10.57	0.00	0.00	0.00	0.00
32.6	57.26	0.00	5.82	0.00	85.67	66.49	11.54	11.53	0.57	0.00	1.59	0.00
32.7	26.42	0.52	4.95	4.39	85.83	68.42	11.54	11.37	0.00	0.00	0.00	0.00
32.8	9.06	33.07	3.12	4.96	87.56	73.96	12.73	12.87	0.00	0.00	0.00	0.00
32.9	118.52	0.00	8.47	0.00	84.50	65.89	11.62	11.53	0.63	0.21	5.86	3.13
33	4.59	0.39	2.87	4.65	108.52	85.57	11.80	11.82	0.41	0.06	0.68	1.02
33.1	35.45	0.00	4.42	0.00	78.72	52.22	11.24	11.33	0.00	0.00	0.00	0.00
33.2	104.74	0.00	6.31	0.00	91.28	73.13	12.09	12.09	0.39	0.00	7.06	0.00
33.3	152.44	0.00	7.81	0.00	87.59	73.45	11.92	11.92	0.00	0.00	0.00	0.00
33.4	128.26	0.00	7.15	0.00	72.02	59.74	12.64	12.39	0.00	0.00	0.00	0.00
33.5	34.18	0.01	5.52	3.89	65.87	54.07	12.56	12.64	0.00	0.00	0.00	0.00
33.6	131.00	0.00	7.65	0.00	81.01	68.34	12.34	12.25	0.14	0.19	5.22	7.83
33.7	179.60	0.00	9.88	0.00	59.43	44.73	9.89	9.86	0.55	0.00	1.62	0.00
33.8	162.70	0.00	8.24	0.00	61.22	46.87	9.85	9.79	0.41	0.00	3.34	0.00
33.9	103.76	0.00	6.80	0.00	103.78	86.35	12.24	12.17	0.00	0.00	0.00	0.00
34	196.04	0.00	8.15	0.00	77.60	59.79	11.80	11.58	0.00	0.00	0.00	0.00

34.1	220.83	0.00	8.03	0.00	82.71	63.15	11.62	11.63	0.82	0.00	7.73	0.00
34.2	199.74	0.71	7.84	14.20	83.06	70.97	13.35	13.16	0.00	0.00	0.00	0.00
34.3	0.00	0.00	0.00	0.00	39.35	29.30	11.67	11.78	0.00	0.00	0.00	0.00
34.4	115.88	0.00	9.32	0.00	79.53	64.69	10.49	10.78	0.00	0.00	0.00	0.00
34.5	117.16	0.00	6.99	0.00	102.76	84.11	13.23	13.14	0.00	0.00	0.00	0.00
34.6	128.59	0.00	6.92	0.00	87.97	69.66	12.20	12.20	0.00	0.00	0.00	0.00
34.7	104.04	0.00	6.73	0.00	88.27	68.61	11.77	11.79	0.00	0.00	0.00	0.00
34.8	34.33	0.00	6.07	0.00	93.68	68.51	11.93	11.95	0.00	0.00	0.00	0.00
34.9	45.58	0.08	6.39	3.12	79.92	62.34	11.33	11.39	0.00	0.00	0.00	0.00
35	52.94	26.35	8.08	6.93	79.93	65.54	11.89	11.85	0.00	0.00	0.00	0.00
35.1	179.55	0.95	7.81	7.35	104.16	86.39	13.46	13.35	0.00	0.00	0.00	0.00
35.2	161.04	0.00	7.23	0.00	100.24	79.01	12.49	12.51	0.00	0.00	0.00	0.00
35.3	94.04	0.00	7.55	0.00	97.72	77.37	12.25	12.23	0.43	0.00	4.01	0.00
35.4	107.70	0.00	9.43	0.00	94.69	75.88	12.80	12.78	0.00	0.00	0.00	0.00
35.5	116.45	0.00	12.91	0.00	86.61	64.41	11.63	11.66	0.00	0.00	0.00	0.00
35.6	71.47	0.20	7.99	7.20	78.67	53.55	10.91	10.93	0.00	0.00	0.00	0.00
35.7	108.80	0.00	6.33	0.00	85.55	71.85	13.49	13.30	0.48	0.00	9.38	0.00
35.8	120.29	0.00	9.76	0.00	81.73	63.07	12.64	12.68	1.13	0.41	10.48	6.95
35.9	0.00	0.00	0.00	0.00	42.76	31.15	12.26	12.34	0.00	0.00	0.00	0.00
36	190.13	0.00	8.02	0.00	75.83	59.48	12.43	12.40	1.05	0.04	5.73	8.59
36.1	245.13	0.00	9.82	0.00	80.90	71.52	15.32	15.14	0.00	0.19	0.00	12.16
36.2	217.35	0.00	9.36	0.00	78.67	66.23	14.08	13.72	0.53	0.00	2.44	0.00
36.3	185.89	0.00	8.56	0.00	60.43	52.51	12.50	12.44	0.47	0.00	2.18	0.00
36.4	116.18	0.00	9.01	0.00	65.06	58.62	11.89	11.79	0.51	0.00	2.51	0.00
36.5	152.64	0.00	10.11	0.00	71.29	65.27	13.49	13.36	0.00	0.00	0.00	0.00
36.6	213.89	0.00	8.79	0.00	90.62	74.98	14.03	13.65	0.00	0.00	0.00	0.00
36.7	187.83	0.00	6.92	0.00	93.60	78.30	13.40	13.19	0.00	0.00	0.00	0.00
36.8	201.89	0.00	9.42	0.00	59.92	52.64	12.27	12.32	0.00	0.00	0.00	0.00
36.9	195.39	0.00	8.59	0.00	87.25	76.99	12.74	12.47	0.40	0.00	4.52	0.00
37	226.63	0.00	9.57	0.00	101.25	80.90	11.38	11.42	0.53	0.00	2.03	0.00
37.1	141.63	0.00	10.54	0.00	52.24	39.82	13.17	13.05	1.12	0.00	3.80	0.00
37.2	245.84	2.45	17.37	24.82	91.18	70.67	13.19	12.87	0.58	0.21	8.61	12.63
37.3	214.77	5.70	10.49	10.22	103.37	79.66	12.80	12.78	0.00	0.00	0.00	0.00
37.4	204.43	6.98	9.84	9.82	88.34	68.75	12.08	11.60	1.95	0.00	8.40	0.00
37.5	267.96	0.00	10.61	0.00	68.17	54.03	12.45	12.47	0.38	0.00	6.91	0.00
37.6	249.97	0.81	11.00	6.03	102.83	80.46	12.04	12.16	0.53	0.00	1.67	0.00
37.7	244.02	0.12	10.28	0.24	89.39	72.27	13.02	13.18	0.00	0.00	0.00	0.00
37.8	239.06	0.00	10.03	0.00	84.79	69.40	13.57	13.42	0.00	0.00	0.00	0.00
37.9	285.10	0.00	10.66	0.00	96.11	73.27	13.28	13.25	0.00	0.00	0.00	0.00
38	236.78	0.00	10.87	0.00	79.61	57.56	13.33	13.40	0.00	0.00	0.00	0.00
38.1	265.19	0.00	10.05	0.00	109.93	87.49	12.99	12.97	0.00	0.00	0.00	0.00
38.2	251.02	0.50	10.28	8.72	90.36	69.40	12.97	12.91	0.00	0.00	0.00	0.00
38.3	206.06	0.00	10.47	0.00	106.65	86.62	12.78	12.78	0.00	0.00	0.00	0.00

38.4	158.94	0.00	8.29	0.00	76.06	53.73	13.22	13.23	0.41	0.00	7.43	0.00
38.5	231.20	0.00	10.21	0.00	85.53	65.54	12.00	11.98	0.00	0.00	0.00	0.00
38.6	80.95	2.43	10.97	9.56	92.21	75.75	12.70	12.65	1.15	0.00	8.87	8.30
38.7	94.02	27.83	10.53	8.14	86.99	72.59	12.79	12.67	0.00	0.00	0.00	0.00
38.8	175.24	1.08	7.62	8.05	86.66	74.17	13.01	12.99	0.00	0.00	0.00	0.00
38.9	179.37	0.00	9.82	0.00	67.83	52.83	12.21	12.21	0.00	0.00	0.00	0.00
39	222.45	0.43	10.73	5.44	93.40	71.69	12.45	12.39	0.42	0.00	5.01	0.00
39.1	169.51	0.00	10.28	0.00	81.35	67.85	11.64	11.64	1.17	0.00	7.67	0.00
39.2	195.64	0.00	10.29	0.00	89.90	76.21	13.32	13.15	0.00	0.00	0.00	0.00
39.3	202.11	0.00	11.03	0.00	104.81	86.33	13.17	13.16	0.00	0.00	0.00	0.00
39.4	234.12	0.00	10.97	0.00	76.89	54.10	13.01	13.10	0.00	0.00	0.00	0.00
39.5	247.41	0.52	9.95	6.29	96.59	79.31	13.41	13.38	0.00	0.00	0.00	0.00
39.6	170.69	0.00	10.68	0.00	94.82	79.08	12.74	12.65	0.34	0.00	5.34	0.00
39.7	171.42	0.00	9.93	0.00	99.95	80.23	12.28	12.29	0.00	0.00	0.00	0.00
39.8	187.61	0.00	9.78	0.00	79.60	54.45	13.23	13.21	0.00	0.00	0.00	0.00
39.9	179.56	0.00	9.80	0.00	104.86	81.32	12.74	12.77	0.00	0.00	0.00	0.00
40	194.96	0.00	9.51	0.00	98.03	79.74	12.80	12.77	0.45	0.00	1.81	0.00
40.1	169.36	0.00	8.87	0.00	97.85	80.06	13.90	13.84	0.00	0.00	0.00	0.00
40.2	176.16	0.00	9.69	0.00	75.82	54.74	13.15	13.17	0.00	0.00	0.00	0.00
40.3	164.46	0.00	9.04	0.00	91.49	70.60	12.51	12.55	0.00	0.00	0.00	0.00
40.4	169.35	2.62	8.25	6.80	90.13	70.98	13.32	13.24	0.00	0.00	0.00	0.00
40.5	175.19	0.00	9.50	0.00	105.01	83.52	12.67	12.68	0.00	0.00	0.00	0.00
40.6	172.95	0.00	8.82	0.00	106.57	88.55	13.92	13.90	0.00	0.25	0.00	3.16
40.7	158.31	0.00	9.95	0.00	70.04	53.72	14.08	14.08	0.56	0.00	6.64	0.00
40.8	158.45	0.00	13.90	0.00	97.38	81.18	11.25	11.09	0.82	0.00	12.79	0.00
40.9	150.31	0.00	9.71	0.00	96.19	76.31	13.49	13.46	0.00	0.28	0.00	5.57
41	154.69	0.00	8.16	0.00	107.07	86.25	13.25	13.26	0.00	0.00	0.00	0.00
41.1	158.73	0.00	8.11	0.00	77.61	53.31	12.23	12.27	0.53	0.00	5.49	0.00
41.2	167.16	0.01	9.04	4.91	101.72	85.04	13.43	13.29	0.42	0.09	6.06	9.09
41.3	138.89	0.00	9.11	0.00	78.72	64.30	12.51	12.39	0.00	0.00	0.00	0.00
41.4	105.97	0.00	8.82	0.00	60.62	53.30	11.18	11.13	0.45	0.00	8.31	0.00
41.5	71.13	1.03	7.03	6.30	77.02	70.19	13.12	12.78	0.00	0.00	0.00	0.00
41.6	113.37	0.29	8.62	5.55	84.67	69.67	13.51	13.45	0.54	0.00	3.13	0.00
41.7	155.78	8.65	8.11	9.73	94.38	80.50	13.12	12.95	0.60	0.00	5.02	0.00
41.8	121.04	0.00	7.87	0.00	93.67	83.76	12.65	12.40	0.41	0.00	7.35	0.00
41.9	66.05	0.00	8.76	0.00	76.48	56.77	11.87	11.87	0.14	0.20	2.03	3.05
42	116.67	0.00	9.31	0.00	73.22	54.14	11.79	11.97	0.00	0.00	0.00	0.00
42.1	133.33	0.00	9.38	0.00	82.18	67.73	12.92	12.80	1.14	1.11	6.39	9.59
42.2	141.42	0.00	10.19	0.00	90.76	73.87	12.74	12.60	0.47	0.00	5.29	0.00
42.3	129.97	0.54	9.07	8.61	97.61	84.36	13.28	13.22	0.38	0.00	9.91	0.00
42.4	83.74	7.39	15.34	8.66	68.18	55.39	13.04	13.27	4.75	0.98	20.90	7.04
42.5	168.66	1.78	18.26	20.87	77.06	62.01	13.03	13.01	1.36	1.35	9.09	15.77
42.6	158.91	0.00	9.28	0.00	72.99	52.89	11.49	11.54	0.00	0.00	0.00	0.00

42.7	112.62	0.00	6.95	0.00	106.03	85.12	12.63	12.61	0.46	0.00	5.78	0.00
42.8	214.41	0.00	8.82	0.00	102.13	83.21	13.11	13.05	0.00	0.00	0.00	0.00
42.9	118.83	1.61	8.17	9.10	75.42	64.81	11.64	11.55	1.75	0.12	14.36	7.87
43	126.13	0.00	11.19	0.00	97.61	85.70	13.30	13.14	0.00	0.00	0.00	0.00
43.1	198.54	0.00	8.30	0.00	76.72	55.63	11.77	11.79	0.00	0.00	0.00	0.00
43.2	176.00	0.00	8.32	0.00	78.54	53.53	11.20	11.23	0.00	0.00	0.00	0.00
43.3	161.27	0.00	8.43	0.00	95.97	77.88	12.42	12.35	0.78	0.00	7.58	0.00
43.4	96.73	0.55	8.75	10.11	95.50	72.41	12.07	12.03	0.51	0.00	5.95	0.00
43.5	105.51	0.00	7.08	0.00	96.07	81.24	12.39	12.19	0.89	0.00	10.40	0.00
43.6	124.49	0.00	8.21	0.00	80.84	54.89	11.63	11.70	0.00	0.00	0.00	0.00
43.7	155.69	0.00	13.08	0.00	106.33	88.67	12.72	12.69	0.00	0.00	0.00	0.00
43.8	110.89	0.00	7.54	0.00	91.71	69.77	11.82	11.73	0.83	0.00	6.82	0.00
43.9	125.12	0.00	7.95	0.00	92.61	73.21	11.77	11.75	0.46	0.00	5.04	0.00
44	89.92	0.63	7.83	9.03	97.07	87.51	13.85	13.61	0.53	0.00	4.08	0.00
44.1	93.79	0.00	6.65	0.00	71.34	52.96	10.87	10.91	0.00	0.00	0.00	0.00
44.2	94.56	0.00	8.13	0.00	66.46	53.36	11.04	11.03	1.26	0.05	4.37	6.90
44.3	127.79	0.00	8.46	0.00	60.44	52.85	11.01	11.06	0.64	0.00	4.31	0.00
44.4	109.98	0.00	8.32	0.00	91.25	86.60	13.17	13.09	0.00	0.00	0.00	0.00
44.5	122.19	0.00	9.31	0.00	76.70	59.41	11.65	11.70	1.54	0.00	5.05	0.00
44.6	50.31	15.75	10.37	8.30	73.55	51.47	11.33	11.34	0.00	0.00	0.00	0.00
44.7	71.20	0.20	6.60	9.62	77.65	52.96	11.10	11.10	0.48	0.00	4.57	0.00
44.8	73.12	3.46	12.84	13.08	80.70	54.49	10.96	10.95	0.00	0.00	0.00	0.00
44.9	129.48	0.07	8.44	5.12	110.64	90.12	12.52	12.50	0.00	0.00	0.00	0.00
45	141.27	0.00	8.87	0.00	73.61	62.73	12.37	12.30	0.00	0.00	0.00	0.00
45.1	129.00	0.00	9.91	0.00	106.63	90.82	12.79	12.38	0.41	0.00	3.74	0.00
45.2	167.13	0.00	7.42	0.00	77.32	56.43	10.76	10.78	0.00	0.00	0.00	0.00
45.3	116.55	0.33	6.84	4.66	71.85	51.01	10.77	10.79	0.42	0.00	4.65	0.00
45.4	108.84	0.00	9.19	0.00	67.27	56.38	11.81	11.86	1.84	0.00	6.04	0.00
45.5	132.82	0.91	8.15	22.53	89.46	82.99	12.48	12.20	0.88	0.06	5.88	7.34
45.6	106.21	0.00	9.67	0.00	62.95	61.22	12.46	12.30	0.93	0.22	6.61	2.76
45.7	87.14	0.00	8.66	0.00	85.96	71.31	11.93	11.82	0.00	0.00	0.00	0.00
45.8	131.59	0.00	9.29	0.00	96.10	80.42	13.12	13.04	0.00	0.00	0.00	0.00
45.9	131.87	0.00	10.27	0.00	85.37	66.74	11.65	11.60	2.16	0.00	13.40	0.00
46	115.06	1.47	10.04	7.84	59.53	48.98	10.82	10.78	5.47	0.00	10.51	0.00
46.1	116.21	0.00	11.02	0.00	63.63	50.98	10.42	10.40	0.95	0.00	13.75	0.00
46.2	117.56	0.00	8.03	0.00	87.17	76.97	12.68	12.39	0.98	0.00	3.98	0.00
46.3	114.44	3.03	15.49	13.81	73.86	61.54	11.89	11.74	1.65	0.51	8.56	8.91
46.4	26.73	0.65	6.54	8.94	100.57	88.54	13.05	13.00	0.00	0.00	0.00	0.00
46.5	60.17	0.00	8.32	0.00	86.59	68.23	11.63	11.70	0.87	0.00	9.21	0.00
46.6	84.69	0.00	10.48	0.00	75.79	62.52	12.47	12.35	0.83	0.13	3.53	5.29
46.7	122.94	0.00	7.73	0.00	81.35	69.11	13.04	12.78	0.79	0.00	5.43	0.00
46.8	101.26	0.72	8.30	14.38	75.35	60.27	11.44	11.38	0.37	0.00	6.15	0.00
46.9	147.78	0.00	7.25	0.00	81.07	74.45	12.94	12.69	0.00	0.00	0.00	0.00

47	130.86	0.00	6.26	0.00	97.23	79.40	13.05	13.01	0.00	0.00	0.00	0.00
47.1	61.13	1.33	9.95	6.37	44.74	34.97	12.76	12.95	16.72	7.87	19.19	20.71
47.2	169.23	14.85	12.92	15.81	60.27	45.25	11.30	11.23	9.71	4.74	16.28	20.18
47.3	178.36	0.00	8.00	0.00	74.52	51.60	12.28	12.20	0.55	0.00	6.18	0.00
47.4	87.49	0.00	6.05	0.00	81.16	58.92	11.72	11.80	0.37	0.00	8.61	0.00
47.5	115.55	0.48	7.70	8.69	83.27	67.51	13.73	13.46	0.47	0.00	4.76	0.00
47.6	262.76	1.20	8.64	6.32	40.54	42.89	11.61	11.17	0.54	0.45	7.45	7.03
47.7	168.25	2.93	9.30	9.78	59.23	58.48	13.94	12.62	2.29	0.20	15.52	3.90
47.8	140.94	24.32	17.27	18.68	51.50	33.73	14.05	14.05	3.05	0.56	26.42	6.75
47.9	266.06	2.39	15.52	36.45	37.65	34.17	11.59	11.28	1.79	2.02	17.53	19.85
48	161.19	1.51	7.75	17.85	31.95	35.81	10.88	10.86	0.26	0.06	20.55	30.82
48.1	171.27	0.92	17.02	29.99	55.65	56.45	14.00	13.48	8.51	1.66	15.40	17.16
48.2	211.67	2.07	11.96	23.63	59.00	60.04	12.48	12.74	3.26	0.40	12.08	13.48
48.3	197.38	16.46	18.51	18.31	47.86	51.74	13.59	12.94	4.27	2.46	13.35	22.49
48.4	151.88	1.42	13.35	15.04	32.25	39.65	12.10	11.79	1.64	0.81	13.66	7.96
48.5	157.60	16.19	14.34	14.32	33.43	33.24	14.36	14.58	2.38	1.14	28.96	19.15
48.6	243.65	0.80	16.34	13.33	35.33	33.88	13.61	12.84	2.09	0.81	10.10	7.56
48.7	219.06	0.39	16.80	4.49	50.25	56.14	15.39	14.94	4.72	0.95	17.31	20.61
48.8	256.71	8.15	14.86	15.36	75.93	75.59	14.21	13.79	2.79	1.02	21.36	20.12
48.9	273.10	23.26	17.03	20.09	56.93	53.70	12.16	11.56	1.84	3.27	13.26	20.42
49	266.63	0.85	15.86	8.37	50.24	44.02	11.46	11.18	1.76	0.75	19.31	24.50
49.1	157.71	0.16	20.13	18.14	23.27	21.14	10.47	10.50	12.86	5.90	24.40	23.14
49.2	143.52	0.00	3.59	0.00	85.59	63.62	12.04	11.99	10.16	3.86	14.20	13.96
49.3	144.51	0.00	5.77	0.00	98.70	77.46	12.43	12.39	0.39	0.00	3.19	0.00
49.4	137.56	6.39	4.86	11.33	95.93	72.18	12.33	12.38	0.00	0.00	0.00	0.00
49.5	142.86	0.81	4.65	9.07	96.56	70.91	12.31	12.23	0.00	0.00	0.00	0.00
49.6	135.24	4.49	3.89	9.58	118.52	96.63	12.71	12.73	0.00	0.00	0.00	0.00
49.7	136.71	0.00	3.21	0.00	93.63	70.31	12.51	12.40	0.00	0.00	0.00	0.00
49.8	136.16	0.00	3.46	0.00	103.22	81.02	11.86	11.67	0.40	0.00	6.26	0.00
49.9	138.72	0.00	3.32	0.00	90.52	66.31	11.94	12.04	0.00	0.00	0.00	0.00
50	134.79	0.33	2.94	4.24	85.84	66.00	11.93	11.92	0.00	0.00	0.00	0.00
50.1	135.94	0.02	3.31	4.13	95.38	74.05	12.18	12.17	0.46	0.00	1.73	0.00
50.2	125.26	0.00	2.70	0.00	81.55	54.85	12.30	12.29	0.00	0.00	0.00	0.00
50.3	130.43	0.00	6.91	0.00	74.61	52.09	11.85	11.88	0.00	0.00	0.00	0.00
50.4	113.53	0.00	2.69	0.00	70.13	46.25	10.75	10.93	0.00	0.00	0.00	0.00
50.5	144.95	0.00	3.08	0.00	80.25	52.88	11.79	11.82	0.00	0.00	0.00	0.00
50.6	141.90	0.00	3.15	0.00	103.70	81.24	12.44	12.35	0.00	0.00	0.00	0.00
50.7	141.24	0.00	3.19	0.00	91.83	72.94	12.88	12.78	0.00	0.00	0.00	0.00
50.8	141.91	0.00	4.31	0.00	90.23	64.35	12.24	12.37	0.39	0.00	3.66	0.00
50.9	143.56	0.00	3.37	0.00	95.05	73.68	12.54	12.43	0.00	0.00	0.00	0.00
51	144.40	0.00	2.97	0.00	102.50	82.45	13.25	13.28	0.00	0.00	0.00	0.00
51.1	99.38	0.00	2.19	0.00	100.33	78.59	12.75	12.75	0.00	0.00	0.00	0.00
51.2	127.47	0.00	5.85	0.00	84.69	58.54	12.53	12.54	0.00	0.00	0.00	0.00

51.3	139.14	0.00	4.56	0.00	92.42	67.82	12.21	12.30	0.00	0.00	0.00	0.00
51.4	124.94	0.00	5.08	0.00	101.73	76.98	12.48	12.50	0.38	0.00	2.56	0.00
51.5	106.89	0.89	8.63	12.23	102.37	78.67	12.99	12.92	0.86	0.12	3.60	5.41
51.6	120.22	0.00	2.38	0.00	92.34	65.62	12.77	12.79	0.00	0.00	0.00	0.00
51.7	122.51	0.00	5.93	0.00	93.56	68.19	12.06	12.09	0.00	0.00	0.00	0.00
51.8	129.56	0.00	7.88	0.00	103.39	81.75	12.38	12.39	0.00	0.00	0.00	0.00
51.9	201.60	0.00	7.15	0.00	100.62	77.92	10.59	10.54	0.00	0.00	0.00	0.00
52	110.35	0.00	4.61	0.00	84.60	59.29	12.37	12.36	0.35	0.00	2.45	0.00
52.1	74.62	0.00	1.96	0.00	109.35	85.94	11.37	11.35	0.00	0.00	0.00	0.00
52.2	62.64	0.00	7.55	0.00	100.88	76.48	12.01	11.84	1.88	0.24	2.05	3.55
52.3	176.44	0.69	7.53	11.83	79.52	55.03	12.77	12.77	0.53	0.00	1.54	0.00
52.4	273.73	0.91	7.17	4.80	100.23	75.05	10.61	10.58	0.00	0.00	0.00	0.00
52.5	252.61	2.88	13.89	8.32	78.75	74.30	11.23	10.83	1.60	0.47	12.91	5.28
52.6	115.35	0.37	13.70	6.17	40.53	52.45	11.35	11.22	2.29	0.65	5.32	3.91
52.7	123.80	15.95	8.15	8.47	46.49	47.11	11.30	11.36	0.00	0.00	0.00	0.00
52.8	130.05	0.00	6.84	0.00	46.07	45.88	11.97	12.09	0.00	0.00	0.00	0.00
52.9	51.92	0.01	7.42	9.69	59.84	57.21	15.56	14.92	0.48	0.00	2.97	0.00
53	132.22	0.00	5.96	0.00	46.37	47.74	14.87	14.69	0.00	0.00	0.00	0.00
53.1	114.03	0.00	10.62	0.00	36.88	35.31	11.99	12.05	0.42	0.00	8.46	0.00
53.2	66.94	0.00	6.21	0.00	22.35	30.56	9.48	9.40	0.00	0.00	0.00	0.00
53.3	58.09	0.00	3.90	0.00	28.96	35.76	11.13	10.88	0.88	0.14	5.39	8.08
53.4	88.91	0.00	5.96	0.00	41.24	50.55	16.09	15.47	0.00	0.00	0.00	0.00
53.5	61.80	0.00	7.78	0.00	26.94	36.59	11.94	12.02	0.51	0.00	5.65	0.00
53.6	67.92	0.00	5.80	0.00	30.68	43.29	13.56	13.24	0.00	0.00	0.00	0.00
53.7	89.67	0.00	5.70	0.00	26.23	30.00	10.43	10.24	0.00	0.24	0.00	3.45
53.8	123.37	0.00	5.87	0.00	32.08	35.52	15.14	14.97	0.60	0.00	6.86	0.00
53.9	108.60	0.00	5.76	0.00	28.93	32.50	11.60	12.00	0.00	0.00	0.00	0.00
54	99.29	0.00	6.07	0.00	24.51	30.25	10.05	9.78	0.00	0.00	0.00	0.00
54.1	115.07	0.00	5.42	0.00	35.17	43.49	14.38	14.48	0.00	0.00	0.00	0.00
54.2	70.11	0.00	4.64	0.00	24.02	36.46	17.44	17.47	0.00	0.00	0.00	0.00
54.3	59.63	0.00	6.19	0.00	22.77	30.73	12.78	12.86	0.00	0.00	0.00	0.00
54.4	63.16	0.00	6.31	0.00	31.19	43.05	12.62	12.93	0.00	0.00	0.00	0.00
54.5	69.34	0.00	6.86	0.00	36.47	46.74	15.41	14.74	0.40	0.00	3.65	0.00
54.6	74.85	0.00	5.43	0.00	34.07	44.55	14.58	14.30	0.73	0.41	11.88	8.91
54.7	105.03	0.00	6.36	0.00	31.25	44.51	16.49	16.02	0.00	0.00	0.00	0.00
54.8	75.97	0.00	7.04	0.00	19.88	31.91	10.41	10.42	0.00	0.00	0.00	0.00
54.9	123.72	0.93	4.49	6.64	19.61	31.33	9.88	9.70	0.00	0.00	0.00	0.00
55	123.93	0.00	7.28	0.00	41.02	52.31	13.82	13.57	0.00	0.00	0.00	0.00
55.1	106.25	0.00	6.50	0.00	44.28	48.60	12.73	12.38	0.00	0.00	0.00	0.00
55.2	80.42	0.00	6.72	0.00	43.71	51.18	13.29	13.33	0.00	0.00	0.00	0.00
55.3	71.79	0.00	6.52	0.00	58.21	53.02	12.10	12.15	0.58	0.26	4.74	7.11
55.4	110.55	0.00	8.59	0.00	49.83	59.40	13.41	13.21	0.00	0.00	0.00	0.00
55.5	167.77	0.00	7.67	0.00	53.78	58.41	14.52	14.25	0.57	0.00	19.54	0.00

55.6	107.03	0.00	5.59	0.00	33.81	42.47	11.05	10.91	0.40	0.00	6.37	0.00
55.7	77.94	0.00	5.77	0.00	32.45	39.74	10.83	10.70	0.00	0.00	0.00	0.00
55.8	118.13	0.00	8.53	0.00	34.51	43.06	14.40	14.30	0.00	0.00	0.00	0.00
55.9	102.50	0.00	8.89	0.00	19.95	39.58	15.32	15.36	0.46	0.00	4.69	0.00
56	84.45	0.52	8.30	7.31	34.50	42.04	12.77	12.87	0.00	0.00	0.00	0.00
56.1	41.37	2.25	16.78	11.13	15.77	20.95	15.69	16.16	3.93	0.20	22.88	15.98
56.2	124.53	0.00	8.05	0.00	34.33	36.75	14.72	14.48	0.00	0.00	0.00	0.00
56.3	105.65	15.04	9.62	6.95	34.86	34.35	10.84	10.70	0.00	0.00	0.00	0.00
56.4	42.04	39.94	8.39	5.21	31.20	23.81	10.18	10.42	0.00	0.00	0.00	0.00
56.5	93.60	0.58	7.63	8.92	37.43	27.47	14.44	13.49	0.00	0.25	0.00	10.12
56.6	158.72	0.39	6.46	5.22	37.92	40.32	12.30	11.93	0.00	0.00	0.00	0.00
56.7	70.88	0.36	8.74	13.77	23.29	25.52	13.46	13.59	1.58	0.26	20.71	29.68
56.8	272.49	2.56	9.43	8.94	61.84	50.20	10.53	10.40	0.00	0.00	0.00	0.00
56.9	278.00	0.00	16.73	0.00	76.78	54.74	9.97	9.89	0.00	0.00	0.00	0.00
57	239.15	6.06	14.96	10.26	88.69	68.19	13.63	13.39	1.54	0.69	12.63	15.19
57.1	167.58	19.52	9.58	9.91	90.09	67.12	13.90	13.10	0.00	0.00	0.00	0.00
57.2	228.62	7.81	9.20	10.43	71.61	55.92	11.33	11.13	0.51	0.00	4.83	0.00
57.3	275.97	0.00	14.20	0.00	84.34	72.37	13.84	13.29	0.00	0.00	0.00	0.00
57.4	114.19	0.42	14.70	7.87	21.20	17.30	13.53	13.49	8.34	5.26	19.54	19.78
57.5	256.12	2.04	9.62	14.26	88.94	67.04	12.16	12.33	4.11	1.27	19.52	12.72
57.6	278.43	0.31	10.89	9.18	107.53	90.12	11.78	11.70	0.40	0.00	16.19	24.29
57.7	262.08	0.53	18.86	12.20	118.30	95.78	12.37	12.56	1.73	0.00	10.27	0.00
57.8	282.70	0.00	14.63	0.00	93.19	72.02	11.05	10.84	0.15	0.79	2.28	9.45
57.9	192.48	0.78	9.20	7.51	98.37	82.76	10.76	11.27	0.42	0.00	11.29	0.00
58	264.27	0.00	15.96	0.00	83.98	66.22	9.97	9.91	0.00	0.00	0.00	0.00
58.1	256.22	0.00	15.66	0.00	106.65	90.08	12.31	11.95	1.09	0.00	7.45	0.00
58.2	277.33	0.40	16.49	4.52	79.28	55.63	11.41	11.43	0.00	0.00	0.00	0.00
58.3	249.88	0.97	10.62	9.81	86.93	63.56	12.28	11.86	1.49	1.29	10.16	19.49
58.4	229.76	0.00	16.83	0.00	93.93	74.86	11.82	11.55	1.89	0.00	3.60	0.00
58.5	274.67	0.00	17.59	0.00	97.49	76.77	11.86	11.80	0.00	0.00	0.00	0.00
58.6	269.03	0.00	23.18	0.00	90.26	77.16	12.15	12.13	1.13	0.46	3.65	2.28
58.7	275.38	0.00	19.62	0.00	97.66	79.01	11.11	10.76	1.67	0.00	11.49	0.00
58.8	243.50	0.00	13.44	0.00	74.16	56.36	10.70	10.72	1.48	0.00	4.14	0.00
58.9	273.94	0.42	15.13	10.99	96.94	80.99	13.15	12.75	2.70	0.26	24.07	5.68
59	286.77	0.50	15.08	3.05	92.81	72.95	10.47	10.41	0.00	0.00	0.00	0.00
59.1	284.02	1.23	9.23	12.52	99.00	78.02	11.47	11.24	0.44	0.25	4.78	7.17
59.2	286.21	0.00	8.60	0.00	71.51	54.85	11.25	11.87	0.00	0.00	0.00	0.00
59.3	275.66	0.55	8.23	9.05	68.11	54.04	9.48	9.29	0.80	0.00	4.52	0.00
59.4	277.25	2.28	12.10	5.12	70.65	60.14	11.57	11.49	0.00	0.00	0.00	0.00
59.5	245.59	0.00	14.86	0.00	85.60	70.73	11.12	10.96	0.00	0.00	0.00	0.00
59.6	283.92	0.63	13.74	18.32	89.03	66.76	13.13	12.50	0.77	0.00	3.31	0.00
59.7	268.54	0.00	15.98	0.00	89.99	69.69	12.38	12.20	0.83	0.00	18.16	0.00
59.8	279.89	0.94	14.30	8.01	84.90	64.57	10.49	10.42	0.00	0.00	0.00	0.00

59.9	275.68	1.48	15.22	11.03	93.68	77.10	11.81	11.59	0.00	0.00	0.00	0.00
60	177.24	7.06	15.67	10.15	91.37	73.75	12.50	13.31	3.04	0.00	8.27	0.00
60.1	223.12	0.20	14.70	9.16	77.94	63.25	12.61	12.81	3.91	1.18	6.79	10.93
60.2	264.30	2.04	17.00	13.18	75.88	58.69	11.02	10.69	0.88	0.00	4.31	0.00
60.3	269.58	0.00	12.07	0.00	73.94	59.44	11.78	11.73	0.00	0.29	0.00	6.51
60.4	245.57	1.34	14.43	6.76	77.58	56.77	12.47	12.27	0.53	0.28	12.30	4.61
60.5	285.49	0.00	9.10	0.00	98.83	82.41	11.68	11.65	0.00	0.00	0.00	0.00
60.6	263.70	0.00	13.73	0.00	93.37	77.55	12.27	12.09	1.51	0.00	9.91	0.00
60.7	247.49	0.23	12.75	7.27	95.38	78.87	12.73	12.59	5.19	0.51	14.14	23.71
60.8	261.19	0.00	11.58	0.00	89.17	73.08	11.71	11.61	0.32	0.00	4.48	0.00
60.9	259.87	0.15	8.71	11.71	83.70	66.46	12.04	12.05	0.43	0.29	5.73	3.98
61	280.95	1.10	8.69	10.80	90.25	74.87	11.70	11.52	0.00	0.00	0.00	0.00
61.1	201.15	7.42	19.52	9.46	65.80	53.38	11.60	11.37	0.43	0.00	5.82	0.00
61.2	225.19	6.04	17.19	8.61	78.98	65.89	12.56	12.49	1.43	0.30	5.45	8.17
61.3	257.11	0.32	15.12	13.15	85.60	74.09	12.56	12.46	1.39	0.10	14.14	7.64
61.4	261.43	0.83	15.41	13.71	94.58	76.78	11.72	11.51	0.92	0.00	5.34	0.00
61.5	274.64	0.00	14.86	0.00	77.69	53.53	11.26	10.99	0.00	0.18	0.00	26.21
61.6	272.10	0.42	13.95	4.74	102.55	77.50	12.52	11.96	0.54	0.00	4.42	0.00
61.7	264.81	0.50	14.15	11.36	98.98	75.14	12.19	11.84	0.00	0.00	0.00	0.00
61.8	273.35	0.00	12.90	0.00	99.38	76.81	10.84	10.76	0.00	0.00	0.00	0.00
61.9	234.03	0.00	17.43	0.00	81.08	56.61	12.01	12.10	0.00	0.00	0.00	0.00
62	255.45	0.00	8.07	0.00	92.86	70.90	11.05	11.08	0.00	0.00	0.00	0.00
62.1	267.27	0.00	9.02	0.00	101.40	78.33	12.63	12.10	0.00	0.35	0.00	6.90
62.2	270.43	0.00	12.17	0.00	94.28	75.12	11.93	11.56	0.00	0.00	0.00	0.00
62.3	255.67	0.00	8.76	0.00	90.15	73.47	11.31	11.23	0.42	0.00	20.14	0.00
62.4	246.15	0.00	8.67	0.00	80.92	60.90	12.11	12.09	0.56	0.00	9.52	0.00
62.5	266.08	0.00	8.80	0.00	97.36	82.04	11.53	11.40	0.00	0.00	0.00	0.00
62.6	239.82	0.00	9.29	0.00	86.85	67.41	11.97	11.93	0.92	0.42	13.73	10.30
62.7	231.17	1.37	13.61	12.29	74.10	60.13	11.72	11.78	3.95	0.00	12.82	0.00
62.8	246.27	0.03	8.35	9.55	87.77	73.47	12.04	11.96	0.00	0.00	0.00	0.00
62.9	247.38	0.00	7.49	0.00	90.84	70.11	11.43	11.47	0.00	0.00	0.00	0.00
63	270.44	0.95	11.63	6.24	103.31	84.31	11.11	11.11	0.00	0.00	0.00	0.00
63.1	288.29	8.88	12.56	13.53	75.80	54.55	12.47	12.47	1.02	0.03	3.42	5.13
63.2	260.96	0.00	8.32	0.00	73.84	53.35	11.71	11.51	0.56	0.00	11.25	0.00
63.3	96.59	8.77	13.91	12.58	34.56	27.99	15.30	14.41	5.64	0.00	14.36	0.00
63.4	250.43	6.91	21.56	20.94	92.69	73.96	13.69	13.68	0.00	0.00	0.00	0.00
63.5	266.87	0.00	9.82	0.00	92.65	75.31	12.74	12.71	0.98	0.00	5.82	0.00
63.6	253.38	1.26	9.28	18.43	66.69	52.95	11.89	11.88	0.61	0.00	3.55	0.00
63.7	214.93	0.18	9.22	14.92	85.74	72.39	11.70	11.65	1.04	0.00	18.09	0.00
63.8	269.60	0.71	8.19	6.47	92.79	73.48	12.03	11.97	0.00	0.00	0.00	0.00
63.9	241.38	0.00	9.63	0.00	98.01	82.26	11.55	11.43	0.41	0.00	5.17	0.00
64	265.85	0.00	8.11	0.00	84.07	65.71	11.65	11.69	0.00	0.00	0.00	0.00
64.1	251.75	0.00	7.79	0.00	71.89	50.21	11.42	11.45	0.55	0.00	4.17	0.00

64.2	263.67	0.00	7.85	0.00	87.86	71.69	12.29	12.38	0.00	0.00	0.00	0.00
64.3	258.21	0.18	9.65	2.08	94.06	77.54	11.50	11.34	0.00	0.00	0.00	0.00
64.4	273.04	0.00	8.10	0.00	104.38	90.35	11.84	11.84	0.00	0.00	0.00	0.00
64.5	254.25	0.00	8.21	0.00	73.04	52.55	11.95	11.95	0.75	0.00	4.56	0.00
64.6	252.46	0.00	8.66	0.00	100.09	79.34	11.81	11.81	0.00	0.00	0.00	0.00
64.7	260.82	0.00	8.45	0.00	97.19	81.37	11.07	10.97	0.00	0.00	0.00	0.00
64.8	240.36	0.00	9.13	0.00	76.26	57.43	11.71	11.70	1.04	0.21	7.50	5.70
64.9	170.75	6.42	12.75	7.52	79.57	63.11	12.63	12.64	2.23	0.82	9.55	9.72
65	246.77	0.00	8.12	0.00	72.51	53.68	11.21	11.26	0.47	0.00	6.07	0.00
65.1	253.37	0.00	6.92	0.00	101.27	82.92	11.32	11.29	1.31	0.00	3.88	0.00
65.2	229.62	0.00	6.58	0.00	90.32	75.60	11.58	11.56	0.00	0.00	0.00	0.00
65.3	233.66	0.00	7.17	0.00	92.25	73.51	11.55	11.56	0.41	0.00	5.61	0.00
65.4	231.08	0.00	7.52	0.00	84.34	62.55	11.62	11.62	0.00	0.00	0.00	0.00
65.5	256.79	1.43	8.08	10.01	86.42	68.02	12.48	12.46	0.00	0.00	0.00	0.00
65.6	214.23	0.00	7.50	0.00	96.66	75.18	11.73	11.69	0.00	0.00	0.00	0.00
65.7	227.63	0.00	11.59	0.00	98.85	81.84	12.09	12.10	2.45	0.00	6.00	0.00
65.8	237.84	0.00	8.99	0.00	84.05	64.87	11.71	11.77	4.29	0.00	5.94	0.00
65.9	244.21	0.00	8.09	0.00	89.86	74.64	11.31	11.48	1.34	0.00	5.89	0.00
66	239.23	0.96	6.50	7.66	92.51	73.24	11.32	11.34	0.00	0.00	0.00	0.00
66.1	215.38	0.00	6.71	0.00	89.13	70.59	11.59	11.56	0.00	0.00	0.00	0.00
66.2	212.21	0.00	6.81	0.00	97.12	77.14	11.12	11.07	0.00	0.00	0.00	0.00
66.3	152.45	0.35	10.25	7.28	64.61	53.30	11.29	11.42	2.77	0.00	7.19	0.00
66.4	196.99	0.00	10.06	0.00	97.82	82.41	11.95	11.96	8.94	0.00	5.88	0.00
66.5	242.71	0.00	9.02	0.00	79.07	66.52	12.29	12.45	2.75	0.54	16.06	11.20
66.6	232.42	0.38	8.09	6.20	97.80	77.84	12.21	12.19	1.36	0.00	6.08	0.00
66.7	219.60	0.00	7.02	0.00	110.05	89.29	11.77	11.79	0.00	0.00	0.00	0.00
66.8	197.82	3.60	13.50	11.90	75.24	55.69	11.70	11.71	0.00	0.00	0.00	0.00
66.9	221.97	0.00	8.46	0.00	72.72	53.14	11.61	11.36	3.25	0.00	6.42	0.00
67	166.67	1.00	14.36	17.92	58.61	50.21	13.69	13.15	0.42	0.00	9.68	0.00
67.1	225.31	0.00	15.19	0.00	83.33	71.14	13.07	13.01	5.76	0.32	14.71	9.57
67.2	153.65	2.85	8.30	9.04	77.41	66.09	12.61	12.50	0.43	0.00	1.33	0.00
67.3	178.26	0.00	13.09	0.00	92.62	78.63	12.46	12.23	0.99	0.00	3.25	0.00
67.4	200.55	0.00	9.76	0.00	77.14	64.59	12.46	12.50	0.48	0.00	12.72	0.00
67.5	241.60	0.00	7.39	0.00	88.17	73.04	11.76	11.92	6.93	0.22	7.79	7.76
67.6	91.93	61.43	8.83	9.28	75.86	65.92	13.06	13.03	0.59	0.00	10.50	0.00
67.7	210.73	0.00	7.91	0.00	94.12	82.90	11.72	11.62	1.57	0.00	6.17	0.00
67.8	233.80	0.12	9.48	4.59	81.59	63.22	12.25	12.56	2.66	0.00	6.97	0.00
67.9	241.56	0.73	10.20	14.41	76.03	63.45	11.86	11.93	0.00	0.00	0.00	0.00
68	245.66	0.41	8.56	7.40	80.31	70.80	12.87	12.86	2.17	0.00	5.23	0.00
68.1	234.82	9.13	8.01	9.86	98.87	81.55	12.35	12.21	0.00	0.00	0.00	0.00
68.2	289.01	0.00	8.03	0.00	69.58	53.71	11.92	11.90	0.00	0.00	0.00	0.00
68.3	242.08	0.00	9.46	0.00	86.51	73.27	12.18	12.06	0.00	0.00	0.00	0.00
68.4	232.75	0.00	17.49	0.00	81.10	69.50	11.40	11.44	0.00	0.00	0.00	0.00

68.5	258.75	0.00	6.80	0.00	105.36	85.13	11.77	11.56	0.00	0.00	0.00	0.00
68.6	193.72	0.18	8.92	6.66	66.21	57.82	10.59	10.55	0.42	0.00	10.04	0.00
68.7	241.10	0.00	7.29	0.00	86.42	70.74	11.16	11.09	0.00	0.00	0.00	0.00
68.8	239.52	0.00	11.16	0.00	101.13	83.54	11.83	11.80	2.17	0.00	5.27	0.00
68.9	237.54	0.00	6.41	0.00	73.50	57.93	10.86	10.96	0.80	0.00	6.39	0.00
69	248.16	0.00	6.36	0.00	73.45	53.28	10.53	10.63	0.00	0.00	0.00	0.00
69.1	242.68	0.00	13.44	0.00	71.24	55.58	11.01	10.99	1.41	0.74	8.64	30.51
69.2	253.17	0.03	8.99	13.32	68.18	57.18	12.00	12.09	0.49	1.28	22.98	16.27
69.3	223.24	0.29	6.99	6.71	107.04	88.00	12.67	12.67	0.00	0.00	0.00	0.00
69.4	238.74	0.00	6.59	0.00	71.98	59.19	12.74	12.69	0.56	0.00	9.13	0.00
69.5	242.15	0.00	6.84	0.00	88.85	78.82	12.62	12.35	0.00	0.00	0.00	0.00
69.6	195.85	0.00	9.31	0.00	103.07	84.15	12.17	12.27	1.01	0.00	3.14	0.00
69.7	227.97	0.00	7.49	0.00	88.94	72.01	11.71	11.70	0.41	0.00	2.84	0.00
69.8	258.53	0.17	8.06	4.69	87.06	66.77	11.88	11.89	0.00	0.00	0.00	0.00
69.9	236.08	0.00	8.17	0.00	70.87	52.61	11.28	11.33	0.63	0.00	2.80	0.00
70	277.46	0.00	7.59	0.00	98.47	79.77	11.45	11.39	0.00	0.00	0.00	0.00
70.1	253.66	0.00	8.65	0.00	92.76	76.20	12.06	11.99	0.88	0.00	12.24	0.00
70.2	213.43	0.00	7.74	0.00	87.22	73.94	12.22	12.09	0.82	0.00	5.84	0.00
70.3	222.51	0.00	7.51	0.00	83.10	62.83	11.28	11.22	0.35	0.00	4.25	0.00
70.4	222.81	0.08	7.31	8.44	80.52	56.06	10.33	10.30	0.00	0.00	0.00	0.00
70.5	225.82	0.41	8.16	15.26	74.84	53.60	10.59	10.55	0.43	0.00	5.27	0.00
70.6	217.42	0.00	8.07	0.00	77.40	55.33	11.65	10.76	0.00	0.00	0.00	0.00
70.7	235.72	0.00	6.83	0.00	77.47	57.85	11.20	11.02	0.42	0.00	10.86	0.00
70.8	177.14	1.50	10.59	8.00	49.68	40.57	13.30	12.34	0.51	0.00	10.14	0.00
70.9	223.11	0.46	10.12	11.03	94.00	82.22	12.04	12.14	0.00	0.00	0.00	0.00
71	247.59	0.00	10.04	0.00	90.29	79.17	12.82	12.72	0.00	0.00	0.00	0.00
71.1	259.71	0.00	8.45	0.00	77.71	63.90	12.36	12.33	0.54	0.00	3.66	0.00
71.2	282.04	0.00	8.26	0.00	82.98	66.65	12.47	12.56	0.00	0.00	0.00	0.00
71.3	225.08	14.34	10.27	11.77	85.94	68.91	12.10	11.99	0.00	0.00	0.00	0.00
71.4	278.09	0.00	7.90	0.00	92.04	76.20	13.20	13.10	0.00	0.00	0.00	0.00
71.5	273.26	0.63	11.39	5.14	114.22	95.90	12.32	12.32	0.33	0.00	5.54	0.00
71.6	195.27	5.85	8.58	7.43	92.12	78.61	13.11	12.94	0.00	0.00	0.00	0.00
71.7	263.42	0.00	12.19	0.00	70.21	53.37	12.48	12.39	0.50	0.00	2.11	0.00
71.8	87.56	1.11	14.88	9.30	10.50	7.67	14.32	13.48	18.04	9.08	19.42	18.41
71.9	172.15	22.57	9.05	11.85	99.02	79.37	12.19	12.20	0.00	0.00	0.00	0.00
72	290.94	0.00	13.85	0.00	83.21	64.80	11.52	11.46	0.00	0.00	0.00	0.00
72.1	273.18	0.24	13.95	6.97	94.05	75.51	10.29	10.45	0.00	0.00	0.00	0.00
72.2	153.52	5.70	9.29	7.41	75.12	66.96	12.49	12.47	0.00	0.00	0.00	0.00
72.3	116.11	0.15	10.79	5.21	83.71	71.77	12.55	12.47	0.00	0.00	0.00	0.00
72.4	271.75	1.64	13.89	7.80	72.88	59.33	12.75	12.67	0.00	0.00	0.00	0.00
72.5	235.06	0.00	11.20	0.00	71.51	60.92	12.32	12.25	0.00	0.00	0.00	0.00
72.6	268.89	0.00	12.97	0.00	89.80	76.15	12.05	12.44	0.00	0.00	0.00	0.00
72.7	272.19	0.00	8.15	0.00	97.40	83.10	11.55	11.80	0.00	0.00	0.00	0.00

72.8	264.84	0.00	7.79	0.00	73.97	60.12	11.74	11.36	0.00	0.00	0.00	0.00
72.9	280.95	0.00	7.75	0.00	70.20	53.72	12.70	12.70	0.00	0.00	0.00	0.00
73	229.02	0.00	7.88	0.00	73.21	61.27	13.41	13.39	0.00	0.00	0.00	0.00
73.1	218.23	0.26	9.17	5.42	109.55	93.74	13.02	13.00	0.55	0.00	3.63	0.00
73.2	232.58	0.00	9.17	0.00	79.00	62.17	12.67	12.59	0.00	0.00	0.00	0.00
73.3	276.27	0.00	15.26	0.00	102.47	86.19	12.59	12.55	0.00	0.00	0.00	0.00
73.4	288.58	0.34	13.43	7.79	91.88	77.29	12.14	12.17	0.00	0.00	0.00	0.00
73.5	238.74	0.51	8.96	3.56	87.00	74.09	12.86	12.89	0.00	0.00	0.00	0.00
73.6	265.75	0.51	11.90	3.14	86.27	69.87	12.50	12.46	0.00	0.00	0.00	0.00
73.7	218.65	1.00	10.24	7.81	64.30	52.67	11.83	11.74	0.00	0.00	0.00	0.00
73.8	183.53	0.00	6.53	0.00	66.60	53.38	11.71	11.77	0.00	0.00	0.00	0.00
73.9	210.01	0.00	7.55	0.00	87.20	75.04	11.60	11.56	0.00	0.00	0.00	0.00
74	289.54	0.79	11.91	5.64	68.23	53.54	10.33	10.47	0.00	0.00	0.00	0.00
74.1	275.28	22.24	12.02	10.03	61.84	53.37	12.81	12.65	0.00	0.00	0.00	0.00
74.2	285.31	4.00	11.65	4.06	98.78	80.62	12.92	12.86	0.85	0.00	2.84	0.00
74.3	287.61	0.17	11.52	6.44	83.99	61.75	11.85	11.82	0.00	0.00	0.00	0.00
74.4	242.18	1.67	11.55	13.44	74.79	60.96	12.83	12.75	0.00	0.00	0.00	0.00
74.5	256.50	0.00	10.93	0.00	76.75	56.38	12.24	12.25	0.00	0.00	0.00	0.00
74.6	274.31	1.48	12.88	5.85	74.50	56.75	12.81	12.89	0.78	0.00	7.13	0.00
74.7	279.06	0.94	11.73	4.29	86.99	71.97	12.80	12.74	0.00	0.25	0.00	9.29
74.8	255.62	0.23	12.17	6.70	76.80	67.95	13.78	13.55	0.00	0.00	0.00	0.00
74.9	236.17	2.81	14.03	9.65	88.44	68.74	13.13	12.96	0.00	0.00	0.00	0.00
75	185.07	0.69	13.91	7.26	81.94	68.44	12.04	11.99	0.00	0.00	0.00	0.00
75.1	157.44	4.26	10.09	5.30	64.28	57.11	12.95	12.85	0.00	0.00	0.00	0.00
75.2	281.87	3.52	14.59	7.04	107.58	86.61	12.92	12.67	0.00	0.00	0.00	0.00
75.3	286.85	0.33	18.50	10.96	107.82	84.97	12.73	12.17	0.00	0.00	0.00	0.00
75.4	288.97	5.98	13.56	7.03	97.97	80.94	11.64	11.27	0.00	0.00	0.00	0.00
75.5	282.04	2.46	7.58	4.51	81.44	60.96	9.37	8.94	0.39	0.00	3.51	0.00
75.6	256.25	2.59	11.67	15.66	79.68	53.91	10.97	10.30	0.00	0.00	0.00	0.00
75.7	250.03	0.38	10.77	10.28	112.25	88.02	11.98	11.91	0.00	0.00	0.00	0.00
75.8	286.36	6.34	11.64	5.80	96.65	80.59	12.35	12.24	0.00	0.00	0.00	0.00
75.9	281.03	10.27	11.83	6.60	94.63	77.04	11.02	10.71	0.00	0.00	0.00	0.00
76	261.57	0.45	11.11	6.06	68.93	55.51	11.07	10.73	0.00	0.00	0.00	0.00
76.1	213.38	0.00	11.96	0.00	94.13	82.56	11.49	11.55	0.38	0.00	7.58	0.00
76.2	250.58	10.01	12.45	11.77	81.54	65.72	13.55	13.37	1.09	0.00	2.84	0.00
76.3	207.21	0.51	9.62	6.59	86.27	72.30	11.58	11.89	0.00	0.00	0.00	0.00
76.4	224.00	2.89	10.29	5.47	64.85	53.66	12.11	12.22	0.77	0.00	14.90	0.00
76.5	280.99	4.03	11.40	6.75	74.89	66.97	12.79	12.62	0.00	0.00	0.00	0.00
76.6	239.91	0.45	11.19	7.01	81.99	66.22	12.55	12.34	0.56	0.00	1.74	0.00
76.7	229.32	0.99	12.15	8.05	73.46	66.55	13.27	12.77	0.00	0.00	0.00	0.00
76.8	276.06	0.31	11.30	5.53	83.11	71.91	11.93	11.92	0.00	0.00	0.00	0.00
76.9	264.62	0.37	12.20	7.27	97.89	86.01	13.26	12.92	0.00	0.20	0.00	12.79
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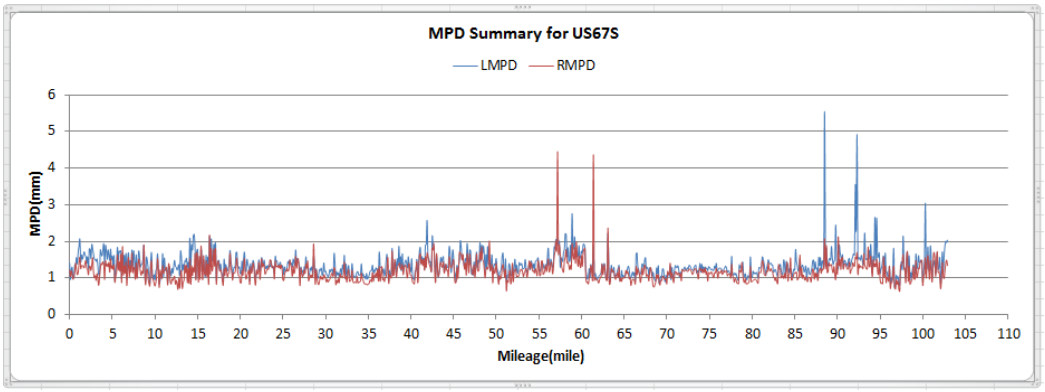
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77.3	269.53	6.93	11.86	9.45	87.48	76.59	12.75	12.30	0.00	0.00	0.00	0.00
77.4	168.93	1.92	7.66	7.19	63.25	54.32	12.53	12.26	7.75	4.79	20.80	22.07
77.5	202.73	11.81	15.61	13.43	53.08	44.53	10.96	11.20	7.69	3.97	19.80	19.25
77.6	231.74	9.01	19.42	18.16	86.64	69.58	12.09	11.97	0.00	0.00	0.00	0.00
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77.8	217.95	0.00	7.47	0.00	73.36	55.04	11.31	11.30	0.49	0.28	5.52	5.84
77.9	225.98	1.46	7.70	6.00	94.28	81.12	10.97	10.98	1.49	1.07	7.23	12.31
78	243.48	0.00	20.02	0.00	79.29	67.05	12.09	12.23	1.39	0.00	5.40	0.00
78.1	223.71	0.00	8.87	0.00	78.19	59.40	12.08	12.15	1.37	0.00	8.24	0.00
78.2	227.84	0.00	6.60	0.00	77.72	56.80	10.96	10.97	0.00	0.00	0.00	0.00
78.3	217.81	0.00	11.56	0.00	96.13	76.18	11.01	11.00	0.00	0.00	0.00	0.00
78.4	201.84	1.53	7.87	7.66	77.84	69.17	12.24	12.08	1.23	0.15	10.99	7.05
78.5	226.55	0.00	7.13	0.00	103.98	85.27	11.80	11.74	0.40	0.00	5.59	0.00
78.6	269.73	0.00	9.69	0.00	79.97	55.88	12.09	12.12	1.80	0.09	0.41	0.61
78.7	259.50	0.06	8.98	11.20	95.21	71.02	11.25	11.44	4.87	0.00	6.64	0.00
78.8	200.29	0.00	7.06	0.00	90.17	68.72	11.23	11.40	0.96	0.22	7.53	9.25
78.9	224.92	0.54	6.37	4.73	83.01	66.30	11.84	11.76	0.00	0.00	0.00	0.00
79	189.70	0.00	6.60	0.00	69.38	53.00	11.44	11.45	0.90	0.00	4.16	0.00
79.1	206.32	0.00	7.75	0.00	91.30	76.35	12.49	12.25	0.44	0.00	2.94	0.00
79.2	234.85	0.00	6.78	0.00	107.42	90.19	11.37	11.36	0.00	0.00	0.00	0.00
79.3	213.19	0.00	5.92	0.00	92.12	75.04	11.38	11.43	0.00	0.00	0.00	0.00
79.4	187.40	0.00	7.11	0.00	83.69	59.87	10.85	10.81	0.00	0.00	0.00	0.00
79.5	200.11	0.00	6.92	0.00	80.46	54.12	11.29	11.26	0.00	0.00	0.00	0.00
79.6	196.01	0.00	6.36	0.00	95.75	78.91	11.16	11.11	0.00	0.00	0.00	0.00
79.7	183.81	0.00	10.85	0.00	101.47	84.07	11.71	11.70	1.01	0.00	2.33	0.00
79.8	174.18	3.11	16.58	9.99	69.31	55.30	12.74	12.78	2.24	3.00	13.82	22.73
79.9	189.89	0.68	11.96	9.51	66.99	57.14	11.55	11.38	2.79	0.32	30.89	21.61
80	225.86	0.00	8.31	0.00	95.82	79.64	10.48	10.25	0.00	0.00	0.00	0.00
80.1	209.28	0.16	9.47	12.39	80.02	67.45	12.44	12.32	1.33	0.00	9.92	0.00
80.2	204.68	5.19	8.07	9.13	88.48	73.30	10.63	10.60	0.96	0.09	4.92	6.64
80.3	241.45	1.85	9.91	8.99	87.34	67.88	11.48	11.54	3.84	1.73	25.37	26.70
80.4	217.44	0.00	6.62	0.00	89.13	68.54	10.54	10.58	0.00	0.00	0.00	0.00
80.5	197.24	0.00	6.57	0.00	83.94	66.29	11.19	11.13	0.00	0.00	0.00	0.00
80.6	275.69	0.00	9.41	0.00	93.85	76.99	11.60	11.44	0.38	0.00	7.61	0.00
80.7	235.54	0.00	9.37	0.00	87.29	73.88	11.39	11.40	0.00	0.00	0.00	0.00
80.8	240.74	0.00	7.13	0.00	83.97	61.29	10.86	10.76	0.00	0.00	0.00	0.00
80.9	190.79	0.00	11.59	0.00	93.75	78.17	11.71	11.59	0.00	0.00	0.00	0.00
81	182.08	0.00	6.50	0.00	110.00	95.83	11.69	11.54	0.00	0.00	0.00	0.00
81.1	184.08	0.00	7.10	0.00	79.76	57.88	11.33	11.30	0.00	0.00	0.00	0.00
81.2	288.74	0.00	8.83	0.00	90.13	71.57	12.19	12.17	0.00	0.00	0.00	0.00
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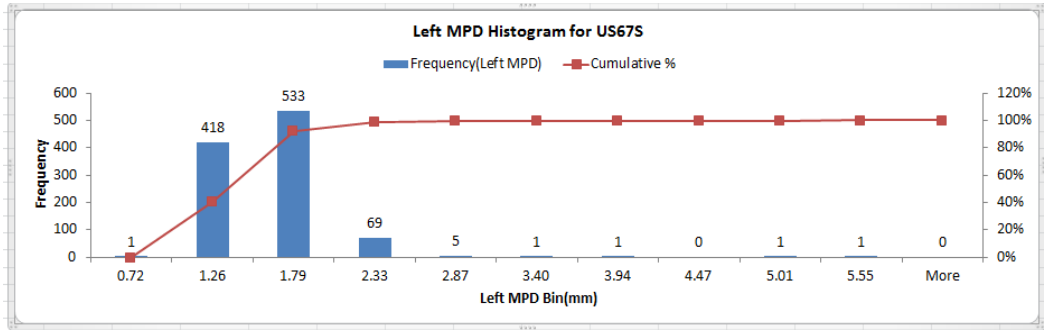
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81.6	173.33	0.00	8.72	0.00	81.17	68.38	12.36	12.21	0.52	0.00	1.82	0.00
81.7	153.49	0.00	9.36	0.00	83.51	72.23	12.50	12.24	1.51	0.00	3.90	0.00
81.8	162.47	0.00	8.13	0.00	100.39	82.43	12.07	12.02	1.32	0.00	4.14	0.00
81.9	173.57	0.00	10.90	0.00	63.02	53.75	11.26	11.20	1.45	0.00	2.54	0.00
82	203.16	0.77	10.57	8.94	43.21	36.78	13.07	12.52	5.17	3.12	23.11	21.60
82.1	90.59	46.38	7.16	6.78	69.05	60.30	12.00	11.83	0.00	0.00	0.00	0.00
82.2	196.38	0.00	6.21	0.00	91.61	72.69	12.07	11.99	1.50	0.00	3.86	0.00
82.3	207.97	0.00	8.09	0.00	92.55	78.99	12.21	12.03	0.00	0.00	0.00	0.00
82.4	214.04	0.00	8.19	0.00	90.33	72.27	11.95	11.93	0.79	0.00	5.22	0.00
82.5	162.60	7.25	7.12	5.86	74.55	61.55	11.02	10.84	0.51	0.00	1.71	0.00
82.6	213.26	0.47	6.76	6.59	69.33	54.49	10.86	10.94	0.60	0.00	3.93	0.00
82.7	193.64	0.00	6.29	0.00	87.85	75.72	12.10	11.94	0.55	0.00	4.38	0.00
82.8	185.66	0.00	6.58	0.00	92.13	76.16	12.09	11.99	0.44	0.00	4.02	0.00
82.9	180.77	0.00	7.44	0.00	90.90	70.22	11.37	11.52	1.66	0.00	5.53	0.00
83	264.78	0.51	8.95	11.40	114.44	93.65	10.87	10.79	0.00	0.00	0.00	0.00
83.1	227.05	0.00	7.23	0.00	94.47	69.71	11.64	11.85	2.81	0.00	4.06	0.00
83.2	221.42	2.40	9.31	10.88	90.78	67.73	11.36	11.45	0.00	0.00	0.00	0.00
83.3	191.10	0.00	7.12	0.00	87.87	66.81	12.13	12.11	1.28	0.00	3.09	0.00
83.4	172.02	0.00	6.57	0.00	100.55	79.19	11.81	11.78	0.00	0.00	0.00	0.00
83.5	196.01	0.00	6.31	0.00	79.17	54.48	11.34	11.39	0.00	0.00	0.00	0.00
83.6	197.15	0.00	6.45	0.00	72.14	52.44	11.04	11.08	0.54	0.00	4.91	0.00
83.7	148.94	0.00	5.88	0.00	91.92	76.75	12.54	12.39	0.38	0.00	2.66	0.00
83.8	169.32	9.70	7.65	14.79	94.32	79.05	12.55	12.45	0.00	0.00	0.00	0.00
83.9	105.08	71.18	8.29	9.25	89.16	66.33	13.04	13.09	1.09	0.23	18.76	14.04
84	192.44	2.51	7.67	10.36	87.79	65.44	13.68	13.71	0.00	0.00	0.00	0.00
84.1	213.06	0.08	13.96	11.72	95.31	79.37	13.85	13.52	0.37	0.00	5.11	0.00
84.2	265.38	0.00	7.62	0.00	110.44	91.50	12.82	12.68	0.35	0.00	7.22	0.00
84.3	188.44	0.00	9.34	0.00	82.48	64.29	13.32	13.44	1.40	0.00	4.54	0.00
84.4	269.20	0.92	17.02	12.73	92.31	76.00	13.57	13.49	0.00	0.00	0.00	0.00
84.5	187.39	40.00	14.68	8.54	93.90	78.01	13.41	13.59	0.35	0.00	5.88	0.00
84.6	230.48	0.36	8.64	7.94	86.82	65.52	14.00	13.41	0.57	0.00	1.37	0.00
84.7	178.70	3.42	7.36	9.21	84.73	61.33	13.55	13.20	0.00	0.00	0.00	0.00
84.8	220.25	0.51	6.79	10.84	95.60	79.67	13.35	13.04	0.86	0.00	9.59	0.00
84.9	214.85	9.11	6.78	16.25	101.39	82.47	13.82	13.34	0.12	0.36	7.36	10.67
85	57.87	106.07	9.19	6.71	107.56	84.34	11.42	11.28	0.41	0.00	7.34	0.00
85.1	259.08	0.68	7.81	5.83	81.17	56.37	15.01	14.84	0.57	0.00	12.71	0.00
85.2	198.66	0.00	7.28	0.00	91.83	78.93	12.31	12.24	0.00	0.00	0.00	0.00
85.3	217.70	0.00	10.37	0.00	98.83	79.07	12.78	12.97	1.62	0.00	11.94	0.00
85.4	220.99	11.55	12.05	12.38	95.68	78.39	14.02	13.98	0.00	0.21	0.00	23.93
85.5	191.73	0.00	6.60	0.00	75.89	58.76	14.57	14.44	1.67	0.23	21.31	13.93
85.6	212.59	0.00	6.61	0.00	84.32	65.88	15.03	15.05	1.71	0.00	12.24	0.00

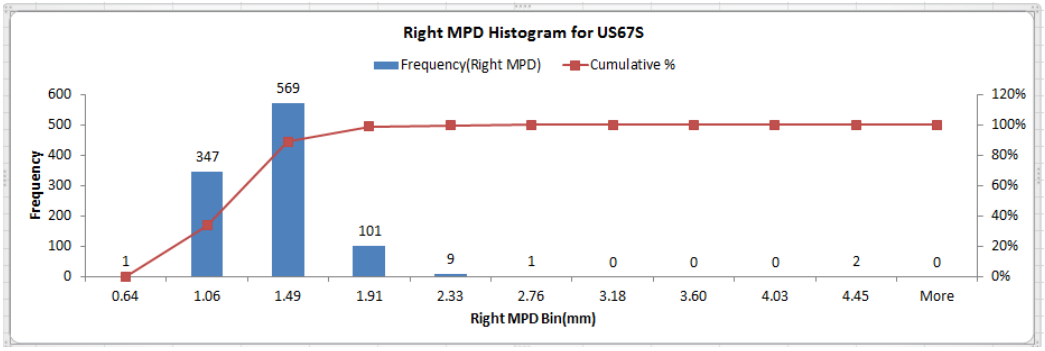
85.7	233.26	0.53	12.29	3.76	117.50	96.60	12.11	12.04	0.74	0.00	6.97	0.00
85.8	223.26	0.00	6.72	0.00	85.39	68.43	13.80	13.80	0.33	0.55	8.17	6.09
85.9	238.99	0.00	7.10	0.00	83.86	67.88	14.54	14.28	0.15	0.14	10.85	16.27
86	178.55	0.54	6.29	7.23	102.73	84.67	14.42	14.27	0.00	0.00	0.00	0.00
86.1	176.25	0.00	5.51	0.00	76.63	57.87	14.32	14.30	0.00	0.00	0.00	0.00
86.2	125.85	0.00	6.75	0.00	81.70	68.66	13.30	13.39	0.39	0.00	2.77	0.00
86.3	247.37	0.52	6.52	5.60	101.81	82.76	15.06	14.84	0.00	0.00	0.00	0.00
86.4	249.58	0.00	8.13	0.00	89.41	67.04	14.33	13.66	0.00	0.00	0.00	0.00
86.5	216.60	0.60	15.05	17.35	100.58	80.93	13.26	13.21	0.37	0.00	4.50	0.00
86.6	272.82	0.06	7.35	8.56	98.05	78.41	14.54	14.55	0.47	0.00	3.40	0.00
86.7	176.69	0.03	8.38	2.49	76.04	63.17	13.69	13.53	1.86	0.11	5.11	7.00
86.8	211.90	0.00	7.06	0.00	100.90	81.48	12.69	12.35	0.00	0.00	0.00	0.00
86.9	164.79	0.00	6.70	0.00	80.32	72.81	14.92	14.66	0.79	0.00	7.14	0.00
87	140.13	0.00	7.26	0.00	90.60	77.60	13.98	13.79	0.56	0.00	12.69	0.00
87.1	213.31	0.00	8.06	0.00	74.01	55.86	14.64	14.00	0.00	0.00	0.00	0.00
87.2	235.22	0.00	8.00	0.00	101.95	82.66	14.44	13.89	0.00	0.00	0.00	0.00
87.3	206.95	1.55	8.12	12.12	71.82	59.67	14.26	13.93	1.96	0.22	20.05	11.32
87.4	174.57	0.35	13.16	14.03	87.63	71.90	13.15	13.04	0.32	0.00	2.64	0.00
87.5	186.62	0.00	10.82	0.00	88.93	77.01	14.02	14.13	0.91	0.00	9.67	0.00
87.6	177.39	0.00	8.11	0.00	67.27	53.14	14.02	14.09	0.45	0.00	7.68	0.00
87.7	236.93	0.00	9.15	0.00	90.20	72.77	13.18	13.15	0.44	0.00	10.32	0.00
87.8	248.77	0.20	19.04	5.31	92.51	76.88	14.78	14.40	1.53	0.08	10.12	8.95
87.9	259.91	0.00	14.68	0.00	74.93	55.70	14.40	13.79	0.95	0.00	8.84	0.00
88	259.05	1.10	10.37	16.55	92.10	77.55	12.72	12.85	0.41	0.00	3.11	0.00
88.1	233.06	0.24	10.28	4.80	89.07	76.41	11.84	12.61	1.19	0.00	26.27	0.00
88.2	242.56	0.00	9.41	0.00	67.00	58.75	15.24	15.12	0.27	0.66	16.52	24.33
88.3	279.03	0.13	12.50	7.32	75.50	66.85	12.91	12.74	0.55	0.00	9.22	0.00
88.4	272.73	0.00	9.92	0.00	92.23	74.03	10.46	10.79	0.39	0.00	6.56	0.00
88.5	218.86	0.00	10.94	0.00	99.36	84.17	12.69	12.95	4.69	0.00	14.47	0.00
88.6	207.81	0.80	10.47	7.32	71.29	63.47	14.91	14.90	2.38	0.00	11.27	0.00
88.7	219.53	0.33	11.54	9.34	83.02	74.91	14.52	14.41	0.65	0.34	39.32	54.26
88.8	210.08	6.93	17.01	20.18	96.38	80.98	14.76	14.81	1.49	1.18	25.52	18.20
88.9	278.15	1.32	11.68	14.36	82.02	72.01	14.42	14.47	0.41	0.67	9.69	14.15
89	266.64	3.50	10.79	9.76	88.13	76.79	13.09	13.51	1.13	0.00	9.39	0.00
89.1	275.68	10.50	16.05	8.24	88.85	77.58	14.23	14.54	2.13	0.32	12.98	9.73
89.2	287.50	0.56	17.21	23.41	80.09	74.45	14.13	14.05	0.51	0.00	10.48	0.00
89.3	267.22	1.76	19.38	48.13	117.94	106.59	14.34	14.27	1.54	0.45	13.07	27.18
89.4	271.04	0.51	17.31	11.33	110.82	96.05	13.77	13.99	1.72	0.00	9.16	0.00
89.5	265.10	0.00	12.79	0.00	81.60	74.34	12.82	12.90	0.93	0.65	4.14	25.29
89.6	283.44	0.00	16.38	0.00	85.82	75.96	12.98	13.30	0.41	1.31	17.60	25.31
89.7	269.52	0.00	11.81	0.00	88.49	74.83	13.30	13.17	0.91	0.00	7.36	0.00
89.8	262.88	0.54	11.30	7.51	97.08	84.98	13.41	13.65	1.84	0.66	20.24	12.72
89.9	222.72	4.31	10.09	5.89	97.12	81.62	11.71	11.97	0.00	0.00	0.00	0.00

90	167.01	10.27	15.23	13.81	62.75	52.21	11.54	11.74	0.00	0.37	0.00	22.43
90.1	268.53	2.57	12.57	9.12	71.40	60.53	14.60	14.60	0.91	0.28	3.05	3.06
90.2	247.96	0.00	11.68	0.00	63.98	57.37	12.86	12.62	0.00	0.00	0.00	0.00
90.3	231.66	0.00	11.16	0.00	69.43	66.12	16.30	15.84	0.00	0.00	0.00	0.00
90.4	224.32	1.87	10.13	11.80	81.86	71.01	12.20	12.62	0.08	0.46	5.51	8.51
90.5	232.44	6.84	10.32	7.32	84.34	76.65	15.52	15.32	1.31	1.03	5.74	23.25
90.6	210.57	1.41	10.32	6.33	76.92	71.33	12.11	12.12	1.56	0.00	9.45	0.00
90.7	128.49	16.56	8.94	5.83	100.56	89.62	14.98	15.18	0.49	0.00	1.43	0.00
90.8	173.64	12.93	9.43	6.14	69.73	59.38	14.83	14.77	1.88	0.49	13.39	14.74
90.9	115.15	25.76	10.52	8.67	76.15	64.23	14.18	14.28	0.00	0.00	0.00	0.00
91	255.09	0.50	11.29	26.80	67.23	55.68	12.63	12.54	2.62	0.58	13.05	20.34
91.1	219.15	0.02	9.03	7.82	87.93	76.76	13.99	13.65	0.56	0.00	2.22	0.00
91.2	207.98	5.52	9.42	6.88	97.18	83.93	11.63	12.58	0.00	0.00	0.00	0.00
91.3	124.01	31.44	10.34	7.00	86.51	74.88	11.68	12.17	0.65	0.25	7.04	10.56
91.4	148.95	34.44	12.15	10.56	83.35	73.15	12.98	13.51	0.00	0.00	0.00	0.00
91.5	207.20	30.64	10.90	9.23	79.85	68.99	12.66	13.07	0.00	0.00	0.00	0.00
91.6	287.94	0.00	9.86	0.00	81.24	68.82	11.29	11.23	1.44	0.13	7.19	7.54
91.7	253.78	2.00	9.29	11.11	100.53	84.71	11.12	11.10	0.00	0.00	0.00	0.00
91.8	267.69	6.24	17.05	9.94	89.10	80.06	12.96	12.58	1.96	1.13	15.60	19.76
91.9	185.73	1.63	18.21	23.94	59.94	57.10	14.35	14.27	0.00	0.00	0.00	0.00
92	252.35	9.99	15.76	22.19	8.54	12.03	25.67	26.04	2.40	1.70	15.21	37.43
92.1	314.22	14.34	16.20	17.89	9.99	12.68	21.59	21.55	0.86	1.79	14.58	25.32
92.2	284.47	7.75	14.05	17.05	17.22	23.78	20.22	19.32	0.85	0.81	14.75	19.91
92.3	142.84	19.61	14.33	14.76	81.89	68.36	15.23	14.58	2.43	0.69	13.50	22.13
92.4	97.73	64.95	16.55	28.76	74.49	66.03	14.47	14.78	1.53	0.99	4.40	13.54
92.5	209.10	1.39	19.40	11.01	72.89	70.25	15.75	15.53	1.46	0.71	28.32	19.89
92.6	269.60	0.00	6.72	0.00	83.13	59.26	12.69	12.43	0.00	0.00	0.00	0.00
92.7	207.13	3.49	14.79	7.71	98.78	80.72	14.77	14.69	2.28	2.31	15.49	10.53
92.8	101.60	41.23	11.93	9.53	84.67	68.56	14.02	14.42	2.80	0.00	7.12	0.00
92.9	152.07	30.44	12.53	24.20	70.42	58.84	14.27	14.07	6.38	0.26	18.13	24.82
93	246.05	6.10	13.82	12.98	80.04	74.34	17.31	16.76	3.09	1.38	13.38	20.82
93.1	261.19	13.45	18.18	20.79	66.49	54.92	13.14	13.35	0.00	0.21	0.00	17.80
93.2	242.27	0.95	18.61	17.27	68.86	65.19	16.75	16.32	2.67	0.00	10.01	0.00
93.3	179.06	1.75	17.31	8.15	68.27	61.08	17.02	16.90	2.64	0.22	15.06	7.74
93.4	149.09	15.02	9.93	7.80	68.96	62.45	14.60	15.10	0.48	0.00	2.57	0.00
93.5	51.27	120.19	8.05	9.55	73.14	60.42	16.14	16.01	0.62	0.00	6.16	0.00
93.6	165.23	25.18	10.69	13.62	61.54	50.73	13.32	13.27	1.26	0.44	13.84	11.78
93.7	104.86	23.44	13.45	22.29	45.80	35.40	11.39	10.72	6.12	1.58	21.19	19.32

Detailed MPD Data







Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	0 / 0	0 / 1365	1.412	1.22
0.1	70 / 819	71 / 136	0.96	1.036
0.2	140 / 1638	141 / 955	1.238	1.199
0.3	211 / 409	211 / 1774	1.299	1.112
0.4	281 / 1228	282 / 545	1.003	0.968
0.5	351 / 2047	352 / 1364	1.007	1.031
0.6	422 / 818	423 / 135	1.357	1.173
0.7	492 / 1637	493 / 954	1.337	1.411
0.8	563 / 408	563 / 1773	1.563	1.23
0.9	633 / 1227	634 / 544	1.384	1.09
1	703 / 2046	704 / 1363	1.71	1.141
1.1	774 / 817	775 / 134	1.871	1.406
1.2	844 / 1636	845 / 953	2.062	1.573
1.3	915 / 407	915 / 1772	1.447	1.261
1.4	985 / 1226	986 / 543	1.633	1.338
1.5	1055 / 2045	1056 / 1362	1.513	1.337
1.6	1126 / 816	1127 / 133	1.59	1.333
1.7	1196 / 1635	1197 / 952	1.722	1.278
1.8	1267 / 406	1267 / 1771	1.636	1.398
1.9	1337 / 1225	1338 / 542	1.594	1.48
2	1407 / 2044	1408 / 1361	1.405	1.26
2.1	1478 / 815	1479 / 132	1.586	1.231
2.2	1548 / 1634	1549 / 951	1.249	1.089
2.3	1619 / 405	1619 / 1770	1.8	1.317
2.4	1689 / 1224	1690 / 541	1.793	1.332
2.5	1759 / 2043	1760 / 1360	1.527	1.204
2.6	1830 / 814	1831 / 131	1.921	1.365
2.7	1900 / 1633	1901 / 950	1.8	1.558
2.8	1971 / 404	1971 / 1769	1.657	1.165
2.9	2041 / 1223	2042 / 540	1.515	1.008
3	2111 / 2042	2112 / 1359	1.516	1.07
3.1	2182 / 813	2183 / 130	1.454	0.934
3.2	2252 / 1632	2253 / 949	1.528	1.128
3.3	2323 / 403	2323 / 1768	1.356	1.015
3.4	2393 / 1222	2394 / 539	1.096	0.8
3.5	2463 / 2041	2464 / 1358	1.075	1.005
3.6	2534 / 812	2535 / 129	1.769	1.267
3.7	2604 / 1631	2605 / 948	1.669	1.402
3.8	2675 / 402	2675 / 1767	1.603	1.36
3.9	2745 / 1221	2746 / 538	1.772	1.449
4	2815 / 2040	2816 / 1357	1.929	1.385

4.1	2886 / 811	2887 / 128	1.345	0.958
4.2	2956 / 1630	2957 / 947	1.887	1.467
4.3	3027 / 401	3027 / 1766	1.747	1.324
4.4	3097 / 1220	3098 / 537	1.508	1.385
4.5	3167 / 2039	3168 / 1356	1.774	1.307
4.6	3238 / 810	3239 / 127	1.637	1.428
4.7	3308 / 1629	3309 / 946	1.487	1.159
4.8	3379 / 400	3379 / 1765	1.796	1.53
4.9	3449 / 1219	3450 / 536	1.507	1.267
5	3519 / 2038	3520 / 1355	1.599	1.34
5.1	3590 / 809	3591 / 126	1.335	1.234
5.2	3660 / 1628	3661 / 945	1.615	1.358
5.3	3731 / 399	3731 / 1764	0.915	0.883
5.4	3801 / 1218	3802 / 535	1.214	1.06
5.5	3871 / 2037	3872 / 1354	1.375	1.151
5.6	3942 / 808	3943 / 125	1.843	1.638
5.7	4012 / 1627	4013 / 944	1.469	1.22
5.8	4083 / 398	4083 / 1763	1.738	1.448
5.9	4153 / 1217	4154 / 534	1.705	1.183
6	4223 / 2036	4224 / 1353	1.751	1.645
6.1	4294 / 807	4295 / 124	0.973	0.873
6.2	4364 / 1626	4365 / 943	1.694	1.864
6.3	4435 / 397	4435 / 1762	1.284	1.091
6.4	4505 / 1216	4506 / 533	1.627	1.341
6.5	4575 / 2035	4576 / 1352	1.23	1.129
6.6	4646 / 806	4647 / 123	1.677	1.447
6.7	4716 / 1625	4717 / 942	0.979	0.796
6.8	4787 / 396	4787 / 1761	1.499	1.217
6.9	4857 / 1215	4858 / 532	1.688	1.575
7	4927 / 2034	4928 / 1351	1.19	1.037
7.1	4998 / 805	4999 / 122	1.484	1.338
7.2	5068 / 1624	5069 / 941	1.206	1.173
7.3	5139 / 395	5139 / 1760	1.771	1.683
7.4	5209 / 1214	5210 / 531	1.317	1.157
7.5	5279 / 2033	5280 / 1350	1.747	1.302
7.6	5350 / 804	5351 / 121	1.477	1.247
7.7	5420 / 1623	5421 / 940	1.137	0.964
7.8	5491 / 394	5491 / 1759	1.639	1.419
7.9	5561 / 1213	5562 / 530	1.027	0.992
8	5631 / 2032	5632 / 1349	1.367	1.272
8.1	5702 / 803	5703 / 120	1.74	1.524
8.2	5772 / 1622	5773 / 939	1.567	1.38
8.3	5843 / 393	5843 / 1758	1.307	1.168

8.4	5913 / 1212	5914 / 529	1.376	1.073
8.5	5983 / 2031	5984 / 1348	1.386	1.195
8.6	6054 / 802	6055 / 119	1.521	1.134
8.7	6124 / 1621	6125 / 938	1.902	1.908
8.8	6195 / 392	6195 / 1757	1.228	1.213
8.9	6265 / 1211	6266 / 528	0.873	0.813
9	6335 / 2030	6336 / 1347	1.572	1.209
9.1	6406 / 801	6407 / 118	1.479	1.248
9.2	6476 / 1620	6477 / 937	1.28	0.981
9.3	6547 / 391	6547 / 1756	1.044	0.856
9.4	6617 / 1210	6618 / 527	0.851	0.787
9.5	6687 / 2029	6688 / 1346	1.438	1.289
9.6	6758 / 800	6759 / 117	1.698	1.476
9.7	6828 / 1619	6829 / 936	1.109	1.024
9.8	6899 / 390	6899 / 1755	0.967	0.956
9.9	6969 / 1209	6970 / 526	1.094	0.85
10	7039 / 2028	7040 / 1345	0.943	0.78
10.1	7110 / 799	7111 / 116	1.204	0.873
10.2	7180 / 1618	7181 / 935	1.258	1.045
10.3	7251 / 389	7251 / 1754	1.666	1.529
10.4	7321 / 1208	7322 / 525	1.242	1.238
10.5	7391 / 2027	7392 / 1344	0.841	0.739
10.6	7462 / 798	7463 / 115	0.915	1.212
10.7	7532 / 1617	7533 / 934	1.118	1.105
10.8	7603 / 388	7603 / 1753	1.143	0.983
10.9	7673 / 1207	7674 / 524	1.672	1.35
11	7743 / 2026	7744 / 1343	1.039	1.121
11.1	7814 / 797	7815 / 114	1.55	1.226
11.2	7884 / 1616	7885 / 933	1.223	1.228
11.3	7955 / 387	7955 / 1752	1.194	1.307
11.4	8025 / 1206	8026 / 523	1.279	1.133
11.5	8095 / 2025	8096 / 1342	0.859	0.812
11.6	8166 / 796	8167 / 113	1.263	1.389
11.7	8236 / 1615	8237 / 932	1.315	1.308
11.8	8307 / 386	8307 / 1751	1.214	0.917
11.9	8377 / 1205	8378 / 522	1.059	0.834
12	8447 / 2024	8448 / 1341	1.267	0.974
12.1	8518 / 795	8519 / 112	1.133	0.936
12.2	8588 / 1614	8589 / 931	1.322	1.005
12.3	8659 / 385	8659 / 1750	1.486	1.05
12.4	8729 / 1204	8730 / 521	1.325	0.831
12.5	8799 / 2023	8800 / 1340	1.293	0.938
12.6	8870 / 794	8871 / 111	1.217	0.832

12.7	8940 / 1613	8941 / 930	1.274	0.69
12.8	9011 / 384	9011 / 1749	1.363	0.998
12.9	9081 / 1203	9082 / 520	1.069	0.721
13	9151 / 2022	9152 / 1339	1.733	1.046
13.1	9222 / 793	9223 / 110	1.592	1.205
13.2	9292 / 1612	9293 / 929	1.199	0.719
13.3	9363 / 383	9363 / 1748	1.376	0.88
13.4	9433 / 1202	9434 / 519	1.221	0.935
13.5	9503 / 2021	9504 / 1338	1.468	1.355
13.6	9574 / 792	9575 / 109	1.445	1.137
13.7	9644 / 1611	9645 / 928	1.543	1.35
13.8	9715 / 382	9715 / 1747	1.285	0.87
13.9	9785 / 1201	9786 / 518	1.435	1.273
14	9855 / 2020	9856 / 1337	1.276	0.856
14.1	9926 / 791	9927 / 108	2.092	1.526
14.2	9996 / 1610	9997 / 927	1.33	0.827
14.3	10067 / 381	10067 / 1746	1.902	1.335
14.4	10137 / 1200	10138 / 517	1.766	1.069
14.5	10207 / 2019	10208 / 1336	2.16	1.288
14.6	10278 / 790	10279 / 107	2.194	1.169
14.7	10348 / 1609	10349 / 926	1.805	1.674
14.8	10419 / 380	10419 / 1745	0.983	0.942
14.9	10489 / 1199	10490 / 516	1.729	1.694
15	10559 / 2018	10560 / 1335	1.785	1.547
15.1	10630 / 789	10631 / 106	1.044	0.887
15.2	10700 / 1608	10701 / 925	1.467	1.599
15.3	10771 / 379	10771 / 1744	1.142	0.962
15.4	10841 / 1198	10842 / 515	1.796	1.875
15.5	10911 / 2017	10912 / 1334	1.494	1.31
15.6	10982 / 788	10983 / 105	1.16	0.956
15.7	11052 / 1607	11053 / 924	1.506	1.616
15.8	11123 / 378	11123 / 1743	1.255	1.136
15.9	11193 / 1197	11194 / 514	1.043	1.072
16	11263 / 2016	11264 / 1333	1.626	1.482
16.1	11334 / 787	11335 / 104	1.098	1.042
16.2	11404 / 1606	11405 / 923	1.576	1.386
16.3	11475 / 377	11475 / 1742	1.079	0.836
16.4	11545 / 1196	11546 / 513	2.146	2.177
16.5	11615 / 2015	11616 / 1332	1.33	1.107
16.6	11686 / 786	11687 / 103	2.074	1.81
16.7	11756 / 1605	11757 / 922	1.474	1.203
16.8	11827 / 376	11827 / 1741	1.547	1.338
16.9	11897 / 1195	11898 / 512	1.925	1.787

17	11967 / 2014	11968 / 1331	1.695	1.321
17.1	12038 / 785	12039 / 102	1.945	1.809
17.2	12108 / 1604	12109 / 921	0.934	0.833
17.3	12179 / 375	12179 / 1740	1.37	1.339
17.4	12249 / 1194	12250 / 511	1.413	1.474
17.5	12319 / 2013	12320 / 1330	1.484	1.341
17.6	12390 / 784	12391 / 101	1.224	1.187
17.7	12460 / 1603	12461 / 920	1.385	1.226
17.8	12531 / 374	12531 / 1739	1.159	1.137
17.9	12601 / 1193	12602 / 510	1.089	0.946
18	12671 / 2012	12672 / 1329	0.923	0.805
18.1	12742 / 783	12743 / 100	1.521	1.248
18.2	12812 / 1602	12813 / 919	1.192	1.071
18.3	12883 / 373	12883 / 1738	1.377	1.291
18.4	12953 / 1192	12954 / 509	1.272	1.218
18.5	13023 / 2011	13024 / 1328	1.191	1.026
18.6	13094 / 782	13095 / 99	1.266	1.128
18.7	13164 / 1601	13165 / 918	1.384	1.144
18.8	13235 / 372	13235 / 1737	1.758	1.682
18.9	13305 / 1191	13306 / 508	1.447	1.299
19	13375 / 2010	13376 / 1327	1.327	1.19
19.1	13446 / 781	13447 / 98	1.02	0.94
19.2	13516 / 1600	13517 / 917	1.225	1.135
19.3	13587 / 371	13587 / 1736	1.306	1.128
19.4	13657 / 1190	13658 / 507	1.279	1.163
19.5	13727 / 2009	13728 / 1326	1.695	1.352
19.6	13798 / 780	13799 / 97	1.709	1.547
19.7	13868 / 1599	13869 / 916	1.36	1.188
19.8	13939 / 370	13939 / 1735	1.262	1.066
19.9	14009 / 1189	14010 / 506	1.309	1.061
20	14079 / 2008	14080 / 1325	1.12	0.872
20.1	14150 / 779	14151 / 96	1.113	0.867
20.2	14220 / 1598	14221 / 915	1.467	1.207
20.3	14291 / 369	14291 / 1734	1.197	1.07
20.4	14361 / 1188	14362 / 505	1.539	1.328
20.5	14431 / 2007	14432 / 1324	1.701	1.526
20.6	14502 / 778	14503 / 95	1.183	1.079
20.7	14572 / 1597	14573 / 914	1.18	0.967
20.8	14643 / 368	14643 / 1733	1.514	1.08
20.9	14713 / 1187	14714 / 504	1.367	1.146
21	14783 / 2006	14784 / 1323	1.302	1.215
21.1	14854 / 777	14855 / 94	0.918	0.82
21.2	14924 / 1596	14925 / 913	1.396	1.304

21.3	14995 / 367	14995 / 1732	1.175	1.129
21.4	15065 / 1186	15066 / 503	1.343	1.207
21.5	15135 / 2005	15136 / 1322	1.485	1.414
21.6	15206 / 776	15207 / 93	1.413	1.301
21.7	15276 / 1595	15277 / 912	1.113	0.948
21.8	15347 / 366	15347 / 1731	1.005	0.811
21.9	15417 / 1185	15418 / 502	1.157	1.213
22	15487 / 2004	15488 / 1321	1.208	1.102
22.1	15558 / 775	15559 / 92	1.337	1.163
22.2	15628 / 1594	15629 / 911	1.498	1.436
22.3	15699 / 365	15699 / 1730	1.204	0.968
22.4	15769 / 1184	15770 / 501	1.315	1.168
22.5	15839 / 2003	15840 / 1320	1.564	1.534
22.6	15910 / 774	15911 / 91	1.455	1.304
22.7	15980 / 1593	15981 / 910	1.336	1.397
22.8	16051 / 364	16051 / 1729	1.495	1.346
22.9	16121 / 1183	16122 / 500	1.32	1.108
23	16191 / 2002	16192 / 1319	1.254	1.132
23.1	16262 / 773	16263 / 90	1.336	1.223
23.2	16332 / 1592	16333 / 909	1.265	1.263
23.3	16403 / 363	16403 / 1728	1.352	1.233
23.4	16473 / 1182	16474 / 499	1.321	1.345
23.5	16543 / 2001	16544 / 1318	1.311	1.504
23.6	16614 / 772	16615 / 89	1.475	1.456
23.7	16684 / 1591	16685 / 908	1.341	1.289
23.8	16755 / 362	16755 / 1727	1.269	1.331
23.9	16825 / 1181	16826 / 498	1.31	1.306
24	16895 / 2000	16896 / 1317	1.126	0.971
24.1	16966 / 771	16967 / 88	1.591	1.464
24.2	17036 / 1590	17037 / 907	1.464	1.304
24.3	17107 / 361	17107 / 1726	1.474	1.311
24.4	17177 / 1180	17178 / 497	1.361	1.341
24.5	17247 / 1999	17248 / 1316	1.327	1.278
24.6	17318 / 770	17319 / 87	1.385	1.359
24.7	17388 / 1589	17389 / 906	1.433	1.252
24.8	17459 / 360	17459 / 1725	1.278	1.363
24.9	17529 / 1179	17530 / 496	1.35	1.246
25	17599 / 1998	17600 / 1315	1.298	0.952
25.1	17670 / 769	17671 / 86	1.091	0.931
25.2	17740 / 1588	17741 / 905	1.308	1.102
25.3	17811 / 359	17811 / 1724	1.189	1.188
25.4	17881 / 1178	17882 / 495	1.188	1.181
25.5	17951 / 1997	17952 / 1314	1.31	1.263

25.6	18022 / 768	18023 / 85	1.455	1.189
25.7	18092 / 1587	18093 / 904	1.391	1.221
25.8	18163 / 358	18163 / 1723	1.504	1.489
25.9	18233 / 1177	18234 / 494	1.377	1.384
26	18303 / 1996	18304 / 1313	1.413	1.277
26.1	18374 / 767	18375 / 84	1.298	1.045
26.2	18444 / 1586	18445 / 903	1.523	1.335
26.3	18515 / 357	18515 / 1722	1.429	1.121
26.4	18585 / 1176	18586 / 493	1.351	1.19
26.5	18655 / 1995	18656 / 1312	1.774	1.594
26.6	18726 / 766	18727 / 83	1.38	1.272
26.7	18796 / 1585	18797 / 902	1.543	1.442
26.8	18867 / 356	18867 / 1721	1.456	1.525
26.9	18937 / 1175	18938 / 492	1.385	1.232
27	19007 / 1994	19008 / 1311	1.061	0.791
27.1	19078 / 765	19079 / 82	1.308	1.266
27.2	19148 / 1584	19149 / 901	1.168	1.139
27.3	19219 / 355	19219 / 1720	1.214	1.035
27.4	19289 / 1174	19290 / 491	1.085	1.107
27.5	19359 / 1993	19360 / 1310	1.311	1.221
27.6	19430 / 764	19431 / 81	1.232	1.123
27.7	19500 / 1583	19501 / 900	1.584	1.382
27.8	19571 / 354	19571 / 1719	1.276	1.272
27.9	19641 / 1173	19642 / 490	1.341	1.463
28	19711 / 1992	19712 / 1309	1.075	0.925
28.1	19782 / 763	19783 / 80	1.093	0.981
28.2	19852 / 1582	19853 / 899	1.279	1.088
28.3	19923 / 353	19923 / 1718	1.208	1.008
28.4	19993 / 1172	19994 / 489	1.309	1.094
28.5	20063 / 1991	20064 / 1308	1.113	1.032
28.6	20134 / 762	20135 / 79	1.586	1.933
28.7	20204 / 1581	20205 / 898	1.32	1.261
28.8	20275 / 352	20275 / 1717	1.05	0.825
28.9	20345 / 1171	20346 / 488	1.257	1.227
29	20415 / 1990	20416 / 1307	1.079	0.977
29.1	20486 / 761	20487 / 78	0.993	0.855
29.2	20556 / 1580	20557 / 897	1.117	0.82
29.3	20627 / 351	20627 / 1716	1.236	0.935
29.4	20697 / 1170	20698 / 487	1.205	1.06
29.5	20767 / 1989	20768 / 1306	1.276	0.972
29.6	20838 / 760	20839 / 77	1.072	1.032
29.7	20908 / 1579	20909 / 896	1.137	0.958
29.8	20979 / 350	20979 / 1715	1.416	1.095

29.9	21049 / 1169	21050 / 486	1.175	1.062
30	21119 / 1988	21120 / 1305	1.195	0.99
30.1	21190 / 759	21191 / 76	1.1	0.891
30.2	21260 / 1578	21261 / 895	1.092	0.974
30.3	21331 / 349	21331 / 1714	1.024	0.894
30.4	21401 / 1168	21402 / 485	1.103	0.934
30.5	21471 / 1987	21472 / 1304	1.235	0.97
30.6	21542 / 758	21543 / 75	1.164	1.029
30.7	21612 / 1577	21613 / 894	1.245	1.132
30.8	21683 / 348	21683 / 1713	1.229	1.105
30.9	21753 / 1167	21754 / 484	1.088	1.048
31	21823 / 1986	21824 / 1303	1.675	1.289
31.1	21894 / 757	21895 / 74	1.41	1.248
31.2	21964 / 1576	21965 / 893	1.027	0.822
31.3	22035 / 347	22035 / 1712	1.175	0.937
31.4	22105 / 1166	22106 / 483	1.086	0.868
31.5	22175 / 1985	22176 / 1302	1.145	0.986
31.6	22246 / 756	22247 / 73	1.034	0.873
31.7	22316 / 1575	22317 / 892	1.198	1.116
31.8	22387 / 346	22387 / 1711	1.255	1.043
31.9	22457 / 1165	22458 / 482	1.084	1.052
32	22527 / 1984	22528 / 1301	1.364	1.009
32.1	22598 / 755	22599 / 72	1.255	1.091
32.2	22668 / 1574	22669 / 891	1.626	1.44
32.3	22739 / 345	22739 / 1710	1.075	0.987
32.4	22809 / 1164	22810 / 481	1.387	1.049
32.5	22879 / 1983	22880 / 1300	0.98	0.889
32.6	22950 / 754	22951 / 71	1.234	1.175
32.7	23020 / 1573	23021 / 890	1.343	1.234
32.8	23091 / 344	23091 / 1709	1.078	0.91
32.9	23161 / 1163	23162 / 480	1.038	0.92
33	23231 / 1982	23232 / 1299	1.06	0.962
33.1	23302 / 753	23303 / 70	1.399	1.217
33.2	23372 / 1572	23373 / 889	1.177	0.924
33.3	23443 / 343	23443 / 1708	1.043	0.867
33.4	23513 / 1162	23514 / 479	1.045	0.891
33.5	23583 / 1981	23584 / 1298	1.017	0.882
33.6	23654 / 752	23655 / 69	1.098	0.873
33.7	23724 / 1571	23725 / 888	1.174	1.047
33.8	23795 / 342	23795 / 1707	1.166	0.866
33.9	23865 / 1161	23866 / 478	1.074	0.882
34	23935 / 1980	23936 / 1297	1.091	0.894
34.1	24006 / 751	24007 / 68	1.084	0.922

34.2	24076 / 1570	24077 / 887	1.391	1.137
34.3	24147 / 341	24147 / 1706	1.062	0.979
34.4	24217 / 1160	24218 / 477	1.122	0.948
34.5	24287 / 1979	24288 / 1296	1.04	0.862
34.6	24358 / 750	24359 / 67	1.052	0.834
34.7	24428 / 1569	24429 / 886	0.968	0.847
34.8	24499 / 340	24499 / 1705	1.13	0.836
34.9	24569 / 1159	24570 / 476	0.973	0.811
35	24639 / 1978	24640 / 1295	1.02	0.839
35.1	24710 / 749	24711 / 66	1.075	0.851
35.2	24780 / 1568	24781 / 885	1.174	0.947
35.3	24851 / 339	24851 / 1704	1.205	0.947
35.4	24921 / 1158	24922 / 475	1.208	0.9
35.5	24991 / 1977	24992 / 1294	1.354	1.155
35.6	25062 / 748	25063 / 65	1.113	0.907
35.7	25132 / 1567	25133 / 884	1.223	1.074
35.8	25203 / 338	25203 / 1703	1.173	1.037
35.9	25273 / 1157	25274 / 474	1.283	1.14
36	25343 / 1976	25344 / 1293	1.226	1.02
36.1	25414 / 747	25415 / 64	1.252	1.239
36.2	25484 / 1566	25485 / 883	1.169	0.914
36.3	25555 / 337	25555 / 1702	1.717	1.322
36.4	25625 / 1156	25626 / 473	1.297	0.915
36.5	25695 / 1975	25696 / 1292	1.289	1.114
36.6	25766 / 746	25767 / 63	1.286	1.317
36.7	25836 / 1565	25837 / 882	1.139	0.956
36.8	25907 / 336	25907 / 1701	1.25	0.987
36.9	25977 / 1155	25978 / 472	1.052	0.901
37	26047 / 1974	26048 / 1291	1.177	1.027
37.1	26118 / 745	26119 / 62	1.472	1.034
37.2	26188 / 1564	26189 / 881	1.644	1.307
37.3	26259 / 335	26259 / 1700	1.163	1.558
37.4	26329 / 1154	26330 / 471	0.909	0.862
37.5	26399 / 1973	26400 / 1290	1.21	1.092
37.6	26470 / 744	26471 / 61	1.04	1.034
37.7	26540 / 1563	26541 / 880	1.111	0.999
37.8	26611 / 334	26611 / 1699	1.816	1.745
37.9	26681 / 1153	26682 / 470	1.107	1.066
38	26751 / 1972	26752 / 1289	1.262	1.077
38.1	26822 / 743	26823 / 60	1.408	1.514
38.2	26892 / 1562	26893 / 879	1.448	1.244
38.3	26963 / 333	26963 / 1698	1.132	1.023
38.4	27033 / 1152	27034 / 469	1.529	1.218

38.5	27103 / 1971	27104 / 1288	1.353	1.341
38.6	27174 / 742	27175 / 59	1.873	1.383
38.7	27244 / 1561	27245 / 878	1.289	1.41
38.8	27315 / 332	27315 / 1697	1.589	1.234
38.9	27385 / 1151	27386 / 468	1.196	1.277
39	27455 / 1970	27456 / 1287	1.668	1.376
39.1	27526 / 741	27527 / 58	1.167	1.09
39.2	27596 / 1560	27597 / 877	1.321	1.305
39.3	27667 / 331	27667 / 1696	1.425	1.314
39.4	27737 / 1150	27738 / 467	1.495	1.357
39.5	27807 / 1969	27808 / 1286	1.404	1.121
39.6	27878 / 740	27879 / 57	1.284	1.005
39.7	27948 / 1559	27949 / 876	1.586	1.305
39.8	28019 / 330	28019 / 1695	1.363	1.403
39.9	28089 / 1149	28090 / 466	1.279	1.101
40	28159 / 1968	28160 / 1285	1.177	1.084
40.1	28230 / 739	28231 / 56	1.533	1.038
40.2	28300 / 1558	28301 / 875	0.993	0.89
40.3	28371 / 329	28371 / 1694	1.004	0.869
40.4	28441 / 1148	28442 / 465	0.952	0.837
40.5	28511 / 1967	28512 / 1284	1.192	1.058
40.6	28582 / 738	28583 / 55	1.201	1.277
40.7	28652 / 1557	28653 / 874	1.517	1.439
40.8	28723 / 328	28723 / 1693	1.057	0.878
40.9	28793 / 1147	28794 / 464	1.282	1.05
41	28863 / 1966	28864 / 1283	1.712	1.602
41.1	28934 / 737	28935 / 54	1.838	1.669
41.2	29004 / 1556	29005 / 873	1.397	1.389
41.3	29075 / 327	29075 / 1692	1.59	1.508
41.4	29145 / 1146	29146 / 463	1.395	1.338
41.5	29215 / 1965	29216 / 1282	1.545	1.513
41.6	29286 / 736	29287 / 53	1.237	1.212
41.7	29356 / 1555	29357 / 872	1.9	1.594
41.8	29427 / 326	29427 / 1691	1.913	1.288
41.9	29497 / 1145	29498 / 462	2.572	1.683
42	29567 / 1964	29568 / 1281	1.561	1.609
42.1	29638 / 735	29639 / 52	1.546	1.435
42.2	29708 / 1554	29709 / 871	1.429	1.347
42.3	29779 / 325	29779 / 1690	1.447	1.274
42.4	29849 / 1144	29850 / 461	1.193	1.173
42.5	29919 / 1963	29920 / 1280	2.135	1.826
42.6	29990 / 734	29991 / 51	1.908	1.772
42.7	30060 / 1553	30061 / 870	1.877	1.932

42.8	30131 / 324	30131 / 1689	1.415	1.109
42.9	30201 / 1143	30202 / 460	1.085	0.884
43	30271 / 1962	30272 / 1279	1.587	1.661
43.1	30342 / 733	30343 / 50	1.384	1.357
43.2	30412 / 1552	30413 / 869	1.035	1.044
43.3	30483 / 323	30483 / 1688	1.128	1.093
43.4	30553 / 1142	30554 / 459	1.26	1.369
43.5	30623 / 1961	30624 / 1278	1.563	1.428
43.6	30694 / 732	30695 / 49	1.433	1.327
43.7	30764 / 1551	30765 / 868	1.537	1.296
43.8	30835 / 322	30835 / 1687	1.586	1.451
43.9	30905 / 1141	30906 / 458	1.181	1.139
44	30975 / 1960	30976 / 1277	1.339	1.207
44.1	31046 / 731	31047 / 48	1.377	1.381
44.2	31116 / 1550	31117 / 867	1.281	1.207
44.3	31187 / 321	31187 / 1686	1.295	1.222
44.4	31257 / 1140	31258 / 457	1.373	1.046
44.5	31327 / 1959	31328 / 1276	1.866	1.581
44.6	31398 / 730	31399 / 47	1.666	1.37
44.7	31468 / 1549	31469 / 866	1.158	1.271
44.8	31539 / 320	31539 / 1685	1.331	1.336
44.9	31609 / 1139	31610 / 456	1.772	1.376
45	31679 / 1958	31680 / 1275	1.563	1.501
45.1	31750 / 729	31751 / 46	1.203	1.02
45.2	31820 / 1548	31821 / 865	1.132	0.867
45.3	31891 / 319	31891 / 1684	0.909	0.884
45.4	31961 / 1138	31962 / 455	1.352	1.294
45.5	32031 / 1957	32032 / 1274	1.123	0.985
45.6	32102 / 728	32103 / 45	1.345	1.268
45.7	32172 / 1547	32173 / 864	1.483	1.713
45.8	32243 / 318	32243 / 1683	2.013	1.68
45.9	32313 / 1137	32314 / 454	1.836	1.633
46	32383 / 1956	32384 / 1273	1.504	1.488
46.1	32454 / 727	32455 / 44	1.621	1.652
46.2	32524 / 1546	32525 / 863	1.393	1.402
46.3	32595 / 317	32595 / 1682	1.306	1.236
46.4	32665 / 1136	32666 / 453	1.539	1.419
46.5	32735 / 1955	32736 / 1272	1.466	1.075
46.6	32806 / 726	32807 / 43	1.949	1.668
46.7	32876 / 1545	32877 / 862	1.536	1.39
46.8	32947 / 316	32947 / 1681	1.338	1.145
46.9	33017 / 1135	33018 / 452	1.773	1.658
47	33087 / 1954	33088 / 1271	1.739	1.371

47.1	33158 / 725	33159 / 42	1.116	1.289
47.2	33228 / 1544	33229 / 861	1.235	1.098
47.3	33299 / 315	33299 / 1680	1.076	1.109
47.4	33369 / 1134	33370 / 451	1.447	1.361
47.5	33439 / 1953	33440 / 1270	1.189	1.018
47.6	33510 / 724	33511 / 41	1.451	1.26
47.7	33580 / 1543	33581 / 860	1.712	1.666
47.8	33651 / 314	33651 / 1679	1.272	1.243
47.9	33721 / 1133	33722 / 450	1.489	1.181
48	33791 / 1952	33792 / 1269	1.423	1.248
48.1	33862 / 723	33863 / 40	1.969	1.709
48.2	33932 / 1542	33933 / 859	1.457	1.498
48.3	34003 / 313	34003 / 1678	1.907	1.848
48.4	34073 / 1132	34074 / 449	1.67	1.502
48.5	34143 / 1951	34144 / 1268	1.88	1.47
48.6	34214 / 722	34215 / 39	1.653	1.244
48.7	34284 / 1541	34285 / 858	1.169	1.004
48.8	34355 / 312	34355 / 1677	1.645	1.23
48.9	34425 / 1131	34426 / 448	1.28	1.296
49	34495 / 1950	34496 / 1267	1.865	1.238
49.1	34566 / 721	34567 / 38	1.383	1.308
49.2	34636 / 1540	34637 / 857	1.418	2.014
49.3	34707 / 311	34707 / 1676	1.198	1.195
49.4	34777 / 1130	34778 / 447	1.371	1.271
49.5	34847 / 1949	34848 / 1266	1.637	1.365
49.6	34918 / 720	34919 / 37	1.151	0.867
49.7	34988 / 1539	34989 / 856	1.296	1.274
49.8	35059 / 310	35059 / 1675	1.391	1.126
49.9	35129 / 1129	35130 / 446	1.36	1.175
50	35199 / 1948	35200 / 1265	1.538	1.404
50.1	35270 / 719	35271 / 36	1.265	1.135
50.2	35340 / 1538	35341 / 855	1.174	1.028
50.3	35411 / 309	35411 / 1674	0.882	0.829
50.4	35481 / 1128	35482 / 445	1.158	1.067
50.5	35551 / 1947	35552 / 1264	1.179	0.972
50.6	35622 / 718	35623 / 35	1.289	1.017
50.7	35692 / 1537	35693 / 854	1.597	1.285
50.8	35763 / 308	35763 / 1673	1.681	1.376
50.9	35833 / 1127	35834 / 444	1.213	1.217
51	35903 / 1946	35904 / 1263	1.136	1.019
51.1	35974 / 717	35975 / 34	1.528	1.237
51.2	36044 / 1536	36045 / 853	0.898	0.648
51.3	36115 / 307	36115 / 1672	1.066	0.928

51.4	36185 / 1126	36186 / 443	1.056	0.884
51.5	36255 / 1945	36256 / 1262	1.396	1.076
51.6	36326 / 716	36327 / 33	1.338	1.21
51.7	36396 / 1535	36397 / 852	1.069	0.839
51.8	36467 / 306	36467 / 1671	1.073	0.956
51.9	36537 / 1125	36538 / 442	1.372	1.408
52	36607 / 1944	36608 / 1261	1.053	0.901
52.1	36678 / 715	36679 / 32	1.267	1.15
52.2	36748 / 1534	36749 / 851	1.517	1.234
52.3	36819 / 305	36819 / 1670	1.184	1.249
52.4	36889 / 1124	36890 / 441	1.358	1.031
52.5	36959 / 1943	36960 / 1260	1.13	1.057
52.6	37030 / 714	37031 / 31	1.204	1.043
52.7	37100 / 1533	37101 / 850	1.426	1.107
52.8	37171 / 304	37171 / 1669	1.358	1.219
52.9	37241 / 1123	37242 / 440	1.359	1.206
53	37311 / 1942	37312 / 1259	1.399	1.245
53.1	37382 / 713	37383 / 30	1.254	1.151
53.2	37452 / 1532	37453 / 849	1.262	1.039
53.3	37523 / 303	37523 / 1668	1.266	1.139
53.4	37593 / 1122	37594 / 439	1.511	1.188
53.5	37663 / 1941	37664 / 1258	1.291	1.261
53.6	37734 / 712	37735 / 29	1.153	1.021
53.7	37804 / 1531	37805 / 848	1.212	1.115
53.8	37875 / 302	37875 / 1667	1.238	1.312
53.9	37945 / 1121	37946 / 438	1.443	1.476
54	38015 / 1940	38016 / 1257	1.227	1.254
54.1	38086 / 711	38087 / 28	1.468	1.417
54.2	38156 / 1530	38157 / 847	1.384	1.294
54.3	38227 / 301	38227 / 1666	1.268	1.184
54.4	38297 / 1120	38298 / 437	1.392	1.205
54.5	38367 / 1939	38368 / 1256	1.208	1.134
54.6	38438 / 710	38439 / 27	1.454	1.262
54.7	38508 / 1529	38509 / 846	1.477	1.18
54.8	38579 / 300	38579 / 1665	1.488	1.07
54.9	38649 / 1119	38650 / 436	1.558	1.475
55	38719 / 1938	38720 / 1255	1.39	1.287
55.1	38790 / 709	38791 / 26	1.21	1.063
55.2	38860 / 1528	38861 / 845	1.185	1.086
55.3	38931 / 299	38931 / 1664	1.376	1.459
55.4	39001 / 1118	39002 / 435	1.372	1.472
55.5	39071 / 1937	39072 / 1254	1.391	1.101
55.6	39142 / 708	39143 / 25	1.266	1.12

55.7	39212 / 1527	39213 / 844	1.292	1.214
55.8	39283 / 298	39283 / 1663	1.376	1.352
55.9	39353 / 1117	39354 / 434	1.311	1.174
56	39423 / 1936	39424 / 1253	1.549	1.303
56.1	39494 / 707	39495 / 24	1.82	1.523
56.2	39564 / 1526	39565 / 843	1.416	1.169
56.3	39635 / 297	39635 / 1662	1.334	1.221
56.4	39705 / 1116	39706 / 433	1.523	1.392
56.5	39775 / 1935	39776 / 1252	1.405	1.435
56.6	39846 / 706	39847 / 23	1.284	1.118
56.7	39916 / 1525	39917 / 842	1.367	1.235
56.8	39987 / 296	39987 / 1661	1.854	1.582
56.9	40057 / 1115	40058 / 432	1.794	1.725
57	40127 / 1934	40128 / 1251	2.054	2.013
57.1	40198 / 705	40199 / 22	1.922	1.75
57.2	40268 / 1524	40269 / 841	2.112	4.452
57.3	40339 / 295	40339 / 1660	1.894	1.659
57.4	40409 / 1114	40410 / 431	2.003	1.908
57.5	40479 / 1933	40480 / 1250	1.301	1.664
57.6	40550 / 704	40551 / 21	1.551	1.513
57.7	40620 / 1523	40621 / 840	1.531	1.293
57.8	40691 / 294	40691 / 1659	1.453	1.202
57.9	40761 / 1113	40762 / 430	1.706	1.156
58	40831 / 1932	40832 / 1249	1.794	1.479
58.1	40902 / 703	40903 / 20	2.215	1.561
58.2	40972 / 1522	40973 / 839	2.194	1.781
58.3	41043 / 293	41043 / 1658	1.58	1.415
58.4	41113 / 1112	41114 / 429	1.835	1.437
58.5	41183 / 1931	41184 / 1248	1.448	1.36
58.6	41254 / 702	41255 / 19	1.486	1.23
58.7	41324 / 1521	41325 / 838	1.899	1.35
58.8	41395 / 292	41395 / 1657	1.456	1.246
58.9	41465 / 1111	41466 / 428	2.761	1.945
59	41535 / 1930	41536 / 1247	1.776	1.609
59.1	41606 / 701	41607 / 18	1.851	1.513
59.2	41676 / 1520	41677 / 837	2.129	1.839
59.3	41747 / 291	41747 / 1656	1.689	1.4
59.4	41817 / 1110	41818 / 427	1.574	1.996
59.5	41887 / 1929	41888 / 1246	1.677	1.556
59.6	41958 / 700	41959 / 17	1.595	1.318
59.7	42028 / 1519	42029 / 836	1.89	1.621
59.8	42099 / 290	42099 / 1655	1.542	1.375
59.9	42169 / 1109	42170 / 426	1.566	1.287

60	42239 / 1928	42240 / 1245	1.741	1.619
60.1	42310 / 699	42311 / 16	1.682	1.317
60.2	42380 / 1518	42381 / 835	1.919	1.694
60.3	42451 / 289	42451 / 1654	1.929	1.787
60.4	42521 / 1108	42522 / 425	1.823	1.815
60.5	42591 / 1927	42592 / 1244	1.246	1.044
60.6	42662 / 698	42663 / 15	1.092	0.881
60.7	42732 / 1517	42733 / 834	0.969	0.895
60.8	42803 / 288	42803 / 1653	1.042	0.839
60.9	42873 / 1107	42874 / 424	1.263	1.003
61	42943 / 1926	42944 / 1243	1.014	1.131
61.1	43014 / 697	43015 / 14	1.376	1.349
61.2	43084 / 1516	43085 / 833	1.187	1.163
61.3	43155 / 287	43155 / 1652	1.286	0.942
61.4	43225 / 1106	43226 / 423	1.895	4.367
61.5	43295 / 1925	43296 / 1242	1.051	0.938
61.6	43366 / 696	43367 / 13	1.133	1.016
61.7	43436 / 1515	43437 / 832	1.054	0.963
61.8	43507 / 286	43507 / 1651	0.947	0.947
61.9	43577 / 1105	43578 / 422	0.998	0.946
62	43647 / 1924	43648 / 1241	1.037	0.863
62.1	43718 / 695	43719 / 12	1.078	0.935
62.2	43788 / 1514	43789 / 831	1.095	1.029
62.3	43859 / 285	43859 / 1650	1.142	1.023
62.4	43929 / 1104	43930 / 421	1.389	1.391
62.5	43999 / 1923	44000 / 1240	1.243	1.094
62.6	44070 / 694	44071 / 11	1.338	1.225
62.7	44140 / 1513	44141 / 830	1.397	1.363
62.8	44211 / 284	44211 / 1649	1.174	1.135
62.9	44281 / 1103	44282 / 420	0.994	0.939
63	44351 / 1922	44352 / 1239	0.984	0.938
63.1	44422 / 693	44423 / 10	2.216	2.369
63.2	44492 / 1512	44493 / 829	1.307	1.06
63.3	44563 / 283	44563 / 1648	0.866	0.82
63.4	44633 / 1102	44634 / 419	1.09	0.983
63.5	44703 / 1921	44704 / 1238	1.356	1.261
63.6	44774 / 692	44775 / 9	1.159	1.168
63.7	44844 / 1511	44845 / 828	1.198	1.216
63.8	44915 / 282	44915 / 1647	1.294	1.161
63.9	44985 / 1101	44986 / 418	1.045	1.028
64	45055 / 1920	45056 / 1237	1.086	0.964
64.1	45126 / 691	45127 / 8	1.077	1.062
64.2	45196 / 1510	45197 / 827	1.201	1.137

64.3	45267 / 281	45267 / 1646	1.266	1.01
64.4	45337 / 1100	45338 / 417	1.344	1.295
64.5	45407 / 1919	45408 / 1236	0.932	0.917
64.6	45478 / 690	45479 / 7	0.98	1.003
64.7	45548 / 1509	45549 / 826	1.211	0.909
64.8	45619 / 280	45619 / 1645	1.036	1.004
64.9	45689 / 1099	45690 / 416	1.082	0.991
65	45759 / 1918	45760 / 1235	1.012	1.021
65.1	45830 / 689	45831 / 6	1.049	1.005
65.2	45900 / 1508	45901 / 825	1.143	1.214
65.3	45971 / 279	45971 / 1644	1.134	1.119
65.4	46041 / 1098	46042 / 415	1.265	1.189
65.5	46111 / 1917	46112 / 1234	1.329	1.096
65.6	46182 / 688	46183 / 5	1.21	0.976
65.7	46252 / 1507	46253 / 824	1.012	1.015
65.8	46323 / 278	46323 / 1643	1.001	0.794
65.9	46393 / 1097	46394 / 414	1.101	0.912
66	46463 / 1916	46464 / 1233	1.17	0.971
66.1	46534 / 687	46535 / 4	1.066	0.956
66.2	46604 / 1506	46605 / 823	1.15	0.947
66.3	46675 / 277	46675 / 1642	0.932	0.842
66.4	46745 / 1096	46746 / 413	1.658	1.314
66.5	46815 / 1915	46816 / 1232	1.678	1.091
66.6	46886 / 686	46887 / 3	1.313	1.251
66.7	46956 / 1505	46957 / 822	1.241	1.176
66.8	47027 / 276	47027 / 1641	1.094	1.076
66.9	47097 / 1095	47098 / 412	1.115	0.877
67	47167 / 1914	47168 / 1231	1.186	1.012
67.1	47238 / 685	47239 / 2	1.389	1.28
67.2	47308 / 1504	47309 / 821	1.365	1.089
67.3	47379 / 275	47379 / 1640	1.227	1.226
67.4	47449 / 1094	47450 / 411	1.485	1.36
67.5	47519 / 1913	47520 / 1230	1.557	1.29
67.6	47590 / 684	47591 / 1	1.248	1.048
67.7	47660 / 1503	47661 / 820	1.297	1.09
67.8	47731 / 274	47731 / 1639	1.259	1.078
67.9	47801 / 1093	47802 / 410	1.067	0.92
68	47871 / 1912	47872 / 1229	1.285	1.177
68.1	47942 / 683	47943 / 0	1.282	1.29
68.2	48012 / 1502	48013 / 819	1.191	1.14
68.3	48083 / 273	48083 / 1638	1.043	0.968
68.4	48153 / 1092	48154 / 409	1.163	0.775
68.5	48223 / 1911	48224 / 1228	0.985	0.753

68.6	48294 / 682	48294 / 2047	0.96	0.814
68.7	48364 / 1501	48365 / 818	0.916	0.895
68.8	48435 / 272	48435 / 1637	1.278	1.109
68.9	48505 / 1091	48506 / 408	1.116	0.99
69	48575 / 1910	48576 / 1227	1.339	1.094
69.1	48646 / 681	48646 / 2046	0.852	0.89
69.2	48716 / 1500	48717 / 817	0.91	0.805
69.3	48787 / 271	48787 / 1636	1.051	0.93
69.4	48857 / 1090	48858 / 407	1.032	0.928
69.5	48927 / 1909	48928 / 1226	1.253	1.046
69.6	48998 / 680	48998 / 2045	1.243	1.052
69.7	49068 / 1499	49069 / 816	1.037	0.989
69.8	49139 / 270	49139 / 1635	0.895	0.954
69.9	49209 / 1089	49210 / 406	1.081	0.986
70	49279 / 1908	49280 / 1225	0.98	0.84
70.1	49350 / 679	49350 / 2044	1.111	1.183
70.2	49420 / 1498	49421 / 815	1.151	1.096
70.3	49491 / 269	49491 / 1634	1.049	1.089
70.4	49561 / 1088	49562 / 405	1.348	1.411
70.5	49631 / 1907	49632 / 1224	0.949	0.99
70.6	49702 / 678	49702 / 2043	1.293	1.149
70.7	49772 / 1497	49773 / 814	1.018	1.015
70.8	49843 / 268	49843 / 1633	1.046	0.872
70.9	49913 / 1087	49914 / 404	1.214	1.062
71	49983 / 1906	49984 / 1223	1.343	1.178
71.1	50054 / 677	50054 / 2042	1.295	1.162
71.2	50124 / 1496	50125 / 813	1.284	1.086
71.3	50195 / 267	50195 / 1632	1.339	1.139
71.4	50265 / 1086	50266 / 403	1.237	1.136
71.5	50335 / 1905	50336 / 1222	1.022	1.049
71.6	50406 / 676	50406 / 2041	1.159	1.128
71.7	50476 / 1495	50477 / 812	1.123	0.922
71.8	50547 / 266	50547 / 1631	1.245	1.231
71.9	50617 / 1085	50618 / 402	1.217	1.215
72	50687 / 1904	50688 / 1221	1.245	1.176
72.1	50758 / 675	50758 / 2040	1.307	1.206
72.2	50828 / 1494	50829 / 811	1.215	1.231
72.3	50899 / 265	50899 / 1630	1.229	1.198
72.4	50969 / 1084	50970 / 401	1.284	1.184
72.5	51039 / 1903	51040 / 1220	1.236	1.184
72.6	51110 / 674	51110 / 2039	1.346	1.245
72.7	51180 / 1493	51181 / 810	1.346	1.239
72.8	51251 / 264	51251 / 1629	1.291	1.222

72.9	51321 / 1083	51322 / 400	1.237	1.176
73	51391 / 1902	51392 / 1219	1.218	1.099
73.1	51462 / 673	51462 / 2038	1.204	1.128
73.2	51532 / 1492	51533 / 809	1.294	1.244
73.3	51603 / 263	51603 / 1628	1.337	1.24
73.4	51673 / 1082	51674 / 399	1.354	1.256
73.5	51743 / 1901	51744 / 1218	1.132	1.165
73.6	51814 / 672	51814 / 2037	1.209	1.101
73.7	51884 / 1491	51885 / 808	1.15	0.976
73.8	51955 / 262	51955 / 1627	1.248	1.232
73.9	52025 / 1081	52026 / 398	1.401	1.283
74	52095 / 1900	52096 / 1217	1.159	1.2
74.1	52166 / 671	52166 / 2036	1.379	1.239
74.2	52236 / 1490	52237 / 807	1.184	1.139
74.3	52307 / 261	52307 / 1626	1.314	1.247
74.4	52377 / 1080	52378 / 397	1.185	1.153
74.5	52447 / 1899	52448 / 1216	1.306	1.276
74.6	52518 / 670	52518 / 2035	1.257	1.102
74.7	52588 / 1489	52589 / 806	1.268	1.179
74.8	52659 / 260	52659 / 1625	1.2	0.916
74.9	52729 / 1079	52730 / 396	1.31	1.151
75	52799 / 1898	52800 / 1215	1.297	1.141
75.1	52870 / 669	52870 / 2034	1.263	1.11
75.2	52940 / 1488	52941 / 805	1.224	1.168
75.3	53011 / 259	53011 / 1624	1.245	1.148
75.4	53081 / 1078	53082 / 395	1.203	1.054
75.5	53151 / 1897	53152 / 1214	1.215	1.011
75.6	53222 / 668	53222 / 2033	1.331	1.148
75.7	53292 / 1487	53293 / 804	1.262	1.135
75.8	53363 / 258	53363 / 1623	1.404	1.273
75.9	53433 / 1077	53434 / 394	1.184	1.132
76	53503 / 1896	53504 / 1213	1.22	0.994
76.1	53574 / 667	53574 / 2032	1.261	1.174
76.2	53644 / 1486	53645 / 803	1.276	1.152
76.3	53715 / 257	53715 / 1622	1.267	1.14
76.4	53785 / 1076	53786 / 393	1.254	1.225
76.5	53855 / 1895	53856 / 1212	1.191	1.102
76.6	53926 / 666	53926 / 2031	1.195	1.127
76.7	53996 / 1485	53997 / 802	1.243	1.205
76.8	54067 / 256	54067 / 1621	1.293	1.155
76.9	54137 / 1075	54138 / 392	1.331	1.189
77	54207 / 1894	54208 / 1211	1.271	1.195
77.1	54278 / 665	54278 / 2030	1.157	1.059

77.2	54348 / 1484	54349 / 801	1.198	1.103
77.3	54419 / 255	54419 / 1620	1.19	1.114
77.4	54489 / 1074	54490 / 391	1.112	1.103
77.5	54559 / 1893	54560 / 1210	1.091	1.001
77.6	54630 / 664	54630 / 2029	1.597	1.379
77.7	54700 / 1483	54701 / 800	1.074	1.071
77.8	54771 / 254	54771 / 1619	1.086	1.03
77.9	54841 / 1073	54842 / 390	1.136	0.885
78	54911 / 1892	54912 / 1209	1.08	0.975
78.1	54982 / 663	54982 / 2028	1.135	0.979
78.2	55052 / 1482	55053 / 799	1.047	0.868
78.3	55123 / 253	55123 / 1618	0.97	0.86
78.4	55193 / 1072	55194 / 389	0.935	0.841
78.5	55263 / 1891	55264 / 1208	1.361	1.22
78.6	55334 / 662	55334 / 2027	1.265	1.2
78.7	55404 / 1481	55405 / 798	1.317	1.157
78.8	55475 / 252	55475 / 1617	1.323	1.424
78.9	55545 / 1071	55546 / 388	1.437	1.107
79	55615 / 1890	55616 / 1207	1.086	0.923
79.1	55686 / 661	55686 / 2026	1.043	0.878
79.2	55756 / 1480	55757 / 797	1.127	0.993
79.3	55827 / 251	55827 / 1616	0.989	0.84
79.4	55897 / 1070	55898 / 387	0.952	0.856
79.5	55967 / 1889	55968 / 1206	1.065	0.843
79.6	56038 / 660	56038 / 2025	1.055	0.872
79.7	56108 / 1479	56109 / 796	1.033	0.979
79.8	56179 / 250	56179 / 1615	1.583	1.32
79.9	56249 / 1069	56250 / 386	1.029	0.895
80	56319 / 1888	56320 / 1205	1.018	0.905
80.1	56390 / 659	56390 / 2024	1.194	0.93
80.2	56460 / 1478	56461 / 795	1.115	0.952
80.3	56531 / 249	56531 / 1614	1.153	0.967
80.4	56601 / 1068	56602 / 385	1.115	0.967
80.5	56671 / 1887	56672 / 1204	1.156	0.94
80.6	56742 / 658	56742 / 2023	1.102	0.892
80.7	56812 / 1477	56813 / 794	1.003	0.855
80.8	56883 / 248	56883 / 1613	1.29	1.153
80.9	56953 / 1067	56954 / 384	1.274	1.157
81	57023 / 1886	57024 / 1203	1.283	1.146
81.1	57094 / 657	57094 / 2022	1.341	1.263
81.2	57164 / 1476	57165 / 793	1.583	1.482
81.3	57235 / 247	57235 / 1612	1.508	1.394
81.4	57305 / 1066	57306 / 383	1.402	1.102

81.5	57375 / 1885	57376 / 1202	1.226	1.081
81.6	57446 / 656	57446 / 2021	1.074	1.064
81.7	57516 / 1475	57517 / 792	1.271	1.201
81.8	57587 / 246	57587 / 1611	1.364	1.171
81.9	57657 / 1065	57658 / 382	1.504	1.413
82	57727 / 1884	57728 / 1201	1.417	1.241
82.1	57798 / 655	57798 / 2020	1.386	1.189
82.2	57868 / 1474	57869 / 791	1.41	1.259
82.3	57939 / 245	57939 / 1610	1.355	1.196
82.4	58009 / 1064	58010 / 381	1.36	1.179
82.5	58079 / 1883	58080 / 1200	1.162	1.028
82.6	58150 / 654	58150 / 2019	1.183	1.018
82.7	58220 / 1473	58221 / 790	1.242	0.925
82.8	58291 / 244	58291 / 1609	1.189	1.012
82.9	58361 / 1063	58362 / 380	1.099	0.898
83	58431 / 1882	58432 / 1199	1.044	0.844
83.1	58502 / 653	58502 / 2018	1.323	1.365
83.2	58572 / 1472	58573 / 789	1.3	1.26
83.3	58643 / 243	58643 / 1608	1.379	1.263
83.4	58713 / 1062	58714 / 379	1.221	1.007
83.5	58783 / 1881	58784 / 1198	1.089	1.063
83.6	58854 / 652	58854 / 2017	1.107	1.061
83.7	58924 / 1471	58925 / 788	1.498	0.9893
83.8	58995 / 242	58995 / 1607	1.397	1.129
83.9	59065 / 1061	59066 / 378	1.062	0.992
84	59135 / 1880	59136 / 1197	1.456	1.202
84.1	59206 / 651	59206 / 2016	1.424	1.422
84.2	59276 / 1470	59277 / 787	1.363	0.923
84.3	59347 / 241	59347 / 1606	1.142	1.091
84.4	59417 / 1060	59418 / 377	1.267	1.119
84.5	0 / 0	0 / 1365	1.262	1.556
84.6	70 / 819	71 / 136	1.207	0.947
84.7	140 / 1638	141 / 955	1.021	0.95
84.8	211 / 409	211 / 1774	1.147	1.04
84.9	281 / 1228	282 / 545	1.251	1.107
85	351 / 2047	352 / 1364	1.211	1.146
85.1	422 / 818	423 / 135	1.784	1.133
85.2	492 / 1637	493 / 954	1.441	1.166
85.3	563 / 408	563 / 1773	1.349	0.951
85.4	633 / 1227	634 / 544	1.189	0.982
85.5	703 / 2046	704 / 1363	1.248	1.031
85.6	774 / 817	775 / 134	1.533	1.631
85.7	844 / 1636	845 / 953	1.184	1.051

85.8	915 / 407	915 / 1772	1.297	1.275
85.9	985 / 1226	986 / 543	1.359	0.998
86	1055 / 2045	1056 / 1362	1.289	1.088
86.1	1126 / 816	1127 / 133	1.16	0.998
86.2	1196 / 1635	1197 / 952	1.226	0.942
86.3	1267 / 406	1267 / 1771	1.327	1.042
86.4	1337 / 1225	1338 / 542	0.989	0.941
86.5	1407 / 2044	1408 / 1361	1.232	0.902
86.6	1478 / 815	1479 / 132	1.283	1.026
86.7	1548 / 1634	1549 / 951	1.123	1.009
86.8	1619 / 405	1619 / 1770	1.095	1.009
86.9	1689 / 1224	1690 / 541	1.179	0.886
87	1759 / 2043	1760 / 1360	1.269	1.053
87.1	1830 / 814	1831 / 131	1.463	1.253
87.2	1900 / 1633	1901 / 950	1.494	1.206
87.3	1971 / 404	1971 / 1769	1.213	0.965
87.4	2041 / 1223	2042 / 540	1.446	1.15
87.5	2111 / 2042	2112 / 1359	1.256	1.039
87.6	2182 / 813	2183 / 130	1.276	1.127
87.7	2252 / 1632	2253 / 949	1.055	0.929
87.8	2323 / 403	2323 / 1768	1.57	1.148
87.9	2393 / 1222	2394 / 539	1.338	1.228
88	2463 / 2041	2464 / 1358	1.561	1.275
88.1	2534 / 812	2535 / 129	1.22	1.126
88.2	2604 / 1631	2605 / 948	1.464	1.247
88.3	2675 / 402	2675 / 1767	1.472	1.217
88.4	2745 / 1221	2746 / 538	1.28	1.371
88.5	2815 / 2040	2816 / 1357	5.546	2.076
88.6	2886 / 811	2887 / 128	1.385	1.252
88.7	2956 / 1630	2957 / 947	1.822	1.894
88.8	3027 / 401	3027 / 1766	1.387	1.148
88.9	3097 / 1220	3098 / 537	1.322	1.157
89	3167 / 2039	3168 / 1356	1.512	1.41
89.1	3238 / 810	3239 / 127	1.538	1.332
89.2	3308 / 1629	3309 / 946	1.487	1.349
89.3	3379 / 400	3379 / 1765	1.867	1.373
89.4	3449 / 1219	3450 / 536	1.565	1.219
89.5	3519 / 2038	3520 / 1355	1.36	1.145
89.6	3590 / 809	3591 / 126	1.465	1.321
89.7	3660 / 1628	3661 / 945	1.485	1.098
89.8	3731 / 399	3731 / 1764	2.45	0.9644
89.9	3801 / 1218	3802 / 535	1.501	1.415
90	3871 / 2037	3872 / 1354	1.227	1.125

90.1	3942 / 808	3943 / 125	1.264	2.129
90.2	4012 / 1627	4013 / 944	1.896	1.349
90.3	4083 / 398	4083 / 1763	1.722	1.512
90.4	4153 / 1217	4154 / 534	1.581	1.232
90.5	4223 / 2036	4224 / 1353	1.489	1.56
90.6	4294 / 807	4295 / 124	1.642	1.564
90.7	4364 / 1626	4365 / 943	1.257	1.247
90.8	4435 / 397	4435 / 1762	1.482	1.361
90.9	4505 / 1216	4506 / 533	1.48	1.388
91	4575 / 2035	4576 / 1352	1.381	1.346
91.1	4646 / 806	4647 / 123	1.404	1.274
91.2	4716 / 1625	4717 / 942	1.31	1.236
91.3	4787 / 396	4787 / 1761	1.515	1.292
91.4	4857 / 1215	4858 / 532	1.536	1.438
91.5	4927 / 2034	4928 / 1351	1.324	1.131
91.6	4998 / 805	4999 / 122	1.405	1.219
91.7	5068 / 1624	5069 / 941	1.515	1.249
91.8	5139 / 395	5139 / 1760	1.582	1.421
91.9	5209 / 1214	5210 / 531	1.668	1.353
92	5279 / 2033	5280 / 1350	1.625	1.316
92.1	5350 / 804	5351 / 121	3.554	1.574
92.2	5420 / 1623	5421 / 940	2.291	1.52
92.3	5491 / 394	5491 / 1759	4.915	1.687
92.4	5561 / 1213	5562 / 530	1.516	1.091
92.5	5631 / 2032	5632 / 1349	1.563	1.381
92.6	5702 / 803	5703 / 120	1.539	1.275
92.7	5772 / 1622	5773 / 939	1.484	1.336
92.8	5843 / 393	5843 / 1758	1.627	1.299
92.9	5913 / 1212	5914 / 529	1.516	1.307
93	5983 / 2031	5984 / 1348	1.351	1.254
93.1	6054 / 802	6055 / 119	1.592	1.673
93.2	6124 / 1621	6125 / 938	2.234	1.361
93.3	6195 / 392	6195 / 1757	1.514	1.3
93.4	6265 / 1211	6266 / 528	1.505	1.249
93.5	6335 / 2030	6336 / 1347	1.538	1.243
93.6	6406 / 801	6407 / 118	1.492	1.852
93.7	6476 / 1620	6477 / 937	1.759	1.331
93.8	6547 / 391	6547 / 1756	1.515	1.301
93.9	6617 / 1210	6618 / 527	1.927	1.615
94	6687 / 2029	6688 / 1346	1.482	1.273
94.1	0 / 0	0 / 1365	1.14	1.043
94.2	0 / 0	0 / 1365	1.597	1.499
94.3	70 / 819	71 / 136	1.48	1.308

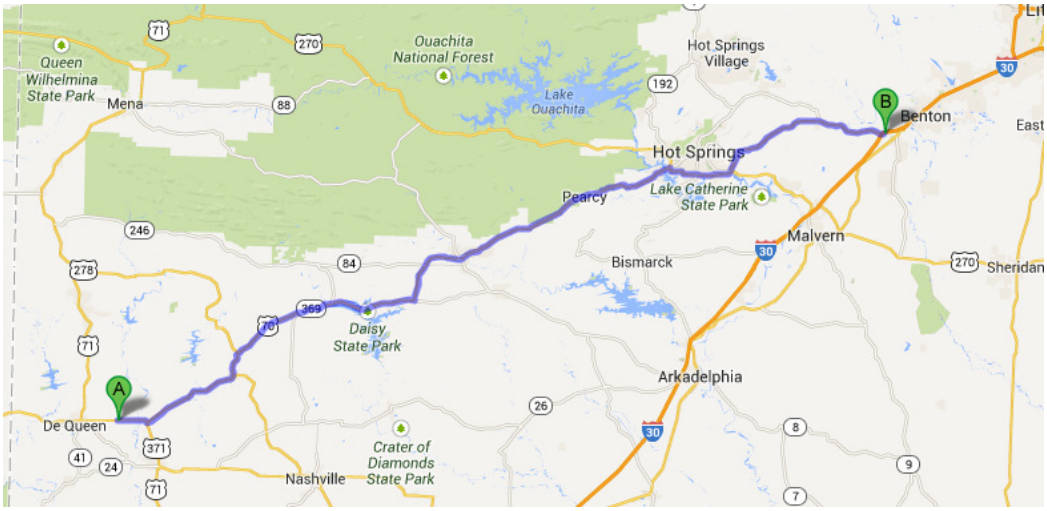
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94.6	281 / 1228	282 / 545	2.642	1.528
94.7	351 / 2047	352 / 1364	1.556	1.193
94.8	422 / 818	423 / 135	1.597	1.097
94.9	492 / 1637	493 / 954	1.689	1.436
95	563 / 408	563 / 1773	1.13	0.958
95.1	633 / 1227	634 / 544	1.233	0.855
95.2	703 / 2046	704 / 1363	1.303	0.872
95.3	774 / 817	775 / 134	1.464	0.839
95.4	844 / 1636	845 / 953	1.596	1.579
95.5	915 / 407	915 / 1772	1.058	1.023
95.6	985 / 1226	986 / 543	1.685	1.334
95.7	1055 / 2045	1056 / 1362	1.149	0.878
95.8	1126 / 816	1127 / 133	1.169	1.019
95.9	1196 / 1635	1197 / 952	1.027	0.986
96	1267 / 406	1267 / 1771	1.082	0.918
96.1	1337 / 1225	1338 / 542	1.326	1.328
96.2	1407 / 2044	1408 / 1361	0.851	0.726
96.3	1478 / 815	1479 / 132	1.005	0.887
96.4	1548 / 1634	1549 / 951	0.931	0.875
96.5	1619 / 405	1619 / 1770	1.282	1.109
96.6	1689 / 1224	1690 / 541	1.806	1.321
96.7	1759 / 2043	1760 / 1360	0.723	0.754
96.8	1830 / 814	1831 / 131	0.77	0.698
96.9	1900 / 1633	1901 / 950	1.075	0.96
97	1971 / 404	1971 / 1769	0.982	0.828
97.1	2041 / 1223	2042 / 540	1.039	0.918
97.2	2111 / 2042	2112 / 1359	0.837	0.695
97.3	2182 / 813	2183 / 130	0.797	0.639
97.4	2252 / 1632	2253 / 949	1.237	1.35
97.5	2323 / 403	2323 / 1768	1.448	1.361
97.6	2393 / 1222	2394 / 539	1.238	1.42
97.7	2463 / 2041	2464 / 1358	2.15	1.644
97.8	2534 / 812	2535 / 129	1.362	1.247
97.9	2604 / 1631	2605 / 948	1.222	1.277
98	2675 / 402	2675 / 1767	1.002	0.868
98.1	2745 / 1221	2746 / 538	1.533	1.518
98.2	2815 / 2040	2816 / 1357	1.708	1.718
98.3	2886 / 811	2887 / 128	1.107	0.912
98.4	2956 / 1630	2957 / 947	1.611	1.33
98.5	3027 / 401	3027 / 1766	0.957	0.831
98.6	3097 / 1220	3098 / 537	1.156	0.867

98.7	3167 / 2039	3168 / 1356	1.009	0.941
98.8	3238 / 810	3239 / 127	1.223	1.005
98.9	3308 / 1629	3309 / 946	1.36	1.317
99	3379 / 400	3379 / 1765	1.29	0.972
99.1	3449 / 1219	3450 / 536	1.112	0.968
99.2	3519 / 2038	3520 / 1355	1.664	1.481
99.3	3590 / 809	3591 / 126	1.311	1.016
99.4	3660 / 1628	3661 / 945	1.266	1.075
99.5	3731 / 399	3731 / 1764	1.614	1.276
99.6	3801 / 1218	3802 / 535	1.438	1.252
99.7	3871 / 2037	3872 / 1354	1.421	1.439
99.8	3942 / 808	3943 / 125	1.499	1.471
99.9	4012 / 1627	4013 / 944	1.455	1.488
100	4083 / 398	4083 / 1763	0.894	0.804
100.1	4153 / 1217	4154 / 534	1.204	1.049
100.2	4223 / 2036	4224 / 1353	1.434	1.101
100.3	4294 / 807	4295 / 124	3.046	1.562
100.4	4364 / 1626	4365 / 943	1.435	1.001
100.5	4435 / 397	4435 / 1762	1.242	1.344
100.6	4505 / 1216	4506 / 533	1.854	1.621
100.7	4575 / 2035	4576 / 1352	1.25	1.284
100.8	4646 / 806	4647 / 123	1.19	0.968
100.9	4716 / 1625	4717 / 942	1.88	1.489
101	4787 / 396	4787 / 1761	1.503	1.198
101.1	4857 / 1215	4858 / 532	0.999	0.89
101.2	4927 / 2034	4928 / 1351	1.264	1.386
101.3	4998 / 805	4999 / 122	1.379	1.704
101.4	5068 / 1624	5069 / 941	1.472	1.583
101.5	5139 / 395	5139 / 1760	1.118	1.045
101.6	5209 / 1214	5210 / 531	1.363	1.382
101.7	5279 / 2033	5280 / 1350	1.7	1.724
101.8	5350 / 804	5351 / 121	1.235	1.157
101.9	5420 / 1623	5421 / 940	1.287	1.166
102	5491 / 394	5491 / 1759	1.557	1.025
102.1	5561 / 1213	5562 / 530	0.849	0.705
102.2	5631 / 2032	5632 / 1349	1.186	0.959
102.3	5702 / 803	5703 / 120	1.719	1.432
102.4	5772 / 1622	5773 / 939	1.146	1.061
102.5	5843 / 393	5843 / 1758	1.586	0.984
102.6	5913 / 1212	5914 / 529	1.872	1.193
102.7	5983 / 2031	5984 / 1348	2.01	1.423
102.8	6054 / 802	6055 / 119	1.965	1.492
102.9	6124 / 1621	6125 / 938	2.037	1.342

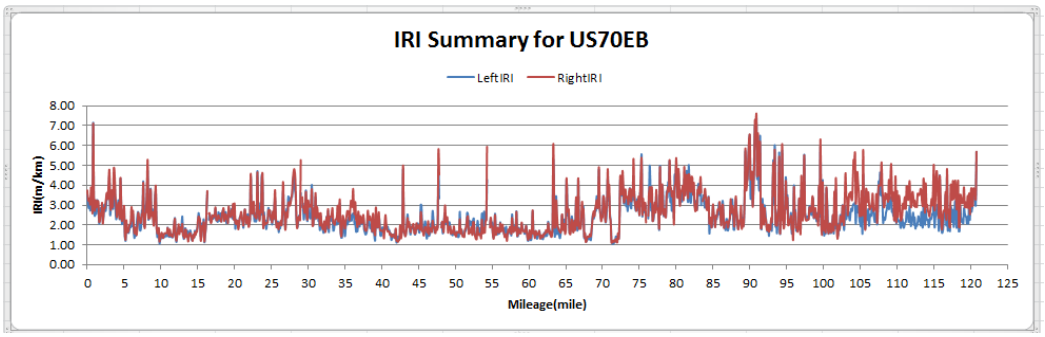
US70E (TO BENTON)

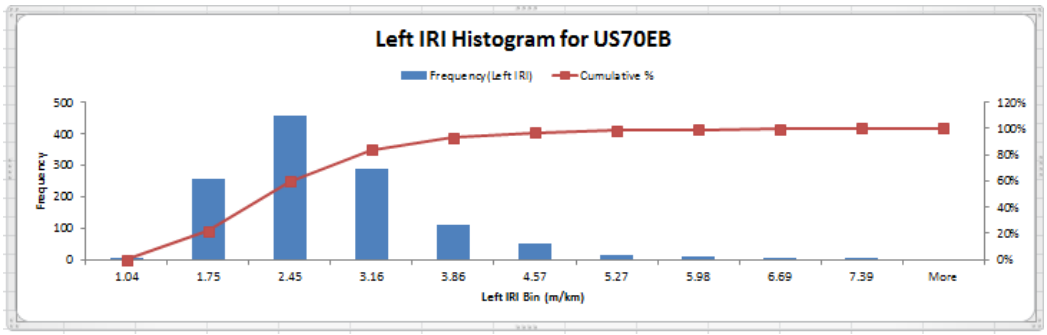
Route Description

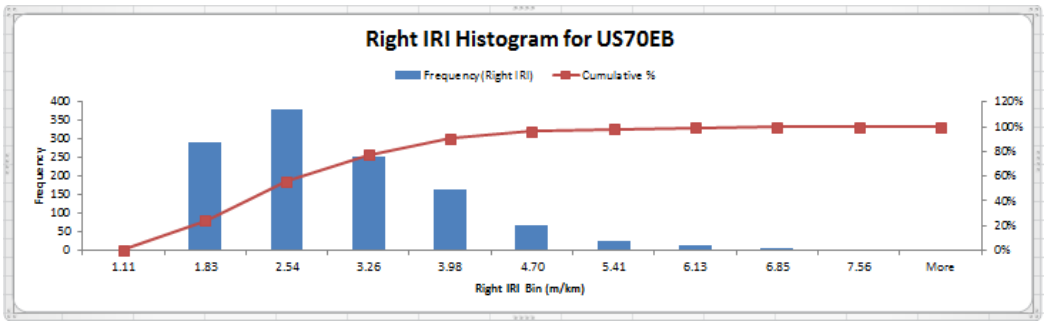
US70E (To Benton) data collection starts at GPS coordinate of33.427813,-94.041741, and ends at GPS coordinate of34.545558,-92.629639, with a total length of 121 miles.



IRI Data


IRI Summary for US70EB
LeftIRI
RightIRI
IRI(m/km)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125
Mileage(mile)


Left IRI Histogram for US70EB
Frequency(Left IRI)
Cumulative %
Frequency
500
400
300
200
100
0
120%
100%
80%
60%
40%
20%
0%
1.04 1.75 2.45 3.16 3.86 4.57 5.27 5.98 6.69 7.39 More
Left IRI Bin (m/km)


Right IRI Histogram for US70EB
Frequency(Right IRI)
Cumulative %
Frequency
400
350
300
250
200
150
100
50
0
120%
100%
80%
60%
40%
20%
0%
1.11 1.83 2.54 3.26 3.98 4.70 5.41 6.13 6.85 7.56 More
Right IRI Bin (m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	3.49	3.74
0.1	1	529	1057	3.03	3.30
0.2	2	1057	1585	2.85	3.20
0.3	3	1585	2113	3.16	3.34
0.4	4	2113	2641	2.72	3.04
0.5	5	2641	3169	3.13	3.89
0.6	6	3169	3697	3.14	3.44
0.7	7	3697	4225	2.88	2.66
0.8	8	4225	4753	7.16	7.11
0.9	9	4753	5281	2.72	3.07
1	10	5281	5809	2.45	2.71
1.1	11	5809	6337	2.65	3.26
1.2	12	6337	6865	2.56	2.89
1.3	13	6865	7393	3.26	3.13
1.4	14	7393	7921	3.23	3.22
1.5	15	7921	8449	2.83	3.17
1.6	16	8449	8977	2.08	2.15
1.7	17	8977	9505	2.34	2.22
1.8	18	9505	10033	2.85	2.58
1.9	19	10033	10561	2.72	2.56
2	20	10561	11089	2.83	3.12
2.1	21	11089	11617	2.19	2.08
2.2	22	11617	12145	2.44	2.54
2.3	23	12145	12673	3.02	2.85
2.4	24	12673	13201	2.85	2.84
2.5	25	13201	13729	2.71	3.20
2.6	26	13729	14257	3.19	3.55
2.7	27	14257	14785	3.60	3.62
2.8	28	14785	15313	3.45	3.32
2.9	29	15313	15841	3.52	4.23
3	30	15841	16369	4.47	4.75
3.1	31	16369	16897	2.52	3.16
3.2	32	16897	17425	2.86	2.77
3.3	33	17425	17953	3.02	3.76
3.4	34	17953	18481	2.85	2.89
3.5	35	18481	19009	2.82	3.33
3.6	36	19009	19537	4.18	4.86
3.7	37	19537	20065	4.26	4.63
3.8	38	20065	20593	3.08	3.55
3.9	39	20593	21121	2.30	3.04
4	40	21121	21649	2.46	2.40
4.1	41	21649	22177	2.55	2.80

4.2	42	22177	22705	3.25	3.01
4.3	43	22705	23233	2.86	3.13
4.4	44	23233	23761	2.34	2.35
4.5	45	23761	24289	4.35	4.37
4.6	46	24289	24817	3.01	3.19
4.7	47	24817	25345	2.06	2.21
4.8	48	25345	25873	2.26	2.65
4.9	49	25873	26401	2.38	2.52
5	50	26401	26929	2.82	2.94
5.1	51	26929	27457	1.41	1.55
5.2	52	27457	27985	1.20	1.26
5.3	53	27985	28513	2.07	2.24
5.4	54	28513	29041	1.64	1.65
5.5	55	29041	29569	1.82	1.64
5.6	56	29569	30097	1.60	1.71
5.7	57	30097	30625	1.76	1.96
5.8	58	30625	31153	1.92	2.04
5.9	59	31153	31681	1.89	2.12
6	60	31681	32209	2.33	2.91
6.1	61	32209	32737	1.94	2.22
6.2	62	32737	33265	2.52	2.72
6.3	63	33265	33793	1.67	2.00
6.4	64	33793	34321	1.34	1.57
6.5	65	34321	34849	1.75	1.88
6.6	66	34849	35377	1.46	1.64
6.7	67	35377	35905	2.09	1.50
6.8	68	35905	36433	2.49	1.97
6.9	69	36433	36961	2.65	2.60
7	70	36961	37489	2.11	2.42
7.1	71	37489	38017	1.78	2.34
7.2	72	38017	38545	1.72	2.10
7.3	73	38545	39073	1.90	2.19
7.4	74	39073	39601	2.73	2.56
7.5	75	39601	40129	2.61	2.54
7.6	76	40129	40657	4.20	4.13
7.7	77	40657	41185	2.06	2.07
7.8	78	41185	41713	1.92	1.84
7.9	79	41713	42241	2.89	2.56
8	80	42241	42769	3.08	2.64
8.1	81	42769	43297	3.49	3.95
8.2	82	43297	43825	4.73	5.26
8.3	83	43825	44353	2.31	2.38
8.4	84	44353	44881	3.04	2.87

8.5	85	44881	45409	2.70	2.36
8.6	86	45409	45937	3.83	3.79
8.7	87	45937	46465	2.73	2.46
8.8	88	46465	46993	2.81	2.56
8.9	89	46993	47521	2.74	2.65
9	90	47521	48049	2.07	1.97
9.1	91	48049	48577	2.59	2.27
9.2	92	48577	49105	3.51	3.35
9.3	93	49105	49633	3.68	3.94
9.4	94	49633	50161	2.08	1.96
9.5	95	50161	50689	1.38	1.58
9.6	96	50689	51217	1.77	1.69
9.7	97	51217	51745	1.81	1.84
9.8	98	51745	52273	1.08	1.17
9.9	99	52273	52801	1.26	1.46
10	100	52801	53329	1.31	1.47
10.1	101	53329	53857	1.58	1.62
10.2	102	53857	54385	1.48	1.36
10.3	103	54385	54913	1.34	1.35
10.4	104	54913	55441	1.40	1.53
10.5	105	55441	55969	1.39	1.58
10.6	106	55969	56497	1.44	1.59
10.7	107	56497	57025	1.58	1.60
10.8	108	57025	57553	1.44	1.59
10.9	109	57553	58081	1.87	1.85
11	110	58081	58609	1.62	1.64
11.1	111	58609	59137	1.40	1.46
11.2	112	59137	59665	1.71	1.78
11.3	113	59665	60193	1.40	1.48
11.4	114	60193	60721	1.56	1.46
11.5	115	60721	61249	1.38	1.52
11.6	116	61249	61777	1.38	1.40
11.7	117	61777	62305	1.55	1.75
11.8	118	62305	62833	2.06	2.12
11.9	119	62833	63361	2.33	2.30
12	120	63361	63889	1.36	1.42
12.1	121	63889	64417	1.14	1.21
12.2	122	64417	64945	1.49	1.50
12.3	123	64945	65473	1.79	1.68
12.4	124	65473	66001	1.87	2.04
12.5	125	66001	66529	1.64	1.54
12.6	126	66529	67057	1.87	1.89
12.7	127	67057	67585	1.94	1.72

12.8	0	1	529	1.93	1.69
12.9	1	529	1057	2.43	2.06
13	2	1057	1585	1.51	1.46
13.1	3	1585	2113	1.30	1.51
13.2	4	2113	2641	1.52	1.34
13.3	5	2641	3169	1.84	1.76
13.4	6	3169	3697	1.73	1.76
13.5	7	3697	4225	1.65	1.40
13.6	8	4225	4753	1.71	1.49
13.7	9	4753	5281	1.27	1.17
13.8	10	5281	5809	1.61	1.46
13.9	11	5809	6337	1.66	1.58
14	12	6337	6865	1.73	1.58
14.1	13	6865	7393	1.48	1.44
14.2	14	7393	7921	1.24	1.37
14.3	15	7921	8449	1.24	1.20
14.4	16	8449	8977	1.52	1.51
14.5	17	8977	9505	1.37	1.37
14.6	18	9505	10033	1.71	1.64
14.7	19	10033	10561	1.60	1.49
14.8	20	10561	11089	1.69	1.69
14.9	21	11089	11617	1.79	1.66
15	22	11617	12145	1.98	2.15
15.1	23	12145	12673	2.60	2.43
15.2	24	12673	13201	2.39	2.34
15.3	25	13201	13729	2.23	2.25
15.4	26	13729	14257	1.42	1.23
15.5	27	14257	14785	1.45	1.48
15.6	28	14785	15313	2.10	1.95
15.7	29	15313	15841	1.81	1.79
15.8	30	15841	16369	2.28	2.13
15.9	31	16369	16897	1.16	1.18
16	32	16897	17425	1.49	1.56
16.1	33	17425	17953	1.83	1.94
16.2	34	17953	18481	2.68	2.77
16.3	35	18481	19009	3.67	3.72
16.4					
16.5	0	1	529	2.26	2.56
16.6	1	529	1057	2.53	2.61
16.7	2	1057	1585	2.47	2.22
16.8	3	1585	2113	2.21	2.10
16.9	4	2113	2641	2.27	2.22
17	5	2641	3169	2.45	2.50

17.1	6	3169	3697	2.32	2.40
17.2	7	3697	4225	2.50	2.48
17.3	8	4225	4753	2.37	2.46
17.4	9	4753	5281	2.83	2.89
17.5	10	5281	5809	2.23	2.29
17.6	11	5809	6337	2.37	2.23
17.7	12	6337	6865	2.16	2.28
17.8	13	6865	7393	2.65	2.50
17.9	14	7393	7921	2.22	2.36
18	15	7921	8449	2.35	2.33
18.1	16	8449	8977	2.59	2.33
18.2	17	8977	9505	2.18	2.17
18.3	18	9505	10033	2.49	2.59
18.4	19	10033	10561	2.72	2.70
18.5	20	10561	11089	2.77	2.84
18.6	21	11089	11617	2.31	2.21
18.7	22	11617	12145	2.32	2.39
18.8	23	12145	12673	2.65	2.55
18.9	24	12673	13201	2.09	2.31
19	25	13201	13729	2.35	2.40
19.1	26	13729	14257	2.13	2.11
19.2	27	14257	14785	2.88	2.94
19.3	28	14785	15313	2.39	2.51
19.4	29	15313	15841	2.69	2.52
19.5	30	15841	16369	2.46	2.40
19.6	31	16369	16897	2.82	2.76
19.7	32	16897	17425	2.33	2.50
19.8	33	17425	17953	3.02	3.07
19.9	34	17953	18481	2.27	2.26
20	35	18481	19009	2.87	3.09
20.1	36	19009	19537	1.82	2.11
20.2	37	19537	20065	2.27	2.05
20.3	38	20065	20593	2.01	2.08
20.4	39	20593	21121	2.20	2.22
20.5	40	21121	21649	1.93	1.79
20.6	41	21649	22177	2.06	2.01
20.7	42	22177	22705	2.37	2.33
20.8	43	22705	23233	2.46	2.45
20.9	44	23233	23761	2.54	2.67
21	45	23761	24289	2.31	2.33
21.1	46	24289	24817	2.11	2.20
21.2	47	24817	25345	1.86	1.97
21.3	48	25345	25873	2.32	2.51

21.4	49	25873	26401	2.79	2.79
21.5	50	26401	26929	2.49	2.50
21.6	51	26929	27457	2.38	2.10
21.7	52	27457	27985	2.41	2.43
21.8	53	27985	28513	2.55	2.38
21.9	54	28513	29041	2.14	1.91
22	55	29041	29569	2.11	1.99
22.1	56	29569	30097	2.23	2.43
22.2	57	30097	30625	4.46	4.58
22.3	58	30625	31153	2.85	2.79
22.4	59	31153	31681	2.56	2.58
22.5	60	31681	32209	2.58	2.75
22.6	61	32209	32737	2.87	3.18
22.7	62	32737	33265	2.19	2.46
22.8	63	33265	33793	2.60	2.41
22.9	64	33793	34321	2.17	2.33
23	65	34321	34849	2.31	2.35
23.1	66	34849	35377	4.72	4.65
23.2	67	35377	35905	2.70	2.66
23.3	68	35905	36433	2.38	2.58
23.4	69	36433	36961	2.29	2.22
23.5	70	36961	37489	3.11	2.75
23.6	71	37489	38017	2.56	2.63
23.7	72	38017	38545	4.52	4.32
23.8	73	38545	39073	4.13	4.60
23.9	74	39073	39601	1.90	1.89
24	75	39601	40129	2.64	2.47
24.1	76	40129	40657	2.06	2.01
24.2	77	40657	41185	2.24	2.12
24.3	78	41185	41713	1.79	2.06
24.4	79	41713	42241	2.06	2.11
24.5	80	42241	42769	2.27	2.12
24.6	81	42769	43297	2.87	2.73
24.7	82	43297	43825	2.45	2.76
24.8	83	43825	44353	2.72	2.71
24.9	84	44353	44881	2.26	2.39
25	85	44881	45409	2.45	2.30
25.1	86	45409	45937	2.03	2.14
25.2	87	45937	46465	2.41	2.68
25.3	88	46465	46993	2.29	2.30
25.4	89	46993	47521	2.88	2.93
25.5	90	47521	48049	3.34	3.76
25.6	91	48049	48577	2.20	2.53

25.7	92	48577	49105	1.97	1.89
25.8	93	49105	49633	2.17	2.10
25.9	94	49633	50161	2.17	1.98
26	95	50161	50689	1.64	1.79
26.1	96	50689	51217	1.94	2.12
26.2	97	51217	51745	1.83	1.99
26.3	98	51745	52273	2.18	2.22
26.4	99	52273	52801	2.00	1.99
26.5	100	52801	53329	2.65	2.83
26.6	101	53329	53857	3.69	4.17
26.7	102	53857	54385	2.54	2.75
26.8	103	54385	54913	2.52	2.60
26.9	104	54913	55441	1.78	1.76
27	105	55441	55969	2.57	2.39
27.1	106	55969	56497	2.82	2.66
27.2	107	56497	57025	2.60	2.39
27.3	108	57025	57553	3.44	3.12
27.4	109	57553	58081	3.01	3.15
27.5	110	58081	58609	3.37	2.97
27.6	111	58609	59137	3.12	3.10
27.7	112	59137	59665	3.39	3.36
27.8	113	59665	60193	3.41	3.58
27.9	114	60193	60721	3.85	4.21
28	115	60721	61249	4.43	4.63
28.1	116	61249	61777	4.18	4.82
28.2	117	61777	62305	3.73	4.61
28.3	118	62305	62833	3.50	3.86
28.4	119	62833	63361	2.29	2.44
28.5	120	63361	63889	1.88	1.83
28.6	121	63889	64417	1.97	2.18
28.7	122	64417	64945	2.36	2.41
28.8	123	64945	65473	2.50	2.41
28.9	124	65473	66001	2.40	2.25
29	125	66001	66529	3.61	5.27
29.1					
29.2	0	1	529	2.90	3.41
29.3	1	529	1057	3.08	2.87
29.4	2	1057	1585	2.29	2.94
29.5	3	1585	2113	2.60	2.60
29.6	4	2113	2641	2.76	2.79
29.7	5	2641	3169	3.74	3.67
29.8	6	3169	3697	2.33	2.63
29.9	7	3697	4225	2.19	2.27

30	8	4225	4753	2.84	3.22
30.1	9	4753	5281	2.45	2.91
30.2	10	5281	5809	2.39	3.02
30.3	11	5809	6337	2.33	2.93
30.4	12	6337	6865	3.04	2.93
30.5	13	6865	7393	4.00	3.79
30.6	14	7393	7921	2.07	1.95
30.7	15	7921	8449	2.00	2.00
30.8	16	8449	8977	2.61	2.84
30.9	17	8977	9505	2.32	2.47
31	18	9505	10033	3.41	3.62
31.1	19	10033	10561	2.55	2.34
31.2	20	10561	11089	2.52	2.91
31.3	21	11089	11617	2.56	2.63
31.4	22	11617	12145	2.19	2.37
31.5	23	12145	12673	2.18	2.57
31.6	24	12673	13201	1.74	1.97
31.7	25	13201	13729	2.44	2.60
31.8	26	13729	14257	2.04	2.14
31.9	27	14257	14785	1.88	1.93
32	28	14785	15313	1.75	1.78
32.1	29	15313	15841	1.61	1.90
32.2	30	15841	16369	1.98	2.19
32.3	31	16369	16897	1.67	1.64
32.4	32	16897	17425	1.79	1.82
32.5	33	17425	17953	2.42	2.39
32.6	34	17953	18481	1.82	2.03
32.7	35	18481	19009	2.71	2.80
32.8	36	19009	19537	1.64	1.84
32.9	37	19537	20065	2.42	2.34
33	38	20065	20593	2.42	2.42
33.1	39	20593	21121	2.21	2.40
33.2	40	21121	21649	2.28	2.62
33.3	41	21649	22177	2.43	2.84
33.4	42	22177	22705	1.72	2.11
33.5	43	22705	23233	1.75	2.09
33.6	44	23233	23761	2.12	2.01
33.7	45	23761	24289	2.09	2.28
33.8	46	24289	24817	2.03	2.29
33.9	47	24817	25345	2.02	2.38
34	48	25345	25873	2.46	2.97
34.1	49	25873	26401	2.10	2.18
34.2	50	26401	26929	2.43	2.59

34.3	51	26929	27457	3.09	3.28
34.4	52	27457	27985	1.71	1.84
34.5	53	27985	28513	1.36	1.42
34.6	54	28513	29041	1.37	1.84
34.7	55	29041	29569	1.97	2.46
34.8	56	29569	30097	1.88	2.33
34.9	57	30097	30625	1.73	2.02
35	58	30625	31153	1.44	1.82
35.1	59	31153	31681	1.86	2.18
35.2	60	31681	32209	2.26	2.43
35.3	61	32209	32737	2.03	2.70
35.4	62	32737	33265	2.10	2.71
35.5	63	33265	33793	2.39	2.55
35.6	64	33793	34321	2.18	2.24
35.7	65	34321	34849	2.47	2.71
35.8	66	34849	35377	2.49	3.22
35.9	67	35377	35905	2.21	3.04
36	68	35905	36433	2.56	2.92
36.1	69	36433	36961	2.43	3.82
36.2	70	36961	37489	2.59	2.97
36.3	71	37489	38017	2.04	2.54
36.4	72	38017	38545	2.16	3.16
36.5	73	38545	39073	1.66	2.28
36.6	74	39073	39601	1.85	2.20
36.7	75	39601	40129	1.69	1.91
36.8	76	40129	40657	2.21	2.67
36.9	77	40657	41185	2.25	2.39
37	78	41185	41713	1.92	2.03
37.1	79	41713	42241	2.33	2.46
37.2	80	42241	42769	2.05	2.26
37.3	81	42769	43297	2.08	2.10
37.4	82	43297	43825	2.33	2.29
37.5	83	43825	44353	2.38	2.51
37.6	84	44353	44881	1.78	2.07
37.7	85	44881	45409	1.63	1.77
37.8	86	45409	45937	1.52	1.72
37.9	87	45937	46465	1.57	1.71
38	88	46465	46993	1.79	1.92
38.1	89	46993	47521	2.58	2.72
38.2	90	47521	48049	2.01	2.29
38.3	91	48049	48577	2.19	2.26
38.4	92	48577	49105	1.84	2.44
38.5	93	49105	49633	1.96	2.23

38.6	94	49633	50161	1.78	2.29
38.7	95	50161	50689	1.65	1.67
38.8	96	50689	51217	2.00	2.58
38.9	97	51217	51745	1.77	2.11
39	98	51745	52273	1.40	1.63
39.1	99	52273	52801	1.23	1.49
39.2	100	52801	53329	2.51	2.88
39.3	101	53329	53857	1.86	2.24
39.4	102	53857	54385	1.88	1.88
39.5	103	54385	54913	1.88	2.04
39.6	104	54913	55441	2.37	2.65
39.7	105	55441	55969	2.19	1.96
39.8	106	55969	56497	1.49	1.71
39.9	107	56497	57025	1.45	1.73
40	108	57025	57553	1.64	1.71
40.1	109	57553	58081	1.89	1.69
40.2	110	58081	58609	1.72	1.76
40.3	111	58609	59137	1.71	1.32
40.4	112	59137	59665	1.84	1.98
40.5	113	59665	60193	1.95	2.51
40.6	114	60193	60721	1.80	2.10
40.7	115	60721	61249	1.81	1.78
40.8	116	61249	61777	1.92	1.68
40.9	117	61777	62305	1.74	1.66
41	118	62305	62833	1.75	1.68
41.1	119	62833	63361	1.62	1.50
41.2	120	63361	63889	1.58	1.56
41.3	121	63889	64417	1.24	1.43
41.4	122	64417	64945	1.42	1.41
41.5	123	64945	65473	1.53	1.52
41.6	124	65473	66001	1.37	1.47
41.7	125	66001	66529	1.55	1.44
41.8	126	66529	67057	1.52	1.34
41.9	127	67057	67585	1.77	1.82
42	128	67585	68113	1.12	1.20
42.1	129	68113	68641	1.17	1.23
42.2	130	68641	69169	1.42	1.15
42.3	131	69169	69697	1.25	1.23
42.4	132	69697	70225	1.33	1.30
42.5	133	70225	70753	1.57	2.00
42.6	134	70753	71281	1.54	1.34
42.7	135	71281	71809	1.85	1.54
42.8	136	71809	72337	1.69	1.80

42.9	137	72337	72865	4.82	5.00
43	138	72865	73393	1.61	1.91
43.1	139	73393	73921	1.66	1.59
43.2	140	73921	74449	1.44	1.43
43.3	141	74449	74977	1.64	1.62
43.4	142	74977	75505	1.97	1.89
43.5	143	75505	76033	2.54	2.36
43.6	144	76033	76561	2.14	1.90
43.7	145	76561	77089	2.07	2.16
43.8	146	77089	77617	1.75	1.92
43.9	147	77617	78145	1.52	1.63
44	148	78145	78673	1.78	1.86
44.1	149	78673	79201	1.95	1.90
44.2	150	79201	79729	1.92	1.99
44.3	151	79729	80257	1.81	2.05
44.4	152	80257	80785	1.86	1.60
44.5	153	80785	81313	1.51	1.57
44.6	154	81313	81841	1.66	1.60
44.7	155	81841	82369	1.94	2.09
44.8	156	82369	82897	1.80	1.83
44.9	157	82897	83425	2.09	1.94
45	158	83425	83953	1.80	1.99
45.1	159	83953	84481	1.61	1.83
45.2	160	84481	85009	1.85	1.75
45.3	161	85009	85537	3.02	2.64
45.4	162	85537	86065	2.97	2.33
45.5	163	86065	86593	1.73	1.68
45.6	164	86593	87121	1.81	1.68
45.7	165	87121	87649	1.52	1.47
45.8	166	87649	88177	2.01	1.76
45.9	167	88177	88705	2.19	1.90
46	168	88705	89233	1.79	1.80
46.1	169	89233	89761	1.32	1.71
46.2	170	89761	90289	1.49	1.62
46.3	171	90289	90817	1.77	2.20
46.4	172	90817	91345	1.46	1.53
46.5	173	91345	91873	1.51	1.84
46.6	174	91873	92401	1.68	1.79
46.7	175	92401	92929	2.09	1.83
46.8	176	92929	93457	1.94	1.65
46.9	177	93457	93985	2.71	2.21
47	178	93985	94513	2.36	1.95
47.1	179	94513	95041	1.83	1.90

47.2	180	95041	95569	1.61	1.76
47.3	181	95569	96097	1.77	1.59
47.4	182	96097	96625	1.78	1.93
47.5	183	96625	97153	1.84	1.74
47.6	184	97153	97681	1.89	1.89
47.7	185	97681	98209	4.79	5.75
47.8	186	98209	98737	3.33	4.53
47.9					
48					
48.1	0	1	529	2.11	1.88
48.2	1	529	1057	1.84	2.18
48.3	2	1057	1585	1.58	2.02
48.4	3	1585	2113	1.83	1.64
48.5	4	2113	2641	2.46	2.26
48.6	5	2641	3169	2.60	2.99
48.7	6	3169	3697	2.04	2.17
48.8	7	3697	4225	2.34	2.20
48.9	8	4225	4753	2.19	2.38
49	9	4753	5281	1.97	1.62
49.1	10	5281	5809	2.07	1.83
49.2	11	5809	6337	2.14	1.83
49.3	12	6337	6865	1.84	1.93
49.4	13	6865	7393	1.54	1.57
49.5	14	7393	7921	1.62	1.72
49.6	15	7921	8449	1.48	1.60
49.7	16	8449	8977	1.54	1.66
49.8	17	8977	9505	1.76	1.94
49.9	18	9505	10033	1.67	1.51
50	19	10033	10561	1.61	1.60
50.1	20	10561	11089	1.43	1.42
50.2	21	11089	11617	1.66	1.65
50.3	22	11617	12145	1.51	1.63
50.4	23	12145	12673	1.39	1.62
50.5	24	12673	13201	1.44	1.68
50.6	25	13201	13729	2.67	2.29
50.7	26	13729	14257	1.70	1.58
50.8	27	14257	14785	1.78	1.78
50.9	28	14785	15313	1.69	1.55
51	29	15313	15841	1.48	1.42
51.1	30	15841	16369	1.45	1.44
51.2	31	16369	16897	1.43	1.39
51.3	32	16897	17425	1.71	1.77
51.4	33	17425	17953	1.70	1.82

51.5	34	17953	18481	2.10	2.05
51.6	35	18481	19009	2.62	2.38
51.7	36	19009	19537	2.55	2.44
51.8	37	19537	20065	1.71	1.56
51.9	38	20065	20593	2.21	1.59
52	39	20593	21121	2.12	1.61
52.1	40	21121	21649	2.00	1.79
52.2	41	21649	22177	2.17	1.87
52.3	42	22177	22705	1.58	1.50
52.4	43	22705	23233	2.25	2.14
52.5	44	23233	23761	2.33	2.15
52.6	45	23761	24289	1.52	1.61
52.7	46	24289	24817	1.51	1.41
52.8	47	24817	25345	1.43	1.29
52.9	48	25345	25873	1.49	1.28
53	49	25873	26401	2.19	1.88
53.1	50	26401	26929	1.99	1.57
53.2	51	26929	27457	1.61	1.49
53.3	52	27457	27985	1.84	1.56
53.4	53	27985	28513	1.64	1.48
53.5	54	28513	29041	1.47	1.34
53.6	55	29041	29569	2.57	2.27
53.7	56	29569	30097	2.20	1.59
53.8	57	30097	30625	1.88	1.59
53.9	58	30625	31153	2.68	1.87
54	59	31153	31681	2.18	1.62
54.1	60	31681	32209	2.41	2.21
54.2	61	32209	32737	2.28	2.23
54.3	62	32737	33265	4.28	5.94
54.4					
54.5					
54.6					
54.7	0	1	529	2.04	1.87
54.8	1	529	1057	2.32	2.38
54.9	2	1057	1585	2.02	2.02
55	3	1585	2113	2.13	1.88
55.1	4	2113	2641	1.46	1.49
55.2	5	2641	3169	1.37	1.31
55.3	6	3169	3697	1.95	1.87
55.4	7	3697	4225	2.57	2.51
55.5	8	4225	4753	1.56	1.51
55.6	9	4753	5281	1.72	1.64
55.7	10	5281	5809	1.53	1.86

55.8	11	5809	6337	1.55	1.80
55.9	12	6337	6865	1.64	1.62
56	13	6865	7393	1.58	1.70
56.1	14	7393	7921	2.14	2.09
56.2	15	7921	8449	1.75	1.67
56.3	16	8449	8977	1.80	1.85
56.4	17	8977	9505	1.83	2.03
56.5	18	9505	10033	1.85	1.75
56.6	19	10033	10561	1.55	1.59
56.7	20	10561	11089	1.84	1.39
56.8	21	11089	11617	1.63	1.53
56.9	22	11617	12145	1.92	1.52
57	23	12145	12673	1.42	1.20
57.1	24	12673	13201	1.58	1.60
57.2	25	13201	13729	1.56	1.78
57.3	26	13729	14257	1.71	1.65
57.4	27	14257	14785	1.82	1.90
57.5	28	14785	15313	1.88	1.91
57.6	29	15313	15841	1.48	1.56
57.7	30	15841	16369	2.54	2.36
57.8	31	16369	16897	1.86	1.87
57.9	32	16897	17425	1.67	1.64
58	33	17425	17953	1.96	1.88
58.1	34	17953	18481	1.72	1.81
58.2	35	18481	19009	1.88	1.72
58.3	36	19009	19537	2.70	2.67
58.4	37	19537	20065	1.43	1.46
58.5	38	20065	20593	1.43	1.56
58.6	39	20593	21121	1.87	1.82
58.7	40	21121	21649	1.56	1.61
58.8	41	21649	22177	1.80	1.63
58.9	42	22177	22705	1.71	1.58
59	43	22705	23233	2.07	2.12
59.1	44	23233	23761	1.88	1.87
59.2	45	23761	24289	1.78	1.69
59.3	46	24289	24817	1.69	1.71
59.4	47	24817	25345	1.56	1.64
59.5	48	25345	25873	1.66	1.67
59.6	49	25873	26401	1.96	1.96
59.7	50	26401	26929	1.77	1.64
59.8	51	26929	27457	1.26	1.37
59.9	52	27457	27985	1.20	1.25
60	53	27985	28513	1.57	1.54

60.1	54	28513	29041	1.54	1.74
60.2	55	29041	29569	1.24	1.34
60.3	56	29569	30097	1.25	1.57
60.4	57	30097	30625	1.64	1.76
60.5	58	30625	31153	2.71	2.74
60.6	59	31153	31681	1.68	1.57
60.7	60	31681	32209	1.66	1.67
60.8	61	32209	32737	1.41	1.34
60.9	62	32737	33265	1.70	1.69
61	63	33265	33793	1.46	1.57
61.1	64	33793	34321	1.30	1.50
61.2	65	34321	34849	1.43	1.59
61.3	66	34849	35377	1.51	1.57
61.4	67	35377	35905	1.71	1.70
61.5	68	35905	36433	1.47	1.32
61.6	69	36433	36961	1.32	1.37
61.7	70	36961	37489	1.40	1.49
61.8	71	37489	38017	1.34	1.40
61.9	72	38017	38545	1.28	1.39
62	73	38545	39073	1.46	1.55
62.1	74	39073	39601	1.62	1.55
62.2	75	39601	40129	1.43	1.56
62.3	76	40129	40657	1.55	1.74
62.4	77	40657	41185	1.44	1.66
62.5	78	41185	41713	1.58	1.64
62.6	79	41713	42241	2.17	2.09
62.7	80	42241	42769	1.87	1.82
62.8	81	42769	43297	1.71	1.56
62.9	82	43297	43825	1.48	1.67
63	83	43825	44353	1.49	1.40
63.1	84	44353	44881	1.59	1.43
63.2	85	44881	45409	1.69	1.96
63.3	86	45409	45937	5.23	6.05
63.4	87	45937	46465	4.01	3.91
63.5	88	46465	46993	1.48	1.87
63.6	89	46993	47521	2.02	1.88
63.7	90	47521	48049	3.45	3.23
63.8	91	48049	48577	1.55	2.58
63.9	92	48577	49105	1.70	1.98
64	93	49105	49633	1.79	1.83
64.1	94	49633	50161	1.51	1.72
64.2	95	50161	50689	1.33	1.66
64.3	96	50689	51217	1.54	1.62

64.4	97	51217	51745	1.93	1.93
64.5	98	51745	52273	2.51	2.54
64.6	99	52273	52801	1.94	1.76
64.7	100	52801	53329	2.09	1.75
64.8	101	53329	53857	2.27	2.06
64.9	102	53857	54385	1.69	1.55
65	103	54385	54913	1.77	1.75
65.1	104	54913	55441	4.25	4.34
65.2	105	55441	55969	3.15	3.05
65.3	106	55969	56497	2.47	2.65
65.4	107	56497	57025	2.71	2.78
65.5	108	57025	57553	1.59	1.60
65.6	109	57553	58081	1.62	1.52
65.7	110	58081	58609	1.87	1.76
65.8	111	58609	59137	2.43	2.27
65.9	112	59137	59665	2.17	2.03
66	113	59665	60193	1.74	1.63
66.1	114	60193	60721	1.93	1.76
66.2	115	60721	61249	2.24	2.22
66.3	116	61249	61777	1.83	1.78
66.4	117	61777	62305	3.25	3.41
66.5	118	62305	62833	2.23	2.04
66.6	119	62833	63361	1.77	1.97
66.7	120	63361	63889	4.33	4.36
66.8	121	63889	64417	1.86	1.81
66.9	122	64417	64945	1.92	1.97
67	123	64945	65473	1.88	1.81
67.1	124	65473	66001	2.20	2.19
67.2	125	66001	66529	2.66	3.16
67.3	126	66529	67057	2.38	2.79
67.4	127	67057	67585	2.91	2.82
67.5	128	67585	68113	1.36	1.41
67.6	129	68113	68641	1.55	1.59
67.7	130	68641	69169	1.17	1.15
67.8	131	69169	69697	1.17	1.18
67.9	132	69697	70225	1.26	1.37
68	133	70225	70753	1.31	1.43
68.1	134	70753	71281	1.28	1.40
68.2	135	71281	71809	1.29	1.43
68.3	136	71809	72337	1.38	1.55
68.4	137	72337	72865	1.24	1.43
68.5	138	72865	73393	1.67	1.79
68.6	139	73393	73921	2.27	2.14

68.7	140	73921	74449	2.55	2.55
68.8	141	74449	74977	2.32	2.69
68.9	142	74977	75505	2.53	2.44
69	143	75505	76033	2.78	2.85
69.1	144	76033	76561	2.71	3.02
69.2	145	76561	77089	3.46	3.25
69.3	146	77089	77617	2.86	2.84
69.4	147	77617	78145	3.30	3.12
69.5	148	78145	78673	4.81	4.91
69.6	149	78673	79201	2.87	3.06
69.7	150	79201	79729	2.54	2.55
69.8	151	79729	80257	2.31	2.18
69.9	152	80257	80785	2.58	2.35
70	153	80785	81313	2.74	2.40
70.1	154	81313	81841	3.47	3.45
70.2	155	81841	82369	3.08	3.38
70.3	156	82369	82897	2.65	2.79
70.4	157	82897	83425	2.12	2.15
70.5	158	83425	83953	2.32	2.76
70.6	159	83953	84481	3.08	3.04
70.7	160	84481	85009	4.37	4.82
70.8	161	85009	85537	3.24	3.44
70.9	162	85537	86065	3.44	4.01
71	163	86065	86593	2.54	2.40
71.1	164	86593	87121	2.18	2.20
71.2	165	87121	87649	1.29	1.11
71.3	166	87649	88177	1.10	1.21
71.4	167	88177	88705	1.04	1.13
71.5	168	88705	89233	1.09	1.23
71.6	169	89233	89761	1.11	1.22
71.7	170	89761	90289	1.17	1.16
71.8	171	90289	90817	1.42	1.30
71.9	172	90817	91345	1.32	1.25
72	173	91345	91873	1.17	1.13
72.1	174	91873	92401	1.56	1.59
72.2	175	92401	92929	1.32	1.31
72.3	176	92929	93457	2.16	2.21
72.4	177	93457	93985	4.27	4.45
72.5	178	93985	94513	4.13	4.11
72.6	179	94513	95041	3.49	3.55
72.7	180	95041	95569	4.30	4.71
72.8	181	95569	96097	3.43	4.16
72.9	182	96097	96625	3.08	3.15

73	183	96625	97153	3.60	3.29
73.1	184	97153	97681	3.44	3.80
73.2	185	97681	98209	2.94	3.36
73.3	186	98209	98737	3.25	3.44
73.4	187	98737	99265	2.70	3.32
73.5	188	99265	99793	3.24	3.05
73.6	189	99793	100321	3.24	3.68
73.7	190	100321	100849	3.86	3.83
73.8	191	100849	101377	2.93	3.33
73.9	192	101377	101905	2.84	3.20
74	193	101905	102433	3.65	3.81
74.1	194	102433	102961	3.27	3.50
74.2	195	102961	103489	3.98	5.33
74.3	196	103489	104017	3.66	3.63
74.4	197	104017	104545	3.04	3.12
74.5	198	104545	105073	2.72	2.89
74.6	199	105073	105601	2.78	2.71
74.7	200	105601	106129	3.30	3.19
74.8	201	106129	106657	2.75	2.97
74.9	202	106657	107185	3.26	3.44
75	203	107185	107713	2.49	2.50
75.1	204	107713	108241	3.63	3.62
75.2	205	108241	108769	3.81	4.52
75.3	206	108769	109297	5.55	5.32
75.4	207	109297	109825	2.45	2.56
75.5	208	109825	110353	2.68	3.33
75.6	209	110353	110881	2.64	2.75
75.7	210	110881	111409	2.99	3.02
75.8	211	111409	111937	3.01	3.11
75.9	212	111937	112465	2.85	2.13
76					
76.1					
76.2	0	1	529	2.33	2.47
76.3	1	529	1057	3.41	3.59
76.4	2	1057	1585	5.00	3.92
76.5	3	1585	2113	3.99	3.59
76.6	4	2113	2641	2.73	3.17
76.7	5	2641	3169	3.39	3.90
76.8	6	3169	3697	2.21	2.20
76.9	7	3697	4225	2.22	2.34
77	8	4225	4753	2.60	2.85
77.1	9	4753	5281	2.77	3.13
77.2	10	5281	5809	2.71	2.63

77.3	11	5809	6337	3.55	3.78
77.4	12	6337	6865	3.05	2.79
77.5	13	6865	7393	2.85	2.85
77.6	14	7393	7921	2.72	2.46
77.7	15	7921	8449	1.82	1.87
77.8	16	8449	8977	4.98	4.93
77.9	17	8977	9505	2.58	2.59
78	18	9505	10033	2.89	2.93
78.1	19	10033	10561	3.99	4.05
78.2	20	10561	11089	3.64	2.98
78.3	21	11089	11617	2.47	2.50
78.4	22	11617	12145	2.71	2.80
78.5	23	12145	12673	2.55	2.43
78.6	24	12673	13201	2.42	2.38
78.7	25	13201	13729	3.67	3.47
78.8	26	13729	14257	3.38	3.71
78.9	27	14257	14785	4.16	3.91
79	28	14785	15313	4.16	3.70
79.1	29	15313	15841	5.21	5.28
79.2	30	15841	16369	3.18	3.96
79.3	31	16369	16897	3.80	3.85
79.4	32	16897	17425	2.71	3.43
79.5	33	17425	17953	3.48	3.71
79.6	34	17953	18481	3.63	3.32
79.7	35	18481	19009	2.35	2.03
79.8	36	19009	19537	4.51	3.95
79.9	37	19537	20065	4.09	4.08
80	38	20065	20593	5.03	5.37
80.1	39	20593	21121	3.84	4.31
80.2	40	21121	21649	3.44	3.37
80.3	41	21649	22177	4.68	4.80
80.4	42	22177	22705	3.54	4.24
80.5	43	22705	23233	3.05	2.97
80.6	44	23233	23761	3.57	3.62
80.7	45	23761	24289	3.33	3.72
80.8	46	24289	24817	3.19	3.81
80.9	47	24817	25345	3.93	3.96
81	48	25345	25873	3.33	3.27
81.1	49	25873	26401	4.35	4.94
81.2	50	26401	26929	3.55	3.52
81.3	51	26929	27457	4.26	4.04
81.4	52	27457	27985	4.73	4.53
81.5	53	27985	28513	4.19	4.42

81.6	54	28513	29041	3.17	3.34
81.7	55	29041	29569	5.01	4.56
81.8	56	29569	30097	3.94	4.49
81.9	57	30097	30625	3.19	3.73
82	58	30625	31153	3.12	3.68
82.1	59	31153	31681	3.74	4.44
82.2	60	31681	32209	4.02	4.36
82.3	61	32209	32737	3.55	3.53
82.4	62	32737	33265	3.57	4.14
82.5	63	33265	33793	3.00	3.03
82.6	64	33793	34321	2.85	2.69
82.7	65	34321	34849	3.21	3.05
82.8	66	34849	35377	2.76	2.76
82.9	67	35377	35905	2.97	3.77
83	68	35905	36433	4.05	3.75
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83.2	70	36961	37489	3.50	3.57
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83.5					
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83.9	3	1585	2113	2.87	3.83
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84.1	5	2641	3169	3.08	2.86
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85.4	18	9505	10033	2.47	2.45
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85.8	22	11617	12145	3.11	2.77

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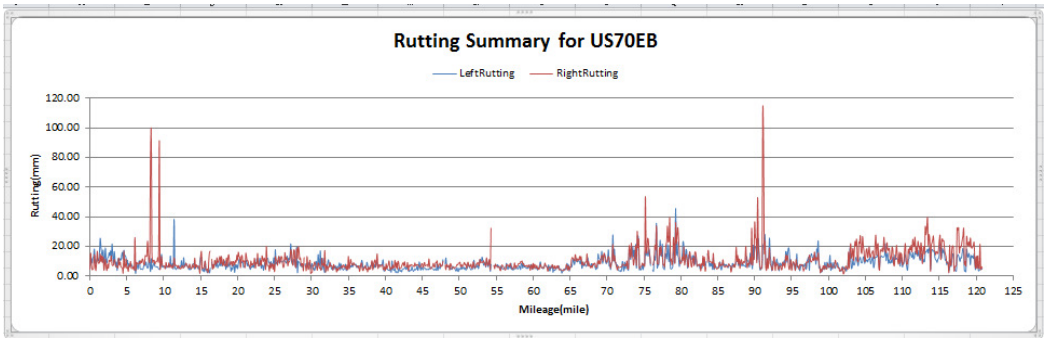
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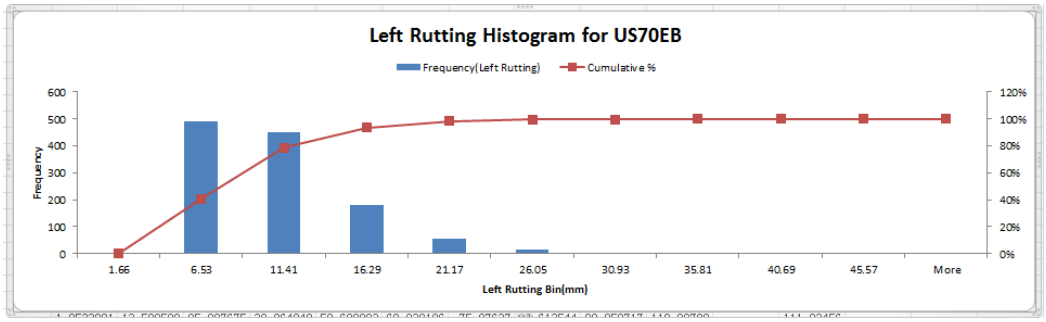
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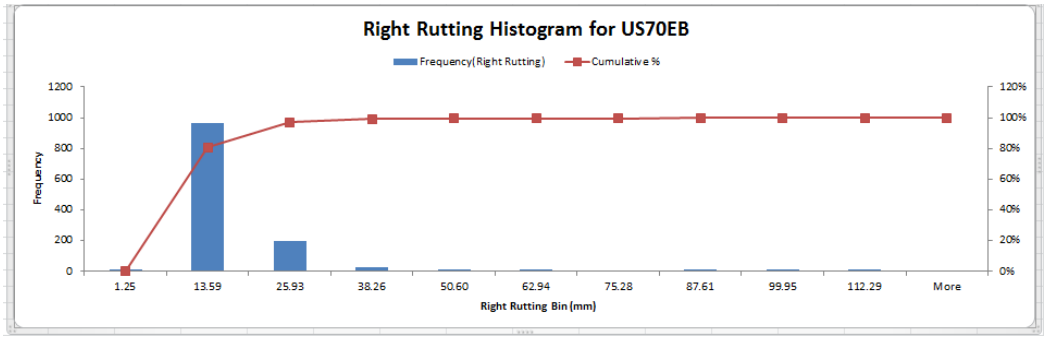
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118.5	349	184273	184801	1.70	1.87
118.6	350	184801	185329	2.95	3.53
118.7	351	185329	185857	2.17	3.43
118.8	352	185857	186385	2.31	3.12
118.9	353	186385	186913	2.17	3.10
119	354	186913	187441	2.08	3.29
119.1	355	187441	187969	2.84	3.90
119.2	356	187969	188497	2.59	2.91
119.3	357	188497	189025	2.44	3.15
119.4	358	189025	189553	2.39	3.12
119.5	359	189553	190081	2.07	2.89
119.6	360	190081	190609	2.43	3.47
119.7	361	190609	191137	2.08	2.85
119.8	362	191137	191665	3.11	3.59
119.9	363	191665	192193	2.26	2.54
120	364	192193	192721	3.29	3.28
120.1	365	192721	193249	2.68	3.86
120.2	366	193249	193777	2.81	2.96

120.3	367	193777	194305	3.03	3.02
120.4	368	194305	194833	3.81	3.84
120.5	369	194833	195361	3.70	3.58
120.6	370	195361	195889	3.64	3.81
120.7	371	195889	196417	3.03	3.33
120.8	372	196417	196945	5.68	5.70

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	4.56	4.45
0.1	1	529	1057	10.73	15.42
0.2	2	1057	1585	11.86	7.97
0.3	3	1585	2113	8.50	4.12
0.4	4	2113	2641	12.23	4.29
0.5	5	2641	3169	13.18	5.16
0.6	6	3169	3697	18.22	14.35
0.7	7	3697	4225	10.81	8.21
0.8	8	4225	4753	7.92	3.49
0.9	9	4753	5281	9.80	8.91
1	10	5281	5809	11.80	16.72
1.1	11	5809	6337	11.70	9.62
1.2	12	6337	6865	10.00	8.33
1.3	13	6865	7393	15.66	8.97
1.4	14	7393	7921	25.50	14.82
1.5	15	7921	8449	19.31	9.53
1.6	16	8449	8977	15.30	13.58
1.7	17	8977	9505	13.47	8.90
1.8	18	9505	10033	17.44	12.93
1.9	19	10033	10561	8.23	3.82
2	20	10561	11089	11.41	7.47
2.1	21	11089	11617	18.94	11.19
2.2	22	11617	12145	9.36	5.67
2.3	23	12145	12673	8.57	3.51
2.4	24	12673	13201	12.31	7.99
2.5	25	13201	13729	12.66	5.06
2.6	26	13729	14257	15.73	10.61
2.7	27	14257	14785	13.69	9.70
2.8	28	14785	15313	16.95	9.99
2.9	29	15313	15841	11.16	13.51
3	30	15841	16369	21.62	7.18
3.1	31	16369	16897	13.22	6.84
3.2	32	16897	17425	8.72	7.36
3.3	33	17425	17953	16.48	11.09
3.4	34	17953	18481	11.21	9.49
3.5	35	18481	19009	6.12	6.47
3.6	36	19009	19537	9.43	6.16
3.7	37	19537	20065	3.56	6.42
3.8	38	20065	20593	11.12	5.37
3.9	39	20593	21121	11.77	12.14
4	40	21121	21649	10.05	7.33
4.1	41	21649	22177	11.65	9.49

4.2	42	22177	22705	10.60	5.93
4.3	43	22705	23233	13.99	5.66
4.4	44	23233	23761	15.89	5.29
4.5	45	23761	24289	11.14	2.00
4.6	46	24289	24817	17.43	16.73
4.7	47	24817	25345	13.79	5.52
4.8	48	25345	25873	13.80	6.47
4.9	49	25873	26401	11.66	11.33
5	50	26401	26929	7.88	5.04
5.1	51	26929	27457	10.63	5.89
5.2	52	27457	27985	4.46	2.90
5.3	53	27985	28513	8.33	7.24
5.4	54	28513	29041	6.44	6.15
5.5	55	29041	29569	7.62	9.77
5.6	56	29569	30097	8.21	5.05
5.7	57	30097	30625	6.27	5.12
5.8	58	30625	31153	6.13	4.81
5.9	59	31153	31681	6.28	6.41
6	60	31681	32209	5.96	4.12
6.1	61	32209	32737	4.44	25.95
6.2	62	32737	33265	1.66	4.02
6.3	63	33265	33793	8.77	9.09
6.4	64	33793	34321	6.89	8.40
6.5	65	34321	34849	4.49	8.01
6.6	66	34849	35377	8.11	7.90
6.7	67	35377	35905	10.26	9.59
6.8	68	35905	36433	5.09	8.13
6.9	69	36433	36961	4.30	10.30
7	70	36961	37489	4.81	8.80
7.1	71	37489	38017	4.23	11.54
7.2	72	38017	38545	4.52	10.82
7.3	73	38545	39073	6.98	7.59
7.4	74	39073	39601	7.46	7.56
7.5	75	39601	40129	6.90	13.78
7.6	76	40129	40657	9.43	13.23
7.7	77	40657	41185	6.35	13.21
7.8	78	41185	41713	5.14	23.54
7.9	79	41713	42241	5.83	15.28
8	80	42241	42769	12.30	9.99
8.1	81	42769	43297	8.69	8.86
8.2	82	43297	43825	2.78	78.24
8.3	83	43825	44353	11.77	98.49
8.4	84	44353	44881	4.65	15.35

8.5	85	44881	45409	6.15	8.98
8.6	86	45409	45937	7.63	10.40
8.7	87	45937	46465	8.92	10.64
8.8	88	46465	46993	6.42	7.88
8.9	89	46993	47521	6.30	9.41
9	90	47521	48049	5.92	9.49
9.1	91	48049	48577	6.19	10.08
9.2	92	48577	49105	5.86	12.44
9.3	93	49105	49633	4.78	9.36
9.4	94	49633	50161	4.28	91.53
9.5	95	50161	50689	5.27	4.38
9.6	96	50689	51217	7.49	6.90
9.7	97	51217	51745	14.61	13.15
9.8	98	51745	52273	6.01	7.54
9.9	99	52273	52801	5.82	6.87
10	100	52801	53329	6.69	6.47
10.1	101	53329	53857	6.26	6.44
10.2	102	53857	54385	5.17	4.74
10.3	103	54385	54913	5.24	9.12
10.4	104	54913	55441	6.97	6.76
10.5	105	55441	55969	6.23	5.85
10.6	106	55969	56497	6.59	5.74
10.7	107	56497	57025	5.88	8.83
10.8	108	57025	57553	5.84	6.05
10.9	109	57553	58081	13.52	7.45
11	110	58081	58609	7.16	5.85
11.1	111	58609	59137	6.45	5.40
11.2	112	59137	59665	8.39	7.33
11.3	113	59665	60193	4.88	5.63
11.4	114	60193	60721	38.34	12.25
11.5	115	60721	61249	5.96	8.27
11.6	116	61249	61777	4.60	6.65
11.7	117	61777	62305	4.27	7.21
11.8	118	62305	62833	5.92	6.65
11.9	119	62833	63361	5.19	5.22
12	120	63361	63889	4.86	7.12
12.1	121	63889	64417	5.18	4.97
12.2	122	64417	64945	6.80	5.46
12.3	123	64945	65473	6.14	4.58
12.4	124	65473	66001	10.36	5.70
12.5	125	66001	66529	5.75	7.05
12.6	126	66529	67057	6.27	5.44
12.7	127	67057	67585	12.35	5.35

12.8	0	1	529	6.14	7.00
12.9	1	529	1057	7.23	6.65
13	2	1057	1585	8.60	8.60
13.1	3	1585	2113	6.73	7.68
13.2	4	2113	2641	6.36	6.63
13.3	5	2641	3169	6.26	5.25
13.4	6	3169	3697	4.12	5.75
13.5	7	3697	4225	5.30	8.01
13.6	8	4225	4753	4.07	5.63
13.7	9	4753	5281	4.60	4.73
13.8	10	5281	5809	6.00	5.66
13.9	11	5809	6337	7.77	7.49
14	12	6337	6865	8.28	5.45
14.1	13	6865	7393	7.21	6.48
14.2	14	7393	7921	4.49	12.12
14.3	15	7921	8449	6.64	5.20
14.4	16	8449	8977	6.21	7.57
14.5	17	8977	9505	7.04	6.03
14.6	18	9505	10033	5.09	6.58
14.7	19	10033	10561	4.76	6.73
14.8	20	10561	11089	5.14	4.84
14.9	21	11089	11617	9.73	1.89
15	22	11617	12145	12.88	13.17
15.1	23	12145	12673	12.60	16.56
15.2	24	12673	13201	4.20	4.83
15.3	25	13201	13729	3.11	5.18
15.4	26	13729	14257	4.83	5.11
15.5	27	14257	14785	2.88	7.63
15.6	28	14785	15313	10.01	10.03
15.7	29	15313	15841	3.71	4.33
15.8	30	15841	16369	3.44	3.87
15.9	31	16369	16897	2.03	4.68
16	32	16897	17425	3.94	2.15
16.1	33	17425	17953	4.07	10.53
16.2	34	17953	18481	1.91	16.13
16.3	35	18481	19009	5.20	16.67
16.4					
16.5	0	1	529	9.41	11.28
16.6	1	529	1057	4.96	4.49
16.7	2	1057	1585	7.45	7.76
16.8	3	1585	2113	6.74	5.31
16.9	4	2113	2641	7.59	10.50
17	5	2641	3169	8.31	8.46

17.1	6	3169	3697	6.21	7.64
17.2	7	3697	4225	11.15	12.32
17.3	8	4225	4753	5.43	8.93
17.4	9	4753	5281	7.12	9.51
17.5	10	5281	5809	6.87	11.40
17.6	11	5809	6337	10.35	13.12
17.7	12	6337	6865	6.67	8.04
17.8	13	6865	7393	12.98	13.17
17.9	14	7393	7921	6.56	8.70
18	15	7921	8449	8.90	7.08
18.1	16	8449	8977	9.16	11.20
18.2	17	8977	9505	8.29	6.70
18.3	18	9505	10033	10.03	7.43
18.4	19	10033	10561	4.36	7.02
18.5	20	10561	11089	7.34	12.18
18.6	21	11089	11617	5.57	6.22
18.7	22	11617	12145	8.03	12.50
18.8	23	12145	12673	6.34	14.30
18.9	24	12673	13201	9.35	9.62
19	25	13201	13729	7.94	7.37
19.1	26	13729	14257	3.08	8.46
19.2	27	14257	14785	5.41	9.81
19.3	28	14785	15313	4.22	6.60
19.4	29	15313	15841	7.77	9.70
19.5	30	15841	16369	7.17	9.35
19.6	31	16369	16897	2.22	7.20
19.7	32	16897	17425	7.47	10.40
19.8	33	17425	17953	5.54	9.09
19.9	34	17953	18481	7.46	14.04
20	35	18481	19009	4.77	10.59
20.1	36	19009	19537	8.15	16.04
20.2	37	19537	20065	11.04	13.04
20.3	38	20065	20593	11.12	12.66
20.4	39	20593	21121	7.76	5.39
20.5	40	21121	21649	9.87	12.96
20.6	41	21649	22177	8.85	13.93
20.7	42	22177	22705	8.94	9.34
20.8	43	22705	23233	5.65	10.29
20.9	44	23233	23761	6.47	9.85
21	45	23761	24289	6.53	5.55
21.1	46	24289	24817	9.95	15.24
21.2	47	24817	25345	10.58	12.61
21.3	48	25345	25873	6.67	10.04

21.4	49	25873	26401	8.47	10.32
21.5	50	26401	26929	6.47	7.52
21.6	51	26929	27457	6.54	7.10
21.7	52	27457	27985	4.34	5.34
21.8	53	27985	28513	5.07	10.11
21.9	54	28513	29041	6.43	7.13
22	55	29041	29569	5.86	8.22
22.1	56	29569	30097	8.37	7.38
22.2	57	30097	30625	5.56	8.96
22.3	58	30625	31153	7.04	11.93
22.4	59	31153	31681	8.97	5.12
22.5	60	31681	32209	8.04	9.02
22.6	61	32209	32737	11.74	8.25
22.7	62	32737	33265	10.21	15.25
22.8	63	33265	33793	7.05	6.71
22.9	64	33793	34321	6.82	6.91
23	65	34321	34849	12.06	7.13
23.1	66	34849	35377	8.76	10.50
23.2	67	35377	35905	5.05	6.94
23.3	68	35905	36433	7.23	13.52
23.4	69	36433	36961	6.96	11.36
23.5	70	36961	37489	3.68	9.64
23.6	71	37489	38017	7.14	12.18
23.7	72	38017	38545	9.06	9.88
23.8	73	38545	39073	5.48	4.49
23.9	74	39073	39601	11.25	19.97
24	75	39601	40129	11.97	7.53
24.1	76	40129	40657	11.85	6.90
24.2	77	40657	41185	9.02	6.98
24.3	78	41185	41713	9.30	3.09
24.4	79	41713	42241	5.17	8.79
24.5	80	42241	42769	9.78	5.44
24.6	81	42769	43297	6.92	6.86
24.7	82	43297	43825	6.59	8.20
24.8	83	43825	44353	8.98	4.45
24.9	84	44353	44881	12.28	7.71
25	85	44881	45409	5.43	2.72
25.1	86	45409	45937	17.78	12.90
25.2	87	45937	46465	8.13	11.14
25.3	88	46465	46993	8.99	10.48
25.4	89	46993	47521	9.47	7.03
25.5	90	47521	48049	8.94	11.93
25.6	91	48049	48577	13.21	13.14

25.7	92	48577	49105	11.20	8.37
25.8	93	49105	49633	9.79	10.23
25.9	94	49633	50161	9.71	13.15
26	95	50161	50689	9.34	12.77
26.1	96	50689	51217	9.30	7.66
26.2	97	51217	51745	9.73	5.50
26.3	98	51745	52273	10.76	6.94
26.4	99	52273	52801	9.91	15.74
26.5	100	52801	53329	9.46	10.90
26.6	101	53329	53857	8.56	12.57
26.7	102	53857	54385	13.42	10.91
26.8	103	54385	54913	9.49	6.66
26.9	104	54913	55441	11.84	9.73
27	105	55441	55969	10.93	9.20
27.1	106	55969	56497	14.46	11.54
27.2	107	56497	57025	21.70	17.81
27.3	108	57025	57553	9.70	15.83
27.4	109	57553	58081	8.18	8.66
27.5	110	58081	58609	7.31	7.30
27.6	111	58609	59137	11.14	17.53
27.7	112	59137	59665	10.98	17.43
27.8	113	59665	60193	7.99	6.53
27.9	114	60193	60721	5.68	5.79
28	115	60721	61249	19.64	18.40
28.1	116	61249	61777	2.16	11.77
28.2	117	61777	62305	9.99	19.69
28.3	118	62305	62833	9.17	17.58
28.4	119	62833	63361	8.89	11.09
28.5	120	63361	63889	6.77	12.23
28.6	121	63889	64417	8.36	6.68
28.7	122	64417	64945	5.78	8.13
28.8	123	64945	65473	6.93	8.21
28.9	124	65473	66001	5.93	3.32
29	125	66001	66529	7.92	12.42
29.1					
29.2	0	1	529	8.04	7.07
29.3	1	529	1057	5.53	3.53
29.4	2	1057	1585	5.82	13.20
29.5	3	1585	2113	7.33	6.07
29.6	4	2113	2641	8.98	4.22
29.7	5	2641	3169	6.79	7.43
29.8	6	3169	3697	8.80	10.49
29.9	7	3697	4225	4.42	1.54

30	8	4225	4753	7.28	2.32
30.1	9	4753	5281	8.28	2.49
30.2	10	5281	5809	4.50	7.14
30.3	11	5809	6337	5.44	6.48
30.4	12	6337	6865	3.58	9.39
30.5	13	6865	7393	4.82	8.55
30.6	14	7393	7921	9.90	6.85
30.7	15	7921	8449	8.07	5.57
30.8	16	8449	8977	5.49	3.83
30.9	17	8977	9505	14.55	8.74
31	18	9505	10033	8.71	7.60
31.1	19	10033	10561	7.08	5.04
31.2	20	10561	11089	17.01	5.14
31.3	21	11089	11617	5.38	3.76
31.4	22	11617	12145	4.07	11.94
31.5	23	12145	12673	5.38	7.23
31.6	24	12673	13201	11.97	8.26
31.7	25	13201	13729	3.90	6.41
31.8	26	13729	14257	2.12	17.14
31.9	27	14257	14785	3.89	2.87
32	28	14785	15313	7.54	6.76
32.1	29	15313	15841	5.83	6.32
32.2	30	15841	16369	9.14	3.33
32.3	31	16369	16897	10.91	6.36
32.4	32	16897	17425	6.97	5.92
32.5	33	17425	17953	6.77	9.23
32.6	34	17953	18481	8.16	6.29
32.7	35	18481	19009	4.62	6.79
32.8	36	19009	19537	5.31	6.60
32.9	37	19537	20065	3.84	3.93
33	38	20065	20593	6.61	7.73
33.1	39	20593	21121	4.68	5.77
33.2	40	21121	21649	6.92	6.05
33.3	41	21649	22177	5.99	5.44
33.4	42	22177	22705	4.30	2.52
33.5	43	22705	23233	6.33	4.99
33.6	44	23233	23761	5.53	3.49
33.7	45	23761	24289	7.21	5.67
33.8	46	24289	24817	8.66	4.74
33.9	47	24817	25345	3.92	5.69
34	48	25345	25873	8.04	5.78
34.1	49	25873	26401	4.98	6.85
34.2	50	26401	26929	4.59	5.24

34.3	51	26929	27457	3.80	7.38
34.4	52	27457	27985	4.60	7.01
34.5	53	27985	28513	5.05	5.72
34.6	54	28513	29041	7.89	6.29
34.7	55	29041	29569	3.59	4.41
34.8	56	29569	30097	3.89	7.32
34.9	57	30097	30625	5.10	4.15
35	58	30625	31153	5.38	13.25
35.1	59	31153	31681	5.65	4.95
35.2	60	31681	32209	5.34	7.36
35.3	61	32209	32737	6.81	11.24
35.4	62	32737	33265	5.86	8.69
35.5	63	33265	33793	8.31	7.28
35.6	64	33793	34321	6.11	7.20
35.7	65	34321	34849	8.05	8.97
35.8	66	34849	35377	7.93	7.66
35.9	67	35377	35905	7.19	7.72
36	68	35905	36433	7.87	6.86
36.1	69	36433	36961	5.65	6.49
36.2	70	36961	37489	6.79	6.51
36.3	71	37489	38017	5.40	5.64
36.4	72	38017	38545	6.08	6.78
36.5	73	38545	39073	6.65	2.93
36.6	74	39073	39601	6.95	5.20
36.7	75	39601	40129	5.69	8.52
36.8	76	40129	40657	10.55	8.36
36.9	77	40657	41185	8.72	4.03
37	78	41185	41713	4.48	3.47
37.1	79	41713	42241	5.93	5.40
37.2	80	42241	42769	6.26	5.22
37.3	81	42769	43297	5.63	7.00
37.4	82	43297	43825	5.14	4.21
37.5	83	43825	44353	9.25	4.98
37.6	84	44353	44881	7.13	2.58
37.7	85	44881	45409	6.20	6.08
37.8	86	45409	45937	5.55	4.17
37.9	87	45937	46465	5.05	5.63
38	88	46465	46993	7.01	4.61
38.1	89	46993	47521	6.85	7.86
38.2	90	47521	48049	9.41	10.26
38.3	91	48049	48577	7.75	4.09
38.4	92	48577	49105	5.15	8.00
38.5	93	49105	49633	7.90	9.58

38.6	94	49633	50161	5.69	10.71
38.7	95	50161	50689	6.25	5.92
38.8	96	50689	51217	9.85	10.17
38.9	97	51217	51745	7.97	14.75
39	98	51745	52273	5.59	5.13
39.1	99	52273	52801	6.48	7.15
39.2	100	52801	53329	6.46	7.61
39.3	101	53329	53857	7.36	6.29
39.4	102	53857	54385	7.58	6.41
39.5	103	54385	54913	7.21	6.85
39.6	104	54913	55441	8.80	7.58
39.7	105	55441	55969	10.72	4.35
39.8	106	55969	56497	3.34	4.19
39.9	107	56497	57025	3.35	6.20
40	108	57025	57553	4.11	3.50
40.1	109	57553	58081	4.82	8.19
40.2	110	58081	58609	5.07	4.80
40.3	111	58609	59137	4.62	6.35
40.4	112	59137	59665	3.72	7.40
40.5	113	59665	60193	3.90	10.21
40.6	114	60193	60721	3.48	5.69
40.7	115	60721	61249	5.20	3.99
40.8	116	61249	61777	2.45	5.76
40.9	117	61777	62305	10.19	4.96
41	118	62305	62833	4.27	7.36
41.1	119	62833	63361	4.13	5.13
41.2	120	63361	63889	3.67	6.23
41.3	121	63889	64417	5.07	10.52
41.4	122	64417	64945	2.08	5.51
41.5	123	64945	65473	2.90	8.88
41.6	124	65473	66001	2.67	4.59
41.7	125	66001	66529	2.02	9.87
41.8	126	66529	67057	5.04	8.96
41.9	127	67057	67585	4.29	4.87
42	128	67585	68113	2.97	5.10
42.1	129	68113	68641	3.86	5.03
42.2	130	68641	69169	2.61	6.56
42.3	131	69169	69697	4.30	7.93
42.4	132	69697	70225	4.82	8.79
42.5	133	70225	70753	4.75	6.75
42.6	134	70753	71281	4.95	9.62
42.7	135	71281	71809	6.10	6.67
42.8	136	71809	72337	4.32	6.13

42.9	137	72337	72865	4.63	6.05
43	138	72865	73393	6.75	9.09
43.1	139	73393	73921	3.78	3.59
43.2	140	73921	74449	2.82	6.11
43.3	141	74449	74977	4.00	7.47
43.4	142	74977	75505	3.30	6.34
43.5	143	75505	76033	3.80	7.59
43.6	144	76033	76561	6.21	7.32
43.7	145	76561	77089	3.94	6.93
43.8	146	77089	77617	2.97	6.82
43.9	147	77617	78145	3.67	6.15
44	148	78145	78673	4.76	8.78
44.1	149	78673	79201	4.00	6.84
44.2	150	79201	79729	4.53	7.38
44.3	151	79729	80257	6.93	7.36
44.4	152	80257	80785	3.63	7.70
44.5	153	80785	81313	5.70	6.70
44.6	154	81313	81841	9.49	6.25
44.7	155	81841	82369	6.24	5.57
44.8	156	82369	82897	3.81	6.47
44.9	157	82897	83425	5.95	8.19
45	158	83425	83953	4.86	8.25
45.1	159	83953	84481	3.97	5.54
45.2	160	84481	85009	5.38	7.53
45.3	161	85009	85537	5.57	9.15
45.4	162	85537	86065	5.10	6.62
45.5	163	86065	86593	4.00	6.90
45.6	164	86593	87121	4.59	7.38
45.7	165	87121	87649	4.19	7.68
45.8	166	87649	88177	4.75	6.12
45.9	167	88177	88705	4.10	11.54
46	168	88705	89233	5.25	6.87
46.1	169	89233	89761	5.04	4.96
46.2	170	89761	90289	6.03	4.78
46.3	171	90289	90817	5.47	5.53
46.4	172	90817	91345	4.94	6.28
46.5	173	91345	91873	4.42	8.50
46.6	174	91873	92401	3.69	6.25
46.7	175	92401	92929	4.68	5.83
46.8	176	92929	93457	3.97	8.95
46.9	177	93457	93985	3.85	8.77
47	178	93985	94513	8.25	10.22
47.1	179	94513	95041	3.60	6.07

47.2	180	95041	95569	6.75	7.30
47.3	181	95569	96097	5.91	7.48
47.4	182	96097	96625	4.67	8.63
47.5	183	96625	97153	7.00	5.96
47.6	184	97153	97681	6.62	7.15
47.7	185	97681	98209	6.91	6.91
47.8	186	98209	98737	11.00	9.82
47.9					
48					
48.1	0	1	529	7.93	7.25
48.2	1	529	1057	12.17	4.07
48.3	2	1057	1585	6.79	7.92
48.4	3	1585	2113	6.07	6.24
48.5	4	2113	2641	5.96	6.45
48.6	5	2641	3169	5.94	7.20
48.7	6	3169	3697	5.75	3.85
48.8	7	3697	4225	4.25	8.31
48.9	8	4225	4753	5.24	7.44
49	9	4753	5281	4.20	5.34
49.1	10	5281	5809	6.48	4.78
49.2	11	5809	6337	5.85	5.76
49.3	12	6337	6865	5.16	5.92
49.4	13	6865	7393	4.99	5.05
49.5	14	7393	7921	3.50	5.71
49.6	15	7921	8449	3.24	6.30
49.7	16	8449	8977	5.56	7.65
49.8	17	8977	9505	3.39	7.28
49.9	18	9505	10033	2.81	8.53
50	19	10033	10561	5.18	8.46
50.1	20	10561	11089	4.31	9.22
50.2	21	11089	11617	4.42	6.09
50.3	22	11617	12145	6.53	7.74
50.4	23	12145	12673	4.53	6.10
50.5	24	12673	13201	5.40	6.87
50.6	25	13201	13729	5.94	7.89
50.7	26	13729	14257	4.43	9.15
50.8	27	14257	14785	5.47	7.31
50.9	28	14785	15313	3.90	7.94
51	29	15313	15841	4.40	5.04
51.1	30	15841	16369	5.00	7.94
51.2	31	16369	16897	7.87	9.34
51.3	32	16897	17425	7.62	6.41
51.4	33	17425	17953	5.79	6.95

51.5	34	17953	18481	4.83	6.23
51.6	35	18481	19009	3.97	8.02
51.7	36	19009	19537	4.46	5.27
51.8	37	19537	20065	4.47	5.44
51.9	38	20065	20593	5.82	9.52
52	39	20593	21121	10.65	6.87
52.1	40	21121	21649	4.80	5.35
52.2	41	21649	22177	5.49	6.41
52.3	42	22177	22705	6.61	7.97
52.4	43	22705	23233	5.93	7.70
52.5	44	23233	23761	7.58	9.21
52.6	45	23761	24289	4.78	8.31
52.7	46	24289	24817	7.48	6.76
52.8	47	24817	25345	11.10	11.26
52.9	48	25345	25873	10.42	8.80
53	49	25873	26401	9.88	9.30
53.1	50	26401	26929	12.77	9.22
53.2	51	26929	27457	10.10	8.99
53.3	52	27457	27985	7.25	10.33
53.4	53	27985	28513	7.92	8.36
53.5	54	28513	29041	8.98	8.14
53.6	55	29041	29569	5.85	6.51
53.7	56	29569	30097	11.28	12.19
53.8	57	30097	30625	8.65	8.76
53.9	58	30625	31153	6.08	7.12
54	59	31153	31681	8.04	9.35
54.1	60	31681	32209	9.59	10.97
54.2	61	32209	32737	3.04	4.73
54.3	62	32737	33265	7.73	32.30
54.4					
54.5					
54.6					
54.7	0	1	529	6.99	6.99
54.8	1	529	1057	6.32	4.78
54.9	2	1057	1585	7.39	8.02
55	3	1585	2113	7.17	6.57
55.1	4	2113	2641	6.27	6.69
55.2	5	2641	3169	7.65	5.70
55.3	6	3169	3697	5.84	5.77
55.4	7	3697	4225	6.54	6.35
55.5	8	4225	4753	4.78	4.23
55.6	9	4753	5281	4.74	3.40
55.7	10	5281	5809	6.81	5.91

55.8	11	5809	6337	4.90	7.41
55.9	12	6337	6865	4.86	6.81
56	13	6865	7393	4.31	5.89
56.1	14	7393	7921	5.57	5.09
56.2	15	7921	8449	5.44	3.89
56.3	16	8449	8977	6.37	4.20
56.4	17	8977	9505	8.50	7.54
56.5	18	9505	10033	5.18	7.43
56.6	19	10033	10561	4.34	6.65
56.7	20	10561	11089	6.77	7.25
56.8	21	11089	11617	6.87	5.98
56.9	22	11617	12145	4.81	8.43
57	23	12145	12673	8.55	6.91
57.1	24	12673	13201	4.28	6.14
57.2	25	13201	13729	5.57	4.52
57.3	26	13729	14257	3.72	5.10
57.4	27	14257	14785	4.94	5.93
57.5	28	14785	15313	4.94	8.86
57.6	29	15313	15841	4.67	4.85
57.7	30	15841	16369	5.86	6.87
57.8	31	16369	16897	5.93	6.30
57.9	32	16897	17425	4.53	6.50
58	33	17425	17953	4.88	8.09
58.1	34	17953	18481	6.73	8.32
58.2	35	18481	19009	6.38	8.13
58.3	36	19009	19537	4.15	9.58
58.4	37	19537	20065	8.21	9.19
58.5	38	20065	20593	8.02	10.11
58.6	39	20593	21121	5.17	7.85
58.7	40	21121	21649	8.53	8.36
58.8	41	21649	22177	6.01	6.74
58.9	42	22177	22705	5.97	6.74
59	43	22705	23233	5.69	6.78
59.1	44	23233	23761	4.87	6.20
59.2	45	23761	24289	5.67	7.23
59.3	46	24289	24817	4.92	5.89
59.4	47	24817	25345	5.76	7.06
59.5	48	25345	25873	6.27	7.40
59.6	49	25873	26401	5.31	3.70
59.7	50	26401	26929	7.76	5.87
59.8	51	26929	27457	5.17	7.47
59.9	52	27457	27985	4.27	4.66
60	53	27985	28513	4.98	8.46

60.1	54	28513	29041	6.46	4.80
60.2	55	29041	29569	6.09	7.81
60.3	56	29569	30097	5.15	6.64
60.4	57	30097	30625	4.80	5.24
60.5	58	30625	31153	6.10	7.05
60.6	59	31153	31681	3.86	4.65
60.7	60	31681	32209	5.57	5.49
60.8	61	32209	32737	4.94	4.23
60.9	62	32737	33265	7.86	6.26
61	63	33265	33793	9.39	7.86
61.1	64	33793	34321	5.86	5.93
61.2	65	34321	34849	5.11	5.28
61.3	66	34849	35377	5.50	5.92
61.4	67	35377	35905	4.68	5.23
61.5	68	35905	36433	6.42	5.49
61.6	69	36433	36961	7.37	8.70
61.7	70	36961	37489	6.83	7.06
61.8	71	37489	38017	6.47	6.84
61.9	72	38017	38545	5.83	5.03
62	73	38545	39073	5.05	2.98
62.1	74	39073	39601	7.49	5.02
62.2	75	39601	40129	3.60	6.09
62.3	76	40129	40657	3.33	5.16
62.4	77	40657	41185	6.60	5.58
62.5	78	41185	41713	5.21	5.64
62.6	79	41713	42241	7.14	7.70
62.7	80	42241	42769	2.37	5.77
62.8	81	42769	43297	4.22	4.91
62.9	82	43297	43825	3.66	6.93
63	83	43825	44353	3.80	4.69
63.1	84	44353	44881	4.75	5.52
63.2	85	44881	45409	4.92	6.74
63.3	86	45409	45937	5.55	5.29
63.4	87	45937	46465	5.35	6.90
63.5	88	46465	46993	6.64	4.30
63.6	89	46993	47521	3.97	3.93
63.7	90	47521	48049	4.58	4.52
63.8	91	48049	48577	3.81	4.05
63.9	92	48577	49105	1.75	3.75
64	93	49105	49633	3.13	3.43
64.1	94	49633	50161	3.30	4.25
64.2	95	50161	50689	4.86	3.63
64.3	96	50689	51217	4.44	4.26

64.4	97	51217	51745	4.38	4.74
64.5	98	51745	52273	4.22	7.64
64.6	99	52273	52801	8.52	6.54
64.7	100	52801	53329	6.41	3.85
64.8	101	53329	53857	7.40	6.84
64.9	102	53857	54385	3.13	3.96
65	103	54385	54913	6.20	4.97
65.1	104	54913	55441	6.01	6.41
65.2	105	55441	55969	5.77	10.77
65.3	106	55969	56497	7.46	12.50
65.4	107	56497	57025	11.24	11.69
65.5	108	57025	57553	9.78	11.43
65.6	109	57553	58081	7.47	10.18
65.7	110	58081	58609	10.53	14.41
65.8	111	58609	59137	11.37	12.22
65.9	112	59137	59665	11.58	9.53
66	113	59665	60193	9.29	11.55
66.1	114	60193	60721	10.02	11.34
66.2	115	60721	61249	10.54	10.56
66.3	116	61249	61777	9.26	13.27
66.4	117	61777	62305	8.01	10.87
66.5	118	62305	62833	11.52	13.12
66.6	119	62833	63361	5.15	7.45
66.7	120	63361	63889	6.51	9.37
66.8	121	63889	64417	9.43	7.38
66.9	122	64417	64945	6.77	7.14
67	123	64945	65473	8.15	8.59
67.1	124	65473	66001	6.80	9.45
67.2	125	66001	66529	6.37	9.24
67.3	126	66529	67057	7.46	14.92
67.4	127	67057	67585	12.28	6.70
67.5	128	67585	68113	7.97	9.75
67.6	129	68113	68641	8.09	6.55
67.7	130	68641	69169	6.81	6.71
67.8	131	69169	69697	6.55	5.27
67.9	132	69697	70225	8.36	6.86
68	133	70225	70753	6.44	5.51
68.1	134	70753	71281	7.69	8.24
68.2	135	71281	71809	7.88	7.31
68.3	136	71809	72337	6.50	8.66
68.4	137	72337	72865	5.94	8.30
68.5	138	72865	73393	4.20	5.84
68.6	139	73393	73921	5.51	5.77

68.7	140	73921	74449	4.93	7.92
68.8	141	74449	74977	14.58	10.31
68.9	142	74977	75505	11.97	7.91
69	143	75505	76033	11.60	10.53
69.1	144	76033	76561	10.80	7.91
69.2	145	76561	77089	11.53	11.71
69.3	146	77089	77617	16.67	13.79
69.4	147	77617	78145	8.55	13.63
69.5	148	78145	78673	11.11	9.95
69.6	149	78673	79201	14.29	15.36
69.7	150	79201	79729	14.65	13.80
69.8	151	79729	80257	9.50	12.19
69.9	152	80257	80785	8.20	9.48
70	153	80785	81313	8.88	9.20
70.1	154	81313	81841	12.18	11.26
70.2	155	81841	82369	17.63	13.19
70.3	156	82369	82897	6.64	12.32
70.4	157	82897	83425	7.49	8.83
70.5	158	83425	83953	4.16	5.30
70.6	159	83953	84481	8.54	8.64
70.7	160	84481	85009	9.94	10.49
70.8	161	85009	85537	27.78	21.22
70.9	162	85537	86065	9.98	10.14
71	163	86065	86593	18.13	13.88
71.1	164	86593	87121	8.96	10.97
71.2	165	87121	87649	9.05	8.00
71.3	166	87649	88177	6.16	6.03
71.4	167	88177	88705	7.53	3.88
71.5	168	88705	89233	4.58	6.45
71.6	169	89233	89761	3.46	5.83
71.7	170	89761	90289	3.27	5.54
71.8	171	90289	90817	3.76	5.78
71.9	172	90817	91345	2.81	6.09
72	173	91345	91873	4.53	6.14
72.1	174	91873	92401	9.83	8.00
72.2	175	92401	92929	6.02	7.66
72.3	176	92929	93457	3.14	7.24
72.4	177	93457	93985	9.36	6.67
72.5	178	93985	94513	4.86	7.72
72.6	179	94513	95041	8.13	6.87
72.7	180	95041	95569	7.22	10.16
72.8	181	95569	96097	4.52	4.69
72.9	182	96097	96625	3.67	4.71

73	183	96625	97153	17.81	20.16
73.1	184	97153	97681	17.84	16.55
73.2	185	97681	98209	10.90	12.29
73.3	186	98209	98737	16.82	22.23
73.4	187	98737	99265	13.46	13.79
73.5	188	99265	99793	19.82	12.44
73.6	189	99793	100321	12.75	7.16
73.7	190	100321	100849	17.35	10.90
73.8	191	100849	101377	11.04	14.82
73.9	192	101377	101905	21.32	20.11
74	193	101905	102433	5.19	7.11
74.1	194	102433	102961	19.78	30.03
74.2	195	102961	103489	27.34	19.05
74.3	196	103489	104017	19.76	24.68
74.4	197	104017	104545	3.91	4.81
74.5	198	104545	105073	5.07	5.77
74.6	199	105073	105601	3.93	6.35
74.7	200	105601	106129	5.29	6.92
74.8	201	106129	106657	8.22	8.72
74.9	202	106657	107185	4.08	7.11
75	203	107185	107713	7.82	7.98
75.1	204	107713	108241	7.69	6.46
75.2	205	108241	108769	16.86	53.69
75.3	206	108769	109297	13.71	15.39
75.4	207	109297	109825	16.88	15.40
75.5	208	109825	110353	14.63	25.42
75.6	209	110353	110881	13.40	24.66
75.7	210	110881	111409	18.28	16.57
75.8	211	111409	111937	14.32	13.90
75.9	212	111937	112465	6.92	8.30
76					
76.1					
76.2	0	1	529	3.89	7.22
76.3	1	529	1057	2.98	8.42
76.4	2	1057	1585	12.98	12.66
76.5	3	1585	2113	10.39	20.85
76.6	4	2113	2641	16.86	18.00
76.7	5	2641	3169	35.50	33.65
76.8	6	3169	3697	5.34	8.12
76.9	7	3697	4225	7.41	7.79
77	8	4225	4753	7.25	8.27
77.1	9	4753	5281	14.47	18.97
77.2	10	5281	5809	24.13	13.75

77.3	11	5809	6337	13.89	20.18
77.4	12	6337	6865	13.22	16.10
77.5	13	6865	7393	21.47	13.79
77.6	14	7393	7921	5.41	7.38
77.7	15	7921	8449	4.95	7.84
77.8	16	8449	8977	4.17	6.11
77.9	17	8977	9505	14.98	15.33
78	18	9505	10033	14.73	20.86
78.1	19	10033	10561	11.72	23.73
78.2	20	10561	11089	21.22	33.73
78.3	21	11089	11617	14.00	22.74
78.4	22	11617	12145	9.73	23.46
78.5	23	12145	12673	20.66	39.23
78.6	24	12673	13201	5.03	9.97
78.7	25	13201	13729	4.57	11.50
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79	28	14785	15313	16.44	25.74
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79.2	30	15841	16369	9.60	8.56
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79.4	32	16897	17425	14.71	21.89
79.5	33	17425	17953	23.08	27.62
79.6	34	17953	18481	14.21	32.71
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79.9	37	19537	20065	10.26	7.97
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82	58	30625	31153	13.23	16.08
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87.2	36	19009	19537	5.90	7.93
87.3	37	19537	20065	6.84	5.67
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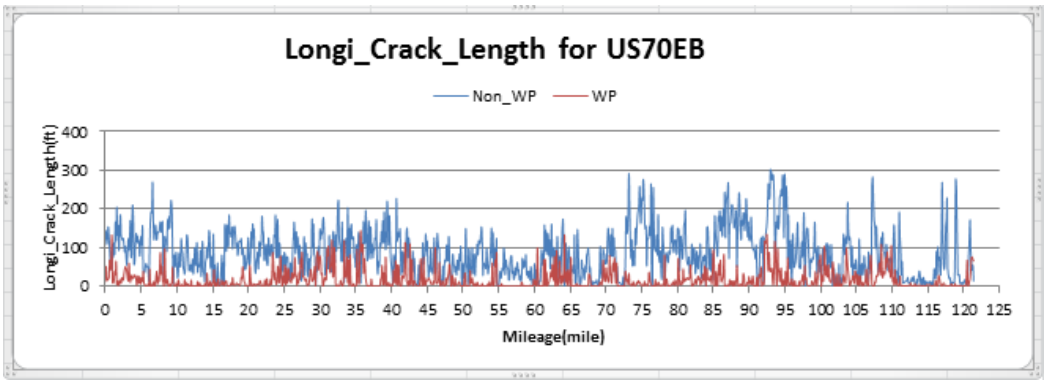
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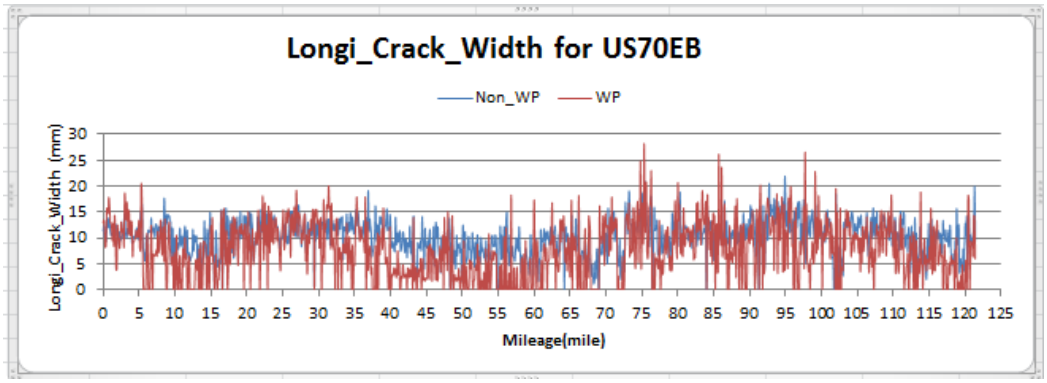
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113.3	297	156817	157345	16.69	32.73
113.4	298	157345	157873	18.00	39.31
113.5	299	157873	158401	15.27	20.63
113.6	300	158401	158929	19.05	28.06
113.7	301	158929	159457	17.80	24.12
113.8	302	159457	159985	4.02	3.00
113.9	303	159985	160513	14.92	20.71
114	304	160513	161041	17.78	22.17
114.1	305	161041	161569	17.60	24.33
114.2	306	161569	162097	16.51	26.92
114.3	307	162097	162625	16.81	17.65
114.4	308	162625	163153	12.38	16.68
114.5	309	163153	163681	10.77	14.23
114.6	310	163681	164209	10.52	16.39
114.7	311	164209	164737	8.97	15.93
114.8	312	164737	165265	11.35	15.02
114.9	313	165265	165793	11.72	18.24
115	314	165793	166321	14.19	24.08
115.1	315	166321	166849	22.06	27.31
115.2	316	166849	167377	16.14	10.92
115.3	317	167377	167905	11.93	22.52
115.4	318	167905	168433	18.79	25.17
115.5	319	168433	168961	15.57	23.43
115.6	320	168961	169489	17.62	23.85
115.7	321	169489	170017	14.19	17.96
115.8	322	170017	170545	10.44	14.95
115.9	323	170545	171073	11.05	13.12

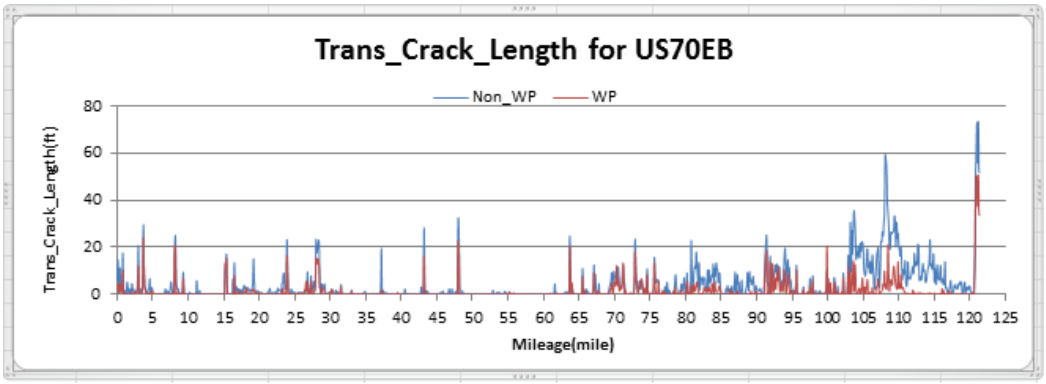
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116.1	325	171601	172129	9.53	8.98
116.2	326	172129	172657	9.23	7.49
116.3	327	172657	173185	3.26	2.41
116.4	328	173185	173713	6.23	20.70
116.5	329	173713	174241	7.26	6.92
116.6	330	174241	174769	6.29	7.30
116.7	331	174769	175297	10.90	17.86
116.8	332	175297	175825	14.75	20.50
116.9	333	175825	176353	14.89	19.22
117	334	176353	176881	6.26	3.31
117.1	335	176881	177409	3.73	6.41
117.2	336	177409	177937	3.30	6.25
117.3	337	177937	178465	3.14	7.32
117.4	338	178465	178993	12.97	32.37
117.5	339	178993	179521	14.45	30.92
117.6	340	179521	180049	13.57	32.54
117.7	341	180049	180577	11.67	15.83
117.8	342	180577	181105	9.66	19.94
117.9	343	181105	181633	12.41	19.24
118	344	181633	182161	11.97	20.96
118.1	345	182161	182689	15.90	24.34
118.2	346	182689	183217	18.75	27.34
118.3	347	183217	183745	15.40	31.91
118.4	348	183745	184273	3.17	7.68
118.5	349	184273	184801	3.41	9.80
118.6	350	184801	185329	2.70	6.73
118.7	351	185329	185857	17.70	26.44
118.8	352	185857	186385	13.77	22.12
118.9	353	186385	186913	12.59	20.50
119	354	186913	187441	15.28	23.09
119.1	355	187441	187969	12.57	19.49
119.2	356	187969	188497	7.42	25.70
119.3	357	188497	189025	13.77	19.73
119.4	358	189025	189553	12.49	18.61
119.5	359	189553	190081	13.39	19.41
119.6	360	190081	190609	11.53	20.75
119.7	361	190609	191137	14.87	22.77
119.8	362	191137	191665	8.14	10.23
119.9	363	191665	192193	4.27	5.10
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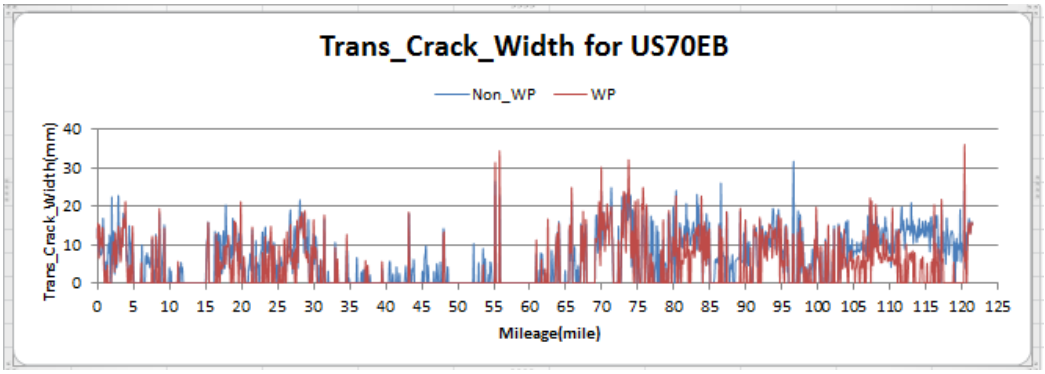
120.3	367	193777	194305	3.31	5.40
120.4	368	194305	194833	3.79	4.94
120.5	369	194833	195361	4.12	21.40
120.6	370	195361	195889	5.75	4.23
120.7	371	195889	196417	4.64	6.16
120.8	372	196417	196945	4.63	5.21

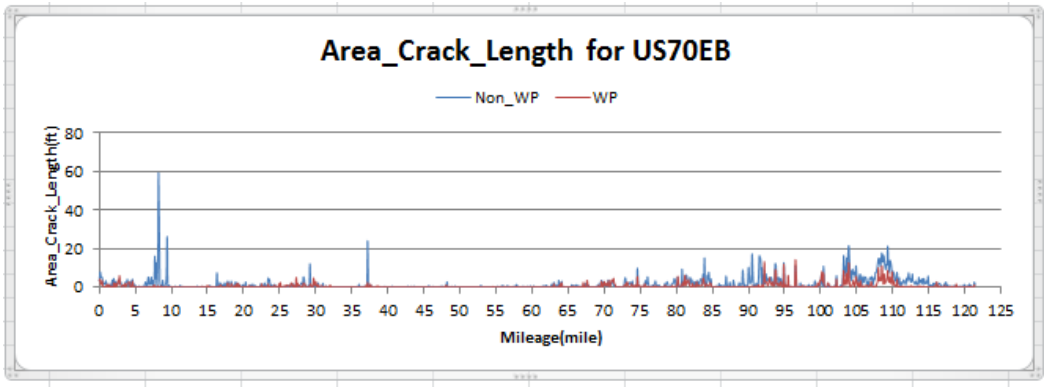
Detailed Cracking Data

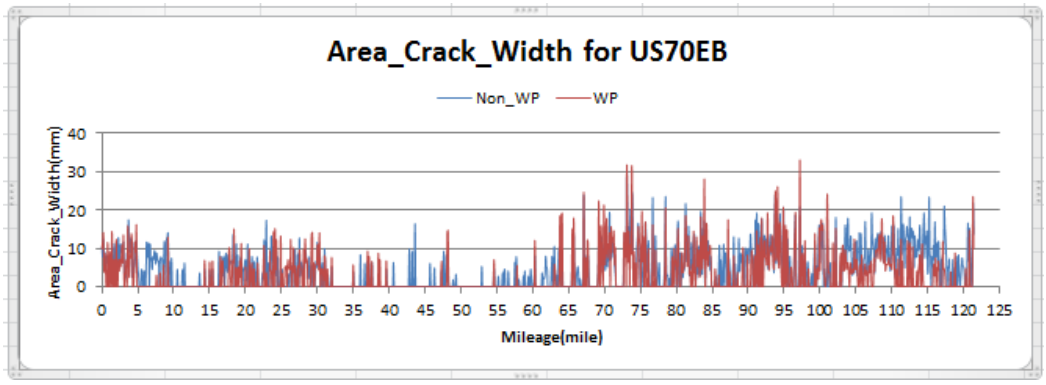







Trans_Crack_Width for US70EB
Non_WP
WP
Trans_Crack_Width(mm)
0
10
20
30
40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125
Mileage(mile)


Area_Crack_Length for US70EB
Non_WP
WP
Area_Crack_Length(ft)
0
20
40
60
80
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125
Mileage(mile)


Area_Crack_Width for US70EB
Non_WP
WP
Area_Crack_Width(mm)
0
10
20
30
40
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	121.37	10.92	11.31	12.91	5.80	4.04	14.32	11.64	3.19	3.47	10.51	9.88
0.1	143.74	51.64	12.36	13.44	14.78	4.37	9.31	15.47	7.93	4.03	7.74	11.77
0.2	108.23	21.13	9.96	11.17	5.11	0.36	8.11	6.40	6.16	1.18	12.34	13.94
0.3	124.98	14.75	10.10	8.10	3.70	3.59	14.42	15.16	4.68	1.50	8.80	3.82
0.4	154.11	18.73	9.31	8.43	11.38	4.51	7.24	10.13	4.97	3.28	9.02	8.70
0.5	131.74	19.05	13.70	15.64	1.00	2.26	7.26	11.78	1.46	0.54	4.56	5.09
0.6	92.98	67.56	12.35	14.60	1.94	0.70	7.72	9.23	2.30	0.00	7.33	0.00
0.7	60.60	41.89	11.91	14.82	1.26	1.83	9.55	14.43	1.38	0.00	8.03	0.00
0.8	89.85	70.82	13.85	17.82	17.60	10.34	16.93	13.90	1.26	0.09	6.14	11.56
0.9	42.23	131.14	12.78	15.95	1.83	0.42	8.49	3.68	3.28	0.00	7.75	0.00
1	109.27	9.16	11.14	12.83	0.48	0.00	2.16	0.00	1.83	1.37	5.95	3.78
1.1	74.37	7.32	10.41	12.95	0.07	0.43	2.17	3.26	1.29	1.41	2.44	9.12
1.2	113.34	14.43	10.63	11.56	1.86	0.36	5.57	2.50	0.45	0.00	2.06	0.00
1.3	82.94	38.26	11.16	9.40	0.78	0.00	4.17	0.00	0.99	0.39	4.15	2.72
1.4	166.57	29.11	11.33	12.81	5.27	0.52	4.01	4.67	1.16	1.29	10.38	14.44
1.5	117.92	64.74	10.85	8.33	3.46	0.00	10.13	0.00	1.47	0.00	2.65	0.00
1.6	204.67	3.67	12.14	14.31	0.68	0.00	7.85	0.00	0.00	0.00	0.00	0.00
1.7	132.06	13.45	11.81	11.47	1.14	0.00	12.58	0.00	1.27	0.32	11.13	7.19
1.8	157.68	3.58	12.61	3.75	2.28	0.00	3.71	0.00	3.57	0.00	9.58	0.00
1.9	91.78	2.25	10.32	3.79	0.00	0.00	0.00	0.00	0.44	0.00	4.97	0.00
2	144.18	15.86	11.81	12.30	1.54	0.63	22.49	7.12	4.55	2.30	8.60	12.35
2.1	185.13	11.24	10.30	9.70	4.58	0.97	5.05	7.29	0.41	0.00	4.63	0.00
2.2	130.17	7.48	8.74	9.75	1.46	0.24	7.83	10.83	1.57	0.00	6.35	0.00
2.3	125.37	22.11	11.24	7.89	2.30	0.25	13.51	6.99	3.00	2.04	12.86	7.00
2.4	118.53	17.64	9.39	10.43	0.57	0.38	2.27	3.04	1.09	0.50	5.63	4.02
2.5	124.06	15.24	10.19	13.02	1.27	1.07	11.05	13.08	1.89	0.47	6.97	7.19
2.6	108.12	30.12	9.83	12.51	1.44	0.37	7.93	4.86	1.56	3.33	11.15	5.17
2.7	88.20	42.74	10.41	10.93	0.66	0.70	3.95	5.92	3.94	2.15	8.97	7.69
2.8	103.22	51.16	11.60	11.56	0.77	1.49	7.64	10.13	2.95	5.93	9.44	10.96
2.9	75.00	47.11	13.45	8.25	7.71	4.17	22.72	14.70	1.53	1.46	8.56	6.16
3	54.09	38.37	14.57	18.44	20.68	12.20	14.74	13.59	2.53	1.01	11.61	13.41
3.1	82.55	22.57	11.56	16.04	0.12	0.36	7.73	11.59	0.45	0.00	3.32	0.00
3.2	122.88	13.73	10.17	13.41	0.20	0.78	7.42	5.57	0.22	0.25	2.28	3.43
3.3	92.62	59.52	9.99	16.94	1.09	0.77	11.63	7.41	0.14	1.03	2.27	3.41
3.4	126.32	25.34	11.89	13.63	2.53	0.69	9.62	14.44	0.87	1.22	4.63	6.95
3.5	168.94	9.51	10.78	10.61	0.97	0.75	9.88	9.45	1.29	0.00	8.82	0.00
3.6	74.22	28.32	11.89	15.38	2.03	3.11	18.25	16.82	2.49	1.84	8.23	15.49
3.7	124.95	20.01	13.16	12.03	29.50	23.97	17.91	16.69	1.91	0.37	17.49	11.65
3.8	209.64	18.57	12.31	10.38	9.85	9.42	16.99	14.56	2.72	0.52	11.48	2.37

3.9	176.41	22.78	12.27	13.21	2.93	2.51	14.72	21.29	4.03	2.02	8.89	8.12
4	55.62	29.40	8.94	13.12	2.81	1.49	7.47	11.81	0.63	2.50	12.70	7.47
4.1	59.58	22.54	9.60	6.37	0.84	0.41	5.64	4.34	1.25	2.32	12.33	13.84
4.2	105.11	28.13	9.77	9.11	1.19	0.00	7.17	0.00	0.55	2.52	2.40	11.56
4.3	136.79	16.45	10.33	9.21	0.26	0.67	2.42	3.64	3.03	0.00	11.46	0.00
4.4	114.68	1.87	10.14	9.84	2.19	0.00	14.70	0.00	0.39	0.00	3.23	0.00
4.5	129.77	17.13	10.48	10.02	3.09	0.40	11.93	4.61	2.63	0.40	5.04	4.27
4.6	110.56	26.92	11.37	11.49	6.70	0.34	9.82	3.81	4.06	3.08	6.10	11.61
4.7	118.38	8.09	11.90	10.61	0.72	0.00	4.34	0.00	1.29	0.31	9.73	9.09
4.8	77.59	24.01	10.28	10.08	1.82	1.48	10.51	6.30	1.68	0.65	12.09	16.06
4.9	101.64	5.59	9.71	11.28	2.93	1.76	8.56	14.72	0.52	0.00	8.12	0.00
5	129.51	12.44	12.67	13.31	1.35	0.00	4.27	0.00	0.80	0.00	4.76	0.00
5.1	107.67	22.49	10.83	8.07	0.00	0.00	0.00	0.00	0.56	0.00	2.71	0.00
5.2	155.93	11.30	14.86	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.3	43.48	38.46	14.39	20.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4	34.00	5.88	16.54	17.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	36.16	5.53	10.19	8.26	0.00	0.00	0.00	0.00	0.44	0.00	4.49	0.00
5.6	51.82	0.00	7.55	0.00	0.00	0.00	0.00	0.00	0.46	0.00	4.20	0.00
5.7	58.96	0.00	6.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.8	49.96	0.00	5.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.9	50.66	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	4.17	0.00
6	34.31	6.28	10.39	4.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.1	14.86	1.68	6.37	10.81	0.08	0.39	3.53	5.30	0.00	0.00	0.00	0.00
6.2	105.76	44.17	10.47	8.65	0.48	0.00	9.97	0.00	0.37	0.00	11.40	0.00
6.3	170.91	0.00	11.53	0.00	0.00	0.00	0.00	0.00	1.39	0.00	8.91	0.00
6.4	192.62	0.00	11.00	0.00	0.00	0.00	0.00	0.00	2.63	0.00	7.75	0.00
6.5	189.49	0.00	11.33	0.00	0.00	0.00	0.00	0.00	1.15	0.00	11.24	0.00
6.6	269.89	8.08	11.21	8.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	167.94	1.16	13.86	12.37	0.88	0.00	6.89	0.00	2.97	0.00	10.99	0.00
6.8	120.38	12.37	10.95	5.78	2.36	0.00	4.91	0.00	5.22	0.00	6.90	0.00
6.9	136.55	0.00	11.47	0.00	0.41	0.00	7.88	0.00	1.24	0.00	7.47	0.00
7	158.94	7.98	12.00	6.88	1.47	0.00	5.10	0.00	1.18	0.00	4.49	0.00
7.1	142.29	27.53	11.65	6.46	1.34	0.00	6.76	0.00	2.54	0.00	7.84	0.00
7.2	119.27	37.76	10.15	6.51	0.83	0.00	5.96	0.00	5.22	0.00	7.03	0.00
7.3	139.97	5.44	12.59	6.67	0.43	0.00	3.96	0.00	1.10	0.00	9.42	0.00
7.4	138.12	23.69	12.67	7.66	1.50	0.00	4.92	0.00	3.56	0.00	9.24	0.00
7.5	140.73	12.30	12.01	6.49	2.71	0.00	5.32	0.00	0.38	0.00	5.92	0.00
7.6	155.25	49.65	9.02	11.26	5.35	0.68	11.26	12.22	2.17	1.20	8.69	3.02
7.7	166.64	86.97	11.36	7.15	2.71	0.00	5.75	0.00	16.07	0.00	7.87	0.00
7.8	139.39	31.37	12.18	7.59	0.00	0.00	0.00	0.00	4.35	0.00	6.71	0.00
7.9	152.44	52.11	11.31	10.25	1.44	0.00	3.31	0.00	12.69	0.00	6.83	0.00
8	166.61	14.09	11.93	13.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.1	27.86	8.79	13.02	10.95	19.37	16.81	12.48	11.93	11.19	0.69	6.68	3.64

8.2	19.99	0.17	8.68	6.60	24.77	20.57	10.43	9.01	58.77	0.00	7.78	0.00
8.3	128.62	97.38	11.35	9.84	6.91	0.00	4.17	0.00	36.82	0.00	7.42	0.00
8.4	122.64	33.51	12.51	11.89	2.84	0.00	6.11	0.00	2.77	0.00	7.01	0.00
8.5	118.90	5.53	17.67	5.35	1.95	0.00	5.38	0.00	0.00	0.00	0.00	0.00
8.6	90.62	15.45	14.41	13.62	2.46	1.14	18.02	19.43	1.00	0.71	6.98	5.71
8.7	170.73	16.62	9.56	6.32	0.00	0.00	0.00	0.00	0.62	0.00	11.89	0.00
8.8	146.96	0.00	14.37	0.00	0.00	0.00	0.00	0.00	3.53	0.00	8.43	0.00
8.9	180.60	0.00	12.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	150.03	4.24	14.48	6.74	0.78	0.00	5.93	0.00	0.45	0.00	12.66	0.00
9.1	192.63	0.16	14.04	11.97	0.92	0.00	8.04	0.00	0.56	0.00	12.72	0.00
9.2	222.50	6.82	14.28	12.99	2.08	0.00	10.85	0.00	1.28	0.31	14.02	12.97
9.3	197.22	8.14	13.32	8.02	9.45	6.93	14.95	14.38	4.71	0.00	6.46	0.00
9.4	101.35	48.96	13.08	6.93	2.73	0.00	3.41	0.00	26.26	0.00	6.60	0.00
9.5	4.78	2.40	5.26	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.6	80.57	1.63	11.91	5.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.7	75.34	0.66	11.67	6.33	0.00	0.00	0.00	0.00	1.00	0.00	7.44	0.00
9.8	50.40	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.9	87.93	8.12	9.92	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	50.28	0.00	9.80	0.00	0.32	0.00	4.07	0.00	0.00	0.00	0.00	0.00
10.1	20.89	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.2	35.62	16.52	5.79	10.33	0.97	0.00	3.15	0.00	0.00	0.00	0.00	0.00
10.3	85.47	9.70	9.02	5.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.4	62.82	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.5	50.34	0.00	7.81	0.00	0.00	0.00	0.00	0.00	0.53	0.00	4.55	0.00
10.6	122.18	0.67	10.30	5.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.7	94.15	4.74	11.83	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.8	85.24	0.00	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.9	46.80	0.14	9.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	39.94	0.00	10.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.1	31.00	16.99	9.29	7.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.2	58.79	0.70	6.78	4.39	5.91	0.39	1.83	5.63	0.93	0.00	4.24	0.00
11.3	97.86	7.84	11.00	6.87	0.00	0.00	0.00	0.00	0.52	0.00	4.46	0.00
11.4	132.92	7.72	12.26	10.05	0.47	0.00	4.13	0.00	0.00	0.00	0.00	0.00
11.5	124.34	1.63	10.29	5.86	0.00	0.00	0.00	0.00	0.43	0.00	6.18	0.00
11.6	74.12	5.44	6.94	6.81	1.77	0.00	5.34	0.00	0.00	0.00	0.00	0.00
11.7	39.36	0.00	11.48	0.00	0.39	0.00	2.85	0.00	0.00	0.00	0.00	0.00
11.8	41.72	0.00	7.10	0.00	0.40	0.00	4.04	0.00	0.00	0.00	0.00	0.00
11.9	55.64	0.23	6.10	5.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	55.42	15.96	7.11	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.1	37.24	0.00	5.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.2	70.32	0.00	6.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.3	30.91	0.00	6.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.4	60.03	0.00	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.5	100.02	0.00	11.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.6	55.24	0.00	7.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.7	72.40	0.00	10.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.8	113.12	0.30	9.28	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.9	37.19	12.25	9.18	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	56.30	0.20	10.27	4.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.1	49.96	1.80	5.41	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.2	64.22	8.66	8.68	5.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.3	93.25	0.00	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.4	24.89	1.45	4.73	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	78.97	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.6	115.10	0.04	8.86	9.06	0.00	0.00	0.00	0.00	0.59	0.00	3.60	0.00
13.7	38.51	0.00	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.8	32.30	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.9	11.05	5.99	5.86	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	60.95	7.47	8.17	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	72.85	0.49	13.31	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.2	101.33	33.28	8.29	8.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.3	72.31	16.32	6.59	8.49	0.00	0.00	0.00	0.00	0.44	0.50	4.59	6.88
14.4	94.18	0.00	6.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	144.25	0.00	11.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.6	129.21	8.36	6.32	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.7	47.27	12.39	9.42	5.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.8	54.50	0.00	11.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.9	76.13	0.37	14.97	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	10.32	7.12	10.76	12.32	0.00	0.00	0.00	0.00	0.13	0.97	4.33	6.51
15.1	134.92	14.69	10.94	6.53	0.49	0.00	5.78	0.00	0.00	0.00	0.00	0.00
15.2	23.92	42.97	9.42	13.90	9.54	12.99	10.70	10.10	0.00	0.00	0.00	0.00
15.3	55.16	0.14	6.76	5.39	14.64	11.61	11.98	11.12	0.66	0.00	3.60	0.00
15.4	2.41	9.11	6.50	4.99	16.93	15.04	15.51	15.47	0.64	0.41	4.47	6.71
15.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.6	24.38	2.01	6.85	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.7	60.25	17.02	11.41	6.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.8	4.98	18.69	8.41	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.9	8.93	0.00	4.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	4.53	1.01	4.31	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.1	13.40	3.00	5.76	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.2	49.57	5.76	5.30	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.3	79.22	15.55	5.13	5.93	6.50	0.00	13.46	0.00	7.41	0.00	9.26	0.00
16.4	5.06	2.42	15.02	12.49	0.89	0.00	1.98	0.00	1.04	0.00	3.59	0.00
16.5	60.73	10.91	15.41	14.94	13.48	8.18	12.45	12.91	0.71	0.45	4.01	7.87
16.6	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
16.7	159.74	11.79	10.22	8.99	2.63	0.73	12.34	10.66	2.38	0.39	7.82	4.87

16.8	158.07	6.46	13.61	15.62	3.37	0.77	13.16	7.83	1.14	1.15	4.20	6.84
16.9	90.25	14.83	10.47	12.17	1.34	0.00	6.14	0.00	1.55	0.84	2.87	4.27
17	128.62	1.96	6.37	4.77	0.90	0.00	9.80	0.00	1.28	0.00	7.75	0.00
17.1	158.20	2.53	15.71	9.93	2.49	0.66	12.26	5.63	0.00	0.00	0.00	0.00
17.2	102.16	0.88	10.52	11.26	0.80	1.44	3.34	5.02	1.23	0.00	7.96	0.00
17.3	184.24	0.00	14.19	0.00	0.07	0.25	2.40	3.60	0.43	0.00	8.71	0.00
17.4	136.94	0.31	13.65	2.58	2.14	0.37	6.84	4.15	2.26	0.00	4.64	0.00
17.5	137.97	4.84	10.40	9.38	1.67	0.73	13.65	4.73	0.49	0.00	3.81	0.00
17.6	127.49	8.51	8.00	7.38	0.86	0.37	4.18	9.79	0.93	0.00	8.28	0.00
17.7	153.01	3.27	11.60	4.99	0.60	0.36	3.83	5.42	1.80	0.65	6.94	10.08
17.8	96.78	22.74	13.11	12.60	3.26	0.72	20.08	4.93	3.13	2.25	6.97	8.81
17.9	130.72	2.49	7.04	9.77	3.92	0.73	14.28	9.75	2.26	0.45	6.76	2.95
18	154.00	4.01	13.82	8.11	2.25	1.54	10.52	9.34	0.82	0.00	5.93	0.00
18.1	154.96	1.51	12.08	14.11	2.60	1.02	10.19	10.77	1.29	0.00	5.91	0.00
18.2	126.95	3.37	6.04	6.64	2.65	2.88	10.63	12.30	1.31	0.72	6.98	6.88
18.3	99.49	7.85	12.86	8.42	1.04	0.32	5.22	4.08	3.11	1.82	13.74	6.22
18.4	111.30	7.02	12.79	13.79	2.85	0.32	3.93	4.87	0.38	0.60	10.01	15.01
18.5	79.59	3.07	13.00	10.88	2.52	0.00	9.74	0.00	0.00	0.00	0.00	0.00
18.6	93.28	5.43	11.68	11.55	2.14	0.00	9.06	0.00	0.00	0.00	0.00	0.00
18.7	116.88	2.95	13.96	7.08	0.99	0.36	6.71	5.02	1.52	0.81	11.27	5.01
18.8	113.72	1.15	7.33	4.79	1.75	0.39	16.93	6.05	0.90	0.00	3.44	0.00
18.9	114.76	3.55	10.99	11.55	1.33	0.00	7.31	0.00	2.74	0.20	8.25	3.09
19	123.01	23.64	9.82	12.33	2.53	2.16	13.10	15.89	1.40	1.58	2.76	5.03
19.1	81.51	19.27	15.14	11.17	5.05	1.43	13.71	12.53	0.81	0.00	4.54	0.00
19.2	98.63	50.36	11.29	10.82	15.14	2.18	15.34	15.73	1.93	1.97	2.91	6.74
19.3	88.01	30.96	10.28	12.73	6.20	1.12	11.69	8.50	1.75	0.20	7.65	2.44
19.4	42.33	11.41	9.85	10.57	0.85	1.44	7.43	10.37	1.10	1.21	7.09	11.32
19.5	78.93	9.68	11.10	11.30	0.56	0.30	5.73	5.03	0.97	0.00	3.77	0.00
19.6	44.01	0.00	14.37	0.00	1.43	0.00	9.27	0.00	0.00	0.00	0.00	0.00
19.7	56.40	1.50	11.57	12.38	1.40	0.38	12.85	10.80	0.45	0.00	4.88	0.00
19.8	61.87	2.43	14.11	12.67	0.12	0.37	3.69	5.53	0.45	0.00	4.39	0.00
19.9	104.35	1.20	14.14	10.83	1.46	0.69	12.81	21.23	1.28	0.00	6.49	0.00
20	123.96	1.05	10.58	5.36	0.89	0.00	6.37	0.00	0.73	0.42	7.07	5.24
20.1	54.15	0.51	13.03	4.87	0.00	0.00	0.00	0.00	0.53	0.00	1.47	0.00
20.2	55.98	53.24	13.14	15.01	0.42	0.00	4.02	0.00	1.07	0.00	3.68	0.00
20.3	83.20	23.14	12.44	7.64	0.95	0.37	4.55	6.82	2.68	0.00	11.13	0.00
20.4	141.18	1.92	14.90	10.55	0.13	0.38	3.42	5.13	0.00	0.00	0.00	0.00
20.5	98.27	0.00	6.99	0.00	0.42	0.00	3.73	0.00	0.13	0.39	6.64	9.95
20.6	161.35	0.20	14.51	7.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.7	125.75	7.16	13.13	9.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.8	146.39	2.15	11.40	11.60	0.00	0.00	0.00	0.00	0.06	0.85	3.33	5.03
20.9	50.90	5.07	6.25	4.94	0.00	0.00	0.00	0.00	1.29	0.21	7.90	6.12
21	32.89	0.53	5.40	6.14	0.44	0.00	4.07	0.00	0.65	0.00	3.93	0.00

21.1	60.50	4.78	9.08	8.30	0.36	0.00	5.07	0.00	0.53	0.00	1.91	0.00
21.2	72.76	2.84	9.72	8.90	0.90	0.00	7.67	0.00	0.95	0.47	6.51	4.68
21.3	87.02	6.24	8.88	11.08	0.96	0.00	3.27	0.00	1.55	0.00	4.27	0.00
21.4	44.54	2.07	8.69	8.74	1.65	0.00	3.13	0.00	0.34	0.00	2.50	0.00
21.5	115.18	6.41	14.04	10.36	2.60	0.42	13.89	14.62	0.00	0.00	0.00	0.00
21.6	76.11	14.84	13.74	15.35	0.80	0.00	3.73	0.00	0.86	0.00	7.66	0.00
21.7	113.85	11.33	13.24	10.65	0.00	0.00	0.00	0.00	0.37	0.20	4.12	6.18
21.8	106.07	0.00	13.17	0.00	0.48	0.00	4.37	0.00	0.00	0.00	0.00	0.00
21.9	180.74	1.07	9.51	4.38	0.88	0.00	4.48	0.00	0.00	0.00	0.00	0.00
22	145.35	3.45	15.37	12.41	0.47	0.35	11.03	6.97	0.00	0.00	0.00	0.00
22.1	138.60	1.46	13.82	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.2	67.47	1.41	11.00	18.12	0.40	0.00	5.22	0.00	0.00	0.00	0.00	0.00
22.3	66.80	16.55	12.64	10.46	1.31	0.00	4.35	0.00	0.60	0.00	2.33	0.00
22.4	103.54	0.74	12.20	5.85	0.44	0.00	4.73	0.00	1.73	0.00	3.67	0.00
22.5	107.20	4.97	12.98	16.68	0.00	0.00	0.00	0.00	1.11	1.66	2.11	7.36
22.6	56.28	19.91	11.65	11.39	2.67	0.00	7.24	0.00	0.65	0.37	12.23	10.51
22.7	54.05	1.74	11.31	8.47	1.73	0.00	8.16	0.00	0.75	0.00	3.48	0.00
22.8	123.13	4.19	14.73	12.26	1.83	0.00	8.85	0.00	0.62	0.00	7.85	0.00
22.9	105.34	0.00	13.02	0.00	1.91	0.40	13.35	7.98	2.13	0.53	17.20	3.67
23	78.71	3.92	11.78	15.98	1.44	0.00	8.01	0.00	0.00	0.00	0.00	0.00
23.1	92.60	17.32	13.33	14.57	0.98	0.00	2.40	0.00	0.88	0.00	6.23	0.00
23.2	108.27	3.58	14.62	7.07	4.71	0.43	11.74	5.53	0.00	0.00	0.00	0.00
23.3	90.65	24.82	13.29	13.60	4.55	2.65	14.63	12.13	0.97	0.00	5.30	0.00
23.4	75.14	86.05	11.04	15.05	8.91	0.00	10.21	0.00	4.74	1.62	6.93	9.44
23.5	83.70	59.88	13.61	9.24	8.95	0.00	9.82	0.00	3.01	0.20	8.18	4.14
23.6	132.53	17.40	13.80	13.47	1.93	0.43	7.83	4.42	3.92	0.26	13.05	4.14
23.7	126.45	36.02	13.43	8.91	3.75	0.79	10.86	7.20	0.00	0.00	0.00	0.00
23.8	183.46	16.22	14.37	10.16	2.23	0.00	7.84	0.00	1.41	0.00	10.21	0.00
23.9	74.39	3.82	12.06	12.51	23.19	16.51	10.10	10.01	0.47	0.36	7.42	14.32
24	78.95	7.27	13.58	13.92	10.35	8.05	11.78	12.17	0.78	0.00	6.72	0.00
24.1	172.82	51.41	12.82	12.52	1.11	0.73	8.02	14.56	0.44	0.39	3.58	15.18
24.2	74.99	45.73	11.99	9.39	0.33	0.00	5.77	0.00	0.72	0.48	2.99	4.48
24.3	112.24	8.59	12.16	11.90	0.07	0.42	6.50	9.75	1.44	1.06	9.32	12.29
24.4	107.18	30.71	11.08	9.54	0.79	0.00	6.86	0.00	0.00	0.00	0.00	0.00
24.5	47.99	78.18	9.73	7.88	2.39	0.25	10.65	9.69	0.51	0.00	7.78	0.00
24.6	21.37	36.11	7.85	5.15	0.98	0.43	6.58	5.51	0.00	0.00	0.00	0.00
24.7	63.62	0.18	9.57	3.76	1.40	0.00	5.92	0.00	0.00	0.00	0.00	0.00
24.8	78.12	2.42	10.00	9.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24.9	37.73	27.28	9.69	11.31	0.47	0.00	4.66	0.00	0.32	1.65	4.70	13.26
25	87.09	9.61	10.33	13.51	0.93	0.00	4.54	0.00	0.00	0.00	0.00	0.00
25.1	84.39	55.24	12.61	15.19	0.00	0.00	0.00	0.00	0.59	2.36	4.58	3.56
25.2	52.40	2.84	11.36	7.75	0.54	0.35	4.97	9.71	0.00	0.00	0.00	0.00
25.3	71.81	48.78	9.11	8.83	0.49	0.00	2.90	0.00	0.00	0.00	0.00	0.00

25.4	76.52	7.39	12.87	9.93	0.41	0.00	6.89	0.00	0.00	0.00	0.00	0.00
25.5	73.83	10.98	11.57	14.84	0.92	0.00	4.59	0.00	0.00	0.40	0.00	5.15
25.6	15.21	44.58	8.81	12.83	0.60	0.73	5.56	4.17	0.00	0.48	0.00	4.66
25.7	18.14	35.60	10.31	14.67	0.34	0.00	3.73	0.00	0.00	0.59	0.00	5.48
25.8	24.76	13.09	8.86	15.66	0.83	0.00	4.02	0.00	0.00	0.00	0.00	0.00
25.9	60.58	12.07	10.88	14.19	0.96	0.42	3.31	11.42	0.43	1.11	2.50	6.90
26	16.71	8.62	15.02	12.87	0.03	0.43	2.57	3.86	0.25	0.33	3.27	4.91
26.1	29.97	34.18	15.08	6.20	0.00	0.00	0.00	0.00	0.00	1.11	0.00	4.85
26.2	93.70	19.09	10.99	14.55	0.79	0.00	4.22	0.00	0.71	0.41	2.99	4.49
26.3	126.16	24.13	15.06	14.50	1.11	0.67	9.38	13.31	0.43	0.70	5.10	12.29
26.4	165.79	33.14	14.29	11.62	0.77	1.97	9.78	5.30	0.42	0.00	5.36	0.00
26.5	126.04	74.20	13.45	10.49	1.25	1.46	8.36	7.35	0.50	0.97	5.49	5.11
26.6	83.92	24.43	13.68	15.94	4.58	5.58	9.56	6.77	1.74	2.15	5.40	3.93
26.7	141.04	28.80	11.87	11.14	1.46	1.15	17.17	9.42	0.22	1.99	5.61	10.11
26.8	97.80	1.57	10.43	14.45	9.61	5.09	18.89	15.25	0.00	0.00	0.00	0.00
26.9	127.22	15.31	16.15	19.19	1.10	0.36	5.08	5.76	1.62	1.26	9.80	5.31
27	77.28	7.77	14.40	14.84	2.23	1.86	8.80	6.58	0.57	0.39	3.17	3.69
27.1	58.27	36.56	10.04	10.29	0.13	0.36	2.45	3.68	0.00	0.00	0.00	0.00
27.2	106.03	18.04	16.35	14.92	3.16	1.50	6.81	5.03	0.53	0.00	4.10	0.00
27.3	57.11	70.43	12.62	14.63	7.98	5.77	13.31	7.91	2.28	5.00	8.50	5.58
27.4	13.04	47.08	12.40	14.05	1.44	0.00	14.88	0.00	0.00	0.00	0.00	0.00
27.5	41.97	87.97	12.23	12.70	2.39	0.36	10.57	8.94	0.14	1.98	12.75	9.54
27.6	30.21	23.58	8.25	8.83	3.85	0.00	6.91	0.00	0.51	0.53	2.71	5.99
27.7	88.58	26.35	10.53	10.80	5.43	1.45	14.62	16.30	0.15	0.92	3.30	4.95
27.8	126.09	18.52	11.57	9.51	1.78	1.07	3.85	5.29	0.87	0.90	6.45	4.43
27.9	28.18	17.48	10.95	12.98	6.86	4.12	11.22	12.61	1.49	0.00	4.34	0.00
28	110.11	12.02	12.02	14.47	23.18	15.29	15.01	13.82	2.24	0.00	2.45	0.00
28.1	80.91	19.59	14.59	14.64	17.70	12.77	21.71	17.33	1.15	0.44	5.67	9.77
28.2	84.74	1.96	8.31	5.52	19.34	15.06	14.23	14.43	1.07	0.00	4.91	0.00
28.3	31.19	4.84	7.12	10.58	21.42	14.88	15.60	15.96	5.25	2.22	9.66	12.39
28.4	24.11	2.16	8.99	3.02	22.92	11.92	17.35	18.45	4.16	1.10	8.91	6.43
28.5	71.56	9.57	12.99	6.77	10.04	2.87	18.22	13.00	0.99	1.60	6.65	7.41
28.6	42.99	27.85	11.00	11.58	1.89	1.93	13.45	11.96	0.57	0.26	6.59	6.64
28.7	71.19	43.90	11.75	8.86	0.13	0.37	7.73	11.60	0.39	0.00	2.05	0.00
28.8	80.48	34.85	11.67	11.15	4.45	1.26	16.08	18.82	0.35	0.00	2.86	0.00
28.9	174.61	12.17	11.18	13.52	1.72	3.09	8.77	7.15	0.46	0.00	7.80	0.00
29	100.42	14.22	10.35	11.39	3.03	2.36	11.92	6.49	0.86	0.00	2.56	0.00
29.1	160.82	17.70	11.14	14.44	3.74	1.92	11.08	8.44	0.00	0.57	0.00	4.35
29.2	81.16	40.07	13.78	15.53	4.47	0.36	6.47	5.33	12.10	0.71	5.69	13.68
29.3	77.96	50.10	12.18	14.07	1.43	0.42	16.54	7.49	0.94	1.67	5.33	14.17
29.4	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
29.5	46.99	67.86	12.35	15.33	0.00	0.00	0.00	0.00	0.35	0.41	1.82	6.27
29.6	37.64	83.28	9.37	14.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

29.7	70.54	90.16	12.13	15.52	0.07	0.42	6.42	9.63	0.06	4.73	2.30	5.64
29.8	102.25	41.50	13.18	13.60	0.86	0.00	4.99	0.00	2.86	1.87	6.57	5.54
29.9	69.63	73.47	10.20	12.61	1.13	0.74	3.48	5.40	0.16	0.95	5.06	5.94
30	147.05	78.45	12.40	13.43	0.91	0.41	12.91	16.52	1.03	2.94	11.62	10.91
30.1	120.98	65.27	11.53	7.97	0.63	0.85	4.97	9.02	0.50	0.38	5.37	11.01
30.2	139.90	30.20	7.94	11.70	2.15	2.25	8.59	6.36	1.50	0.39	9.73	4.36
30.3	133.92	33.95	12.88	13.69	1.79	1.58	12.24	9.30	2.22	1.38	9.15	14.08
30.4	170.01	0.00	13.06	0.00	1.58	0.77	9.47	7.74	1.46	0.00	7.45	0.00
30.5	177.47	1.08	12.75	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.6	131.18	17.45	11.66	6.61	0.00	0.00	0.00	0.00	0.00	0.34	0.00	4.79
30.7	30.60	23.54	14.75	17.42	0.00	0.00	0.00	0.00	0.22	0.63	6.24	4.68
30.8	47.35	14.88	12.24	5.02	1.82	0.00	4.62	0.00	0.00	0.63	0.00	3.03
30.9	47.16	17.69	12.58	12.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	96.34	94.68	11.06	11.78	1.14	0.57	6.01	6.01	1.98	0.31	9.88	8.06
31.1	65.98	78.26	13.57	16.34	0.87	0.00	4.02	0.00	0.22	0.34	4.98	7.47
31.2	46.65	103.83	9.78	15.61	0.47	0.00	3.40	0.00	0.00	0.00	0.00	0.00
31.3	131.46	70.14	11.29	16.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.4	50.76	35.35	13.69	20.04	0.20	0.73	4.83	7.25	0.04	0.52	3.08	4.63
31.5	46.49	49.94	11.50	15.38	4.22	3.37	16.70	17.67	0.57	0.00	2.92	0.00
31.6	35.92	54.40	8.52	16.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.7	61.66	119.61	11.14	7.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.8	134.20	23.58	13.41	16.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.9	141.56	25.97	13.44	8.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	71.18	99.54	12.04	9.98	0.46	0.00	3.13	0.00	0.03	1.14	5.12	7.67
32.1	61.51	68.36	11.46	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.2	132.91	1.38	12.68	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.3	90.82	0.00	11.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.4	131.36	0.54	11.36	13.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	208.78	3.71	12.71	10.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.6	221.36	0.14	13.52	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.7	121.75	0.00	10.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.8	107.74	2.88	12.07	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.9	97.08	15.29	13.73	8.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	66.78	7.77	11.59	5.77	1.94	1.24	10.62	9.28	0.00	0.00	0.00	0.00
33.1	166.42	2.86	13.86	7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.2	64.76	0.00	13.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.3	117.28	13.33	14.03	7.16	0.13	0.36	4.19	6.29	0.00	0.00	0.00	0.00
33.4	8.95	118.07	5.77	8.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.5	117.24	24.66	11.57	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.6	108.57	22.47	12.17	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.7	123.76	40.74	11.36	10.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.8	77.13	75.25	11.33	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.9	203.46	9.65	14.63	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

34	72.59	67.67	10.83	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.1	149.74	1.11	11.50	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.2	76.74	81.52	12.98	9.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.3	145.64	19.83	11.19	10.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.4	161.08	0.27	14.74	5.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.5	121.91	1.83	13.90	7.38	0.48	0.00	1.00	0.00	0.00	0.00	0.00	0.00
34.6	126.14	0.00	11.48	0.00	0.55	0.41	8.47	12.71	0.00	0.00	0.00	0.00
34.7	127.32	6.80	14.05	8.64	0.50	0.00	8.11	0.00	0.00	0.00	0.00	0.00
34.8	74.35	0.00	12.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.9	70.10	0.12	10.71	4.64	1.43	0.00	1.34	0.00	0.00	0.00	0.00	0.00
35	49.88	1.54	11.30	4.64	0.00	0.00	0.00	0.00	0.28	0.14	3.82	5.74
35.1	107.71	1.04	13.25	10.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.2	40.78	94.92	15.40	14.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.3	65.75	45.19	12.35	17.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.4	138.99	5.97	14.99	14.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.5	135.52	5.94	14.85	12.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.6	81.18	84.34	13.01	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.7	7.20	144.06	10.75	9.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.8	73.65	89.03	10.28	9.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.9	111.95	91.74	11.61	12.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	82.58	107.40	10.10	10.48	0.51	0.00	6.69	0.00	1.51	0.00	8.38	0.00
36.1	167.63	33.23	10.61	9.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.2	109.67	71.62	12.14	9.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.3	111.74	56.69	13.22	8.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.4	196.07	20.65	9.87	7.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.5	142.68	8.92	12.21	17.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.6	65.89	0.00	8.28	0.00	0.34	0.00	2.81	0.00	0.52	0.00	6.08	0.00
36.7	74.39	0.51	13.92	5.29	0.47	0.00	2.72	0.00	0.00	0.00	0.00	0.00
36.8	167.41	1.46	11.59	13.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.9	145.04	0.43	19.14	3.87	0.46	0.00	3.50	0.00	0.00	0.00	0.00	0.00
37	70.74	0.86	11.36	6.85	0.00	0.00	0.00	0.00	0.08	1.05	6.58	9.31
37.1	153.55	3.76	13.71	7.99	3.36	0.00	2.43	0.00	1.67	0.00	5.33	0.00
37.2	86.42	18.38	12.44	8.37	19.57	2.04	3.67	5.89	24.13	2.44	6.08	7.94
37.3	110.16	0.46	11.15	3.01	0.00	0.00	0.00	0.00	0.55	0.00	2.32	0.00
37.4	72.34	0.27	6.36	4.23	1.81	0.00	2.16	0.00	0.00	0.00	0.00	0.00
37.5	96.36	0.00	7.15	0.00	0.96	0.39	1.79	4.65	0.00	0.00	0.00	0.00
37.6	92.64	0.00	7.57	0.00	0.00	0.00	0.00	0.00	1.29	1.44	6.42	6.60
37.7	125.10	0.00	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.8	121.80	0.00	11.06	0.00	0.95	0.00	2.19	0.00	0.00	0.00	0.00	0.00
37.9	170.92	0.20	16.20	8.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	53.15	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.1	30.57	0.00	9.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.2	64.92	0.06	12.54	10.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

38.3	51.53	0.00	10.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.4	110.80	2.03	9.84	10.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.5	101.68	19.70	14.03	6.68	0.00	0.00	0.00	0.00	0.00	0.57	0.00	8.76
38.6	141.78	20.18	12.60	9.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.7	113.07	53.80	14.05	9.59	0.00	0.00	0.00	0.00	0.00	0.62	0.00	7.09
38.8	169.37	2.72	13.78	11.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.9	112.15	35.52	10.96	7.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	192.71	2.53	10.64	15.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.1	123.81	19.48	10.77	10.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.2	94.29	75.47	11.96	9.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.3	131.18	1.92	12.26	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.4	218.95	0.52	13.99	5.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.5	181.83	2.31	15.56	6.23	0.63	0.74	3.73	5.60	0.00	0.00	0.00	0.00
39.6	106.47	10.31	11.43	3.91	0.00	0.00	0.00	0.00	0.44	0.11	4.52	6.77
39.7	182.73	0.00	11.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.8	135.34	0.00	11.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.9	73.43	5.22	14.53	12.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	49.74	0.00	13.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.1	32.28	0.00	9.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.2	5.01	2.48	8.05	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.3	81.09	40.94	9.25	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.4	74.51	24.01	8.89	3.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.5	43.93	10.46	7.49	4.24	2.32	0.00	5.09	0.00	0.00	0.00	0.00	0.00
40.6	52.64	66.30	7.27	2.93	0.37	0.00	5.66	0.00	0.53	0.00	6.37	0.00
40.7	226.57	4.54	14.02	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.8	117.07	55.74	8.65	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.9	126.91	2.25	10.96	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	138.90	53.78	9.94	7.53	0.42	0.00	2.44	0.00	0.00	0.00	0.00	0.00
41.1	127.98	26.48	9.12	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.2	147.19	0.34	11.06	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.3	64.46	0.00	11.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.4	29.30	0.00	7.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.5	90.08	27.16	7.80	2.60	0.34	0.00	4.24	0.00	0.00	0.00	0.00	0.00
41.6	37.25	18.73	8.84	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.7	65.22	22.40	11.15	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.8	87.95	27.28	10.85	3.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.9	58.82	113.08	8.57	2.30	0.46	0.00	2.52	0.00	0.00	0.00	0.00	0.00
42	62.52	108.91	7.16	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.1	140.04	12.33	9.87	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.2	150.31	10.93	9.56	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.3	73.32	0.00	6.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.4	125.87	13.86	9.07	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	108.56	5.45	8.96	3.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

42.6	27.06	109.63	8.25	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.7	37.63	3.46	12.26	3.96	0.49	0.00	2.76	0.00	0.00	0.00	0.00	0.00
42.8	48.01	40.35	6.99	2.49	3.19	0.00	4.40	0.00	0.56	0.00	9.89	0.00
42.9	62.52	68.50	9.41	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	90.65	8.65	6.53	4.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.1	38.02	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.2	72.33	14.82	14.23	13.95	28.32	16.39	17.96	18.50	0.37	0.00	9.32	0.00
43.3	26.61	8.08	7.94	1.81	1.61	0.77	9.72	5.55	0.00	0.00	0.00	0.00
43.4	3.66	6.17	4.12	3.42	1.80	0.00	4.15	0.00	0.00	0.00	0.00	0.00
43.5	6.32	2.74	4.16	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.6	2.53	0.00	2.29	0.00	0.00	0.00	0.00	0.00	0.56	0.00	16.42	0.00
43.7	5.04	0.00	2.31	0.00	1.45	0.00	3.74	0.00	0.00	0.00	0.00	0.00
43.8	54.14	0.48	9.03	4.00	0.38	0.00	3.03	0.00	0.00	0.00	0.00	0.00
43.9	30.69	1.32	8.34	2.38	0.43	0.00	6.13	0.00	0.00	0.00	0.00	0.00
44	15.82	19.08	7.93	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.1	64.08	71.12	8.53	3.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.2	28.77	24.79	9.50	5.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.3	51.57	0.00	7.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.4	112.78	8.49	14.11	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.5	58.15	74.35	9.72	6.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.6	76.24	4.00	9.40	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.7	80.38	20.89	3.92	2.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.8	135.30	1.95	11.78	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.9	91.92	13.66	8.53	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	117.11	15.76	8.38	1.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.1	62.89	14.42	8.04	2.09	0.36	0.00	3.14	0.00	0.00	0.00	0.00	0.00
45.2	21.84	22.04	9.46	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.3	53.34	17.16	7.29	6.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.4	38.02	13.99	10.52	1.93	0.39	0.00	6.45	0.00	0.00	0.00	0.00	0.00
45.5	96.92	6.16	11.54	8.68	0.86	0.00	7.82	0.00	0.00	0.00	0.00	0.00
45.6	50.59	4.90	6.73	7.55	0.43	0.00	9.53	0.00	0.00	0.00	0.00	0.00
45.7	39.35	7.59	7.62	7.95	0.00	0.00	0.00	0.00	0.85	0.00	6.08	0.00
45.8	31.83	4.93	7.15	1.57	1.47	0.00	4.60	0.00	0.00	0.00	0.00	0.00
45.9	86.39	13.67	7.34	7.22	0.98	0.00	3.66	0.00	0.00	0.00	0.00	0.00
46	123.47	5.88	12.17	7.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.1	32.98	98.35	4.67	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.2	32.69	60.21	6.84	4.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.3	64.07	8.51	12.92	1.87	0.00	0.00	0.00	0.00	0.45	0.00	4.94	0.00
46.4	134.88	6.12	11.95	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.5	117.49	9.39	10.04	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.6	96.68	21.97	12.12	1.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.7	99.56	61.33	7.80	5.54	2.37	0.00	3.07	0.00	0.00	0.00	0.00	0.00
46.8	27.36	1.87	6.28	6.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

46.9	8.06	0.26	6.89	8.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	2.34	3.57	3.24	3.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.1	16.35	14.16	10.15	7.60	2.43	0.00	4.96	0.00	0.00	0.00	0.00	0.00
47.2	52.18	11.29	5.71	5.73	0.41	0.00	3.29	0.00	0.00	0.00	0.00	0.00
47.3	13.16	1.45	6.87	10.37	0.00	0.00	0.00	0.00	0.53	0.03	4.43	6.64
47.4	51.60	0.00	8.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	68.10	0.33	11.20	13.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.6	63.60	21.19	9.24	7.01	1.44	0.00	5.50	0.00	0.52	0.00	9.29	0.00
47.7	106.43	3.99	9.53	10.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.8	74.33	13.56	9.02	7.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.9	66.46	25.11	8.85	3.91	0.00	0.00	0.00	0.00	0.38	0.00	4.55	0.00
48	128.43	36.06	9.99	15.03	32.03	22.45	14.07	12.74	0.49	0.00	8.37	0.00
48.1	94.35	56.91	11.98	7.65	26.23	18.29	12.57	13.30	0.56	0.98	1.48	14.48
48.2	31.51	40.21	13.65	8.20	2.59	0.00	4.53	0.00	2.73	0.59	7.21	14.73
48.3	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
48.4	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
48.5	52.25	28.53	10.21	7.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.6	83.23	11.72	12.39	14.20	1.58	0.00	4.26	0.00	0.00	0.00	0.00	0.00
48.7	56.12	1.96	7.52	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.8	50.53	0.00	4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.9	35.64	21.29	7.59	2.83	0.00	0.00	0.00	0.00	0.46	0.00	1.86	0.00
49	51.65	2.47	7.44	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.1	28.64	3.99	4.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.2	67.13	2.50	10.50	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.3	52.13	3.59	6.49	1.62	0.00	0.00	0.00	0.00	0.58	0.00	3.26	0.00
49.4	42.68	10.81	8.68	2.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.5	83.45	11.14	8.03	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.6	65.66	3.02	8.98	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.7	102.71	0.00	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.8	20.21	0.25	7.82	2.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.9	0.84	0.98	1.64	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	57.61	1.43	9.58	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.1	34.04	0.00	12.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.2	21.91	26.41	8.00	9.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.3	82.04	33.95	10.21	5.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.4	149.39	0.00	11.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.5	59.16	3.53	5.25	4.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.6	43.34	0.88	5.76	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.7	6.02	0.00	5.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.8	97.29	0.00	9.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.9	91.51	0.00	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	39.29	40.78	7.74	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.1	30.65	7.33	7.64	5.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

51.2	46.68	6.91	5.42	3.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.3	100.08	20.73	7.54	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.4	54.31	7.93	11.02	1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.5	32.78	0.00	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.6	83.08	1.96	6.96	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.7	26.64	7.41	4.31	1.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.8	65.30	1.20	9.16	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.9	81.67	0.69	5.92	4.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	109.08	10.30	8.89	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.1	80.41	5.17	10.59	8.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.2	117.72	0.00	8.93	0.00	0.38	0.00	10.32	0.00	0.00	0.00	0.00	0.00
52.3	117.22	0.00	5.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.4	109.19	2.06	7.55	6.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	134.19	0.00	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.6	153.31	0.00	9.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.7	113.43	7.41	8.41	1.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.8	28.69	1.00	7.26	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.9	60.05	0.00	7.98	0.00	1.81	0.00	5.30	0.00	1.02	0.00	5.32	0.00
53	56.49	0.35	6.19	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.1	55.20	0.00	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.2	46.29	0.00	5.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.3	98.22	1.16	9.50	7.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.4	69.90	0.00	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.5	31.95	6.13	6.16	5.02	1.00	0.33	9.02	4.82	0.00	0.00	0.00	0.00
53.6	45.82	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.7	53.89	11.84	7.15	10.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	78.60	2.66	7.01	4.89	0.98	0.00	6.40	0.00	0.00	0.00	0.00	0.00
53.9	105.17	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	150.52	1.94	8.12	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.1	73.51	60.11	10.20	5.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.2	138.88	7.96	10.47	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.3	52.03	0.04	8.33	5.65	0.48	0.00	2.25	0.00	0.00	0.00	0.00	0.00
54.4	97.59	10.02	8.51	6.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.5	64.10	66.04	8.35	7.34	0.96	0.00	5.47	0.00	0.00	0.00	0.00	0.00
54.6	67.10	50.45	10.59	6.78	1.35	0.00	5.16	0.00	0.10	0.36	4.70	7.05
54.7	122.72	86.41	9.87	6.87	0.98	0.00	2.30	0.00	0.00	0.00	0.00	0.00
54.8	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
54.9	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
55	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
55.1	15.40	0.00	9.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.2	38.34	1.57	9.89	4.57	1.14	1.15	26.54	31.47	0.50	0.00	2.79	0.00
55.3	20.43	0.00	12.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.4	28.95	7.03	5.70	4.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

55.5	47.33	0.00	10.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.6	39.81	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.7	98.03	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.8	83.14	0.58	12.12	10.20	0.25	0.74	23.00	34.50	0.92	0.00	3.63	0.00
55.9	29.42	0.00	11.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	67.03	0.00	6.65	0.00	0.00	0.00	0.00	0.00	0.58	0.00	3.81	0.00
56.1	55.97	0.16	13.55	11.96	0.00	0.00	0.00	0.00	0.43	0.00	4.52	0.00
56.2	48.44	0.00	14.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.3	45.01	0.00	7.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.4	15.47	0.00	6.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.5	17.36	0.45	4.69	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.6	59.92	0.00	10.37	0.00	0.00	0.00	0.00	0.00	0.93	0.00	4.12	0.00
56.7	78.18	0.00	8.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.8	78.83	0.37	6.37	18.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.9	32.71	0.00	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	38.83	0.00	8.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.1	17.28	0.00	6.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.2	21.17	0.37	6.17	4.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.3	48.69	0.00	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.4	28.20	0.00	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	35.87	0.00	10.03	0.00	0.00	0.00	0.00	0.00	0.50	0.00	6.40	0.00
57.6	61.79	0.53	7.93	4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.7	40.08	0.00	9.81	0.00	0.00	0.00	0.00	0.00	0.44	0.00	7.81	0.00
57.8	43.76	0.00	7.44	0.00	0.00	0.00	0.00	0.00	1.34	0.21	3.67	5.59
57.9	16.79	0.00	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	27.96	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.60	0.00	1.97	0.00
58.1	12.26	0.00	5.99	0.00	0.00	0.00	0.00	0.00	0.46	0.00	1.51	0.00
58.2	17.86	10.76	3.18	5.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.3	72.35	6.57	6.34	6.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.4	66.51	0.00	6.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.5	46.64	0.00	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.6	64.84	0.49	5.32	6.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.7	51.21	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.51	0.00	2.85	0.00
58.8	81.78	0.78	7.86	9.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.9	29.82	0.00	6.78	0.00	0.00	0.00	0.00	0.00	0.37	0.00	4.14	0.00
59	38.97	0.00	6.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.1	21.49	0.00	5.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.2	38.84	0.00	4.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.3	35.74	1.14	2.89	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.4	15.12	2.65	6.43	5.83	0.00	0.00	0.00	0.00	0.47	0.00	2.78	0.00
59.5	50.65	0.77	10.63	6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.6	26.09	0.00	7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.7	3.97	0.00	5.06	0.00	0.00	0.00	0.00	0.00	0.51	0.00	4.46	0.00

59.8	8.44	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.56	0.00	2.96	0.00
59.9	15.50	17.86	5.64	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	58.38	3.97	8.34	17.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.1	26.54	15.12	9.25	7.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.2	14.77	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.53	0.00	2.36	0.00
60.3	43.23	1.00	4.34	8.55	0.00	0.00	0.00	0.00	0.49	0.08	8.07	12.11
60.4	5.55	99.50	5.60	9.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.5	9.47	38.90	3.79	6.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.6	2.94	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.7	14.65	0.00	6.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.8	11.37	0.00	5.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.9	46.26	0.00	11.62	0.00	0.55	0.42	7.50	11.26	0.00	0.00	0.00	0.00
61	94.89	0.81	7.42	5.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.1	54.46	0.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.2	84.48	0.00	9.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.3	57.52	68.73	10.91	8.07	0.47	0.00	3.35	0.00	0.40	0.00	3.64	0.00
61.4	158.33	2.03	11.66	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.5	91.17	69.19	7.92	7.53	0.48	0.00	7.70	0.00	0.54	0.00	2.31	0.00
61.6	144.09	0.98	11.01	5.51	4.50	0.73	5.91	6.15	0.47	0.00	2.06	0.00
61.7	82.59	36.40	9.67	7.87	0.84	0.00	7.43	0.00	0.44	0.00	3.33	0.00
61.8	134.71	0.00	10.47	0.00	0.80	0.00	2.39	0.00	0.49	0.00	7.97	0.00
61.9	135.81	3.62	11.31	5.00	0.45	0.00	3.46	0.00	0.38	0.00	5.25	0.00
62	79.45	9.12	10.26	5.51	0.00	0.00	0.00	0.00	1.05	0.00	4.73	0.00
62.1	120.78	14.57	8.69	5.99	0.13	0.36	2.47	3.71	0.00	0.00	0.00	0.00
62.2	45.11	26.70	8.93	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.3	95.29	36.96	12.07	8.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.4	160.94	23.22	8.79	11.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	77.81	56.41	9.11	16.68	0.00	0.36	0.00	16.73	0.00	0.00	0.00	0.00
62.6	98.02	29.10	9.67	6.28	0.00	0.00	0.00	0.00	0.39	0.00	4.65	0.00
62.7	100.42	15.89	11.24	8.19	0.00	0.00	0.00	0.00	1.46	0.00	7.79	0.00
62.8	19.06	77.20	11.39	10.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.9	92.25	1.83	12.23	6.17	0.00	0.00	0.00	0.00	0.37	0.00	5.44	0.00
63	75.01	0.00	9.08	0.00	0.48	0.00	8.48	0.00	2.43	1.69	10.55	5.77
63.1	75.28	92.47	9.38	7.71	1.28	0.00	4.31	0.00	1.74	0.78	4.38	4.35
63.2	128.89	14.55	6.24	5.04	0.00	0.00	0.00	0.00	0.36	0.00	2.97	0.00
63.3	73.24	1.47	6.64	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63.4	10.16	7.04	7.70	3.44	0.46	0.00	3.08	0.00	1.02	0.00	2.90	0.00
63.5	77.89	64.47	10.69	6.16	1.35	0.00	7.33	0.00	0.00	0.00	0.00	0.00
63.6	34.65	45.48	7.41	13.46	1.09	0.33	5.95	8.98	0.43	0.00	9.10	0.00
63.7	55.43	10.62	10.60	9.16	24.65	20.10	11.56	11.89	3.49	0.19	10.24	3.85
63.8	105.70	5.86	12.71	13.45	10.94	10.69	13.00	12.86	0.41	1.08	4.73	18.49
63.9	153.43	28.01	12.09	13.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	171.76	10.90	12.99	11.23	4.05	4.98	15.69	15.27	1.02	2.06	4.13	18.99

64.1	64.79	43.96	11.51	14.30	2.15	1.12	11.38	9.56	3.04	2.19	6.56	19.21
64.2	0.00	132.82	0.00	8.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.3	85.54	9.76	11.74	5.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.4	109.96	17.67	12.16	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.5	24.34	36.89	9.33	8.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.6	20.37	2.02	9.19	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.7	86.36	42.66	10.82	10.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.8	102.05	37.37	8.97	9.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.9	65.60	11.15	6.30	6.22	0.38	0.00	3.29	0.00	0.00	0.00	0.00	0.00
65	10.47	0.54	7.47	2.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.1	24.29	74.90	8.56	9.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.2	41.88	2.99	14.41	17.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.3	38.56	0.00	9.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.4	53.40	0.42	10.21	10.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.5	34.96	0.40	9.87	8.83	10.98	7.74	14.45	14.99	1.28	0.29	7.04	15.10
65.6	132.95	1.02	8.87	7.59	2.63	0.26	5.80	7.86	0.00	0.00	0.00	0.00
65.7	7.04	2.71	10.77	10.19	0.69	2.25	14.82	9.66	0.50	0.45	14.17	17.88
65.8	8.67	1.52	13.63	7.73	1.03	0.74	20.78	24.82	0.92	0.17	3.82	6.25
65.9	32.58	7.76	7.51	5.83	0.00	0.00	0.00	0.00	0.43	0.00	2.75	0.00
66	144.30	0.00	8.65	0.00	2.06	0.00	6.02	0.00	0.00	0.00	0.00	0.00
66.1	107.10	0.00	8.91	0.00	2.18	0.00	5.71	0.00	0.97	0.00	2.88	0.00
66.2	38.37	0.75	15.25	18.10	0.36	0.00	9.44	0.00	1.27	0.00	4.76	0.00
66.3	6.42	4.12	8.06	6.73	0.82	0.00	1.86	0.00	0.43	0.00	5.22	0.00
66.4	4.02	0.00	5.29	0.00	0.00	0.00	0.00	0.00	0.43	0.00	2.15	0.00
66.5	25.04	1.54	4.92	6.57	0.49	0.00	3.42	0.00	0.00	0.00	0.00	0.00
66.6	67.75	0.00	6.92	0.00	0.00	0.00	0.00	0.00	0.47	0.00	2.07	0.00
66.7	47.28	0.00	7.53	0.00	0.39	0.00	4.55	0.00	0.43	0.00	0.81	0.00
66.8	46.09	0.00	7.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.9	23.05	0.00	6.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	17.82	0.09	5.73	8.91	0.46	0.00	2.93	0.00	0.00	0.00	0.00	0.00
67.1	53.08	1.68	9.20	11.58	12.52	9.22	15.47	14.62	0.79	2.38	23.92	24.65
67.2	36.06	0.00	7.91	0.00	5.64	1.23	7.17	10.43	0.53	0.00	4.09	0.00
67.3	82.10	0.00	5.06	0.00	8.57	1.51	9.73	5.82	1.74	0.39	8.21	7.63
67.4	83.73	0.41	4.08	6.67	2.54	0.77	12.78	18.71	1.73	0.00	6.04	0.00
67.5	99.21	2.01	3.66	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.6	72.30	32.23	10.84	14.18	0.56	0.42	12.37	9.35	0.08	3.46	6.87	12.14
67.7	35.46	28.70	6.15	13.23	1.04	0.42	13.28	12.23	0.18	1.81	8.24	11.11
67.8	48.53	21.82	5.82	10.59	4.66	1.78	15.14	16.19	1.13	0.00	3.62	0.00
67.9	4.02	0.00	3.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	1.88	0.00	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.1	12.86	0.00	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.2	4.06	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.3	7.53	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

68.4	11.10	0.00	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.5	6.54	0.00	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.6	10.08	0.00	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.7	16.88	0.00	7.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.8	6.44	0.00	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.9	2.02	0.00	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.1	42.27	6.61	9.69	15.90	0.52	0.41	12.41	11.57	1.21	0.38	3.49	4.87
69.2	103.06	11.94	7.07	10.39	1.60	0.78	17.76	10.56	1.03	0.81	12.78	22.43
69.3	37.69	6.93	7.03	10.20	3.07	0.69	13.21	11.63	1.50	0.00	3.09	0.00
69.4	19.96	2.16	6.69	8.88	4.65	2.35	7.80	11.90	0.89	0.00	7.81	0.00
69.5	35.24	14.92	10.25	10.75	5.42	2.19	13.92	14.32	1.54	0.45	8.89	15.59
69.6	95.51	66.76	9.81	14.24	9.32	4.89	17.98	21.19	3.52	3.04	12.93	10.78
69.7	85.23	40.95	6.62	11.31	3.27	1.13	12.78	8.96	0.94	0.37	3.91	3.90
69.8	82.24	13.11	6.91	4.71	5.89	0.28	9.07	5.01	1.13	0.00	5.27	0.00
69.9	56.69	11.67	8.91	14.49	9.90	3.14	23.92	30.11	2.97	1.95	10.45	20.90
70	65.35	47.98	10.86	12.12	7.36	5.12	9.97	14.64	0.94	2.88	11.08	13.40
70.1	59.01	33.75	6.35	12.46	7.43	3.57	14.62	13.76	0.59	0.85	4.24	5.64
70.2	117.96	17.57	5.09	12.33	4.72	5.83	18.60	18.41	1.37	0.78	8.58	15.77
70.3	150.52	10.11	15.69	11.41	10.86	12.24	16.40	16.65	0.86	1.89	10.38	17.72
70.4	129.45	11.31	9.39	6.50	6.05	3.78	11.34	8.33	0.14	0.37	5.14	7.71
70.5	76.42	79.35	9.39	13.50	11.72	7.00	14.39	12.57	2.39	1.51	9.51	11.12
70.6	90.01	32.15	9.31	13.98	7.92	3.03	15.18	14.98	3.67	3.38	7.09	10.04
70.7	133.80	26.70	11.84	7.52	3.18	1.39	15.98	20.67	0.67	0.67	19.46	13.82
70.8	77.44	7.86	14.61	17.87	2.44	2.35	14.09	14.33	0.79	0.00	7.04	0.00
70.9	149.95	50.38	12.86	11.03	3.07	3.76	14.20	15.05	2.24	1.59	9.44	15.52
71	76.41	60.29	11.83	13.05	3.51	2.23	14.78	9.82	1.66	3.56	7.55	8.82
71.1	126.15	38.60	15.17	11.37	7.40	4.22	17.38	18.45	2.92	2.87	11.74	12.88
71.2	95.79	73.54	9.34	13.79	12.53	13.26	17.72	17.92	3.59	2.80	10.09	12.15
71.3	94.12	36.70	12.07	11.87	5.17	8.65	24.90	19.83	0.53	4.56	8.69	14.37
71.4	19.67	7.55	9.89	13.85	5.24	0.42	15.53	12.62	1.01	1.48	5.50	5.68
71.5	52.46	60.50	10.55	13.22	1.25	2.14	7.42	10.30	0.21	1.52	3.58	10.15
71.6	34.03	0.00	5.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.7	11.89	2.05	5.76	2.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.8	8.65	0.00	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.9	9.52	0.00	9.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	8.09	0.00	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.1	1.97	0.00	1.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.2	1.97	0.00	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.3	3.62	0.41	6.77	6.42	0.13	0.79	14.89	11.17	0.00	0.00	0.00	0.00
72.4	24.09	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	1.90	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.6	3.55	0.45	3.82	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

72.7	57.37	38.22	16.65	13.27	0.29	1.14	7.41	12.19	0.04	0.35	9.38	14.08
72.8	178.62	30.08	14.29	14.14	3.52	4.10	22.48	18.99	2.39	1.08	13.50	7.75
72.9	135.75	12.91	14.61	14.64	23.45	18.08	13.43	11.91	4.88	1.43	8.85	13.88
73	138.82	16.41	10.75	12.96	10.15	8.28	22.39	23.83	3.30	0.00	8.82	0.00
73.1	193.20	4.17	15.63	11.73	4.36	4.50	19.23	23.79	1.25	1.93	29.78	31.48
73.2	291.87	32.93	19.06	16.60	2.61	5.50	18.84	18.65	1.93	2.69	15.92	16.54
73.3	209.23	5.32	16.52	6.39	0.89	0.42	11.90	8.04	1.83	0.82	9.60	6.37
73.4	124.23	3.62	12.60	7.72	2.41	3.07	22.80	12.89	1.54	0.27	15.67	14.32
73.5	71.66	1.45	12.67	7.05	5.69	1.98	19.88	23.37	1.37	0.00	8.64	0.00
73.6	120.41	5.27	11.08	13.65	5.84	3.70	16.38	21.15	2.62	0.50	20.21	10.99
73.7	52.02	1.25	8.67	7.27	2.02	3.48	24.37	32.19	1.77	0.50	8.98	8.63
73.8	91.57	11.98	12.81	15.80	6.08	6.71	22.95	22.00	1.16	1.78	24.52	31.63
73.9	75.64	6.46	10.68	14.97	4.57	4.43	17.06	19.00	3.21	0.78	21.82	12.34
74	54.73	0.10	10.97	5.70	2.34	2.00	22.55	8.38	0.75	0.00	5.04	0.00
74.1	149.45	0.77	11.42	4.13	0.07	0.36	4.37	6.55	0.64	0.45	4.52	9.21
74.2	107.06	2.63	11.78	12.12	1.31	2.71	13.95	13.59	0.00	0.00	0.00	0.00
74.3	148.75	9.57	12.94	15.63	2.05	0.80	18.84	12.11	0.00	1.09	0.00	6.18
74.4	178.67	4.91	13.39	16.93	0.46	0.00	2.51	0.00	0.00	0.00	0.00	0.00
74.5	196.74	14.52	10.97	5.16	4.62	2.40	14.95	13.40	0.88	0.00	9.78	0.00
74.6	205.50	13.64	15.43	13.53	10.86	8.50	18.77	21.23	9.82	5.51	13.10	10.48
74.7	258.81	7.37	15.49	15.22	0.92	0.25	9.93	7.01	1.00	0.31	16.36	15.76
74.8	190.32	8.75	14.81	24.67	0.00	0.00	0.00	0.00	0.40	1.03	6.62	12.79
74.9	163.18	1.50	10.30	4.15	0.12	0.38	8.63	12.95	0.32	0.55	7.14	10.71
75	228.73	2.49	15.40	13.16	0.12	0.78	7.23	21.70	0.00	0.00	0.00	0.00
75.1	221.93	3.58	18.67	16.70	0.02	0.41	3.22	4.83	0.02	0.56	4.03	6.04
75.2	276.19	1.21	12.95	9.04	0.00	0.00	0.00	0.00	0.00	0.46	0.00	19.70
75.3	251.71	1.89	19.68	28.21	0.00	0.00	0.00	0.00	0.17	0.38	4.43	6.64
75.4	171.89	12.78	20.93	14.99	0.00	0.00	0.00	0.00	0.37	0.10	8.66	12.99
75.5	147.49	1.22	17.05	11.11	1.70	3.06	11.55	20.47	0.52	0.00	3.94	0.00
75.6	155.39	4.17	14.78	20.81	15.65	13.52	17.59	19.14	1.49	1.69	5.34	7.78
75.7	52.36	4.36	12.83	7.22	8.82	4.09	15.22	24.95	3.37	1.12	16.63	16.83
75.8	122.92	2.51	11.56	5.92	4.76	0.78	14.70	19.29	1.00	0.00	11.19	0.00
75.9	121.75	0.32	8.86	8.72	4.88	0.00	6.42	0.00	1.57	0.00	3.85	0.00
76	137.81	35.67	8.30	15.86	6.23	0.00	6.06	0.00	5.35	0.00	4.29	0.00
76.1	155.45	24.80	11.47	16.29	6.21	1.20	18.93	11.94	2.46	0.46	12.03	9.98
76.2	133.43	9.62	18.06	17.97	5.48	5.85	19.80	20.35	0.91	0.00	5.40	0.00
76.3	262.81	6.49	18.00	22.50	0.56	0.42	4.76	7.14	0.00	0.00	0.00	0.00
76.4	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
76.5	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
76.6	250.07	0.00	9.60	0.00	0.00	0.00	0.00	0.00	0.38	0.00	1.69	0.00
76.7	169.03	1.88	15.93	7.06	0.55	0.42	6.24	7.69	1.09	0.55	23.29	16.21
76.8	98.09	0.00	11.42	0.00	0.76	1.57	17.48	7.70	0.86	0.00	3.82	0.00
76.9	93.83	17.62	11.50	5.90	1.45	0.00	7.23	0.00	0.94	0.00	2.75	0.00

77	89.30	1.15	11.66	6.13	0.74	0.00	8.45	0.00	1.75	0.00	8.64	0.00
77.1	132.64	4.42	13.29	5.47	3.40	1.15	16.16	5.38	3.22	0.77	13.08	9.59
77.2	80.73	2.01	6.65	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.3	185.21	10.71	7.12	4.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.4	78.52	7.06	7.56	13.39	5.23	0.00	3.97	0.00	0.78	0.00	1.48	0.00
77.5	61.43	2.24	8.31	4.33	0.89	0.00	5.08	0.00	0.94	0.00	4.54	0.00
77.6	92.35	0.00	6.79	0.00	2.02	0.00	14.88	0.00	1.10	0.00	6.10	0.00
77.7	42.18	3.32	9.82	5.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.8	20.12	1.33	12.43	5.78	1.46	0.00	13.39	0.00	0.00	0.00	0.00	0.00
77.9	149.58	3.69	7.05	2.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	114.67	1.45	7.60	4.61	0.33	0.00	7.49	0.00	0.00	0.00	0.00	0.00
78.1	84.39	10.45	8.75	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.2	10.65	80.78	10.67	9.01	0.46	0.40	3.31	8.44	0.00	0.00	0.00	0.00
78.3	37.70	0.98	9.85	11.45	1.45	0.83	8.30	6.95	0.47	0.00	2.37	0.00
78.4	86.39	12.74	10.14	6.84	0.44	0.00	6.08	0.00	1.70	0.79	6.33	5.18
78.5	81.25	18.82	10.97	9.75	5.69	3.05	11.23	16.52	0.52	0.72	23.58	20.64
78.6	72.76	6.55	9.20	12.14	8.42	0.00	4.78	0.00	1.56	0.00	3.92	0.00
78.7	60.71	0.14	6.18	8.22	3.95	0.00	4.71	0.00	2.83	0.00	2.95	0.00
78.8	90.57	2.38	10.24	5.48	1.38	0.00	5.26	0.00	1.88	0.00	2.99	0.00
78.9	81.72	0.86	7.52	3.64	0.05	0.41	2.60	3.89	0.00	0.00	0.00	0.00
79	89.20	1.28	9.11	6.48	0.00	0.00	0.00	0.00	0.04	0.00	2.18	0.00
79.1	151.14	3.78	6.14	3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.2	112.97	3.10	14.72	4.04	0.86	0.00	18.04	0.00	0.00	0.00	0.00	0.00
79.3	158.09	8.79	14.05	11.32	2.04	1.93	18.00	18.88	1.41	0.00	9.99	0.00
79.4	100.20	11.31	11.12	11.42	4.45	0.83	13.38	6.17	1.09	0.80	8.72	7.81
79.5	86.84	1.32	10.27	8.86	3.69	0.32	10.34	5.71	2.20	0.00	5.69	0.00
79.6	118.26	2.90	13.20	17.14	1.27	0.00	5.24	0.00	1.83	0.00	4.42	0.00
79.7	120.35	16.42	12.20	12.80	4.23	0.00	4.90	0.00	4.43	0.28	4.37	9.74
79.8	115.01	8.83	12.36	7.77	7.12	0.80	11.53	12.05	3.98	0.47	10.92	7.51
79.9	81.69	3.12	10.67	6.13	3.16	0.66	19.70	11.50	1.78	0.31	7.79	5.98
80	148.57	0.83	8.48	20.55	0.08	0.41	4.66	6.99	0.00	0.00	0.00	0.00
80.1	150.38	71.60	15.21	13.39	0.00	0.40	0.00	7.11	0.00	1.50	0.00	6.16
80.2	143.87	39.84	16.76	16.46	9.17	5.40	17.18	18.59	5.18	5.54	16.75	15.19
80.3	39.03	4.35	18.68	9.03	1.65	3.57	23.80	22.30	1.42	1.95	11.61	9.59
80.4	127.60	13.98	11.03	6.93	0.39	0.00	4.80	0.00	0.00	0.00	0.00	0.00
80.5	129.57	2.63	9.71	10.86	0.10	0.76	6.15	9.23	0.53	0.00	8.85	0.00
80.6	92.38	4.85	9.61	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.7	70.50	7.29	12.05	6.36	0.46	0.35	5.69	8.54	1.30	0.45	5.53	7.21
80.8	107.77	44.60	12.71	15.74	22.80	3.96	15.59	14.33	9.32	1.63	8.68	8.89
80.9	157.34	10.89	11.75	9.49	8.30	1.06	14.66	5.59	0.46	2.49	2.46	3.68
81	166.77	12.50	11.66	8.37	1.49	0.00	9.39	0.00	0.90	0.30	4.66	4.53
81.1	193.93	20.10	12.32	10.04	4.53	4.04	11.80	5.92	1.74	3.12	4.32	5.41
81.2	95.05	15.34	12.07	11.77	9.68	2.76	9.14	5.75	4.62	6.13	12.30	13.68

81.3	68.09	17.55	11.33	11.54	12.10	1.26	11.43	5.02	3.88	0.59	21.64	18.59
81.4	56.07	21.92	9.61	11.04	11.01	2.72	13.93	12.61	6.32	3.09	6.71	12.63
81.5	55.61	19.70	10.82	11.99	17.95	4.53	14.82	6.75	4.37	2.06	13.47	5.30
81.6	75.76	16.63	9.24	9.83	13.63	5.23	11.09	6.58	2.42	2.32	6.60	5.50
81.7	32.75	21.02	10.81	8.32	7.36	2.76	20.77	6.97	1.97	3.91	15.82	13.23
81.8	40.92	55.06	10.07	11.41	3.28	1.07	12.83	13.10	1.36	0.91	3.06	3.23
81.9	51.85	25.17	8.80	9.19	13.58	0.74	16.40	11.41	5.10	0.26	4.94	4.14
82	109.27	0.47	8.01	9.58	1.83	0.00	12.65	0.00	1.71	0.00	4.60	0.00
82.1	57.87	5.51	11.49	12.35	7.45	0.42	14.26	8.73	4.02	0.30	11.46	3.22
82.2	70.03	1.59	10.06	5.79	6.75	0.00	9.89	0.00	2.64	1.94	4.82	5.68
82.3	100.23	5.63	10.93	6.78	6.22	0.00	10.62	0.00	1.55	0.00	3.61	0.00
82.4	84.33	11.56	12.39	6.16	3.87	0.74	11.69	8.15	0.63	0.35	12.76	14.47
82.5	32.60	17.44	12.89	11.10	7.37	0.36	13.39	8.40	2.76	0.88	13.79	4.24
82.6	51.52	3.71	8.51	16.69	6.91	3.02	14.53	7.65	2.58	0.44	10.47	3.31
82.7	90.63	11.18	9.56	11.08	6.74	1.75	15.79	12.72	0.39	0.00	1.95	0.00
82.8	59.02	22.31	11.62	16.94	2.31	1.37	11.10	6.69	3.17	2.80	3.82	12.77
82.9	45.33	25.86	9.62	11.53	1.87	2.04	13.36	7.24	3.04	0.67	5.39	8.01
83	78.95	15.69	12.89	11.54	2.13	0.66	8.37	14.17	0.87	0.25	3.42	5.14
83.1	79.07	21.14	12.41	13.58	10.48	2.84	14.22	12.51	2.58	1.15	10.62	9.62
83.2	107.93	2.37	11.85	8.64	2.61	1.23	23.09	14.45	1.47	0.51	4.03	2.41
83.3	21.56	15.00	8.65	13.17	10.42	2.93	8.72	12.40	4.07	0.91	2.88	3.60
83.4	44.42	7.64	10.67	19.08	4.94	1.52	20.37	15.14	3.98	0.54	19.67	18.24
83.5	59.03	31.83	10.81	15.89	5.07	0.73	12.55	8.21	3.92	0.81	3.95	6.68
83.6	76.56	23.73	11.77	13.40	6.75	0.36	15.27	8.37	1.21	0.93	3.22	4.68
83.7	66.11	15.34	10.98	12.55	8.45	4.51	10.75	9.37	6.67	4.62	14.84	13.30
83.8	80.38	52.40	12.59	13.28	7.53	3.39	18.20	22.73	3.39	3.84	12.42	7.77
83.9	48.21	13.83	10.35	16.72	12.75	1.55	9.72	6.66	15.17	1.56	16.78	28.10
84	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
84.1	151.07	45.62	14.94	17.99	10.85	5.53	14.34	14.90	1.73	0.89	10.13	5.70
84.2	154.69	22.02	11.31	14.17	7.61	2.25	13.48	5.94	1.18	1.54	11.53	16.49
84.3	129.39	16.48	11.75	13.79	13.31	1.48	12.75	15.96	6.22	1.29	9.11	11.23
84.4	43.58	20.38	11.52	7.73	11.54	0.93	14.07	4.63	3.79	0.63	12.05	5.40
84.5	88.55	13.25	13.21	11.22	10.12	1.38	18.10	4.75	7.73	0.39	7.44	9.06
84.6	96.31	27.34	11.39	6.33	4.80	1.51	13.09	13.53	2.26	1.17	8.68	8.75
84.7	38.61	21.53	13.27	13.22	9.01	3.41	9.12	6.52	1.88	2.39	4.28	10.85
84.8	84.22	5.24	11.87	4.86	9.06	3.26	5.02	6.75	4.28	1.50	7.75	6.86
84.9	45.04	44.69	11.52	14.62	2.40	2.26	15.86	14.10	0.00	0.00	0.00	0.00
85	15.98	94.17	5.53	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.1	85.37	73.26	10.84	14.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.2	181.82	0.00	9.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.3	140.29	11.48	9.25	11.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.4	117.37	37.81	7.56	12.72	0.00	0.00	0.00	0.00	0.00	0.42	0.00	4.66
85.5	95.71	4.02	6.70	3.19	0.00	0.00	0.00	0.00	0.56	0.00	2.78	0.00

85.6	78.56	0.75	7.57	3.26	0.42	0.00	1.28	0.00	0.00	0.00	0.00	0.00
85.7	179.27	32.68	9.53	26.09	2.47	0.00	5.80	0.00	0.00	0.00	0.00	0.00
85.8	167.51	57.24	10.36	11.24	1.08	0.00	6.27	0.00	0.00	0.00	0.00	0.00
85.9	195.31	28.20	10.11	9.71	3.74	0.00	5.25	0.00	1.78	0.11	5.65	3.06
86	143.55	67.43	10.13	8.62	1.67	0.00	6.51	0.00	0.85	0.00	10.72	0.00
86.1	181.32	10.54	11.39	23.66	0.79	0.00	6.26	0.00	0.00	0.00	0.00	0.00
86.2	139.00	13.57	10.08	6.50	2.16	0.00	4.96	0.00	0.99	0.00	7.01	0.00
86.3	129.73	20.77	9.32	8.55	2.51	2.32	15.53	15.01	0.00	0.00	0.00	0.00
86.4	199.98	30.75	11.10	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.5	154.61	82.58	17.15	16.58	3.64	0.82	26.03	14.08	0.83	0.00	5.03	0.00
86.6	243.52	0.02	8.58	6.06	0.96	0.00	8.61	0.00	0.38	0.00	11.04	0.00
86.7	124.37	0.55	10.61	9.55	0.59	0.33	8.20	11.89	0.00	0.00	0.00	0.00
86.8	211.36	0.29	13.30	9.82	0.99	0.00	6.93	0.00	1.52	0.00	8.52	0.00
86.9	229.77	0.00	10.10	0.00	6.68	0.00	7.02	0.00	5.71	0.00	8.93	0.00
87	243.30	3.85	8.83	6.89	9.25	0.00	6.87	0.00	1.45	0.00	6.02	0.00
87.1	266.49	0.00	9.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.2	73.52	0.52	7.92	12.25	0.00	0.00	0.00	0.00	0.00	0.51	0.00	17.48
87.3	157.00	16.69	8.83	5.90	8.30	1.54	18.38	18.65	0.51	0.00	7.32	0.00
87.4	163.97	6.24	10.98	7.38	4.39	0.00	7.41	0.00	2.53	0.11	5.55	4.03
87.5	186.81	2.88	9.99	5.94	5.28	0.00	6.72	0.00	0.00	0.00	0.00	0.00
87.6	211.20	14.14	11.25	5.21	0.45	0.00	4.72	0.00	0.00	0.00	0.00	0.00
87.7	205.17	1.80	11.47	8.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.8	202.88	0.09	10.04	6.60	1.46	0.00	3.69	0.00	0.52	0.00	3.24	0.00
87.9	151.62	14.48	10.20	13.32	6.10	0.00	4.95	0.00	3.55	0.00	5.82	0.00
88	162.39	4.86	11.37	15.88	1.65	0.00	3.60	0.00	1.73	0.55	12.92	8.14
88.1	169.90	1.04	12.52	2.31	0.48	0.00	7.39	0.00	0.00	0.00	0.00	0.00
88.2	193.71	16.12	9.64	17.24	0.00	0.00	0.00	0.00	0.46	0.00	5.93	0.00
88.3	51.16	53.90	8.79	12.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.4	122.08	21.85	11.06	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.5	188.56	0.00	9.21	0.00	2.12	0.00	5.77	0.00	0.49	0.08	2.50	3.74
88.6	241.78	0.00	10.26	0.00	3.38	0.00	5.81	0.00	0.44	0.00	4.91	0.00
88.7	212.65	1.99	12.42	8.83	9.34	0.00	6.22	0.00	2.34	0.00	12.66	0.00
88.8	148.70	6.32	11.77	12.51	4.76	0.00	6.49	0.00	1.00	0.00	4.10	0.00
88.9	119.86	2.87	8.99	6.46	1.46	0.00	6.42	0.00	1.07	0.00	6.02	0.00
89	169.86	0.00	9.63	0.00	9.61	0.00	6.25	0.00	1.67	0.00	8.64	0.00
89.1	157.08	6.61	14.67	12.58	5.69	0.00	6.87	0.00	0.99	0.00	6.32	0.00
89.2	190.01	32.94	13.09	10.81	6.23	1.54	18.68	19.52	8.90	0.45	6.13	6.37
89.3	189.46	25.92	10.77	7.75	4.11	0.00	5.32	0.00	3.88	0.17	6.77	9.96
89.4	144.17	0.00	9.56	0.00	4.93	0.00	5.68	0.00	0.00	0.00	0.00	0.00
89.5	173.34	0.00	12.65	0.00	7.68	0.00	5.61	0.00	1.27	0.00	8.74	0.00
89.6	226.55	0.00	11.67	0.00	4.85	0.00	5.57	0.00	0.85	0.00	10.15	0.00
89.7	193.52	8.20	9.88	9.03	1.09	0.36	13.14	5.85	0.33	0.00	8.27	0.00
89.8	127.94	10.76	10.02	9.93	0.13	0.37	4.26	6.39	0.00	0.00	0.00	0.00

89.9	166.87	5.03	13.59	12.01	3.72	1.55	16.33	16.42	0.74	0.40	9.45	8.27
90	121.44	24.99	11.70	8.84	2.29	0.00	4.92	0.00	10.17	0.00	9.96	0.00
90.1	116.98	6.62	16.28	12.56	2.12	0.83	8.28	4.38	6.37	0.00	9.90	0.00
90.2	134.68	6.01	13.99	9.65	1.69	0.00	10.11	0.00	1.77	0.00	6.08	0.00
90.3	179.20	15.03	15.57	11.60	1.73	0.00	4.50	0.00	2.24	0.00	13.63	0.00
90.4	125.64	4.00	13.25	15.30	1.38	0.00	10.87	0.00	2.63	0.41	10.91	6.64
90.5	98.40	25.99	14.65	8.47	2.65	0.00	4.54	0.00	17.26	0.44	7.76	9.49
90.6	93.36	17.02	13.63	7.90	1.52	0.37	4.41	9.34	6.74	0.45	7.14	6.08
90.7	95.11	0.00	11.05	0.00	0.50	0.00	3.56	0.00	0.00	0.00	0.00	0.00
90.8	85.50	0.97	6.44	1.89	0.00	0.00	0.00	0.00	0.57	0.00	8.14	0.00
90.9	71.43	0.52	7.87	5.46	0.00	0.00	0.00	0.00	1.35	0.71	5.39	8.16
91	106.66	0.67	11.85	15.40	0.49	0.32	5.33	5.93	0.84	0.00	17.44	0.00
91.1	45.80	23.63	13.45	14.14	7.56	4.05	13.99	14.97	2.10	0.15	4.47	5.11
91.2	4.47	0.43	5.93	10.23	15.51	9.32	12.72	12.26	0.99	0.66	19.25	14.60
91.3	0.00	0.00	0.00	0.00	21.64	16.65	12.45	12.15	0.00	0.00	0.00	0.00
91.4	25.01	29.78	15.97	16.87	24.86	18.40	14.35	13.26	4.74	1.20	16.51	10.96
91.5	79.40	21.35	14.14	20.10	6.60	1.50	8.46	11.92	16.31	0.00	15.97	0.00
91.6	117.01	35.30	13.60	8.36	3.55	0.00	4.26	0.00	15.45	0.00	7.88	0.00
91.7	124.11	48.26	11.02	8.64	4.74	0.00	5.58	0.00	13.61	0.28	7.43	12.78
91.8	86.10	0.00	4.55	0.00	0.00	0.00	0.00	0.00	1.14	0.00	13.13	0.00
91.9	127.70	10.75	16.24	13.13	16.27	13.98	16.50	17.17	10.00	1.39	17.41	17.95
92	8.53	5.46	3.42	3.15	1.44	0.00	1.77	0.00	3.14	0.00	3.50	0.00
92.1	25.25	4.48	5.44	4.86	2.00	0.00	11.70	0.00	1.38	0.00	4.36	0.00
92.2	124.33	116.86	12.56	14.13	10.73	12.90	14.90	13.94	6.51	13.13	13.40	10.51
92.3	127.75	110.04	14.62	14.36	6.97	7.25	13.42	13.03	1.53	2.78	13.21	12.04
92.4	145.67	110.73	14.10	16.26	7.07	1.11	8.86	10.75	6.89	2.73	10.90	7.71
92.5	161.77	133.92	9.46	17.71	8.96	3.84	9.85	7.59	4.75	2.71	8.35	7.31
92.6	204.10	74.20	12.95	17.13	12.56	6.92	12.14	6.75	2.92	1.04	12.51	5.74
92.7	265.64	39.01	20.52	13.89	9.34	2.17	13.49	12.31	3.83	0.54	8.93	19.27
92.8	225.54	87.61	14.92	10.53	12.45	6.65	12.53	11.02	4.64	1.76	4.59	7.09
92.9	226.81	51.38	14.14	11.36	12.84	9.69	12.03	5.81	4.17	5.01	9.66	4.29
93	301.99	37.24	16.45	11.01	7.33	5.73	8.48	13.11	2.35	2.37	12.66	9.00
93.1	296.06	43.65	15.12	13.96	11.83	11.81	11.75	11.72	5.05	2.26	13.56	10.59
93.2	274.37	45.79	15.53	14.21	11.72	4.11	11.73	15.41	4.52	0.84	8.43	9.23
93.3	289.36	13.89	13.11	13.11	7.15	1.02	10.19	15.27	2.89	2.68	9.62	13.46
93.4	287.85	3.62	17.54	3.70	5.50	5.15	9.46	14.39	1.58	0.46	13.01	9.43
93.5	241.68	52.93	17.31	13.13	5.99	3.31	15.06	14.53	2.21	0.80	10.06	5.01
93.6	130.89	115.43	12.62	13.52	2.15	1.19	15.52	6.66	0.84	0.59	3.77	4.51
93.7	73.66	82.54	15.67	13.95	3.39	1.22	19.51	8.83	12.16	8.96	17.94	17.57
93.8	165.32	24.08	16.13	18.14	8.53	4.96	18.95	13.76	11.28	8.75	23.69	24.68
93.9	151.10	3.51	16.94	3.08	15.95	10.70	11.73	11.68	1.12	1.36	6.29	7.02
94	183.22	97.38	13.70	15.62	19.63	6.69	13.26	14.39	4.84	2.01	8.84	10.06
94.1	147.61	46.20	11.00	12.94	13.64	0.54	8.81	11.90	4.41	0.65	14.73	26.12

94.2	162.26	34.77	12.81	9.46	8.96	1.19	10.90	7.43	4.93	1.58	10.24	7.46
94.3	233.17	10.61	16.12	14.71	3.24	4.03	17.65	9.37	0.86	0.36	8.01	4.94
94.4	231.85	39.97	15.46	14.73	14.66	7.28	15.63	14.33	4.41	2.33	18.85	16.61
94.5	249.77	46.39	17.69	17.59	9.45	8.57	18.99	17.49	4.09	2.82	15.00	14.47
94.6	235.15	1.01	14.54	3.41	11.33	2.14	8.56	9.55	1.22	0.47	8.37	4.33
94.7	288.09	1.04	16.92	3.76	4.36	0.00	12.12	0.00	2.03	0.00	6.38	0.00
94.8	259.81	16.82	13.12	16.51	6.12	0.77	12.17	16.63	2.93	0.00	4.58	0.00
94.9	125.23	1.32	21.90	3.70	2.58	1.92	9.24	9.30	12.72	11.81	20.70	20.77
95	289.31	4.46	16.00	11.37	2.11	0.41	8.08	4.37	0.56	0.00	5.97	0.00
95.1	198.90	37.96	12.18	9.91	1.75	0.42	8.54	5.87	1.20	1.41	3.38	4.40
95.2	259.10	11.91	15.00	10.91	0.15	0.82	2.63	3.95	1.00	0.39	13.69	16.01
95.3	217.35	1.53	10.12	4.13	1.72	0.00	4.40	0.00	0.43	0.00	2.84	0.00
95.4	70.12	73.66	16.93	17.48	0.60	0.77	14.06	10.96	0.00	0.38	0.00	14.48
95.5	184.67	24.92	14.85	12.92	2.13	3.69	15.24	14.86	0.66	6.06	12.42	10.43
95.6	72.04	4.43	11.01	15.84	12.37	10.34	14.75	13.96	0.00	0.00	0.00	0.00
95.7	46.46	7.09	11.44	19.95	0.13	0.36	2.94	4.41	0.00	0.00	0.00	0.00
95.8	118.88	1.34	11.29	16.29	0.08	0.38	7.44	11.17	0.58	0.00	7.93	0.00
95.9	39.42	11.87	13.59	8.35	0.00	0.00	0.00	0.00	0.12	0.30	3.33	5.00
96	10.56	19.41	9.80	8.80	0.00	0.00	0.00	0.00	0.03	0.38	3.39	5.08
96.1	132.41	0.00	7.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.2	104.40	8.71	15.18	13.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.3	48.24	0.00	9.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.4	54.65	14.63	14.31	15.80	0.00	0.00	0.00	0.00	0.14	0.39	6.53	9.80
96.5	63.99	0.46	11.82	6.60	1.16	0.86	22.38	12.72	11.06	14.12	14.79	14.46
96.6	94.02	0.96	13.66	5.94	3.25	1.95	31.04	11.85	3.77	7.06	18.28	18.92
96.7	132.50	0.00	16.90	0.00	0.00	0.00	0.00	0.00	0.41	0.00	3.47	0.00
96.8	163.29	0.00	13.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96.9	81.96	0.00	17.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	47.80	12.57	15.20	9.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.1	50.34	0.85	7.66	6.77	0.47	0.00	3.26	0.00	0.00	0.00	0.00	0.00
97.2	46.14	11.15	12.76	7.74	0.80	1.14	18.73	13.19	2.18	0.56	20.84	33.09
97.3	98.33	12.40	8.74	9.80	0.48	0.00	9.51	0.00	0.00	0.00	0.00	0.00
97.4	114.39	17.74	11.05	10.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	75.35	29.67	17.41	15.90	6.77	3.42	17.91	16.28	0.53	0.83	10.58	7.89
97.6	150.65	2.45	12.19	4.17	0.39	1.10	2.82	4.23	0.15	0.42	5.76	8.65
97.7	186.53	5.77	15.28	26.43	2.16	0.72	4.50	4.85	0.81	0.00	3.41	0.00
97.8	3.58	53.52	4.99	13.46	0.98	0.35	14.46	10.78	0.00	0.00	0.00	0.00
97.9	59.89	17.76	14.00	16.44	7.97	6.20	7.97	7.46	0.09	0.48	8.03	12.04
98	127.55	22.87	10.37	5.73	0.42	0.00	7.94	0.00	0.00	0.00	0.00	0.00
98.1	150.19	4.61	10.65	4.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.2	149.94	2.56	11.83	3.42	0.61	0.34	2.87	4.27	0.53	0.00	5.13	0.00
98.3	115.08	2.17	14.40	4.69	1.77	0.00	4.15	0.00	1.05	0.00	6.55	0.00
98.4	66.14	0.00	10.17	0.00	0.00	0.00	0.00	0.00	1.28	0.07	2.78	4.70

98.5	23.33	0.01	12.55	5.87	0.13	0.33	2.46	3.69	0.00	0.00	0.00	0.00
98.6	68.94	0.34	13.56	5.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98.7	60.77	3.65	15.39	9.22	0.97	0.00	4.97	0.00	0.00	0.00	0.00	0.00
98.8	64.79	13.65	13.78	8.20	0.47	0.00	2.15	0.00	1.04	0.00	2.34	0.00
98.9	74.74	9.70	11.63	4.93	1.59	0.72	3.44	5.02	0.46	0.00	3.45	0.00
99	69.45	2.51	10.15	6.35	0.43	0.00	3.53	0.00	0.00	0.00	0.00	0.00
99.1	113.58	1.88	16.42	22.63	0.75	0.00	5.56	0.00	0.93	0.00	3.38	0.00
99.2	165.94	13.88	14.91	15.07	0.34	0.00	8.91	0.00	3.22	0.00	8.12	0.00
99.3	87.43	37.52	11.47	6.96	0.48	0.00	3.30	0.00	1.97	0.67	10.83	13.86
99.4	96.72	14.83	8.98	13.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99.5	32.55	0.90	9.25	7.82	0.61	0.36	7.60	11.41	0.00	0.00	0.00	0.00
99.6	45.99	20.10	13.21	18.13	0.46	0.00	3.59	0.00	0.12	2.18	5.53	4.15
99.7	102.72	30.93	11.98	10.26	0.45	0.75	14.96	19.22	0.14	1.34	2.78	4.94
99.8	76.10	66.35	11.88	11.55	3.30	2.61	15.93	14.01	0.86	0.46	12.25	2.21
99.9	36.32	63.13	11.39	13.53	9.63	20.58	7.06	6.78	1.13	3.40	15.95	15.43
100	55.74	79.48	11.07	11.17	0.35	0.98	6.26	9.39	1.03	3.14	6.30	4.19
100.1	6.59	0.00	8.28	0.00	3.06	6.79	5.07	5.47	6.28	5.56	15.39	16.61
100.2	53.71	27.63	11.07	8.80	0.08	0.43	2.04	3.06	6.26	8.09	15.36	17.55
100.3	96.77	26.99	10.85	10.92	0.00	0.00	0.00	0.00	0.62	2.21	10.00	14.67
100.4	61.00	13.50	12.31	9.37	3.37	4.92	8.14	9.59	10.84	7.29	16.32	15.92
100.5	52.47	101.94	9.09	9.94	0.00	0.00	0.00	0.00	0.00	0.62	0.00	4.39
100.6	79.24	92.50	14.65	14.94	0.00	0.00	0.00	0.00	0.45	0.46	4.62	2.32
100.7	92.33	29.12	11.84	10.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.8	109.99	52.87	15.35	10.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.9	111.40	25.89	12.97	13.89	7.13	3.84	7.82	2.23	0.00	0.55	0.00	4.02
101	39.12	23.78	11.79	11.18	5.65	5.04	11.17	10.86	1.87	2.23	15.07	24.07
101.1	106.35	56.18	13.70	11.06	0.00	0.00	0.00	0.00	0.00	1.81	0.00	11.90
101.2	62.27	22.26	12.78	5.86	0.00	0.00	0.00	0.00	0.04	0.39	2.37	3.55
101.3	77.15	12.90	11.92	12.91	0.22	0.75	4.10	6.15	0.08	0.42	2.60	3.89
101.4	47.79	11.73	7.60	12.25	3.53	1.54	11.52	15.03	0.50	0.00	6.28	0.00
101.5	107.64	9.18	6.03	6.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.6	51.44	37.14	6.22	10.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.7	0.00	62.94	0.00	6.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101.8	38.56	46.58	4.10	5.82	0.00	0.00	0.00	0.00	0.00	0.45	0.00	11.46
101.9	45.10	0.00	3.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	6.42	6.67	18.51	19.53	0.16	1.11	5.60	8.64	1.03	0.12	4.30	6.44
102.1	2.05	0.00	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.2	25.85	32.64	8.33	14.87	9.09	7.00	14.96	14.03	5.92	4.14	18.09	15.25
102.3	9.55	0.00	8.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.4	2.05	0.00	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.6	57.62	31.52	9.87	15.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.7	6.05	0.00	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

102.8	21.56	1.34	5.96	3.88	4.63	3.07	15.29	14.60	1.06	0.01	4.84	7.27
102.9	5.44	6.59	2.95	4.35	16.74	11.93	14.12	14.81	0.69	0.36	5.72	8.58
103	12.86	0.07	2.64	3.66	0.47	0.00	0.92	0.00	0.00	0.00	0.00	0.00
103.1	75.84	13.35	12.88	11.49	7.44	0.00	13.13	0.00	6.47	2.86	7.53	10.01
103.2	133.83	29.62	11.75	11.89	30.59	9.14	12.76	11.60	16.40	8.57	9.99	10.86
103.3	121.82	13.47	13.52	7.55	9.42	0.36	9.40	3.67	7.26	1.07	7.87	4.09
103.4	81.77	21.37	13.58	15.27	26.98	3.40	4.25	7.36	10.55	1.38	6.34	4.38
103.5	114.73	8.40	12.03	12.40	17.09	6.22	11.32	6.64	5.57	3.06	15.97	9.46
103.6	127.72	96.49	12.02	12.34	29.37	14.29	13.02	13.98	15.11	7.27	11.74	7.91
103.7	111.12	74.33	12.54	15.06	35.58	1.18	12.99	4.18	7.78	1.17	6.30	4.51
103.8	217.39	48.84	14.10	12.19	31.44	12.53	15.97	6.60	16.88	5.29	14.90	6.21
103.9	146.09	32.00	11.92	10.34	25.15	10.18	15.17	5.41	21.53	12.70	17.77	6.28
104	119.28	11.91	11.86	12.95	14.89	2.11	4.01	4.36	14.35	2.81	9.76	3.75
104.1	126.70	0.79	13.20	6.39	18.03	0.00	16.30	0.00	5.12	0.00	9.26	0.00
104.2	93.28	4.20	15.05	9.12	15.94	0.00	9.92	0.00	8.33	0.06	10.07	4.32
104.3	49.72	14.04	14.58	8.99	20.66	1.33	7.98	7.46	3.26	0.90	13.20	6.21
104.4	102.90	14.33	13.31	10.45	19.46	2.63	9.84	8.18	9.30	1.51	6.80	3.37
104.5	28.82	26.96	9.67	7.23	15.34	2.32	9.97	5.76	6.93	3.41	3.03	4.54
104.6	51.97	23.96	11.54	11.05	21.72	0.24	6.74	8.61	6.62	1.34	3.32	3.54
104.7	57.49	6.69	12.74	9.78	18.08	0.39	11.47	3.60	8.00	0.02	9.25	4.16
104.8	44.79	38.35	11.28	10.91	22.30	3.90	6.70	5.61	5.27	2.46	3.59	12.40
104.9	69.06	37.31	12.03	9.62	22.13	6.95	7.95	6.20	11.10	5.62	11.55	4.57
105	57.10	19.69	10.71	10.51	19.29	1.25	8.49	5.43	6.21	3.33	9.21	4.48
105.1	28.51	3.32	14.09	8.11	10.78	0.00	8.38	0.00	3.59	0.75	11.85	7.22
105.2	22.09	29.85	11.92	7.03	8.47	3.07	8.39	3.94	2.26	2.23	2.92	4.11
105.3	16.96	7.48	13.73	9.99	7.80	0.31	7.48	3.86	2.49	0.00	9.27	0.00
105.4	122.36	1.90	12.74	3.40	10.79	1.60	10.70	6.71	6.33	0.00	9.12	0.00
105.5	49.41	27.37	14.39	9.91	17.88	4.47	8.33	7.15	6.65	3.28	14.04	4.92
105.6	16.18	18.83	10.44	5.05	19.37	6.21	8.75	7.16	3.15	1.86	3.53	5.66
105.7	49.51	1.63	10.67	12.17	11.42	0.00	8.00	0.00	0.94	0.00	13.88	0.00
105.8	58.73	1.26	11.57	7.37	12.85	0.00	8.21	0.00	4.58	0.09	6.09	8.19
105.9	28.97	10.19	9.27	7.92	9.07	0.71	10.50	4.80	5.51	0.74	2.93	4.05
106	40.50	1.44	11.13	10.45	14.15	0.80	8.67	5.88	2.40	0.00	3.97	0.00
106.1	78.34	2.51	10.68	12.19	8.78	0.66	10.98	3.83	4.51	0.00	7.34	0.00
106.2	58.92	7.45	11.71	9.96	10.46	0.69	9.06	6.22	5.24	0.43	7.40	4.35
106.3	44.87	20.95	14.86	14.05	16.85	2.92	8.18	13.63	4.86	0.92	17.05	5.91
106.4	20.28	43.65	11.18	9.13	11.37	0.00	9.22	0.00	0.91	1.05	5.55	3.09
106.5	30.02	4.67	6.45	7.94	3.97	0.34	9.71	5.82	2.74	0.52	3.76	4.14
106.6	13.35	0.36	9.58	3.20	2.12	0.00	6.98	0.00	0.42	0.00	2.97	0.00
106.7	88.77	3.62	10.55	5.86	6.37	0.27	11.36	5.18	1.97	0.00	9.47	0.00
106.8	45.64	34.52	11.60	6.64	10.67	2.54	10.28	12.26	4.89	1.18	9.75	5.51
106.9	63.40	54.99	13.91	13.11	16.70	3.49	17.58	5.77	4.10	0.79	6.16	3.58
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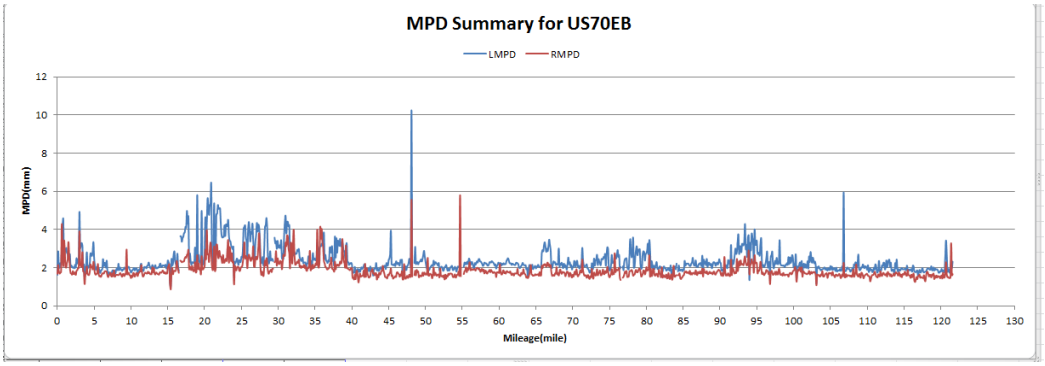
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107.3	282.86	0.00	10.46	0.00	2.67	0.00	5.38	0.00	1.79	0.00	12.00	0.00
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107.5	169.97	0.61	13.97	5.32	22.72	1.13	15.33	6.51	3.68	0.59	8.72	7.28
107.6	156.52	11.62	10.17	11.14	22.05	1.21	8.70	4.63	7.56	0.31	3.42	3.91
107.7	97.43	9.34	15.08	12.62	26.64	2.22	15.31	15.17	7.48	0.38	12.60	8.27
107.8	155.62	26.95	11.32	10.55	24.75	4.51	14.39	9.29	9.22	1.83	7.94	9.50
107.9	102.16	27.05	12.24	11.26	30.35	3.63	12.01	9.53	11.53	2.68	7.96	9.31
108	58.05	26.63	12.03	6.33	35.50	9.95	14.35	20.48	14.86	10.07	13.63	9.81
108.1	35.72	43.33	11.84	7.82	59.12	2.83	17.35	8.09	12.09	3.27	13.99	7.40
108.2	55.51	60.73	12.88	14.31	56.98	4.56	15.04	14.46	14.89	5.06	12.47	12.73
108.3	77.32	50.47	11.81	15.24	52.00	1.96	15.17	12.84	10.45	3.38	12.52	13.61
108.4	112.06	29.34	11.43	8.91	38.48	6.43	14.17	6.35	15.13	3.35	12.26	9.25
108.5	126.00	108.75	13.59	7.11	34.27	21.15	13.68	7.16	17.75	11.04	14.38	6.94
108.6	103.55	48.34	14.44	10.68	28.05	7.15	10.21	7.78	12.88	5.25	12.92	17.64
108.7	139.38	21.36	13.19	15.00	19.03	1.30	11.50	5.28	16.42	1.47	8.54	12.91
108.8	91.11	37.27	14.09	11.91	19.75	6.05	10.41	6.66	15.54	6.91	7.00	12.93
108.9	88.07	33.69	12.44	11.86	26.47	6.17	14.40	5.43	11.31	1.83	6.46	6.03
109	76.14	31.19	12.20	6.52	25.55	4.86	11.87	12.86	9.00	2.51	13.25	11.74
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109.2	108.52	46.66	10.94	12.46	26.35	8.93	13.58	6.17	11.40	5.31	8.83	5.38
109.3	92.92	88.34	13.25	15.02	27.67	12.01	17.23	7.68	21.23	8.76	9.83	5.93
109.4	40.23	75.65	9.46	10.10	33.42	9.64	13.67	6.92	10.13	3.61	6.67	5.74
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109.6	71.70	35.96	11.00	11.01	20.13	3.27	11.37	5.55	13.77	5.05	10.75	7.66
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109.9	25.69	105.69	10.96	9.65	26.03	14.00	7.81	5.81	6.47	7.96	7.23	5.84
110	70.60	46.30	8.38	6.35	20.62	2.70	10.25	6.94	8.05	0.96	15.72	4.61
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110.2	125.95	22.93	13.93	13.27	16.20	2.63	12.34	5.98	4.94	1.68	10.85	18.46
110.3	158.56	2.83	12.92	3.05	20.28	8.20	15.89	19.62	2.82	0.64	15.79	8.13
110.4	94.59	42.57	9.44	10.99	14.80	3.12	9.42	6.72	3.63	0.74	4.27	3.70
110.5	39.57	6.06	10.94	9.27	6.36	2.31	7.80	4.79	6.28	0.00	2.46	0.00
110.6	40.26	20.08	11.01	5.21	10.75	2.99	9.30	6.11	7.52	4.01	7.79	4.49
110.7	31.54	6.17	9.34	3.11	8.83	1.97	12.12	4.66	2.99	0.41	9.90	3.34
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110.9	20.60	2.43	11.58	12.99	14.40	0.74	13.96	13.39	4.83	0.54	15.10	7.29
111	189.11	4.42	15.14	14.38	4.83	0.00	7.81	0.00	0.92	0.00	2.95	0.00
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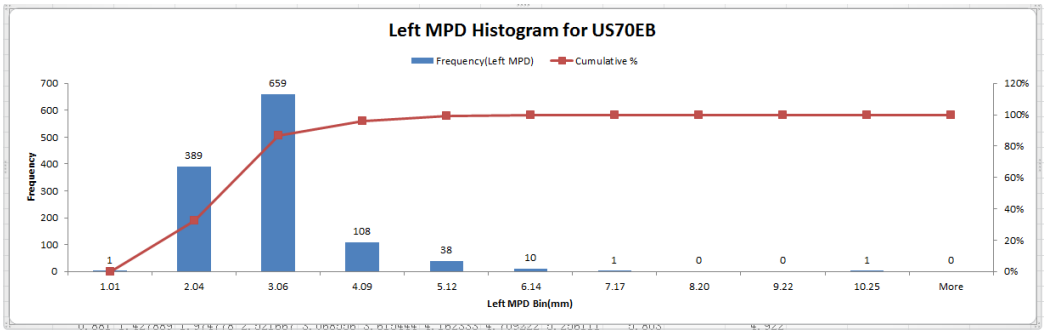
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112	15.06	1.41	7.17	6.84	11.95	1.87	8.77	6.17	2.84	0.00	13.16	0.00
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112.4	9.03	1.95	3.20	5.60	11.96	0.00	13.90	0.00	4.51	0.00	8.11	0.00
112.5	8.57	3.55	12.12	8.78	13.88	0.27	15.04	4.15	2.49	0.39	18.28	11.31
112.6	12.86	8.52	8.74	7.82	12.61	0.34	13.96	7.75	2.81	0.79	9.12	5.78
112.7	17.26	1.00	6.39	10.85	21.32	0.62	14.80	6.02	6.82	0.00	14.44	0.00
112.8	22.32	0.00	6.01	0.00	20.34	0.61	12.60	7.76	3.14	0.00	15.25	0.00
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113	25.73	0.00	13.92	0.00	7.74	0.72	13.35	5.48	2.36	0.00	14.29	0.00
113.1	17.57	0.52	7.39	2.42	5.96	0.37	16.30	8.31	1.23	0.00	4.98	0.00
113.2	7.64	6.94	10.93	9.50	6.25	0.00	10.34	0.00	3.06	0.00	13.31	0.00
113.3	6.01	0.00	5.60	0.00	10.32	0.35	15.02	4.95	1.99	0.00	7.72	0.00
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113.5	17.79	1.06	6.00	5.95	9.73	0.00	13.06	0.00	1.12	0.47	7.74	4.12
113.6	9.00	2.00	7.13	3.12	10.54	0.00	12.00	0.00	5.03	0.00	12.31	0.00
113.7	23.46	1.39	11.92	4.62	5.72	0.00	10.65	0.00	2.04	0.63	9.53	3.95
113.8	39.36	3.44	12.17	18.86	4.98	0.00	14.79	0.00	2.60	0.20	10.25	5.71
113.9	30.52	2.46	8.13	4.90	6.16	0.00	11.85	0.00	3.77	0.46	16.08	8.12
114	8.64	1.54	6.76	4.81	8.76	0.00	16.82	0.00	2.00	0.00	9.27	0.00
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114.6	1.03	0.42	2.12	3.54	12.81	0.00	13.39	0.00	1.74	0.00	7.58	0.00
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115.5	9.13	1.85	9.41	4.92	6.84	0.00	8.29	0.00	0.00	0.00	0.00	0.00
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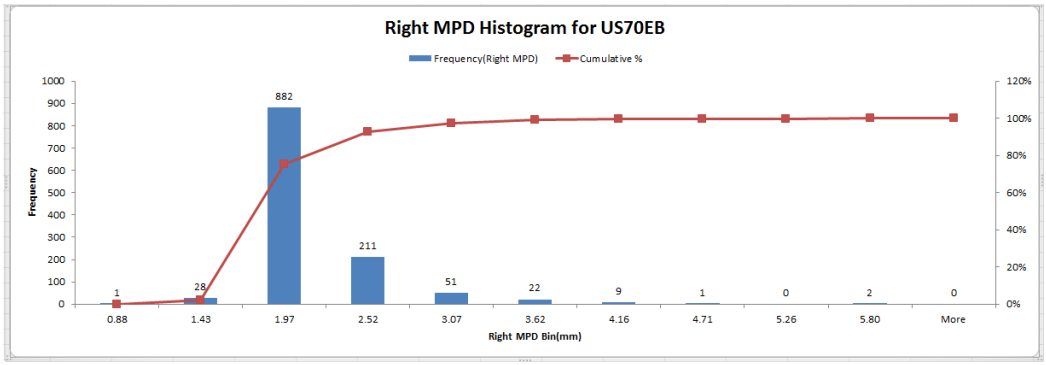
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116	19.63	2.46	9.74	12.12	5.21	0.00	15.14	0.00	2.30	0.50	16.94	2.82
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116.4	101.31	1.94	10.99	6.19	4.48	0.26	14.39	5.71	1.57	0.32	6.11	4.31
116.5	68.99	27.72	10.78	8.83	13.87	0.23	17.49	4.88	1.98	0.53	11.91	6.53
116.6	76.07	23.04	7.04	7.08	2.50	0.00	7.76	0.00	1.55	0.00	6.24	0.00
116.7	39.20	10.43	10.71	6.29	3.05	0.32	12.12	9.00	0.00	0.00	0.00	0.00
116.8	28.82	2.30	6.84	6.49	1.00	0.00	5.91	0.00	0.39	0.00	2.71	0.00
116.9	126.94	0.00	13.29	0.00	1.38	0.00	8.32	0.00	0.41	0.00	7.26	0.00
117	268.98	0.00	10.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.1	144.43	6.81	11.57	8.58	2.10	1.70	19.04	21.81	1.42	0.39	8.68	11.80
117.2	62.96	7.07	9.53	5.55	3.29	0.21	7.88	5.72	0.65	0.86	8.56	4.49
117.3	42.52	7.62	9.26	5.72	5.96	0.42	9.12	6.35	2.31	0.36	20.88	4.85
117.4	61.56	0.00	9.33	0.00	2.31	0.00	13.53	0.00	2.51	0.14	15.49	3.07
117.5	147.16	0.00	11.49	0.00	0.30	0.00	8.42	0.00	0.35	0.00	12.36	0.00
117.6	172.38	0.00	9.44	0.00	0.91	0.00	7.54	0.00	1.07	0.00	6.70	0.00
117.7	224.41	0.62	8.26	4.78	0.91	0.00	5.14	0.00	0.00	0.00	0.00	0.00
117.8	44.15	0.02	10.64	5.17	3.95	0.00	16.71	0.00	0.49	0.00	5.18	0.00
117.9	27.38	0.29	12.33	2.86	2.78	0.00	14.18	0.00	0.38	0.00	4.89	0.00
118	18.60	1.00	7.37	6.47	4.20	0.00	11.66	0.00	0.51	0.00	7.15	0.00
118.1	22.13	2.74	5.55	4.86	2.39	0.00	7.36	0.00	0.00	0.00	0.00	0.00
118.2	5.10	2.74	4.72	5.23	2.65	0.00	8.12	0.00	0.00	0.49	0.00	3.92
118.3	2.05	6.62	6.03	5.67	2.31	0.00	12.23	0.00	0.00	0.00	0.00	0.00
118.4	11.38	0.26	6.85	4.30	4.41	0.00	12.79	0.00	0.00	0.00	0.00	0.00
118.5	7.15	0.00	4.05	0.00	3.74	0.00	13.68	0.00	0.74	0.00	7.08	0.00
118.6	9.65	0.38	9.55	7.63	5.34	0.00	13.23	0.00	0.00	0.00	0.00	0.00
118.7	8.72	0.33	5.54	2.33	4.46	0.00	12.21	0.00	0.56	0.00	1.52	0.00
118.8	79.34	7.27	15.57	10.05	5.31	0.39	5.74	5.44	0.91	1.56	4.92	8.82
118.9	275.12	0.00	10.56	0.00	1.66	0.00	10.55	0.00	0.37	0.00	4.94	0.00
119	249.97	0.00	8.69	0.00	0.00	0.00	0.00	0.00	0.45	0.00	7.77	0.00
119.1	124.37	0.52	12.44	1.53	1.41	0.00	9.12	0.00	0.00	0.00	0.00	0.00
119.2	28.52	0.00	3.35	0.00	4.47	0.00	11.66	0.00	0.36	0.00	5.03	0.00
119.3	28.06	0.00	5.94	0.00	5.12	0.00	5.66	0.00	0.42	0.00	8.30	0.00
119.4	29.89	1.52	5.32	2.79	0.79	0.00	9.07	0.00	0.40	0.00	2.35	0.00
119.5	6.55	0.00	4.52	0.00	1.20	0.00	10.25	0.00	0.00	0.00	0.00	0.00
119.6	8.96	3.06	3.10	4.82	3.02	0.00	8.86	0.00	0.52	0.00	2.16	0.00
119.7	9.02	0.00	7.88	0.00	2.82	0.00	19.20	0.00	0.39	0.00	5.29	0.00
119.8	2.03	0.00	3.52	0.00	1.81	0.00	5.70	0.00	0.34	0.00	7.52	0.00
119.9	9.02	0.00	8.41	0.00	3.58	0.00	10.48	0.00	1.42	0.00	5.46	0.00

120	11.95	0.46	12.82	3.85	3.45	0.00	8.79	0.00	0.56	0.00	5.16	0.00
120.1	9.64	0.40	10.31	5.55	1.48	0.00	7.80	0.00	0.40	0.00	3.37	0.00
120.2	17.39	0.00	14.07	0.00	0.84	0.00	6.90	0.00	0.00	0.00	0.00	0.00
120.3	3.37	3.42	3.83	6.88	0.73	0.73	24.10	36.15	0.72	0.39	3.24	4.86
120.4	10.11	21.73	12.59	18.22	0.07	0.37	3.97	5.96	0.00	0.00	0.00	0.00
120.5	5.45	67.43	14.16	17.30	0.04	0.37	5.52	8.28	0.41	0.00	6.97	0.00
120.6	29.39	0.00	9.40	0.00	5.51	0.00	13.08	0.00	1.54	0.00	16.65	0.00
120.7	75.02	1.15	10.61	4.55	14.61	9.34	10.08	8.32	0.52	0.09	6.68	0.84
120.8	118.95	10.99	9.58	9.32	48.15	33.50	13.95	13.99	0.99	0.41	15.24	14.76
120.9	171.78	19.87	8.42	9.08	59.85	50.39	16.86	15.82	0.51	0.00	10.81	0.00
121	93.40	40.62	9.45	8.84	73.03	50.17	14.63	13.61	0.37	0.00	7.04	0.00
121.1	62.72	74.33	10.95	6.43	55.79	37.43	13.06	12.71	0.00	0.00	0.00	0.00
121.2	40.90	75.71	12.05	14.35	73.44	50.63	15.11	14.67	0.00	0.00	0.00	0.00
121.3	53.59	69.44	19.96	14.17	52.02	33.84	15.92	15.92	2.60	1.14	21.45	23.41
121.4	13.13	65.16	9.31	5.92	51.58	33.55	15.67	15.11	1.14	0.45	13.69	9.94

MPD Detailed Data







Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	0 / 0	0 / 1365	1.631	1.683
0.1	70 / 819	71 / 136	2.864	2.147
0.2	140 / 1638	141 / 955	2.106	1.835
0.3	211 / 409	211 / 1774	1.999	1.694
0.4	281 / 1228	282 / 545	2.242	1.752
0.5	351 / 2047	352 / 1364	2.178	1.775
0.6	422 / 818	423 / 135	3.01	4.261
0.7	492 / 1637	493 / 954	4.165	3.221
0.8	563 / 408	563 / 1773	4.554	2.082
0.9	633 / 1227	634 / 544	2.393	3.41
1	703 / 2046	704 / 1363	2.813	2.984
1.1	774 / 817	775 / 134	2.866	2.047
1.2	844 / 1636	845 / 953	3.049	2.007
1.3	915 / 407	915 / 1772	2.777	2.263
1.4	985 / 1226	986 / 543	2.724	2.45
1.5	1055 / 2045	1056 / 1362	2.451	3.353
1.6	1126 / 816	1127 / 133	2.618	2.739
1.7	1196 / 1635	1197 / 952	2.716	2.016
1.8	1267 / 406	1267 / 1771	2.083	1.725
1.9	1337 / 1225	1338 / 542	2.127	1.704
2	1407 / 2044	1408 / 1361	2.051	1.643
2.1	1478 / 815	1479 / 132	2.006	1.833
2.2	1548 / 1634	1549 / 951	2.033	1.675
2.3	1619 / 405	1619 / 1770	1.978	1.693
2.4	1689 / 1224	1690 / 541	2.161	1.762
2.5	1759 / 2043	1760 / 1360	2.017	1.627
2.6	1830 / 814	1831 / 131	2.505	1.842
2.7	1900 / 1633	1901 / 950	2.222	1.877
2.8	1971 / 404	1971 / 1769	2.444	1.986
2.9	2041 / 1223	2042 / 540	2.3	1.987
3	2111 / 2042	2112 / 1359	4.931	3.914
3.1	2182 / 813	2183 / 130	3.033	2.201
3.2	2252 / 1632	2253 / 949	3.166	2.086
3.3	2323 / 403	2323 / 1768	3.303	2.056
3.4	2393 / 1222	2394 / 539	3.158	2.818
3.5	2463 / 2041	2464 / 1358	1.995	1.818
3.6	2534 / 812	2535 / 129	2.19	1.812
3.7	2604 / 1631	2605 / 948	1.511	1.147
3.8	2675 / 402	2675 / 1767	1.989	1.6
3.9	2745 / 1221	2746 / 538	2.156	1.73
4	2815 / 2040	2816 / 1357	2.81	2.069

4.1	2886 / 811	2887 / 128	1.975	1.685
4.2	2956 / 1630	2957 / 947	2.113	1.632
4.3	3027 / 401	3027 / 1766	2.028	1.623
4.4	3097 / 1220	3098 / 537	2.241	1.791
4.5	3167 / 2039	3168 / 1356	2.759	2.174
4.6	3238 / 810	3239 / 127	2.66	2.026
4.7	3308 / 1629	3309 / 946	2.63	2.072
4.8	3379 / 400	3379 / 1765	2.887	1.921
4.9	3449 / 1219	3450 / 536	3.348	2.321
5	3519 / 2038	3520 / 1355	2.484	1.984
5.1	3590 / 809	3591 / 126	2.128	1.71
5.2	3660 / 1628	3661 / 945	1.898	1.642
5.3	3731 / 399	3731 / 1764	1.987	1.683
5.4	3801 / 1218	3802 / 535	2.06	1.712
5.5	3871 / 2037	3872 / 1354	1.896	2.201
5.6	3942 / 808	3943 / 125	1.988	1.704
5.7	4012 / 1627	4013 / 944	1.899	1.553
5.8	4083 / 398	4083 / 1763	1.733	1.586
5.9	4153 / 1217	4154 / 534	1.823	1.524
6	4223 / 2036	4224 / 1353	1.898	1.617
6.1	4294 / 807	4295 / 124	1.937	1.71
6.2	4364 / 1626	4365 / 943	2.46	1.713
6.3	4435 / 397	4435 / 1762	2.097	1.694
6.4	4505 / 1216	4506 / 533	2.264	1.795
6.5	4575 / 2035	4576 / 1352	2.208	1.826
6.6	4646 / 806	4647 / 123	2.017	1.817
6.7	4716 / 1625	4717 / 942	2.38	1.786
6.8	4787 / 396	4787 / 1761	1.826	1.596
6.9	4857 / 1215	4858 / 532	1.665	1.513
7	4927 / 2034	4928 / 1351	1.771	1.616
7.1	4998 / 805	4999 / 122	1.693	1.64
7.2	5068 / 1624	5069 / 941	1.734	1.753
7.3	5139 / 395	5139 / 1760	1.722	1.576
7.4	5209 / 1214	5210 / 531	1.767	1.537
7.5	5279 / 2033	5280 / 1350	1.875	1.72
7.6	5350 / 804	5351 / 121	1.793	1.559
7.7	5420 / 1623	5421 / 940	1.866	1.878
7.8	5491 / 394	5491 / 1759	1.673	1.54
7.9	5561 / 1213	5562 / 530	1.743	1.61
8	5631 / 2032	5632 / 1349	1.918	1.627
8.1	5702 / 803	5703 / 120	1.972	1.644
8.2	5772 / 1622	5773 / 939	1.875	1.621
8.3	5843 / 393	5843 / 1758	2.219	1.616

8.4	5913 / 1212	5914 / 529	1.885	1.647
8.5	5983 / 2031	5984 / 1348	2.02	1.723
8.6	6054 / 802	6055 / 119	1.953	1.702
8.7	6124 / 1621	6125 / 938	1.902	1.591
8.8	6195 / 392	6195 / 1757	1.839	1.536
8.9	6265 / 1211	6266 / 528	1.924	1.67
9	6335 / 2030	6336 / 1347	1.905	1.679
9.1	6406 / 801	6407 / 118	2.015	1.567
9.2	6476 / 1620	6477 / 937	1.951	1.679
9.3	6547 / 391	6547 / 1756	1.968	1.661
9.4	6617 / 1210	6618 / 527	1.896	2.96
9.5	6687 / 2029	6688 / 1346	2.011	1.659
9.6	6758 / 800	6759 / 117	2.01	1.744
9.7	6828 / 1619	6829 / 936	2.057	1.73
9.8	6899 / 390	6899 / 1755	1.915	1.616
9.9	6969 / 1209	6970 / 526	1.869	1.598
10	7039 / 2028	7040 / 1345	1.75	1.462
10.1	7110 / 799	7111 / 116	1.823	1.601
10.2	7180 / 1618	7181 / 935	1.883	1.516
10.3	7251 / 389	7251 / 1754	1.922	1.731
10.4	7321 / 1208	7322 / 525	2	1.712
10.5	7391 / 2027	7392 / 1344	1.868	1.544
10.6	7462 / 798	7463 / 115	1.926	1.621
10.7	7532 / 1617	7533 / 934	1.985	1.717
10.8	7603 / 388	7603 / 1753	1.929	1.725
10.9	7673 / 1207	7674 / 524	1.724	1.568
11	7743 / 2026	7744 / 1343	1.847	1.686
11.1	7814 / 797	7815 / 114	1.913	1.756
11.2	7884 / 1616	7885 / 933	1.907	1.816
11.3	7955 / 387	7955 / 1752	2.149	1.811
11.4	8025 / 1206	8026 / 523	2.21	2.144
11.5	8095 / 2025	8096 / 1342	1.921	1.736
11.6	8166 / 796	8167 / 113	1.891	1.549
11.7	8236 / 1615	8237 / 932	1.837	1.558
11.8	8307 / 386	8307 / 1751	2.043	1.662
11.9	8377 / 1205	8378 / 522	2.018	1.747
12	8447 / 2024	8448 / 1341	2.035	1.727
12.1	8518 / 795	8519 / 112	1.977	1.71
12.2	8588 / 1614	8589 / 931	2.113	1.697
12.3	8659 / 385	8659 / 1750	2.122	1.801
12.4	8729 / 1204	8730 / 521	2.281	1.722
12.5	8799 / 2023	8800 / 1340	2.142	1.754
12.6	8870 / 794	8871 / 111	2.028	1.668

12.7	8940 / 1613	8941 / 930	1.953	1.665
12.8	9011 / 384	9011 / 1749	2.004	1.67
12.9	0 / 0	0 / 1365	2.147	2.031
13	70 / 819	71 / 136	2.046	1.765
13.1	140 / 1638	141 / 955	1.945	1.988
13.2	211 / 409	211 / 1774	2.034	1.694
13.3	281 / 1228	282 / 545	2.141	1.652
13.4	351 / 2047	352 / 1364	1.98	1.759
13.5	422 / 818	423 / 135	2	1.731
13.6	492 / 1637	493 / 954	1.979	1.681
13.7	563 / 408	563 / 1773	2.044	1.671
13.8	633 / 1227	634 / 544	2.028	1.645
13.9	703 / 2046	704 / 1363	2.179	1.749
14	774 / 817	775 / 134	2.223	1.763
14.1	844 / 1636	845 / 953	2.05	1.741
14.2	915 / 407	915 / 1772	2.059	1.779
14.3	985 / 1226	986 / 543	2.131	1.866
14.4	1055 / 2045	1056 / 1362	2.122	1.798
14.5	1126 / 816	1127 / 133	2.124	1.715
14.6	1196 / 1635	1197 / 952	2.08	1.773
14.7	1267 / 406	1267 / 1771	2.167	1.687
14.8	1337 / 1225	1338 / 542	1.963	1.744
14.9	1407 / 2044	1408 / 1361	2.027	1.701
15	1478 / 815	1479 / 132	2.38	2.027
15.1	1548 / 1634	1549 / 951	2.299	2.088
15.2	1619 / 405	1619 / 1770	2.171	2.185
15.3	1689 / 1224	1690 / 541	1.203	1.162
15.4	1759 / 2043	1760 / 1360	1.012	0.881
15.5	1830 / 814	1831 / 131	2.444	1.722
15.6	1900 / 1633	1901 / 950	2.123	2.005
15.7	1971 / 404	1971 / 1769	2.208	1.669
15.8	2041 / 1223	2042 / 540	2.723	1.823
15.9	2111 / 2042	2112 / 1359	2.862	1.852
16	2182 / 813	2183 / 130	2.323	1.816
16.1	2252 / 1632	2253 / 949	2.186	1.882
16.2	2323 / 403	2323 / 1768	2.114	2.353
16.3	2393 / 1222	2394 / 539	2.743	2.156
16.4	2463 / 2041	2464 / 1358	2.098	1.906
16.5	2534 / 812	2535 / 129	1.845	1.739
16.6				
16.7	0 / 0	0 / 1365	3.656	2.376
16.8	70 / 819	71 / 136	3.649	2.35
16.9	140 / 1638	141 / 955	3.368	2.297

17	211 / 409	211 / 1774	3.544	2.318
17.1	281 / 1228	282 / 545	3.632	2.327
17.2	351 / 2047	352 / 1364	3.817	2.347
17.3	422 / 818	423 / 135	3.85	2.497
17.4	492 / 1637	493 / 954	4.156	2.573
17.5	563 / 408	563 / 1773	4.102	2.524
17.6	633 / 1227	634 / 544	4.987	2.681
17.7	703 / 2046	704 / 1363	4.307	2.734
17.8	774 / 817	775 / 134	4.679	2.929
17.9	844 / 1636	845 / 953	2.344	1.926
18	915 / 407	915 / 1772	2.759	2.069
18.1	985 / 1226	986 / 543	2.371	1.94
18.2	1055 / 2045	1056 / 1362	2.161	1.891
18.3	1126 / 816	1127 / 133	2.29	2.107
18.4	1196 / 1635	1197 / 952	2.295	1.89
18.5	1267 / 406	1267 / 1771	2.254	1.816
18.6	1337 / 1225	1338 / 542	2.247	1.858
18.7	1407 / 2044	1408 / 1361	3.067	2.298
18.8	1478 / 815	1479 / 132	2.154	1.751
18.9	1548 / 1634	1549 / 951	2.22	1.804
19	1619 / 405	1619 / 1770	5.812	2.666
19.1	1689 / 1224	1690 / 541	2.386	1.942
19.2	1759 / 2043	1760 / 1360	2.677	2.231
19.3	1830 / 814	1831 / 131	2.292	1.907
19.4	1900 / 1633	1901 / 950	2.352	1.937
19.5	1971 / 404	1971 / 1769	2.207	1.675
19.6	2041 / 1223	2042 / 540	4.985	2.614
19.7	2111 / 2042	2112 / 1359	2.332	1.919
19.8	2182 / 813	2183 / 130	2.169	1.925
19.9	2252 / 1632	2253 / 949	2.303	1.987
20	2323 / 403	2323 / 1768	2.817	2.1
20.1	2393 / 1222	2394 / 539	4.654	2.95
20.2	2463 / 2041	2464 / 1358	3.356	2.467
20.3	2534 / 812	2535 / 129	4.336	3.978
20.4	2604 / 1631	2605 / 948	5.615	2.708
20.5	2675 / 402	2675 / 1767	5.314	2.725
20.6	2745 / 1221	2746 / 538	4.769	2.302
20.7	2815 / 2040	2816 / 1357	5.275	2.954
20.8	2886 / 811	2887 / 128	5.352	3.332
20.9	2956 / 1630	2957 / 947	6.374	2.921
21	3027 / 401	3027 / 1766	2.668	2.099
21.1	3097 / 1220	3098 / 537	2.248	1.873
21.2	3167 / 2039	3168 / 1356	2.736	2.011

21.3	3238 / 810	3239 / 127	5.382	3.126
21.4	3308 / 1629	3309 / 946	2.456	1.834
21.5	3379 / 400	3379 / 1765	2.485	1.963
21.6	3449 / 1219	3450 / 536	4.802	3.224
21.7	3519 / 2038	3520 / 1355	4.826	3.207
21.8	3590 / 809	3591 / 126	5.29	2.67
21.9	3660 / 1628	3661 / 945	5.097	2.499
22	3731 / 399	3731 / 1764	5.12	2.889
22.1	3801 / 1218	3802 / 535	5.121	2.63
22.2	3871 / 2037	3872 / 1354	4.278	2.584
22.3	3942 / 808	3943 / 125	3.718	2.445
22.4	4012 / 1627	4013 / 944	3.588	2.258
22.5	4083 / 398	4083 / 1763	3.621	2.677
22.6	4153 / 1217	4154 / 534	3.622	2.271
22.7	4223 / 2036	4224 / 1353	4.232	2.28
22.8	4294 / 807	4295 / 124	3.666	2.431
22.9	4364 / 1626	4365 / 943	4.278	2.484
23	4435 / 397	4435 / 1762	4.261	2.366
23.1	4505 / 1216	4506 / 533	4.186	3.022
23.2	4575 / 2035	4576 / 1352	4.508	3.433
23.3	4646 / 806	4647 / 123	3.683	2.269
23.4	4716 / 1625	4717 / 942	3.42	3.071
23.5	4787 / 396	4787 / 1761	3.39	2.831
23.6	4857 / 1215	4858 / 532	3.164	2.358
23.7	4927 / 2034	4928 / 1351	3.082	2.766
23.8	4998 / 805	4999 / 122	2.98	2.278
23.9	5068 / 1624	5069 / 941	3.109	2.324
24	5139 / 395	5139 / 1760	1.478	1.13
24.1	5209 / 1214	5210 / 531	2.315	2.088
24.2	5279 / 2033	5280 / 1350	2.255	1.901
24.3	5350 / 804	5351 / 121	2.377	1.866
24.4	5420 / 1623	5421 / 940	2.49	2.032
24.5	5491 / 394	5491 / 1759	2.303	2.057
24.6	5561 / 1213	5562 / 530	2.156	2.044
24.7	5631 / 2032	5632 / 1349	2.41	1.857
24.8	5702 / 803	5703 / 120	2.31	1.838
24.9	5772 / 1622	5773 / 939	2.302	1.995
25	5843 / 393	5843 / 1758	2.583	2.05
25.1	5913 / 1212	5914 / 529	2.54	2.082
25.2	5983 / 2031	5984 / 1348	2.997	2.336
25.3	6054 / 802	6055 / 119	4.058	2.705
25.4	6124 / 1621	6125 / 938	4.155	3.345
25.5	6195 / 392	6195 / 1757	4.229	2.493

25.6	6265 / 1211	6266 / 528	3.599	2.628
25.7	6335 / 2030	6336 / 1347	3.338	2.535
25.8	6406 / 801	6407 / 118	2.454	1.979
25.9	6476 / 1620	6477 / 937	3.91	2.452
26	6547 / 391	6547 / 1756	4.402	2.691
26.1	6617 / 1210	6618 / 527	4.027	2.59
26.2	6687 / 2029	6688 / 1346	3.381	2.408
26.3	6758 / 800	6759 / 117	3.892	2.368
26.4	6828 / 1619	6829 / 936	3.791	2.544
26.5	6899 / 390	6899 / 1755	4.317	2.465
26.6	6969 / 1209	6970 / 526	3.433	3.132
26.7	7039 / 2028	7040 / 1345	2.776	2.086
26.8	7110 / 799	7111 / 116	2.488	2.038
26.9	7180 / 1618	7181 / 935	3.398	2.463
27	7251 / 389	7251 / 1754	3.718	2.585
27.1	7321 / 1208	7322 / 525	4.359	2.437
27.2	7391 / 2027	7392 / 1344	3.898	2.569
27.3	7462 / 798	7463 / 115	4.271	3.11
27.4	7532 / 1617	7533 / 934	4.126	3.815
27.5	7603 / 388	7603 / 1753	3.552	3.035
27.6	7673 / 1207	7674 / 524	2.553	1.996
27.7	7743 / 2026	7744 / 1343	2.245	1.625
27.8	7814 / 797	7815 / 114	2.33	1.808
27.9	7884 / 1616	7885 / 933	2.559	1.616
28	7955 / 387	7955 / 1752	2.129	1.574
28.1	8025 / 1206	8026 / 523	3.007	2.06
28.2	8095 / 2025	8096 / 1342	4.147	2.384
28.3	8166 / 796	8167 / 113	4.239	2.105
28.4	8236 / 1615	8237 / 932	4.609	2.507
28.5	8307 / 386	8307 / 1751	4.055	2.26
28.6	8377 / 1205	8378 / 522	2.558	1.834
28.7	8447 / 2024	8448 / 1341	2.219	1.685
28.8	8518 / 795	8519 / 112	2.369	1.808
28.9	8588 / 1614	8589 / 931	2.868	1.83
29	8659 / 385	8659 / 1750	2.387	1.9
29.1	8729 / 1204	8730 / 521	2.433	1.773
29.2	8799 / 2023	8800 / 1340	2.472	1.955
29.3	8870 / 794	8871 / 111	2.351	1.955
29.4				
29.5	0 / 0	0 / 1365	3.58	2.292
29.6	70 / 819	71 / 136	3.279	2.349
29.7	140 / 1638	141 / 955	3.398	2.877
29.8	211 / 409	211 / 1774	2.991	2.116

29.9	281 / 1228	282 / 545	3.413	2.498
30	351 / 2047	352 / 1364	3.16	2.361
30.1	422 / 818	423 / 135	3.048	2.198
30.2	492 / 1637	493 / 954	3.187	2.249
30.3	563 / 408	563 / 1773	3.037	2.359
30.4	633 / 1227	634 / 544	3.443	2.328
30.5	703 / 2046	704 / 1363	2.498	1.925
30.6	774 / 817	775 / 134	2.743	2.284
30.7	844 / 1636	845 / 953	2.493	2.681
30.8	915 / 407	915 / 1772	3.669	2.615
30.9	985 / 1226	986 / 543	4.411	2.637
31	1055 / 2045	1056 / 1362	4.722	3.325
31.1	1126 / 816	1127 / 133	3.794	3.142
31.2	1196 / 1635	1197 / 952	4.417	3.705
31.3	1267 / 406	1267 / 1771	4.414	3.64
31.4	1337 / 1225	1338 / 542	4.163	2.992
31.5	1407 / 2044	1408 / 1361	4.245	2.735
31.6	1478 / 815	1479 / 132	2.729	1.977
31.7	1548 / 1634	1549 / 951	2.693	3.318
31.8	1619 / 405	1619 / 1770	2.788	3.248
31.9	1689 / 1224	1690 / 541	2.795	2.225
32	1759 / 2043	1760 / 1360	2.864	3.224
32.1	1830 / 814	1831 / 131	2.638	4
32.2	1900 / 1633	1901 / 950	2.808	2.746
32.3	1971 / 404	1971 / 1769	2.719	2.164
32.4	2041 / 1223	2042 / 540	2.732	2.172
32.5	2111 / 2042	2112 / 1359	2.759	2.262
32.6	2182 / 813	2183 / 130	2.945	2.329
32.7	2252 / 1632	2253 / 949	2.877	2.25
32.8	2323 / 403	2323 / 1768	2.978	2.432
32.9	2393 / 1222	2394 / 539	2.562	2.058
33	2463 / 2041	2464 / 1358	2.47	2.126
33.1	2534 / 812	2535 / 129	2.361	1.992
33.2	2604 / 1631	2605 / 948	2.382	2.08
33.3	2675 / 402	2675 / 1767	2.534	2.041
33.4	2745 / 1221	2746 / 538	2.242	2.044
33.5	2815 / 2040	2816 / 1357	2.29	2.165
33.6	2886 / 811	2887 / 128	2.271	1.982
33.7	2956 / 1630	2957 / 947	2.283	2.111
33.8	3027 / 401	3027 / 1766	2.051	1.878
33.9	3097 / 1220	3098 / 537	2.202	1.839
34	3167 / 2039	3168 / 1356	2.252	2.016
34.1	3238 / 810	3239 / 127	2.61	1.977

34.2	3308 / 1629	3309 / 946	2.511	2.221
34.3	3379 / 400	3379 / 1765	2.477	2.893
34.4	3449 / 1219	3450 / 536	2.157	1.885
34.5	3519 / 2038	3520 / 1355	2.367	2.104
34.6	3590 / 809	3591 / 126	2.16	1.94
34.7	3660 / 1628	3661 / 945	2.772	2.173
34.8	3731 / 399	3731 / 1764	2.425	1.988
34.9	3801 / 1218	3802 / 535	2.499	2.058
35	3871 / 2037	3872 / 1354	2.427	2.103
35.1	3942 / 808	3943 / 125	2.399	2.242
35.2	4012 / 1627	4013 / 944	2.596	2.152
35.3	4083 / 398	4083 / 1763	3.323	4
35.4	4153 / 1217	4154 / 534	2.308	2.121
35.5	4223 / 2036	4224 / 1353	2.332	2.002
35.6	4294 / 807	4295 / 124	3.065	2.275
35.7	4364 / 1626	4365 / 943	3.139	4.129
35.8	4435 / 397	4435 / 1762	3.129	3.522
35.9	4505 / 1216	4506 / 533	3.272	4.04
36	4575 / 2035	4576 / 1352	3.171	3.338
36.1	4646 / 806	4647 / 123	3.354	3.05
36.2	4716 / 1625	4717 / 942	3.833	2.346
36.3	4787 / 396	4787 / 1761	2.471	2.233
36.4	4857 / 1215	4858 / 532	2.683	2.048
36.5	4927 / 2034	4928 / 1351	2.38	2.031
36.6	4998 / 805	4999 / 122	2.342	1.936
36.7	5068 / 1624	5069 / 941	2.253	1.912
36.8	5139 / 395	5139 / 1760	2.401	1.965
36.9	5209 / 1214	5210 / 531	2.335	1.977
37	5279 / 2033	5280 / 1350	3.079	2.192
37.1	5350 / 804	5351 / 121	3.065	2.233
37.2	5420 / 1623	5421 / 940	2.79	2.535
37.3	5491 / 394	5491 / 1759	3.135	1.976
37.4	5561 / 1213	5562 / 530	2.37	1.929
37.5	5631 / 2032	5632 / 1349	2.327	1.889
37.6	5702 / 803	5703 / 120	2.133	1.802
37.7	5772 / 1622	5773 / 939	3.644	2.329
37.8	5843 / 393	5843 / 1758	2.54	1.92
37.9	5913 / 1212	5914 / 529	3.55	2.156
38	5983 / 2031	5984 / 1348	2.791	2.115
38.1	6054 / 802	6055 / 119	3.424	2.176
38.2	6124 / 1621	6125 / 938	3.333	2.1
38.3	6195 / 392	6195 / 1757	3.161	2.138
38.4	6265 / 1211	6266 / 528	3.523	2.328

38.5	6335 / 2030	6336 / 1347	3.139	2.226
38.6	6406 / 801	6407 / 118	3.129	2.265
38.7	6476 / 1620	6477 / 937	3.369	3.507
38.8	6547 / 391	6547 / 1756	3.105	2.71
38.9	6617 / 1210	6618 / 527	2.85	2.343
39	6687 / 2029	6688 / 1346	2.876	2.242
39.1	6758 / 800	6759 / 117	2.51	2.028
39.2	6828 / 1619	6829 / 936	3.125	3.175
39.3	6899 / 390	6899 / 1755	3.278	1.988
39.4	6969 / 1209	6970 / 526	2.314	1.976
39.5	7039 / 2028	7040 / 1345	2.3	1.941
39.6	7110 / 799	7111 / 116	2.149	1.929
39.7	7180 / 1618	7181 / 935	2.24	1.88
39.8	7251 / 389	7251 / 1754	2.213	1.913
39.9	7321 / 1208	7322 / 525	2.262	2.001
40	7391 / 2027	7392 / 1344	2.185	1.975
40.1	7462 / 798	7463 / 115	1.747	1.47
40.2	7532 / 1617	7533 / 934	1.764	1.488
40.3	7603 / 388	7603 / 1753	1.751	1.389
40.4	7673 / 1207	7674 / 524	2.052	1.637
40.5	7743 / 2026	7744 / 1343	1.716	1.402
40.6	7814 / 797	7815 / 114	1.682	1.791
40.7	7884 / 1616	7885 / 933	1.922	1.851
40.8	7955 / 387	7955 / 1752	1.937	1.53
40.9	8025 / 1206	8026 / 523	1.781	1.233
41	8095 / 2025	8096 / 1342	1.929	1.477
41.1	8166 / 796	8167 / 113	1.793	1.707
41.2	8236 / 1615	8237 / 932	1.908	1.535
41.3	8307 / 386	8307 / 1751	2.025	1.578
41.4	8377 / 1205	8378 / 522	1.94	1.582
41.5	8447 / 2024	8448 / 1341	2.005	1.583
41.6	8518 / 795	8519 / 112	2.092	1.86
41.7	8588 / 1614	8589 / 931	2.188	1.515
41.8	8659 / 385	8659 / 1750	2.093	2.211
41.9	8729 / 1204	8730 / 521	1.902	1.529
42	8799 / 2023	8800 / 1340	1.936	1.98
42.1	8870 / 794	8871 / 111	1.803	1.736
42.2	8940 / 1613	8941 / 930	1.979	1.588
42.3	9011 / 384	9011 / 1749	1.893	1.487
42.4	9081 / 1203	9082 / 520	1.831	1.513
42.5	9151 / 2022	9152 / 1339	2.072	1.567
42.6	9222 / 793	9223 / 110	1.907	1.83
42.7	9292 / 1612	9293 / 929	1.945	1.819

42.8	9363 / 383	9363 / 1748	1.877	1.942
42.9	9433 / 1202	9434 / 519	1.592	1.691
43	9503 / 2021	9504 / 1338	1.957	1.728
43.1	9574 / 792	9575 / 109	1.953	1.608
43.2	9644 / 1611	9645 / 928	1.97	1.721
43.3	9715 / 382	9715 / 1747	2.253	1.721
43.4	9785 / 1201	9786 / 518	1.863	1.384
43.5	9855 / 2020	9856 / 1337	1.991	1.628
43.6	9926 / 791	9927 / 108	1.846	1.494
43.7	9996 / 1610	9997 / 927	1.842	1.742
43.8	10067 / 381	10067 / 1746	1.977	1.648
43.9	10137 / 1200	10138 / 517	2.032	1.674
44	10207 / 2019	10208 / 1336	1.942	1.841
44.1	10278 / 790	10279 / 107	1.963	1.839
44.2	10348 / 1609	10349 / 926	2.101	2.102
44.3	10419 / 380	10419 / 1745	2.045	1.852
44.4	10489 / 1199	10490 / 516	2.093	1.719
44.5	10559 / 2018	10560 / 1335	2.11	1.537
44.6	10630 / 789	10631 / 106	1.933	1.509
44.7	10700 / 1608	10701 / 925	2.255	1.508
44.8	10771 / 379	10771 / 1744	2.117	1.448
44.9	10841 / 1198	10842 / 515	2.134	1.648
45	10911 / 2017	10912 / 1334	2.416	1.599
45.1	10982 / 788	10983 / 105	2.491	1.701
45.2	11052 / 1607	11053 / 924	2.749	1.765
45.3	11123 / 378	11123 / 1743	3.951	1.971
45.4	11193 / 1197	11194 / 514	2.174	1.564
45.5	11263 / 2016	11264 / 1333	2.174	1.612
45.6	11334 / 787	11335 / 104	2.14	1.434
45.7	11404 / 1606	11405 / 923	2.141	1.5
45.8	11475 / 377	11475 / 1742	2.212	1.499
45.9	11545 / 1196	11546 / 513	2.091	1.567
46	11615 / 2015	11616 / 1332	2.335	1.522
46.1	11686 / 786	11687 / 103	2.268	1.752
46.2	11756 / 1605	11757 / 922	2.19	1.77
46.3	11827 / 376	11827 / 1741	2.264	1.699
46.4	11897 / 1195	11898 / 512	2.174	1.661
46.5	11967 / 2014	11968 / 1331	2.124	1.532
46.6	12038 / 785	12039 / 102	2.415	1.658
46.7	12108 / 1604	12109 / 921	2.281	1.584
46.8	12179 / 375	12179 / 1740	2.419	1.825
46.9	12249 / 1194	12250 / 511	1.56	1.389
47	12319 / 2013	12320 / 1330	1.719	1.396

47.1	12390 / 784	12391 / 101	1.718	2.196
47.2	12460 / 1603	12461 / 920	1.898	1.512
47.3	12531 / 374	12531 / 1739	2.082	1.426
47.4	12601 / 1193	12602 / 510	1.887	1.503
47.5	12671 / 2012	12672 / 1329	2.067	1.578
47.6	12742 / 783	12743 / 100	2.13	1.47
47.7	12812 / 1602	12813 / 919	2.243	1.514
47.8	12883 / 373	12883 / 1738	2.477	1.643
47.9	12953 / 1192	12954 / 509	2.306	1.53
48	13023 / 2011	13024 / 1328	2.078	1.528
48.1	13094 / 782	13095 / 99	10.25	5.566
48.2	13164 / 1601	13165 / 918	1.903	1.545
48.3				
48.4				
48.5	0 / 0	0 / 1365	2.247	1.622
48.6	70 / 819	71 / 136	3.1	1.849
48.7	140 / 1638	141 / 955	2.195	1.602
48.8	211 / 409	211 / 1774	2.259	1.894
48.9	281 / 1228	282 / 545	2.302	1.77
49	351 / 2047	352 / 1364	2.185	1.814
49.1	422 / 818	423 / 135	2.276	1.504
49.2	492 / 1637	493 / 954	2.33	1.602
49.3	563 / 408	563 / 1773	2.348	1.596
49.4	633 / 1227	634 / 544	2.443	1.548
49.5	703 / 2046	704 / 1363	2.33	1.593
49.6	774 / 817	775 / 134	2.479	1.756
49.7	844 / 1636	845 / 953	2.683	1.582
49.8	915 / 407	915 / 1772	2.892	1.75
49.9	985 / 1226	986 / 543	2.603	1.704
50	1055 / 2045	1056 / 1362	2.34	1.643
50.1	1126 / 816	1127 / 133	2.09	1.707
50.2	1196 / 1635	1197 / 952	1.956	1.645
50.3	1267 / 406	1267 / 1771	1.901	2.522
50.4	1337 / 1225	1338 / 542	2.012	1.593
50.5	1407 / 2044	1408 / 1361	1.886	1.586
50.6	1478 / 815	1479 / 132	1.99	1.69
50.7	1548 / 1634	1549 / 951	2.05	1.667
50.8	1619 / 405	1619 / 1770	2.116	1.635
50.9	1689 / 1224	1690 / 541	2.152	1.451
51	1759 / 2043	1760 / 1360	2.094	1.614
51.1	1830 / 814	1831 / 131	2.378	2.024
51.2	1900 / 1633	1901 / 950	2.155	1.617
51.3	1971 / 404	1971 / 1769	2.292	1.746

51.4	2041 / 1223	2042 / 540	2.284	1.689
51.5	2111 / 2042	2112 / 1359	2.223	1.589
51.6	2182 / 813	2183 / 130	2.197	1.616
51.7	2252 / 1632	2253 / 949	2.117	1.659
51.8	2323 / 403	2323 / 1768	2.254	1.628
51.9	2393 / 1222	2394 / 539	1.869	1.508
52	2463 / 2041	2464 / 1358	1.979	1.977
52.1	2534 / 812	2535 / 129	2.039	1.582
52.2	2604 / 1631	2605 / 948	2.062	1.554
52.3	2675 / 402	2675 / 1767	1.97	1.581
52.4	2745 / 1221	2746 / 538	1.841	1.505
52.5	2815 / 2040	2816 / 1357	1.892	1.611
52.6	2886 / 811	2887 / 128	2.05	1.39
52.7	2956 / 1630	2957 / 947	2.026	1.646
52.8	3027 / 401	3027 / 1766	2.157	1.439
52.9	3097 / 1220	3098 / 537	2	1.601
53	3167 / 2039	3168 / 1356	1.845	1.535
53.1	3238 / 810	3239 / 127	1.957	1.692
53.2	3308 / 1629	3309 / 946	1.847	1.627
53.3	3379 / 400	3379 / 1765	1.936	1.701
53.4	3449 / 1219	3450 / 536	2.032	1.701
53.5	3519 / 2038	3520 / 1355	2.064	1.693
53.6	3590 / 809	3591 / 126	2.103	1.68
53.7	3660 / 1628	3661 / 945	1.885	1.541
53.8	3731 / 399	3731 / 1764	1.89	1.502
53.9	3801 / 1218	3802 / 535	1.969	1.548
54	3871 / 2037	3872 / 1354	2.056	1.663
54.1	3942 / 808	3943 / 125	1.96	1.491
54.2	4012 / 1627	4013 / 944	1.804	1.557
54.3	4083 / 398	4083 / 1763	1.956	1.64
54.4	4153 / 1217	4154 / 534	2.068	1.647
54.5	4223 / 2036	4224 / 1353	2.054	1.813
54.6	4294 / 807	4295 / 124	2.084	1.594
54.7	4364 / 1626	4365 / 943	2.163	5.803
54.8	4435 / 397	4435 / 1762	1.929	1.559
54.9				
55				
55.1				
55.2	0 / 0	0 / 1365	2.057	1.671
55.3	70 / 819	71 / 136	2.282	1.83
55.4	140 / 1638	141 / 955	2.176	1.853
55.5	211 / 409	211 / 1774	2.282	2.036
55.6	281 / 1228	282 / 545	2.189	1.769

55.7	351 / 2047	352 / 1364	2.33	1.955
55.8	422 / 818	423 / 135	2.204	1.88
55.9	492 / 1637	493 / 954	2.484	2.092
56	563 / 408	563 / 1773	2.393	2.287
56.1	633 / 1227	634 / 544	2.173	1.876
56.2	703 / 2046	704 / 1363	2.222	1.946
56.3	774 / 817	775 / 134	2.315	1.888
56.4	844 / 1636	845 / 953	2.199	1.928
56.5	915 / 407	915 / 1772	2.081	1.904
56.6	985 / 1226	986 / 543	1.945	1.918
56.7	1055 / 2045	1056 / 1362	2.251	1.935
56.8	1126 / 816	1127 / 133	2.167	1.854
56.9	1196 / 1635	1197 / 952	2.25	1.971
57	1267 / 406	1267 / 1771	2.343	1.999
57.1	1337 / 1225	1338 / 542	2.279	1.995
57.2	1407 / 2044	1408 / 1361	2.436	1.919
57.3	1478 / 815	1479 / 132	2.47	1.953
57.4	1548 / 1634	1549 / 951	2.34	1.853
57.5	1619 / 405	1619 / 1770	2.333	1.788
57.6	1689 / 1224	1690 / 541	2.271	1.925
57.7	1759 / 2043	1760 / 1360	2.201	1.94
57.8	1830 / 814	1831 / 131	2.101	1.812
57.9	1900 / 1633	1901 / 950	2.149	1.909
58	1971 / 404	1971 / 1769	2.277	1.702
58.1	2041 / 1223	2042 / 540	2.229	1.851
58.2	2111 / 2042	2112 / 1359	2.238	1.833
58.3	2182 / 813	2183 / 130	2.213	1.719
58.4	2252 / 1632	2253 / 949	2.128	1.702
58.5	2323 / 403	2323 / 1768	2.12	1.798
58.6	2393 / 1222	2394 / 539	2.171	1.813
58.7	2463 / 2041	2464 / 1358	2.297	1.891
58.8	2534 / 812	2535 / 129	2.299	1.767
58.9	2604 / 1631	2605 / 948	2.276	1.891
59	2675 / 402	2675 / 1767	2.351	1.821
59.1	2745 / 1221	2746 / 538	2.314	1.775
59.2	2815 / 2040	2816 / 1357	2.279	1.727
59.3	2886 / 811	2887 / 128	2.211	1.784
59.4	2956 / 1630	2957 / 947	2.125	1.745
59.5	3027 / 401	3027 / 1766	2.183	1.74
59.6	3097 / 1220	3098 / 537	1.964	1.517
59.7	3167 / 2039	3168 / 1356	2.109	1.772
59.8	3238 / 810	3239 / 127	2.151	1.768
59.9	3308 / 1629	3309 / 946	2.277	1.772

60	3379 / 400	3379 / 1765	2.204	1.733
60.1	3449 / 1219	3450 / 536	2.225	2.189
60.2	3519 / 2038	3520 / 1355	2.252	1.792
60.3	3590 / 809	3591 / 126	2.121	1.658
60.4	3660 / 1628	3661 / 945	2.214	1.668
60.5	3731 / 399	3731 / 1764	2.163	1.818
60.6	3801 / 1218	3802 / 535	2.242	1.869
60.7	3871 / 2037	3872 / 1354	2.181	1.718
60.8	3942 / 808	3943 / 125	2.199	1.782
60.9	4012 / 1627	4013 / 944	2.204	1.693
61	4083 / 398	4083 / 1763	2.364	1.817
61.1	4153 / 1217	4154 / 534	2.43	1.822
61.2	4223 / 2036	4224 / 1353	2.505	1.77
61.3	4294 / 807	4295 / 124	2.418	1.776
61.4	4364 / 1626	4365 / 943	2.268	1.745
61.5	4435 / 397	4435 / 1762	2.231	1.814
61.6	4505 / 1216	4506 / 533	2.236	1.7
61.7	4575 / 2035	4576 / 1352	2.151	1.62
61.8	4646 / 806	4647 / 123	2.223	1.698
61.9	4716 / 1625	4717 / 942	2.195	1.694
62	4787 / 396	4787 / 1761	2.17	1.594
62.1	4857 / 1215	4858 / 532	2.15	1.7
62.2	4927 / 2034	4928 / 1351	2.148	1.708
62.3	4998 / 805	4999 / 122	2.261	1.693
62.4	5068 / 1624	5069 / 941	2.262	1.723
62.5	5139 / 395	5139 / 1760	2.236	1.949
62.6	5209 / 1214	5210 / 531	2.193	1.655
62.7	5279 / 2033	5280 / 1350	2.043	1.632
62.8	5350 / 804	5351 / 121	1.984	1.595
62.9	5420 / 1623	5421 / 940	2.024	1.579
63	5491 / 394	5491 / 1759	2.104	1.739
63.1	5561 / 1213	5562 / 530	2.155	1.659
63.2	5631 / 2032	5632 / 1349	2.262	1.702
63.3	5702 / 803	5703 / 120	2.158	1.931
63.4	5772 / 1622	5773 / 939	2.148	1.733
63.5	5843 / 393	5843 / 1758	2.125	1.678
63.6	5913 / 1212	5914 / 529	2.142	1.625
63.7	5983 / 2031	5984 / 1348	1.914	1.481
63.8	6054 / 802	6055 / 119	1.967	1.54
63.9	6124 / 1621	6125 / 938	1.564	1.461
64	6195 / 392	6195 / 1757	1.897	1.525
64.1	6265 / 1211	6266 / 528	2.148	1.666
64.2	6335 / 2030	6336 / 1347	2.081	1.875

64.3	6406 / 801	6407 / 118	2.014	2.147
64.4	6476 / 1620	6477 / 937	1.933	1.656
64.5	6547 / 391	6547 / 1756	2.166	1.646
64.6	6617 / 1210	6618 / 527	1.939	1.581
64.7	6687 / 2029	6688 / 1346	2.006	1.603
64.8	6758 / 800	6759 / 117	2.059	1.596
64.9	6828 / 1619	6829 / 936	2.096	1.665
65	6899 / 390	6899 / 1755	1.967	1.618
65.1	6969 / 1209	6970 / 526	2.073	1.651
65.2	7039 / 2028	7040 / 1345	2.073	1.637
65.3	7110 / 799	7111 / 116	2.161	1.669
65.4	7180 / 1618	7181 / 935	2.077	1.584
65.5	7251 / 389	7251 / 1754	2.045	1.779
65.6	7321 / 1208	7322 / 525	2.049	1.597
65.7	7391 / 2027	7392 / 1344	2.001	1.598
65.8	7462 / 798	7463 / 115	2.78	2.103
65.9	7532 / 1617	7533 / 934	2.933	1.98
66	7603 / 388	7603 / 1753	2.87	2.16
66.1	7673 / 1207	7674 / 524	3.203	2.134
66.2	7743 / 2026	7744 / 1343	3.34	2.198
66.3	7814 / 797	7815 / 114	3.096	2.139
66.4	7884 / 1616	7885 / 933	2.841	2.064
66.5	7955 / 387	7955 / 1752	3.006	2.208
66.6	8025 / 1206	8026 / 523	2.868	2.275
66.7	8095 / 2025	8096 / 1342	3.147	2.088
66.8	8166 / 796	8167 / 113	3.479	2.188
66.9	8236 / 1615	8237 / 932	3.193	2.057
67	8307 / 386	8307 / 1751	2.889	2.133
67.1	8377 / 1205	8378 / 522	2.054	1.746
67.2	8447 / 2024	8448 / 1341	1.981	1.584
67.3	8518 / 795	8519 / 112	2.17	1.62
67.4	8588 / 1614	8589 / 931	2.337	1.621
67.5	8659 / 385	8659 / 1750	2.269	1.585
67.6	8729 / 1204	8730 / 521	2.299	1.719
67.7	8799 / 2023	8800 / 1340	2.157	1.692
67.8	8870 / 794	8871 / 111	2.21	2.036
67.9	8940 / 1613	8941 / 930	2.162	1.659
68	9011 / 384	9011 / 1749	2.203	1.727
68.1	9081 / 1203	9082 / 520	3.012	1.597
68.2	9151 / 2022	9152 / 1339	2.067	1.778
68.3	9222 / 793	9223 / 110	2.23	1.913
68.4	9292 / 1612	9293 / 929	2.15	1.755
68.5	9363 / 383	9363 / 1748	2.271	1.684

68.6	9433 / 1202	9434 / 519	2.115	1.793
68.7	9503 / 2021	9504 / 1338	1.983	1.754
68.8	9574 / 792	9575 / 109	2.223	1.77
68.9	9644 / 1611	9645 / 928	2.063	1.721
69	9715 / 382	9715 / 1747	2.147	1.561
69.1	9785 / 1201	9786 / 518	2.013	1.667
69.2	9855 / 2020	9856 / 1337	1.916	1.793
69.3	9926 / 791	9927 / 108	2.241	1.798
69.4	9996 / 1610	9997 / 927	2.542	1.714
69.5	10067 / 381	10067 / 1746	2.197	1.536
69.6	10137 / 1200	10138 / 517	2.294	1.733
69.7	10207 / 2019	10208 / 1336	2.073	1.706
69.8	10278 / 790	10279 / 107	2.15	1.58
69.9	10348 / 1609	10349 / 926	1.911	1.492
70	10419 / 380	10419 / 1745	2.065	1.637
70.1	10489 / 1199	10490 / 516	2.054	1.542
70.2	10559 / 2018	10560 / 1335	2.366	1.717
70.3	10630 / 789	10631 / 106	2.223	1.809
70.4	10700 / 1608	10701 / 925	2.059	1.646
70.5	10771 / 379	10771 / 1744	2.308	1.925
70.6	10841 / 1198	10842 / 515	2.368	1.699
70.7	10911 / 2017	10912 / 1334	2.072	1.548
70.8	10982 / 788	10983 / 105	2.121	1.623
70.9	11052 / 1607	11053 / 924	1.963	1.663
71	11123 / 378	11123 / 1743	2.027	1.854
71.1	11193 / 1197	11194 / 514	2.127	1.871
71.2	11263 / 2016	11264 / 1333	2.264	1.758
71.3	11334 / 787	11335 / 104	3.049	2.434
71.4	11404 / 1606	11405 / 923	2.411	1.861
71.5	11475 / 377	11475 / 1742	2.127	1.678
71.6	11545 / 1196	11546 / 513	2.07	1.585
71.7	11615 / 2015	11616 / 1332	2.087	1.593
71.8	11686 / 786	11687 / 103	2.126	1.609
71.9	11756 / 1605	11757 / 922	2.18	1.48
72	11827 / 376	11827 / 1741	1.973	1.574
72.1	11897 / 1195	11898 / 512	1.95	1.616
72.2	11967 / 2014	11968 / 1331	1.85	1.457
72.3	12038 / 785	12039 / 102	1.748	1.422
72.4	12108 / 1604	12109 / 921	1.857	1.567
72.5	12179 / 375	12179 / 1740	1.874	1.511
72.6	12249 / 1194	12250 / 511	2.241	1.953
72.7	12319 / 2013	12320 / 1330	1.928	1.522
72.8	12390 / 784	12391 / 101	2.034	1.438

72.9	12460 / 1603	12461 / 920	2.49	1.747
73	12531 / 374	12531 / 1739	2.116	1.671
73.1	12601 / 1193	12602 / 510	2.376	1.591
73.2	12671 / 2012	12672 / 1329	2.463	1.643
73.3	12742 / 783	12743 / 100	2.682	1.93
73.4	12812 / 1602	12813 / 919	2.145	1.614
73.5	12883 / 373	12883 / 1738	2.46	1.711
73.6	12953 / 1192	12954 / 509	2.329	1.766
73.7	13023 / 2011	13024 / 1328	2.243	1.856
73.8	13094 / 782	13095 / 99	2.136	1.611
73.9	13164 / 1601	13165 / 918	2.454	1.625
74	13235 / 372	13235 / 1737	2.473	1.703
74.1	13305 / 1191	13306 / 508	2.443	1.915
74.2	13375 / 2010	13376 / 1327	2.579	1.692
74.3	13446 / 781	13447 / 98	2.527	1.667
74.4	13516 / 1600	13517 / 917	2.724	1.838
74.5	13587 / 371	13587 / 1736	2.11	1.737
74.6	13657 / 1190	13658 / 507	2.714	1.77
74.7	13727 / 2009	13728 / 1326	3.085	2.052
74.8	13798 / 780	13799 / 97	2.983	1.828
74.9	13868 / 1599	13869 / 916	2.01	1.58
75	13939 / 370	13939 / 1735	1.858	1.501
75.1	14009 / 1189	14010 / 506	1.928	1.595
75.2	14079 / 2008	14080 / 1325	2.128	1.681
75.3	14150 / 779	14151 / 96	2.681	1.936
75.4	14220 / 1598	14221 / 915	2.251	1.644
75.5	14291 / 369	14291 / 1734	2.309	1.753
75.6	14361 / 1188	14362 / 505	2.274	1.673
75.7	14431 / 2007	14432 / 1324	2.696	2.769
75.8	14502 / 778	14503 / 95	2.538	1.788
75.9	14572 / 1597	14573 / 914	2.491	1.928
76	14643 / 368	14643 / 1733	2.702	1.868
76.1	14713 / 1187	14714 / 504	2.932	1.873
76.2	14783 / 2006	14784 / 1323	2.567	1.93
76.3	14854 / 777	14855 / 94	2.673	2.004
76.4	14924 / 1596	14925 / 913	1.961	1.474
76.5	14995 / 367	14995 / 1732	2.043	1.362
76.6				
76.7				
76.8	0 / 0	0 / 1365	2.08	1.485
76.9	70 / 819	71 / 136	1.878	1.534
77	140 / 1638	141 / 955	2.323	1.656
77.1	211 / 409	211 / 1774	2.47	1.808

77.2	281 / 1228	282 / 545	2.457	1.729
77.3	351 / 2047	352 / 1364	2.504	1.839
77.4	422 / 818	423 / 135	2.031	1.521
77.5	492 / 1637	493 / 954	1.938	1.53
77.6	563 / 408	563 / 1773	1.919	1.534
77.7	633 / 1227	634 / 544	2.61	1.817
77.8	703 / 2046	704 / 1363	3.505	1.831
77.9	774 / 817	775 / 134	2.953	1.831
78	844 / 1636	845 / 953	2.553	1.894
78.1	915 / 407	915 / 1772	2.673	1.79
78.2	985 / 1226	986 / 543	3.581	1.589
78.3	1055 / 2045	1056 / 1362	2.003	1.645
78.4	1126 / 816	1127 / 133	2.061	1.651
78.5	1196 / 1635	1197 / 952	2.613	1.805
78.6	1267 / 406	1267 / 1771	2.972	1.894
78.7	1337 / 1225	1338 / 542	3.123	1.781
78.8	1407 / 2044	1408 / 1361	2.659	1.762
78.9	1478 / 815	1479 / 132	2.961	1.846
79	1548 / 1634	1549 / 951	2.858	1.958
79.1	1619 / 405	1619 / 1770	2.972	1.939
79.2	1689 / 1224	1690 / 541	2.167	1.774
79.3	1759 / 2043	1760 / 1360	1.949	1.545
79.4	1830 / 814	1831 / 131	2.03	1.579
79.5	1900 / 1633	1901 / 950	2.734	1.687
79.6	1971 / 404	1971 / 1769	2.869	1.869
79.7	2041 / 1223	2042 / 540	2.818	1.847
79.8	2111 / 2042	2112 / 1359	2.38	1.658
79.9	2182 / 813	2183 / 130	2.705	1.775
80	2252 / 1632	2253 / 949	2.76	2.036
80.1	2323 / 403	2323 / 1768	2.9	1.845
80.2	2393 / 1222	2394 / 539	3.267	1.907
80.3	2463 / 2041	2464 / 1358	2.693	1.892
80.4	2534 / 812	2535 / 129	3.455	2.663
80.5	2604 / 1631	2605 / 948	2.946	1.551
80.6	2675 / 402	2675 / 1767	2.001	1.945
80.7	2745 / 1221	2746 / 538	2.354	1.574
80.8	2815 / 2040	2816 / 1357	2.192	1.608
80.9	2886 / 811	2887 / 128	1.95	1.925
81	2956 / 1630	2957 / 947	2.116	1.95
81.1	3027 / 401	3027 / 1766	1.936	1.634
81.2	3097 / 1220	3098 / 537	2.055	1.589
81.3	3167 / 2039	3168 / 1356	2.182	1.661
81.4	3238 / 810	3239 / 127	2.302	1.698

81.5	3308 / 1629	3309 / 946	1.945	1.604
81.6	3379 / 400	3379 / 1765	1.932	1.543
81.7	3449 / 1219	3450 / 536	1.972	1.895
81.8	3519 / 2038	3520 / 1355	2.08	1.702
81.9	3590 / 809	3591 / 126	2.051	1.665
82	3660 / 1628	3661 / 945	1.952	1.514
82.1	3731 / 399	3731 / 1764	2.006	2.033
82.2	3801 / 1218	3802 / 535	1.803	1.496
82.3	3871 / 2037	3872 / 1354	2.014	1.614
82.4	3942 / 808	3943 / 125	2.075	1.591
82.5	4012 / 1627	4013 / 944	1.976	1.508
82.6	4083 / 398	4083 / 1763	1.987	1.532
82.7	4153 / 1217	4154 / 534	1.852	1.652
82.8	4223 / 2036	4224 / 1353	1.878	1.446
82.9	4294 / 807	4295 / 124	1.947	1.483
83	4364 / 1626	4365 / 943	1.992	1.729
83.1	4435 / 397	4435 / 1762	1.856	1.454
83.2	4505 / 1216	4506 / 533	1.856	1.415
83.3	4575 / 2035	4576 / 1352	2.131	1.594
83.4	4646 / 806	4647 / 123	1.682	1.657
83.5	4716 / 1625	4717 / 942	1.844	1.373
83.6	4787 / 396	4787 / 1761	1.94	1.551
83.7	4857 / 1215	4858 / 532	1.959	2.108
83.8	4927 / 2034	4928 / 1351	2.049	1.56
83.9	4998 / 805	4999 / 122	2.072	1.53
84	5068 / 1624	5069 / 941	1.92	1.596
84.1	5139 / 395	5139 / 1760	2.222	1.616
84.2				
84.3	0 / 0	0 / 1365	1.815	1.617
84.4	70 / 819	71 / 136	2.13	1.606
84.5	140 / 1638	141 / 955	1.863	1.712
84.6	211 / 409	211 / 1774	1.857	1.465
84.7	281 / 1228	282 / 545	1.916	1.414
84.8	351 / 2047	352 / 1364	1.904	1.485
84.9	422 / 818	423 / 135	1.82	1.518
85	492 / 1637	493 / 954	1.935	1.602
85.1	563 / 408	563 / 1773	1.881	1.624
85.2	633 / 1227	634 / 544	2.367	1.797
85.3	703 / 2046	704 / 1363	2.11	1.768
85.4	774 / 817	775 / 134	2.209	1.818
85.5	844 / 1636	845 / 953	2.224	1.733
85.6	915 / 407	915 / 1772	2.217	1.771
85.7	985 / 1226	986 / 543	2.222	1.759

85.8	1055 / 2045	1056 / 1362	2.143	1.694
85.9	1126 / 816	1127 / 133	2.1	1.849
86	1196 / 1635	1197 / 952	2.102	1.65
86.1	1267 / 406	1267 / 1771	2.226	1.738
86.2	1337 / 1225	1338 / 542	2.285	1.646
86.3	1407 / 2044	1408 / 1361	2.527	1.734
86.4	1478 / 815	1479 / 132	2.219	1.722
86.5	1548 / 1634	1549 / 951	2.119	1.748
86.6	1619 / 405	1619 / 1770	2.126	1.67
86.7	1689 / 1224	1690 / 541	2.392	1.872
86.8	1759 / 2043	1760 / 1360	2.055	1.684
86.9	1830 / 814	1831 / 131	2.109	1.625
87	1900 / 1633	1901 / 950	2.045	1.786
87.1	1971 / 404	1971 / 1769	2.199	1.713
87.2	2041 / 1223	2042 / 540	2.18	1.716
87.3	2111 / 2042	2112 / 1359	2.253	1.819
87.4	2182 / 813	2183 / 130	2.201	1.7
87.5	2252 / 1632	2253 / 949	2.096	1.728
87.6	2323 / 403	2323 / 1768	2.642	1.954
87.7	2393 / 1222	2394 / 539	1.922	1.54
87.8	2463 / 2041	2464 / 1358	2.428	1.938
87.9	2534 / 812	2535 / 129	2.216	1.755
88	2604 / 1631	2605 / 948	2.322	1.769
88.1	2675 / 402	2675 / 1767	2.145	1.724
88.2	2745 / 1221	2746 / 538	2.472	1.827
88.3	2815 / 2040	2816 / 1357	2.055	1.685
88.4	2886 / 811	2887 / 128	2.198	1.663
88.5	2956 / 1630	2957 / 947	2.276	1.744
88.6	3027 / 401	3027 / 1766	2.173	1.796
88.7	3097 / 1220	3098 / 537	2.128	1.71
88.8	3167 / 2039	3168 / 1356	2.21	1.749
88.9	3238 / 810	3239 / 127	1.979	1.726
89	3308 / 1629	3309 / 946	2.126	1.66
89.1	3379 / 400	3379 / 1765	2.29	1.778
89.2	3449 / 1219	3450 / 536	2.296	1.807
89.3	3519 / 2038	3520 / 1355	2.255	1.684
89.4	3590 / 809	3591 / 126	2.109	1.647
89.5	3660 / 1628	3661 / 945	2.2	1.726
89.6	3731 / 399	3731 / 1764	2.277	1.801
89.7	3801 / 1218	3802 / 535	2.174	1.836
89.8	3871 / 2037	3872 / 1354	2.264	1.903
89.9	3942 / 808	3943 / 125	2.459	1.868
90	4012 / 1627	4013 / 944	2.288	1.842

90.1	4083 / 398	4083 / 1763	2.245	1.688
90.2	4153 / 1217	4154 / 534	1.861	1.593
90.3	4223 / 2036	4224 / 1353	1.91	1.731
90.4	4294 / 807	4295 / 124	1.818	1.572
90.5	4364 / 1626	4365 / 943	1.995	1.66
90.6	4435 / 397	4435 / 1762	2.036	2.573
90.7	4505 / 1216	4506 / 533	2.034	1.877
90.8	4575 / 2035	4576 / 1352	2.145	1.598
90.9	4646 / 806	4647 / 123	2.023	1.659
91	4716 / 1625	4717 / 942	1.986	1.599
91.1	4787 / 396	4787 / 1761	2.407	1.719
91.2	4857 / 1215	4858 / 532	2.223	1.633
91.3	4927 / 2034	4928 / 1351	2.374	1.572
91.4	4998 / 805	4999 / 122	2.047	1.58
91.5	5068 / 1624	5069 / 941	3.197	2.439
91.6	5139 / 395	5139 / 1760	2.004	1.621
91.7	5209 / 1214	5210 / 531	2.41	1.98
91.8	5279 / 2033	5280 / 1350	2.197	1.926
91.9	5350 / 804	5351 / 121	2.336	1.807
92	5420 / 1623	5421 / 940	2.687	1.701
92.1	5491 / 394	5491 / 1759	3.012	1.775
92.2	5561 / 1213	5562 / 530	2.722	1.73
92.3	5631 / 2032	5632 / 1349	2.858	2.467
92.4	5702 / 803	5703 / 120	3.405	1.843
92.5	5772 / 1622	5773 / 939	3.741	2.031
92.6	5843 / 393	5843 / 1758	2.735	2.345
92.7	5913 / 1212	5914 / 529	3.133	2.11
92.8	5983 / 2031	5984 / 1348	3.091	2.39
92.9	6054 / 802	6055 / 119	2.813	2.181
93	6124 / 1621	6125 / 938	3.259	2.209
93.1	6195 / 392	6195 / 1757	3.174	2.169
93.2	6265 / 1211	6266 / 528	3.184	2.143
93.3	6335 / 2030	6336 / 1347	3.383	2.452
93.4	6406 / 801	6407 / 118	4.297	2.6
93.5	6476 / 1620	6477 / 937	2.984	2.288
93.6	6547 / 391	6547 / 1756	3.213	2.145
93.7	6617 / 1210	6618 / 527	2.565	2.131
93.8	6687 / 2029	6688 / 1346	3.607	2.268
93.9	6758 / 800	6759 / 117	3.706	2.905
94	6828 / 1619	6829 / 936	1.355	1.668
94.1	6899 / 390	6899 / 1755	3.284	2.12
94.2	6969 / 1209	6970 / 526	2.908	2.187
94.3	7039 / 2028	7040 / 1345	3.782	2.457

94.4	7110 / 799	7111 / 116	3.599	2.251
94.5	7180 / 1618	7181 / 935	3.232	2.296
94.6	7251 / 389	7251 / 1754	2.217	1.744
94.7	7321 / 1208	7322 / 525	3.999	2.658
94.8	7391 / 2027	7392 / 1344	3.2	2.239
94.9	7462 / 798	7463 / 115	3.203	2.28
95	7532 / 1617	7533 / 934	3.424	2.246
95.1	7603 / 388	7603 / 1753	2.75	1.718
95.2	7673 / 1207	7674 / 524	2.712	1.858
95.3	7743 / 2026	7744 / 1343	2.808	1.833
95.4	7814 / 797	7815 / 114	2.645	1.994
95.5	7884 / 1616	7885 / 933	3.301	2.322
95.6	7955 / 387	7955 / 1752	3.534	2.02
95.7	8025 / 1206	8026 / 523	2.251	1.675
95.8	8095 / 2025	8096 / 1342	2.078	1.765
95.9	8166 / 796	8167 / 113	2.154	1.675
96	8236 / 1615	8237 / 932	2.031	1.618
96.1	8307 / 386	8307 / 1751	2.138	1.689
96.2	8377 / 1205	8378 / 522	2.257	1.753
96.3	8447 / 2024	8448 / 1341	2.537	1.887
96.4	8518 / 795	8519 / 112	2.852	1.843
96.5	8588 / 1614	8589 / 931	2.028	1.823
96.6	8659 / 385	8659 / 1750	2.22	1.664
96.7	8729 / 1204	8730 / 521	2.309	1.769
96.8	8799 / 2023	8800 / 1340	1.538	1.149
96.9	8870 / 794	8871 / 111	2.58	1.747
97	8940 / 1613	8941 / 930	2.671	1.847
97.1	9011 / 384	9011 / 1749	2.837	1.753
97.2	9081 / 1203	9082 / 520	2.181	1.627
97.3	9151 / 2022	9152 / 1339	1.967	1.68
97.4	9222 / 793	9223 / 110	2.177	1.694
97.5	9292 / 1612	9293 / 929	2.37	1.797
97.6	9363 / 383	9363 / 1748	2.204	1.636
97.7	9433 / 1202	9434 / 519	2.529	1.804
97.8	9503 / 2021	9504 / 1338	2.223	1.659
97.9	9574 / 792	9575 / 109	2.192	1.666
98	9644 / 1611	9645 / 928	2.326	1.947
98.1	9715 / 382	9715 / 1747	3.449	1.842
98.2	9785 / 1201	9786 / 518	2.225	1.639
98.3	9855 / 2020	9856 / 1337	2.132	1.629
98.4	9926 / 791	9927 / 108	2.125	1.676
98.5	9996 / 1610	9997 / 927	2.116	1.592
98.6	10067 / 381	10067 / 1746	2.133	1.737

98.7	10137 / 1200	10138 / 517	2.091	1.631
98.8	10207 / 2019	10208 / 1336	2.039	1.603
98.9	10278 / 790	10279 / 107	2.158	1.64
99	10348 / 1609	10349 / 926	2.144	1.642
99.1	10419 / 380	10419 / 1745	2.248	1.638
99.2	10489 / 1199	10490 / 516	2.161	1.642
99.3	10559 / 2018	10560 / 1335	2.568	1.534
99.4	10630 / 789	10631 / 106	2.195	1.661
99.5	10700 / 1608	10701 / 925	2.549	1.73
99.6	10771 / 379	10771 / 1744	2.26	1.732
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99.8	10911 / 2017	10912 / 1334	2.671	1.703
99.9	10982 / 788	10983 / 105	2.513	1.826
100	11052 / 1607	11053 / 924	2.025	1.847
100.1	11123 / 378	11123 / 1743	2.015	1.901
100.2	11193 / 1197	11194 / 514	2.246	2.047
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100.4	11334 / 787	11335 / 104	1.455	1.268
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100.7	11545 / 1196	11546 / 513	2.071	1.859
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100.9	11686 / 786	11687 / 103	2.279	1.922
101	11756 / 1605	11757 / 922	1.977	1.789
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102.4	12742 / 783	12743 / 100	2.534	1.791
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103	13164 / 1601	13165 / 918	2.134	1.626
103.1	13235 / 372	13235 / 1737	1.175	1.086
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104.1	13939 / 370	13939 / 1735	1.979	1.537
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104.6	14291 / 369	14291 / 1734	1.863	1.477
104.7	14361 / 1188	14362 / 505	1.99	1.599
104.8	14431 / 2007	14432 / 1324	1.896	1.731
104.9	14502 / 778	14503 / 95	1.896	1.711
105	14572 / 1597	14573 / 914	2.095	1.721
105.1	14643 / 368	14643 / 1733	1.91	1.728
105.2	14713 / 1187	14714 / 504	2.063	1.597
105.3	14783 / 2006	14784 / 1323	1.9	1.794
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105.5	14924 / 1596	14925 / 913	1.991	1.607
105.6	14995 / 367	14995 / 1732	1.922	1.505
105.7	15065 / 1186	15066 / 503	1.834	1.631
105.8	15135 / 2005	15136 / 1322	2.009	1.648
105.9	15206 / 776	15207 / 93	1.812	1.592
106	15276 / 1595	15277 / 912	1.853	1.574
106.1	15347 / 366	15347 / 1731	1.875	1.633
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106.5	15628 / 1594	15629 / 911	1.868	1.537
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106.7	15769 / 1184	15770 / 501	1.9	1.572
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107	15980 / 1593	15981 / 910	1.836	1.491
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108.9	17318 / 770	17319 / 87	1.907	1.686
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109.6	17811 / 359	17811 / 1724	1.982	1.559
109.7	17881 / 1178	17882 / 495	2.075	1.62
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110	18092 / 1587	18093 / 904	1.895	1.672
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110.2	18233 / 1177	18234 / 494	1.786	1.568
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110.9	18726 / 766	18727 / 83	2.014	1.675
111	18796 / 1585	18797 / 902	1.907	1.799
111.1	18867 / 356	18867 / 1721	2.184	1.697
111.2	18937 / 1175	18938 / 492	2.104	1.555
111.3	19007 / 1994	19008 / 1311	1.816	1.539
111.4	19078 / 765	19079 / 82	1.748	1.492
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114.2	21049 / 1169	21050 / 486	1.798	1.594
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114.5	21260 / 1578	21261 / 895	1.867	1.547
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114.9	21542 / 758	21543 / 75	1.931	1.677
115	21612 / 1577	21613 / 894	1.919	1.642
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115.6	22035 / 347	22035 / 1712	1.849	1.625
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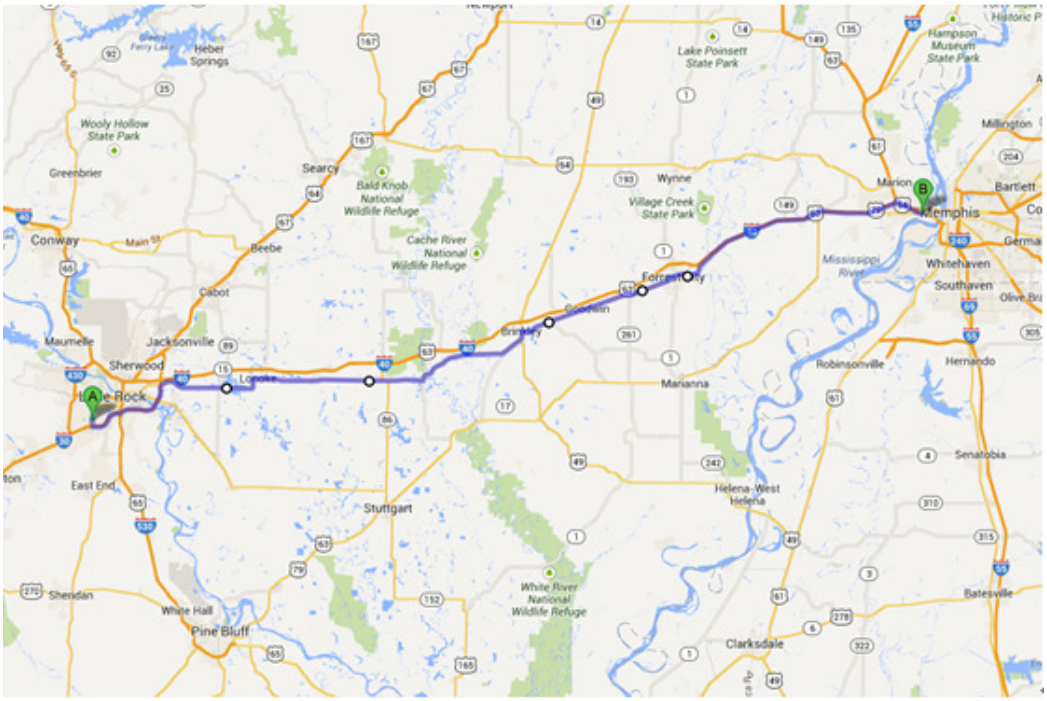
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117.1	23091 / 344	23091 / 1709	1.892	1.644
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117.4	23302 / 753	23303 / 70	1.885	1.489
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117.6	23443 / 343	23443 / 1708	1.816	1.463
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117.9	23654 / 752	23655 / 69	1.798	1.3
118	23724 / 1571	23725 / 888	1.804	1.598
118.1	23795 / 342	23795 / 1707	1.907	1.787
118.2	23865 / 1161	23866 / 478	1.983	1.784
118.3	23935 / 1980	23936 / 1297	1.958	1.667
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118.6	24147 / 341	24147 / 1706	1.917	1.605
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119.3	24639 / 1978	24640 / 1295	1.903	1.479
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119.6	24851 / 339	24851 / 1704	1.866	1.569
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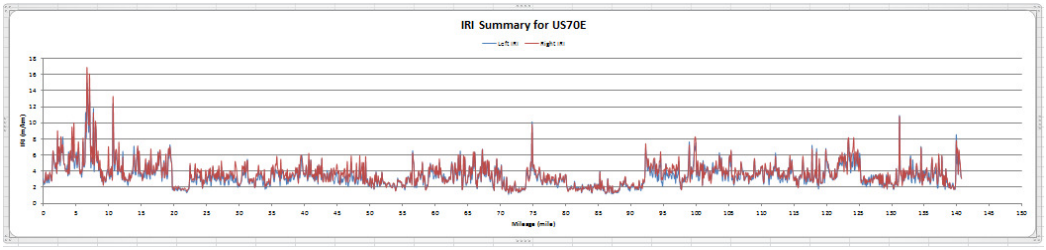
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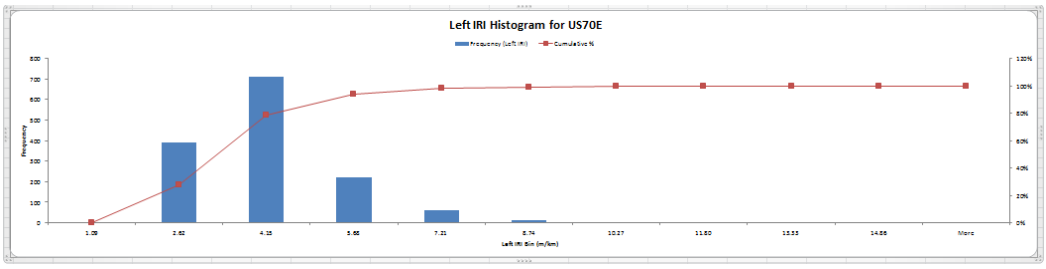
Route Description

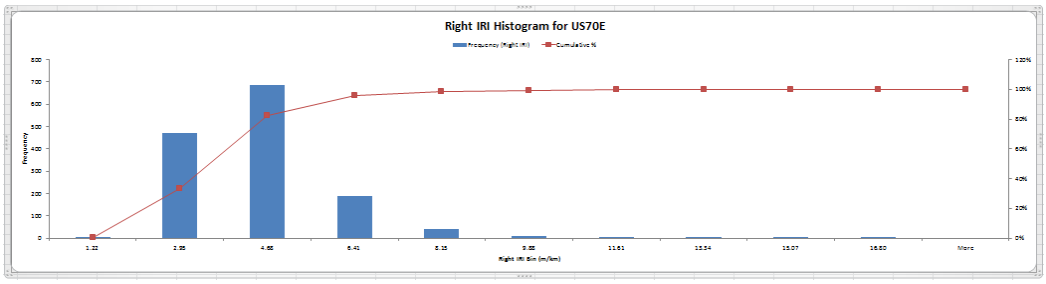
US70E (To Memphis) data collection starts at GPS coordinate of34.691397,-92.346785, and ends at GPS coordinate of35.145958,-90.124724, with a total length of 140 miles.



IRI Data


IRI Summary for US70E
Left (in)
Right (in)
IRI (in/km)
Mileage (mile)


Left IRI Histogram for US70E
Frequency (Left (in))
CumulaSve %
Frequency
Left IRI Bin (in/km)


Right IRI Histogram for US70E
Frequency (Right (in))
CumulaSve %
Frequency
Right IRI Bin (in/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	3.11	2.89
0.1	1	529	1057	2.36	2.65
0.2	2	1057	1585	2.38	2.55
0.3	3	1585	2113	2.58	2.78
0.4	4	2113	2641	3.80	3.91
0.5	5	2641	3169	2.83	2.95
0.6	6	3169	3697	2.52	2.85
0.7	7	3697	4225	3.09	3.61
0.8	8	4225	4753	2.91	3.14
0.9	9	4753	5281	2.54	2.99
1	10	5281	5809	3.62	3.90
1.1	11	5809	6337	3.37	3.57
1.2	12	6337	6865	3.32	3.51
1.3	13	6865	7393	2.85	2.75
1.4	14	7393	7921	4.64	4.45
1.5	15	7921	8449	6.42	6.51
1.6	16	8449	8977	5.82	5.71
1.7	17	8977	9505	5.25	5.05
1.8	18	9505	10033	4.35	4.74
1.9	19	10033	10561	4.30	4.48
2	20	10561	11089	4.96	5.07
2.1	21	11089	11617	3.77	3.86
2.2	22	11617	12145	8.09	9.04
2.3	23	12145	12673	5.79	4.91
2.4	24	12673	13201	5.16	6.99
2.5	25	13201	13729	5.94	6.61
2.6	26	13729	14257	4.67	5.20
2.7	27	14257	14785	6.87	8.24
2.8	28	14785	15313	6.47	7.17
2.9	29	15313	15841	6.26	6.25
3	30	15841	16369	8.26	7.29
3.1	31	16369	16897	5.93	5.58
3.2	32	16897	17425	4.78	4.91
3.3	33	17425	17953	4.80	4.90
3.4	34	17953	18481	4.23	4.04
3.5	35	18481	19009	4.29	3.91
3.6	36	19009	19537	4.02	3.94
3.7	37	19537	20065	4.78	4.21
3.8	38	20065	20593	3.41	3.66
3.9	39	20593	21121	6.41	6.16
4	40	21121	21649	3.55	3.69
4.1	41	21649	22177	6.07	6.18

4.2	42	22177	22705	5.59	6.57
4.3	43	22705	23233	5.86	5.40
4.4	44	23233	23761	5.37	9.44
4.5	45	23761	24289	8.28	7.70
4.6	46	24289	24817	5.24	5.21
4.7	47	24817	25345	5.39	10.02
4.8	48	25345	25873	4.29	5.70
4.9	49	25873	26401	4.94	5.68
5	50	26401	26929	5.63	5.71
5.1	51	26929	27457	6.35	5.95
5.2	52	27457	27985	4.44	4.81
5.3	53	27985	28513	5.21	5.94
5.4	54	28513	29041	6.79	7.65
5.5	55	29041	29569	5.57	5.58
5.6	56	29569	30097	3.88	3.88
5.7	57	30097	30625	4.07	3.59
5.8	58	30625	31153	4.04	4.19
5.9	59	31153	31681	3.23	3.80
6	60	31681	32209	4.61	4.44
6.1	61	32209	32737	7.65	8.11
6.2	62	32737	33265	4.58	4.67
6.3	63	33265	33793	4.47	4.79
6.4	64	33793	34321	5.10	5.16
6.5	65	34321	34849	11.26	10.10
6.6	66	34849	35377	8.15	8.92
6.7	67	35377	35905	14.86	16.80
6.8	68	35905	36433	12.44	13.38
6.9	69	36433	36961	10.22	11.13
7	70	36961	37489	8.94	9.85
7.1	71	37489	38017	13.76	16.10
7.2	72	38017	38545	8.65	9.16
7.3	73	38545	39073	4.46	5.16
7.4	74	39073	39601	5.70	7.08
7.5	75	39601	40129	5.37	6.70
7.6	76	40129	40657	4.91	5.04
7.7	77	40657	41185	11.81	11.25
7.8	78	41185	41713	4.13	4.75
7.9	79	41713	42241	6.48	5.16
8	80	42241	42769	9.63	10.13
8.1	81	42769	43297	8.71	9.18
8.2	82	43297	43825	5.36	5.23
8.3	83	43825	44353	5.01	5.37
8.4	84	44353	44881	5.70	6.51

8.5	85	44881	45409	4.04	4.18
8.6	86	45409	45937	4.59	4.75
8.7	87	45937	46465	4.14	5.32
8.8	88	46465	46993	3.15	3.33
8.9	89	46993	47521	4.17	4.24
9	90	47521	48049	2.70	2.73
9.1	91	48049	48577	3.53	3.97
9.2	92	48577	49105	2.37	2.24
9.3	93	49105	49633	3.18	3.12
9.4	94	49633	50161	3.26	3.36
9.5	95	50161	50689	2.73	2.79
9.6	96	50689	51217	2.62	2.76
9.7	97	51217	51745	3.41	3.44
9.8	98	51745	52273	4.11	3.91
9.9	99	52273	52801	4.23	4.05
10	100	52801	53329	3.82	7.06
10.1	101	53329	53857	3.37	3.48
10.2	102	53857	54385	3.01	3.30
10.3	103	54385	54913	3.88	4.30
10.4	104	54913	55441	3.27	3.52
10.5	105	55441	55969	4.62	4.55
10.6	106	55969	56497	3.23	3.01
10.7	107	56497	57025	12.37	13.18
10.8	108	57025	57553	6.38	8.54
10.9	109	57553	58081	4.08	4.98
11	110	58081	58609	4.59	4.83
11.1	111	58609	59137	6.37	6.64
11.2	112	59137	59665	5.57	6.72
11.3	113	59665	60193	5.15	5.75
11.4	114	60193	60721	3.55	3.96
11.5	115	60721	61249	3.67	4.42
11.6	116	61249	61777	5.15	7.62
11.7	117	61777	62305	4.18	4.07
11.8	118	62305	62833	4.19	3.89
11.9	119	62833	63361	3.84	4.34
12	120	63361	63889	4.18	4.66
12.1	121	63889	64417	2.96	3.08
12.2	122	64417	64945	6.47	5.74
12.3	123	64945	65473	3.26	2.91
12.4	124	65473	66001	3.39	3.83
12.5	125	66001	66529	2.62	2.84
12.6	126	66529	67057	3.04	3.28
12.7	127	67057	67585	2.90	2.88

12.8	128	67585	68113	2.99	2.87
12.9	129	68113	68641	2.49	2.92
13	130	68641	69169	2.24	2.71
13.1	131	69169	69697	3.13	3.13
13.2	132	69697	70225	3.69	3.75
13.3	133	70225	70753	2.87	2.73
13.4	134	70753	71281	3.23	3.46
13.5	135	71281	71809	3.29	3.14
13.6	136	71809	72337	4.03	3.94
13.7	137	72337	72865	3.63	4.21
13.8	138	72865	73393	3.74	5.02
13.9	139	73393	73921	7.12	6.11
14	140	73921	74449	5.12	5.10
14.1	141	74449	74977	3.53	4.07
14.2	142	74977	75505	3.55	3.95
14.3	143	75505	76033	5.12	5.42
14.4	144	76033	76561	5.80	6.43
14.5	145	76561	77089	6.74	7.07
14.6	146	77089	77617	3.33	3.65
14.7	147	77617	78145	5.97	6.52
14.8	148	78145	78673	4.13	4.30
14.9	149	78673	79201	3.30	3.70
15	150	79201	79729	3.69	3.82
15.1	151	79729	80257	3.43	3.53
15.2	152	80257	80785	3.01	2.78
15.3	153	80785	81313	3.22	3.45
15.4	154	81313	81841	3.77	3.99
15.5	155	81841	82369	3.17	3.90
15.6	156	82369	82897	4.17	4.51
15.7	157	82897	83425	4.95	5.56
15.8	158	83425	83953	3.35	3.81
15.9	159	83953	84481	3.06	3.57
16	160	84481	85009	5.06	4.83
16.1	161	85009	85537	3.65	3.62
16.2	162	85537	86065	5.10	5.34
16.3	163	86065	86593	3.41	3.50
16.4	164	86593	87121	3.04	3.53
16.5	165	87121	87649	6.02	6.77
16.6	166	87649	88177	4.05	4.08
16.7	167	88177	88705	3.77	3.65
16.8	168	88705	89233	3.52	3.60
16.9	169	89233	89761	4.20	4.73
17	170	89761	90289	3.84	4.23

17.1	171	90289	90817	3.44	3.74
17.2	172	90817	91345	3.75	4.02
17.3	173	91345	91873	4.98	5.04
17.4	174	91873	92401	4.07	4.14
17.5	175	92401	92929	4.42	4.25
17.6	176	92929	93457	6.42	6.27
17.7	177	93457	93985	4.67	4.75
17.8	178	93985	94513	5.85	6.10
17.9	179	94513	95041	5.90	6.67
18	180	95041	95569	5.48	5.74
18.1	181	95569	96097	4.27	4.42
18.2	182	96097	96625	2.72	3.17
18.3	183	96625	97153	4.39	4.45
18.4	184	97153	97681	4.08	4.05
18.5	185	97681	98209	5.32	5.05
18.6	186	98209	98737	3.17	3.17
18.7	187	98737	99265	4.17	3.77
18.8	188	99265	99793	5.36	6.13
18.9	189	99793	100321	3.60	3.61
19	190	100321	100849	3.01	3.53
19.1	191	100849	101377	3.78	4.37
19.2	192	101377	101905	6.57	6.81
19.3	193	101905	102433	5.57	5.91
19.4	194	102433	102961	7.26	7.05
19.5	195	102961	103489	6.48	6.16
19.6	196	103489	104017	5.37	5.23
19.7	197	104017	104545	4.77	4.95
19.8	198	104545	105073	1.69	1.87
19.9	199	105073	105601	2.08	2.06
20	200	105601	106129	1.66	1.74
20.1	201	106129	106657	1.63	1.54
20.2	202	106657	107185	1.84	2.04
20.3	203	107185	107713	1.83	2.15
20.4	204	107713	108241	1.61	1.90
20.5	205	108241	108769	1.83	1.91
20.6	206	108769	109297	1.55	1.69
20.7	207	109297	109825	2.14	2.15
20.8	208	109825	110353	1.75	1.94
20.9	209	110353	110881	1.76	1.87
21	210	110881	111409	1.95	1.82
21.1	211	111409	111937	1.57	1.66
21.2	212	111937	112465	1.63	1.66
21.3	213	112465	112993	1.85	1.86

21.4	214	112993	113521	1.83	1.82
21.5	215	113521	114049	1.62	1.65
21.6	216	114049	114577	1.70	1.85
21.7	217	114577	115105	1.59	1.91
21.8	218	115105	115633	1.59	1.77
21.9	219	115633	116161	1.45	1.72
22	220	116161	116689	1.31	1.45
22.1	221	116689	117217	1.45	1.65
22.2	222	117217	117745	1.63	1.78
22.3	223	117745	118273	1.69	1.81
22.4	224	118273	118801	2.47	2.68
22.5	225	118801	119329	4.68	4.97
22.6	226	119329	119857	3.12	3.21
22.7	227	119857	120385	2.83	3.61
22.8	228	120385	120913	2.61	2.87
22.9	229	120913	121441	2.79	2.92
23	230	121441	121969	2.76	3.08
23.1	231	121969	122497	2.60	2.87
23.2	232	122497	123025	3.37	3.89
23.3	233	123025	123553	4.45	4.95
23.4	234	123553	124081	2.72	3.30
23.5	235	124081	124609	2.32	2.90
23.6	236	124609	125137	3.63	4.30
23.7	237	125137	125665	3.14	3.93
23.8	238	125665	126193	3.27	4.21
23.9	239	126193	126721	3.17	3.78
24	240	126721	127249	3.48	4.04
24.1	241	127249	127777	2.68	2.82
24.2	242	127777	128305	3.62	4.30
24.3	243	128305	128833	2.86	2.95
24.4	244	128833	129361	1.85	1.89
24.5	245	129361	129889	2.50	2.98
24.6	246	129889	130417	2.52	2.35
24.7	247	130417	130945	2.47	2.86
24.8	248	130945	131473	2.54	2.98
24.9	249	131473	132001	3.28	4.13
25	250	132001	132529	2.75	3.50
25.1	251	132529	133057	2.33	2.66
25.2	252	133057	133585	3.35	3.24
25.3	253	133585	134113	3.17	3.35
25.4	254	134113	134641	4.07	4.25
25.5	255	134641	135169	2.79	3.61
25.6	256	135169	135697	3.81	4.39

25.7	257	135697	136225	2.10	2.71
25.8	258	136225	136753	2.90	3.36
25.9	259	136753	137281	3.19	3.53
26	260	137281	137809	4.50	4.67
26.1	261	137809	138337	3.57	3.50
26.2	262	138337	138865	2.93	3.18
26.3	263	138865	139393	3.30	3.67
26.4	264	139393	139921	2.83	3.06
26.5	265	139921	140449	2.72	3.80
26.6	266	140449	140977	2.95	2.88
26.7	267	140977	141505	4.11	4.13
26.8	268	141505	142033	3.01	3.23
26.9	269	142033	142561	4.15	4.69
27	270	142561	143089	2.82	3.57
27.1	271	143089	143617	2.65	2.96
27.2	272	143617	144145	2.32	2.82
27.3	273	144145	144673	4.59	5.27
27.4	274	144673	145201	3.34	3.42
27.5	275	145201	145729	3.02	3.34
27.6	276	145729	146257	3.91	4.01
27.7	277	146257	146785	2.34	3.13
27.8	278	146785	147313	2.21	2.53
27.9	279	147313	147841	2.91	3.24
28	280	147841	148369	2.78	3.03
28.1	281	148369	148897	3.27	3.76
28.2	282	148897	149425	3.00	2.94
28.3	283	149425	149953	2.85	3.63
28.4	284	149953	150481	2.24	3.03
28.5	285	150481	151009	2.71	3.37
28.6	286	151009	151537	3.14	3.96
28.7	287	151537	152065	3.74	4.08
28.8	288	152065	152593	3.45	3.59
28.9	289	152593	153121	2.78	3.46
29	290	153121	153649	3.64	3.95
29.1	291	153649	154177	2.69	2.93
29.2	292	154177	154705	2.54	3.50
29.3	293	154705	155233	2.71	3.15
29.4	294	155233	155761	3.11	5.18
29.5	295	155761	156289	2.53	4.83
29.6	296	156289	156817	3.21	4.30
29.7	297	156817	157345	3.41	3.45
29.8	298	157345	157873	2.01	2.31
29.9	299	157873	158401	2.32	2.55

30	300	158401	158929	2.14	2.13
30.1	301	158929	159457	2.09	2.38
30.2	302	159457	159985	2.40	2.41
30.3	303	159985	160513	2.52	2.67
30.4	304	160513	161041	2.80	3.16
30.5	305	161041	161569	3.81	4.66
30.6	306	161569	162097	3.45	4.22
30.7	307	162097	162625	4.14	4.57
30.8	308	162625	163153	3.61	3.49
30.9	309	163153	163681	5.12	5.21
31	310	163681	164209	3.17	3.86
31.1	311	164209	164737	3.90	3.89
31.2	312	164737	165265	4.54	5.28
31.3	313	165265	165793	5.43	5.31
31.4	314	165793	166321	2.62	3.23
31.5	315	166321	166849	2.73	3.03
31.6	316	166849	167377	2.35	2.47
31.7	317	167377	167905	2.97	3.05
31.8	318	167905	168433	2.96	2.75
31.9	319	168433	168961	3.06	3.08
32	320	168961	169489	2.48	2.74
32.1	321	169489	170017	2.60	2.65
32.2	322	170017	170545	2.84	3.14
32.3	323	170545	171073	2.86	3.17
32.4	324	171073	171601	1.98	1.97
32.5	325	171601	172129	2.03	2.06
32.6	326	172129	172657	3.12	3.42
32.7	327	172657	173185	2.97	3.71
32.8	328	173185	173713	2.85	3.30
32.9	329	173713	174241	3.16	4.01
33	330	174241	174769	4.08	4.75
33.1	331	174769	175297	3.46	3.57
33.2	332	175297	175825	2.88	3.59
33.3	333	175825	176353	3.33	3.65
33.4	334	176353	176881	3.78	4.03
33.5	335	176881	177409	3.17	3.49
33.6	336	177409	177937	2.69	3.41
33.7	337	177937	178465	2.15	2.82
33.8	338	178465	178993	2.62	3.22
33.9	339	178993	179521	3.69	4.19
34	340	179521	180049	1.78	2.06
34.1	341	180049	180577	2.09	2.43
34.2	342	180577	181105	1.85	2.12

34.3	343	181105	181633	2.45	2.72
34.4	344	181633	182161	2.31	2.57
34.5	345	182161	182689	2.53	2.72
34.6	346	182689	183217	2.81	3.10
34.7	347	183217	183745	2.11	2.27
34.8	348	183745	184273	2.13	2.55
34.9	349	184273	184801	3.41	3.48
35	350	184801	185329	4.43	4.48
35.1	351	185329	185857	3.58	3.62
35.2	352	185857	186385	4.59	4.78
35.3	353	186385	186913	2.93	3.85
35.4	354	186913	187441	2.64	3.07
35.5	355	187441	187969	3.46	3.97
35.6	356	187969	188497	4.23	4.89
35.7	357	188497	189025	3.99	4.73
35.8	358	189025	189553	3.73	5.86
35.9	359	189553	190081	3.72	4.46
36	360	190081	190609	3.93	4.15
36.1	361	190609	191137	3.24	3.49
36.2	362	191137	191665	3.69	4.11
36.3	363	191665	192193	2.19	2.76
36.4	364	192193	192721	4.31	5.49
36.5	365	192721	193249	3.06	3.62
36.6	366	193249	193777	4.11	4.12
36.7	367	193777	194305	3.72	4.17
36.8	368	194305	194833	4.03	4.04
36.9	369	194833	195361	3.02	2.99
37	370	195361	195889	2.86	3.46
37.1	371	195889	196417	3.04	3.42
37.2	372	196417	196945	3.14	3.88
37.3	373	196945	197473	2.34	3.10
37.4	374	197473	198001	3.60	4.25
37.5	375	198001	198529	2.41	2.69
37.6	376	198529	199057	3.11	3.27
37.7	377	199057	199585	2.72	3.08
37.8	378	199585	200113	3.38	3.81
37.9	379	200113	200641	2.69	3.16
38	380	200641	201169	3.15	3.25
38.1	381	201169	201697	3.53	3.65
38.2	382	201697	202225	3.62	3.86
38.3	383	202225	202753	3.11	3.69
38.4	384	202753	203281	2.92	3.40
38.5	385	203281	203809	3.28	3.25

38.6	386	203809	204337	3.57	3.65
38.7	387	204337	204865	4.27	4.48
38.8	388	204865	205393	3.76	3.76
38.9	389	205393	205921	3.51	4.43
39	390	205921	206449	3.10	3.46
39.1	391	206449	206977	2.70	2.51
39.2	392	206977	207505	4.52	4.85
39.3	393	207505	208033	3.14	3.53
39.4	394	208033	208561	3.89	5.41
39.5	395	208561	209089	4.65	6.01
39.6	396	209089	209617	5.98	5.67
39.7	397	209617	210145	5.15	5.36
39.8	398	210145	210673	4.09	4.09
39.9	399	210673	211201	3.65	3.57
40	400	211201	211729	3.36	3.78
40.1	401	211729	212257	3.30	3.46
40.2	402	212257	212785	3.58	3.69
40.3	403	212785	213313	4.63	4.77
40.4	404	213313	213841	3.65	3.76
40.5	405	213841	214369	2.75	2.94
40.6	406	214369	214897	3.37	3.53
40.7	407	214897	215425	5.29	6.23
40.8	408	215425	215953	3.29	3.53
40.9	409	215953	216481	3.56	3.60
41	410	216481	217009	5.41	5.37
41.1	411	217009	217537	3.59	3.84
41.2	412	217537	218065	3.23	3.29
41.3	413	218065	218593	3.48	3.59
41.4	414	218593	219121	2.99	3.22
41.5	415	219121	219649	3.36	3.65
41.6	416	219649	220177	2.72	2.80
41.7	417	220177	220705	4.22	4.27
41.8	418	220705	221233	2.93	3.43
41.9	419	221233	221761	3.17	3.45
42	420	221761	222289	4.64	4.59
42.1	421	222289	222817	2.38	2.60
42.2	422	222817	223345	4.66	4.80
42.3	423	223345	223873	3.72	3.98
42.4	424	223873	224401	3.88	3.62
42.5	425	224401	224929	4.47	4.69
42.6	426	224929	225457	2.92	3.21
42.7	427	225457	225985	5.51	5.66
42.8	428	225985	226513	3.10	2.94

42.9	429	226513	227041	2.64	2.64
43	430	227041	227569	3.73	3.70
43.1	431	227569	228097	3.59	3.68
43.2	432	228097	228625	3.44	3.36
43.3	433	228625	229153	2.95	2.65
43.4	434	229153	229681	2.93	2.93
43.5	435	229681	230209	4.10	3.79
43.6	436	230209	230737	3.29	3.20
43.7	437	230737	231265	2.91	2.63
43.8	438	231265	231793	3.43	3.05
43.9	439	231793	232321	3.88	3.80
44	440	232321	232849	2.72	2.69
44.1	441	232849	233377	4.26	4.30
44.2	442	233377	233905	3.96	3.93
44.3	443	233905	234433	3.42	3.56
44.4	444	234433	234961	2.83	2.85
44.5	445	234961	235489	2.74	4.39
44.6	446	235489	236017	2.41	3.83
44.7	447	236017	236545	3.20	3.51
44.8	448	236545	237073	3.32	4.16
44.9	449	237073	237601	3.86	4.26
45	450	237601	238129	3.88	4.87
45.1	451	238129	238657	3.23	3.99
45.2	452	238657	239185	2.54	3.68
45.3	453	239185	239713	2.79	4.04
45.4	454	239713	240241	2.54	2.37
45.5	455	240241	240769	2.32	2.48
45.6	456	240769	241297	3.48	3.91
45.7	457	241297	241825	2.56	3.50
45.8	458	241825	242353	3.02	3.68
45.9	459	242353	242881	2.61	3.86
46	460	242881	243409	3.08	3.24
46.1	461	243409	243937	3.12	4.12
46.2	462	243937	244465	3.37	4.35
46.3	463	244465	244993	3.04	3.33
46.4	464	244993	245521	2.31	2.66
46.5	465	245521	246049	3.51	3.90
46.6	466	246049	246577	3.20	5.20
46.7	467	246577	247105	2.09	2.64
46.8	468	247105	247633	2.46	3.46
46.9	469	247633	248161	2.68	3.67
47	470	248161	248689	2.80	3.30
47.1	471	248689	249217	3.63	4.43

47.2	472	249217	249745	5.11	5.90
47.3	473	249745	250273	3.77	3.84
47.4	474	250273	250801	2.70	3.84
47.5	475	250801	251329	3.42	3.87
47.6	476	251329	251857	3.25	4.07
47.7	477	251857	252385	2.63	2.88
47.8	478	252385	252913	2.35	2.48
47.9	479	252913	253441	2.81	3.15
48	480	253441	253969	3.97	5.03
48.1	481	253969	254497	2.74	3.05
48.2	482	254497	255025	2.32	3.23
48.3	483	255025	255553	2.78	2.93
48.4	484	255553	256081	3.80	3.28
48.5	485	256081	256609	5.04	5.92
48.6	486	256609	257137	3.20	3.06
48.7	487	257137	257665	2.79	3.84
48.8	488	257665	258193	3.17	4.42
48.9	489	258193	258721	3.67	5.03
49	490	258721	259249	2.43	2.44
49.1	491	259249	259777	4.04	5.06
49.2	492	259777	260305	2.57	2.46
49.3	493	260305	260833	2.40	2.37
49.4	494	260833	261361	5.17	5.84
49.5	495	261361	261889	2.93	2.71
49.6	496	261889	262417	2.55	2.59
49.7	497	262417	262945	3.06	2.91
49.8	498	262945	263473	2.12	2.40
49.9	499	263473	264001	2.36	2.50
50	500	264001	264529	2.33	2.19
50.1	501	264529	265057	3.08	3.30
50.2	502	265057	265585	2.56	2.72
50.3	503	265585	266113	1.87	1.96
50.4	504	266113	266641	3.05	3.14
50.5	505	266641	267169	2.42	2.51
50.6	506	267169	267697	2.40	2.48
50.7	507	267697	268225	1.74	1.82
50.8	508	268225	268753	3.14	3.51
50.9	509	268753	269281	2.65	2.75
51	510	269281	269809	3.94	3.83
51.1	511	269809	270337	2.64	2.71
51.2	512	270337	270865	2.03	2.39
51.3	513	270865	271393	2.94	3.43
51.4	514	271393	271921	2.84	2.96

51.5	515	271921	272449	2.52	2.46
51.6	516	272449	272977	2.09	2.15
51.7	517	272977	273505	3.09	3.12
51.8	518	273505	274033	2.34	2.44
51.9	519	274033	274561	3.86	3.89
52	520	274561	275089	2.95	2.99
52.1	521	275089	275617	2.54	2.70
52.2	522	275617	276145	2.38	2.50
52.3	523	276145	276673	2.65	2.67
52.4	524	276673	277201	2.38	2.53
52.5	525	277201	277729	2.24	2.16
52.6	526	277729	278257	2.38	1.96
52.7	527	278257	278785	2.45	2.50
52.8	528	278785	279313	2.43	2.35
52.9	529	279313	279841	2.45	2.64
53	530	279841	280369	2.54	2.58
53.1	531	280369	280897	2.20	2.51
53.2	532	280897	281425	2.03	2.08
53.3	533	281425	281953	2.19	2.11
53.4	534	281953	282481	1.99	1.96
53.5	535	282481	283009	1.93	1.91
53.6	536	283009	283537	2.43	2.46
53.7	537	283537	284065	2.45	2.54
53.8	538	284065	284593	2.30	2.45
53.9	539	284593	285121	1.91	2.03
54	540	285121	285649	1.60	1.51
54.1	541	285649	286177	2.12	1.97
54.2	542	286177	286705	2.01	2.05
54.3	543	286705	287233	3.13	2.96
54.4	544	287233	287761	2.76	2.89
54.5	545	287761	288289	2.59	2.66
54.6	546	288289	288817	2.78	2.84
54.7	547	288817	289345	2.63	2.78
54.8	548	289345	289873	2.56	2.54
54.9	549	289873	290401	2.61	2.68
55	550	290401	290929	1.98	1.94
55.1	551	290929	291457	2.17	2.31
55.2	552	291457	291985	2.20	2.34
55.3	553	291985	292513	2.15	2.30
55.4	554	292513	293041	1.64	1.89
55.5	555	293041	293569	2.13	2.24
55.6	556	293569	294097	3.02	3.23
55.7	557	294097	294625	2.38	2.54

55.8	558	294625	295153	2.98	3.19
55.9	559	295153	295681	3.38	3.21
56	560	295681	296209	3.10	3.18
56.1	561	296209	296737	2.63	2.92
56.2	562	296737	297265	2.90	2.56
56.3	563	297265	297793	3.66	3.89
56.4	564	297793	298321	3.50	3.38
56.5	565	298321	298849	2.62	2.34
56.6	566	298849	299377	6.47	6.18
56.7	567	299377	299905	5.22	5.42
56.8	568	299905	300433	4.95	4.68
56.9	569	300433	300961	1.99	2.13
57	570	300961	301489	2.33	2.32
57.1	571	301489	302017	2.69	3.11
57.2	572	302017	302545	1.92	2.23
57.3	573	302545	303073	2.79	3.21
57.4	574	303073	303601	2.82	2.70
57.5	575	303601	304129	3.84	4.05
57.6	576	304129	304657	3.67	3.78
57.7	577	304657	305185	3.44	3.47
57.8	578	305185	305713	2.93	3.14
57.9	579	305713	306241	3.75	4.05
58	580	306241	306769	3.50	3.77
58.1	581	306769	307297	4.98	5.15
58.2	582	307297	307825	2.30	2.61
58.3	583	307825	308353	2.78	3.05
58.4	584	308353	308881	3.12	3.51
58.5	585	308881	309409	2.97	2.81
58.6	586	309409	309937	1.70	1.64
58.7	587	309937	310465	1.92	1.77
58.8	588	310465	310993	2.32	2.06
58.9	589	310993	311521	2.08	2.04
59	590	311521	312049	3.12	2.73
59.1	591	312049	312577	4.46	4.50
59.2	592	312577	313105	3.23	3.59
59.3	593	313105	313633	4.97	4.85
59.4	594	313633	314161	4.37	4.28
59.5	595	314161	314689	3.87	4.28
59.6	596	314689	315217	4.11	4.13
59.7	597	315217	315745	4.70	4.81
59.8	598	315745	316273	3.04	4.01
59.9	599	316273	316801	3.37	3.94
60	600	316801	317329	3.35	3.62

60.1	601	317329	317857	3.92	4.63
60.2	602	317857	318385	3.08	3.46
60.3	603	318385	318913	3.97	4.70
60.4	604	318913	319441	4.04	3.60
60.5	605	319441	319969	3.87	4.05
60.6	606	319969	320497	3.16	3.19
60.7	607	320497	321025	5.08	5.54
60.8	608	321025	321553	3.85	3.58
60.9	609	321553	322081	4.09	4.43
61	610	322081	322609	3.50	3.36
61.1	611	322609	323137	3.29	3.00
61.2	612	323137	323665	2.56	2.66
61.3	613	323665	324193	3.39	3.26
61.4	614	324193	324721	3.68	3.21
61.5	615	324721	325249	2.62	2.40
61.6	616	325249	325777	3.31	2.94
61.7	617	325777	326305	2.72	3.04
61.8	618	326305	326833	2.94	2.53
61.9	619	326833	327361	2.58	2.90
62	620	327361	327889	2.63	2.68
62.1	621	327889	328417	3.02	2.79
62.2	622	328417	328945	3.26	3.23
62.3	623	328945	329473	2.96	3.31
62.4	624	329473	330001	3.13	2.95
62.5	625	330001	330529	4.09	4.19
62.6	626	330529	331057	5.16	4.99
62.7	627	331057	331585	4.04	4.76
62.8	628	331585	332113	2.69	2.90
62.9	629	332113	332641	2.45	2.49
63	630	332641	333169	4.30	4.08
63.1	631	333169	333697	4.99	5.08
63.2	632	333697	334225	3.58	3.73
63.3	633	334225	334753	3.81	4.32
63.4	634	334753	335281	2.80	3.07
63.5	635	335281	335809	3.25	3.04
63.6	636	335809	336337	5.64	6.07
63.7	637	336337	336865	3.94	4.06
63.8	638	336865	337393	3.50	4.04
63.9	639	337393	337921	6.51	6.07
64	640	337921	338449	3.99	4.08
64.1	641	338449	338977	3.31	4.11
64.2	642	338977	339505	1.76	1.68
64.3	643	339505	340033	2.16	2.29

64.4	644	340033	340561	3.60	5.93
64.5	645	340561	341089	3.40	3.55
64.6	646	341089	341617	5.48	5.79
64.7	647	341617	342145	3.13	3.32
64.8	648	342145	342673	2.22	2.48
64.9	649	342673	343201	2.50	2.50
65	650	343201	343729	2.58	2.58
65.1	651	343729	344257	3.56	3.45
65.2	652	344257	344785	3.30	3.37
65.3	653	344785	345313	4.68	4.65
65.4	654	345313	345841	4.10	4.43
65.5	655	345841	346369	2.47	2.94
65.6	656	346369	346897	4.50	4.49
65.7	657	346897	347425	2.95	3.59
65.8	658	347425	347953	4.25	4.30
65.9	659	347953	348481	5.75	6.40
66	660	348481	349009	4.21	4.53
66.1	661	349009	349537	6.38	6.36
66.2	662	349537	350065	5.00	5.10
66.3	663	350065	350593	2.41	2.41
66.4	664	350593	351121	2.68	2.86
66.5	665	351121	351649	1.84	1.99
66.6	666	351649	352177	3.57	3.61
66.7	667	352177	352705	3.07	3.27
66.8	668	352705	353233	3.66	3.78
66.9	669	353233	353761	3.82	3.71
67	670	353761	354289	4.41	4.58
67.1	671	354289	354817	2.62	2.73
67.2	672	354817	355345	5.25	5.25
67.3	673	355345	355873	6.70	6.67
67.4	674	355873	356401	3.68	3.73
67.5	675	356401	356929	4.60	5.15
67.6	676	356929	357457	3.37	3.53
67.7	677	357457	357985	5.22	5.24
67.8	678	357985	358513	3.29	3.59
67.9	679	358513	359041	3.59	4.21
68	680	359041	359569	4.65	5.32
68.1	681	359569	360097	5.01	5.37
68.2	682	360097	360625	3.43	3.40
68.3	683	360625	361153	4.87	5.25
68.4	684	361153	361681	3.12	3.41
68.5	685	361681	362209	2.66	2.97
68.6	686	362209	362737	2.98	3.12

68.7	687	362737	363265	3.81	4.07
68.8	688	363265	363793	3.18	3.23
68.9	689	363793	364321	1.96	2.53
69	690	364321	364849	2.02	2.01
69.1	691	364849	365377	1.61	1.64
69.2	692	365377	365905	4.64	4.41
69.3	693	365905	366433	3.36	3.55
69.4	694	366433	366961	4.04	4.20
69.5	695	366961	367489	5.42	5.55
69.6	696	367489	368017	2.45	2.55
69.7	697	368017	368545	4.37	4.06
69.8	698	368545	369073	4.13	4.15
69.9	699	369073	369601	3.30	2.82
70	700	369601	370129	3.96	3.24
70.1	701	370129	370657	3.74	3.77
70.2	702	370657	371185	4.75	4.60
70.3	703	371185	371713	1.86	1.77
70.4	704	371713	372241	2.66	2.25
70.5	705	372241	372769	2.09	2.43
70.6	706	372769	373297	3.31	2.91
70.7	707	373297	373825	1.86	1.90
70.8	708	373825	374353	1.58	1.57
70.9	709	374353	374881	1.49	1.56
71	710	374881	375409	3.23	3.29
71.1	711	375409	375937	1.92	1.68
71.2	712	375937	376465	1.67	1.79
71.3	713	376465	376993	1.09	1.26
71.4	714	376993	377521	1.73	1.77
71.5	715	377521	378049	2.08	2.24
71.6	716	378049	378577	1.70	1.72
71.7	717	378577	379105	1.20	1.36
71.8	718	379105	379633	2.07	2.15
71.9	719	379633	380161	1.66	1.52
72	720	380161	380689	1.55	1.50
72.1	721	380689	381217	1.99	2.17
72.2	722	381217	381745	2.20	2.31
72.3	723	381745	382273	2.65	2.78
72.4	724	382273	382801	1.52	1.52
72.5	725	382801	383329	1.57	1.61
72.6	726	383329	383857	1.70	1.82
72.7	727	383857	384385	1.60	1.63
72.8	728	384385	384913	1.31	1.37
72.9	729	384913	385441	1.95	1.85

73	730	385441	385969	1.36	1.43
73.1	731	385969	386497	1.44	1.58
73.2	732	386497	387025	1.50	1.53
73.3	733	387025	387553	1.61	1.97
73.4	734	387553	388081	1.64	1.68
73.5	735	388081	388609	1.89	1.87
73.6	0	1	529	1.62	1.76
73.7	1	529	1057	1.88	1.88
73.8	2	1057	1585	1.87	1.62
73.9	3	1585	2113	1.80	2.11
74	4	2113	2641	3.25	3.11
74.1	5	2641	3169	4.25	4.38
74.2	6	3169	3697	3.46	4.49
74.3	7	3697	4225	3.33	3.32
74.4	8	4225	4753	2.95	2.73
74.5	9	4753	5281	3.51	2.96
74.6	10	5281	5809	3.37	3.50
74.7	11	5809	6337	5.09	5.17
74.8	12	6337	6865	4.14	4.58
74.9	13	6865	7393	10.13	9.83
75	14	7393	7921	5.07	5.66
75.1	15	7921	8449	4.20	4.38
75.2	16	8449	8977	4.51	4.81
75.3	17	8977	9505	3.52	3.83
75.4	18	9505	10033	3.75	4.21
75.5	19	10033	10561	3.64	3.91
75.6	20	10561	11089	3.06	3.10
75.7	21	11089	11617	2.74	3.39
75.8	22	11617	12145	3.27	3.56
75.9	23	12145	12673	3.56	3.77
76	24	12673	13201	3.86	4.53
76.1	25	13201	13729	4.11	4.16
76.2	26	13729	14257	3.00	3.29
76.3	27	14257	14785	2.68	2.86
76.4	28	14785	15313	2.48	2.91
76.5	29	15313	15841	2.26	2.32
76.6	30	15841	16369	2.69	2.70
76.7	31	16369	16897	3.58	3.90
76.8	32	16897	17425	2.82	2.89
76.9	33	17425	17953	3.09	2.65
77	34	17953	18481	2.82	2.56
77.1	35	18481	19009	3.08	3.47
77.2	36	19009	19537	2.29	2.52

77.3	37	19537	20065	3.65	3.70
77.4	38	20065	20593	3.09	2.82
77.5	39	20593	21121	3.05	3.60
77.6	40	21121	21649	2.75	3.12
77.7	41	21649	22177	2.48	2.64
77.8	42	22177	22705	2.36	2.52
77.9	43	22705	23233	3.11	3.34
78	44	23233	23761	2.80	3.02
78.1	45	23761	24289	3.01	3.32
78.2	46	24289	24817	2.84	3.16
78.3	47	24817	25345	2.87	3.01
78.4	48	25345	25873	2.27	2.31
78.5	49	25873	26401	3.57	3.60
78.6	50	26401	26929	2.36	2.67
78.7	51	26929	27457	2.23	2.45
78.8	52	27457	27985	1.93	2.30
78.9	53	27985	28513	2.03	2.41
79	54	28513	29041	3.13	3.14
79.1	55	29041	29569	2.60	2.93
79.2	56	29569	30097	3.73	3.72
79.3	57	30097	30625	3.13	3.25
79.4	58	30625	31153	2.94	2.87
79.5	59	31153	31681	2.66	2.95
79.6	60	31681	32209	3.11	3.11
79.7	61	32209	32737	2.94	3.41
79.8	62	32737	33265	2.62	2.54
79.9	63	33265	33793	2.87	2.92
80	64	33793	34321	3.61	3.57
80.1	65	34321	34849	3.46	3.57
80.2	66	34849	35377	2.33	2.19
80.3	67	35377	35905	1.84	1.86
80.4	68	35905	36433	1.56	1.47
80.5	69	36433	36961	1.58	1.56
80.6	70	36961	37489	1.91	1.86
80.7	71	37489	38017	1.77	1.74
80.8	72	38017	38545	1.97	1.72
80.9	73	38545	39073	2.21	2.07
81	74	39073	39601	1.87	1.91
81.1	75	39601	40129	1.76	1.76
81.2	76	40129	40657	1.87	1.81
81.3	77	40657	41185	1.91	1.79
81.4	78	41185	41713	2.76	2.58
81.5	79	41713	42241	2.06	1.99

81.6	80	42241	42769	1.70	1.48
81.7	81	42769	43297	1.93	1.77
81.8	82	43297	43825	2.00	1.86
81.9	83	43825	44353	1.51	1.56
82	84	44353	44881	2.01	1.90
82.1	85	44881	45409	1.81	1.70
82.2	86	45409	45937	1.77	1.77
82.3	87	45937	46465	1.98	1.88
82.4	88	46465	46993	1.75	1.78
82.5	89	46993	47521	1.31	1.39
82.6	90	47521	48049	2.38	2.24
82.7	91	48049	48577	1.71	1.75
82.8	92	48577	49105	2.02	1.90
82.9	93	49105	49633	1.82	1.84
83	94	49633	50161	1.87	1.91
83.1	95	50161	50689	1.95	1.92
83.2	96	50689	51217	1.81	2.05
83.3	97	51217	51745	1.86	1.80
83.4	98	51745	52273	1.80	1.73
83.5	99	52273	52801	2.37	2.29
83.6	100	52801	53329	1.73	1.70
83.7	101	53329	53857	1.58	1.66
83.8	102	53857	54385	2.36	2.23
83.9	103	54385	54913	2.30	2.31
84	104	54913	55441	1.33	1.40
84.1	105	55441	55969	1.27	1.35
84.2	106	55969	56497	2.13	1.95
84.3	107	56497	57025	1.99	1.94
84.4	108	57025	57553	2.12	2.01
84.5	109	57553	58081	2.52	2.38
84.6	110	58081	58609	1.89	1.87
84.7	111	58609	59137	1.80	1.77
84.8	112	59137	59665	2.20	2.42
84.9	113	59665	60193	1.62	1.74
85	114	60193	60721	2.40	2.28
85.1	115	60721	61249	2.01	1.96
85.2	116	61249	61777	1.78	1.79
85.3	117	61777	62305	4.00	3.94
85.4	118	62305	62833	1.68	1.65
85.5	119	62833	63361	1.85	2.02
85.6	120	63361	63889	2.74	2.87
85.7	121	63889	64417	1.90	1.97
85.8	122	64417	64945	1.57	1.76

85.9	123	64945	65473	2.08	2.15
86	124	65473	66001	1.52	1.51
86.1	125	66001	66529	1.30	1.39
86.2	126	66529	67057	1.14	1.22
86.3	127	67057	67585	1.44	1.43
86.4	128	67585	68113	1.29	1.39
86.5	129	68113	68641	3.10	3.03
86.6	130	68641	69169	1.90	1.94
86.7	131	69169	69697	1.34	1.38
86.8	132	69697	70225	2.16	2.17
86.9	133	70225	70753	1.99	1.92
87	134	70753	71281	1.74	1.95
87.1	135	71281	71809	1.16	1.34
87.2	136	71809	72337	2.06	2.21
87.3	137	72337	72865	1.19	1.28
87.4	138	72865	73393	1.36	1.34
87.5	139	73393	73921	1.36	1.33
87.6	140	73921	74449	1.65	1.63
87.7	141	74449	74977	1.37	1.35
87.8	142	74977	75505	1.46	1.55
87.9	143	75505	76033	1.29	1.42
88	144	76033	76561	1.56	1.63
88.1	145	76561	77089	1.31	1.44
88.2	146	77089	77617	1.72	1.84
88.3	147	77617	78145	1.59	1.73
88.4	148	78145	78673	2.49	2.72
88.5	149	78673	79201	2.55	2.59
88.6	150	79201	79729	2.18	2.42
88.7	151	79729	80257	2.40	2.42
88.8	152	80257	80785	2.13	2.15
88.9	153	80785	81313	2.77	2.76
89	154	81313	81841	2.26	2.43
89.1	155	81841	82369	2.86	3.15
89.2	156	82369	82897	3.17	3.33
89.3	157	82897	83425	2.07	2.36
89.4	158	83425	83953	2.27	2.42
89.5	159	83953	84481	2.17	2.36
89.6	160	84481	85009	1.94	2.04
89.7	161	85009	85537	1.63	1.89
89.8	162	85537	86065	1.87	2.06
89.9	163	86065	86593	1.50	1.77
90	164	86593	87121	2.04	2.07
90.1	165	87121	87649	1.98	2.18

90.2	166	87649	88177	2.20	2.40
90.3	167	88177	88705	1.96	2.15
90.4	168	88705	89233	2.38	2.59
90.5	169	89233	89761	2.11	2.23
90.6	170	89761	90289	1.96	2.06
90.7	171	90289	90817	1.62	1.76
90.8	172	90817	91345	2.06	2.09
90.9	173	91345	91873	2.08	2.07
91	174	91873	92401	1.64	1.83
91.1	175	92401	92929	2.11	2.11
91.2	176	92929	93457	1.69	1.70
91.3	177	93457	93985	2.78	2.87
91.4	178	93985	94513	1.95	2.24
91.5	179	94513	95041	1.81	2.07
91.6	180	95041	95569	1.57	1.90
91.7	181	95569	96097	2.47	2.22
91.8	182	96097	96625	2.20	1.84
91.9	183	96625	97153	2.72	2.99
92	184	97153	97681	2.43	2.62
92.1	185	97681	98209	2.82	2.61
92.2	186	98209	98737	3.29	3.53
92.3	187	98737	99265	6.77	7.38
92.4	188	99265	99793	5.63	5.77
92.5	189	99793	100321	5.65	5.53
92.6	190	100321	100849	4.00	4.47
92.7	191	100849	101377	5.29	5.58
92.8	192	101377	101905	4.20	4.65
92.9	193	101905	102433	4.56	4.46
93	194	102433	102961	3.42	3.84
93.1	195	102961	103489	4.65	5.00
93.2	196	103489	104017	4.07	4.82
93.3	197	104017	104545	3.56	4.57
93.4	198	104545	105073	3.24	4.21
93.5	199	105073	105601	4.51	5.42
93.6	200	105601	106129	5.38	5.62
93.7	201	106129	106657	5.03	5.59
93.8	202	106657	107185	3.20	3.64
93.9	203	107185	107713	4.44	4.68
94	204	107713	108241	3.92	4.88
94.1	205	108241	108769	2.68	3.38
94.2	206	108769	109297	3.55	4.23
94.3	207	109297	109825	2.83	3.76
94.4	208	109825	110353	4.74	5.25

94.5	209	110353	110881	4.47	5.18
94.6	210	110881	111409	5.82	6.36
94.7	211	111409	111937	2.60	2.92
94.8	212	111937	112465	2.67	3.22
94.9	213	112465	112993	2.09	2.94
95	214	112993	113521	3.23	3.98
95.1	215	113521	114049	3.69	4.15
95.2	216	114049	114577	3.83	4.25
95.3	217	114577	115105	2.92	3.61
95.4	218	115105	115633	4.95	4.89
95.5	219	115633	116161	3.60	4.26
95.6	220	116161	116689	3.36	4.45
95.7	221	116689	117217	3.77	4.30
95.8	222	117217	117745	3.12	4.01
95.9	223	117745	118273	3.34	3.42
96	224	118273	118801	3.69	4.45
96.1	225	118801	119329	3.56	3.79
96.2	226	119329	119857	3.39	3.92
96.3	227	119857	120385	3.03	3.76
96.4	228	120385	120913	4.02	4.89
96.5	229	120913	121441	3.66	4.32
96.6	230	121441	121969	3.67	4.71
96.7	231	121969	122497	3.05	4.06
96.8	232	122497	123025	3.55	4.26
96.9	233	123025	123553	2.46	3.30
97	234	123553	124081	4.42	4.81
97.1	235	124081	124609	3.14	4.40
97.2	236	124609	125137	3.41	4.10
97.3	237	125137	125665	3.63	4.84
97.4	238	125665	126193	5.20	5.79
97.5	239	126193	126721	2.72	2.76
97.6	240	126721	127249	2.31	2.71
97.7	241	127249	127777	1.78	1.85
97.8	242	127777	128305	1.72	1.68
97.9	243	128305	128833	3.08	3.18
98	244	128833	129361	2.56	2.71
98.1	245	129361	129889	3.12	2.94
98.2	246	129889	130417	2.65	3.04
98.3	247	130417	130945	3.38	3.60
98.4	248	130945	131473	2.84	2.67
98.5	249	131473	132001	3.19	2.63
98.6	250	132001	132529	3.26	2.63
98.7	251	132529	133057	3.16	3.01

98.8	252	133057	133585	3.95	3.46
98.9	253	133585	134113	5.52	5.15
99	254	134113	134641	7.60	7.21
99.1	255	134641	135169	2.93	2.69
99.2	256	135169	135697	3.52	3.53
99.3	257	135697	136225	4.54	4.52
99.4	258	136225	136753	2.98	3.64
99.5	259	136753	137281	4.31	4.07
99.6	260	137281	137809	4.74	3.90
99.7	261	137809	138337	6.02	4.81
99.8	262	138337	138865	7.13	7.71
99.9	263	138865	139393	6.56	8.29
100	264	139393	139921	7.42	7.52
100.1	265	139921	140449	3.33	3.58
100.2	266	140449	140977	3.96	4.69
100.3	267	140977	141505	4.59	5.27
100.4	268	141505	142033	2.78	3.74
100.5	269	142033	142561	2.84	3.38
100.6	270	142561	143089	3.55	4.17
100.7	271	143089	143617	4.65	5.05
100.8	272	143617	144145	4.06	4.09
100.9	273	144145	144673	4.92	4.77
101	274	144673	145201	2.23	2.22
101.1	275	145201	145729	5.32	5.09
101.2	276	145729	146257	3.26	3.14
101.3	277	146257	146785	4.78	3.88
101.4	278	146785	147313	4.28	3.55
101.5	279	147313	147841	4.13	3.98
101.6	280	147841	148369	3.81	4.25
101.7	281	148369	148897	4.61	4.32
101.8	282	148897	149425	4.06	4.53
101.9	283	149425	149953	4.08	3.84
102	284	149953	150481	2.99	2.79
102.1	285	150481	151009	3.09	3.12
102.2	286	151009	151537	3.56	4.01
102.3	287	151537	152065	2.78	2.45
102.4	288	152065	152593	3.39	3.41
102.5	289	152593	153121	4.30	3.74
102.6	290	153121	153649	5.09	4.50
102.7	291	153649	154177	4.13	3.74
102.8	292	154177	154705	4.08	3.84
102.9	293	154705	155233	4.44	4.62
103	294	155233	155761	3.66	4.29

103.1	295	155761	156289	4.57	5.30
103.2	296	156289	156817	3.87	4.31
103.3	297	156817	157345	3.59	4.23
103.4	298	157345	157873	4.11	4.25
103.5	299	157873	158401	4.83	4.38
103.6	300	158401	158929	6.30	5.98
103.7	301	158929	159457	4.98	4.60
103.8	302	159457	159985	4.15	4.06
103.9	303	159985	160513	5.72	5.58
104	304	160513	161041	3.96	3.75
104.1	305	161041	161569	2.73	3.35
104.2	306	161569	162097	4.10	4.53
104.3	307	162097	162625	3.60	3.79
104.4	308	162625	163153	3.61	4.00
104.5	309	163153	163681	2.80	3.00
104.6	310	163681	164209	3.60	4.38
104.7	311	164209	164737	3.65	3.62
104.8	312	164737	165265	4.14	3.98
104.9	313	165265	165793	3.23	3.35
105	314	165793	166321	2.77	3.98
105.1	315	166321	166849	5.59	5.58
105.2	316	166849	167377	5.88	5.96
105.3	317	167377	167905	4.55	5.16
105.4	318	167905	168433	6.43	6.60
105.5	319	168433	168961	2.88	3.36
105.6	320	168961	169489	3.00	3.21
105.7	321	169489	170017	3.20	3.49
105.8	322	170017	170545	2.25	2.41
105.9	323	170545	171073	2.62	2.83
106	324	171073	171601	3.36	4.43
106.1	325	171601	172129	3.42	4.17
106.2	326	172129	172657	3.22	3.69
106.3	327	172657	173185	2.91	3.53
106.4	328	173185	173713	2.75	2.94
106.5	329	173713	174241	3.81	4.08
106.6	330	174241	174769	3.03	3.62
106.7	331	174769	175297	2.90	3.60
106.8	332	175297	175825	3.07	3.56
106.9	333	175825	176353	5.00	5.17
107	334	176353	176881	4.81	4.60
107.1	335	176881	177409	4.10	3.93
107.2	336	177409	177937	3.61	3.54
107.3	337	177937	178465	4.00	3.84

107.4	338	178465	178993	2.81	2.87
107.5	339	178993	179521	2.91	2.99
107.6	340	179521	180049	3.17	3.79
107.7	341	180049	180577	3.38	3.87
107.8	342	180577	181105	3.26	3.37
107.9	343	181105	181633	3.72	3.69
108	344	181633	182161	3.67	3.79
108.1	345	182161	182689	2.38	2.49
108.2	346	182689	183217	3.16	3.45
108.3	347	183217	183745	3.24	3.05
108.4	348	183745	184273	3.30	2.94
108.5	349	184273	184801	2.88	3.46
108.6	350	184801	185329	2.91	3.23
108.7	351	185329	185857	3.56	3.52
108.8	352	185857	186385	3.03	3.29
108.9	353	186385	186913	4.77	4.97
109	354	186913	187441	5.37	5.54
109.1	355	187441	187969	3.60	3.16
109.2	356	187969	188497	3.33	3.58
109.3	357	188497	189025	3.88	3.85
109.4	358	189025	189553	3.53	3.52
109.5	359	189553	190081	3.29	3.41
109.6	360	190081	190609	4.02	4.14
109.7	361	190609	191137	3.95	3.63
109.8	362	191137	191665	3.63	3.58
109.9	363	191665	192193	3.99	4.07
110	364	192193	192721	4.57	4.60
110.1	365	192721	193249	4.49	4.36
110.2	366	193249	193777	4.09	4.68
110.3	367	193777	194305	3.06	3.00
110.4	368	194305	194833	2.36	2.54
110.5	369	194833	195361	3.47	3.65
110.6	370	195361	195889	4.46	4.94
110.7	371	195889	196417	4.22	4.58
110.8	372	196417	196945	4.10	3.95
110.9	373	196945	197473	3.55	3.70
111	374	197473	198001	3.71	4.16
111.1	375	198001	198529	3.38	3.92
111.2	376	198529	199057	2.26	3.08
111.3	377	199057	199585	3.34	3.77
111.4	378	199585	200113	4.31	5.10
111.5	379	200113	200641	3.01	3.50
111.6	380	200641	201169	3.76	3.86

111.7	381	201169	201697	3.60	3.95
111.8	382	201697	202225	3.52	3.42
111.9	383	202225	202753	4.51	4.42
112	384	202753	203281	4.62	4.33
112.1	385	203281	203809	4.00	4.49
112.2	386	203809	204337	6.27	5.85
112.3	387	204337	204865	4.14	4.01
112.4	388	204865	205393	4.05	4.20
112.5	389	205393	205921	3.54	4.35
112.6	390	205921	206449	2.99	3.30
112.7	391	206449	206977	4.46	4.46
112.8	392	206977	207505	3.31	3.51
112.9	393	207505	208033	2.53	3.01
113	394	208033	208561	2.84	3.50
113.1	395	208561	209089	2.95	3.25
113.2	396	209089	209617	3.61	3.77
113.3	397	209617	210145	2.62	3.05
113.4	398	210145	210673	4.08	4.07
113.5	399	210673	211201	3.35	3.89
113.6	400	211201	211729	3.48	3.67
113.7	401	211729	212257	2.88	3.12
113.8	402	212257	212785	3.10	3.25
113.9	403	212785	213313	3.46	3.51
114	404	213313	213841	2.56	2.88
114.1	405	213841	214369	4.17	4.20
114.2	406	214369	214897	4.44	4.39
114.3	407	214897	215425	2.96	3.25
114.4	408	215425	215953	5.63	5.96
114.5	409	215953	216481	3.64	4.20
114.6	410	216481	217009	3.80	4.20
114.7	411	217009	217537	5.45	5.31
114.8	412	217537	218065	3.99	4.21
114.9	413	218065	218593	3.70	3.61
115	414	218593	219121	3.06	2.78
115.1	415	219121	219649	3.05	3.24
115.2	416	219649	220177	2.81	2.88
115.3	417	220177	220705	3.39	3.38
115.4	418	220705	221233	2.19	2.28
115.5	419	221233	221761	3.07	3.07
115.6	420	221761	222289	2.49	2.10
115.7	421	222289	222817	2.15	1.94
115.8	422	222817	223345	3.33	3.28
115.9	423	223345	223873	2.94	3.35

116	424	223873	224401	3.51	3.56
116.1	425	224401	224929	3.47	3.41
116.2	426	224929	225457	3.58	3.12
116.3	427	225457	225985	4.23	4.56
116.4	428	225985	226513	5.47	5.88
116.5	429	226513	227041	4.00	4.39
116.6	430	227041	227569	2.40	3.01
116.7	431	227569	228097	3.02	3.93
116.8	432	228097	228625	3.32	3.11
116.9	433	228625	229153	2.33	2.66
117	434	229153	229681	2.71	3.67
117.1	435	229681	230209	4.37	4.44
117.2	436	230209	230737	2.69	3.13
117.3	437	230737	231265	3.55	3.85
117.4	438	231265	231793	3.77	3.59
117.5	439	231793	232321	2.68	2.80
117.6	440	232321	232849	2.83	3.00
117.7	441	232849	233377	2.78	2.87
117.8	442	233377	233905	7.23	6.76
117.9	443	233905	234433	2.57	2.60
118	444	234433	234961	2.81	2.61
118.1	445	234961	235489	3.18	3.22
118.2	446	235489	236017	3.41	3.79
118.3	447	236017	236545	3.70	4.18
118.4	448	236545	237073	3.13	3.25
118.5	449	237073	237601	6.81	6.39
118.6	450	237601	238129	2.29	2.59
118.7	451	238129	238657	2.79	3.03
118.8	452	238657	239185	1.83	2.28
118.9	453	239185	239713	4.92	5.55
119	454	239713	240241	4.65	4.05
119.1	455	240241	240769	2.43	2.55
119.2	456	240769	241297	2.55	2.64
119.3	457	241297	241825	2.58	2.46
119.4	458	241825	242353	2.49	2.68
119.5	459	242353	242881	3.69	3.90
119.6	460	242881	243409	3.93	3.42
119.7	461	243409	243937	2.52	3.04
119.8	462	243937	244465	3.74	3.69
119.9	463	244465	244993	6.82	6.64
120	464	244993	245521	5.18	5.53
120.1	465	245521	246049	5.12	5.25
120.2	466	246049	246577	4.32	5.16

120.3	467	246577	247105	4.90	4.56
120.4	468	247105	247633	3.83	4.35
120.5	469	247633	248161	3.73	3.89
120.6	470	248161	248689	3.24	3.21
120.7	471	248689	249217	3.34	3.31
120.8	472	249217	249745	3.73	3.99
120.9	473	249745	250273	2.96	3.16
121	474	250273	250801	2.90	3.01
121.1	475	250801	251329	3.02	3.15
121.2	476	251329	251857	3.07	2.90
121.3	477	251857	252385	4.31	4.29
121.4	478	252385	252913	3.04	3.13
121.5	479	252913	253441	3.43	3.74
121.6	480	253441	253969	3.21	3.28
121.7	481	253969	254497	4.67	5.06
121.8	482	254497	255025	4.24	4.23
121.9	483	255025	255553	5.72	5.64
122	484	255553	256081	4.69	5.11
122.1	485	256081	256609	5.13	5.97
122.2	486	256609	257137	4.86	5.77
122.3	487	257137	257665	4.99	5.04
122.4	488	257665	258193	4.63	6.34
122.5	489	258193	258721	5.22	5.24
122.6	490	258721	259249	5.57	5.79
122.7	491	259249	259777	5.23	3.91
122.8	492	259777	260305	6.22	6.02
122.9	493	260305	260833	5.24	5.86
123	494	260833	261361	4.41	4.79
123.1	495	261361	261889	5.18	4.67
123.2	496	261889	262417	4.16	3.70
123.3	497	262417	262945	6.83	7.73
123.4	498	262945	263473	7.83	8.17
123.5	499	263473	264001	5.21	5.82
123.6	500	264001	264529	6.33	6.32
123.7	501	264529	265057	3.82	4.26
123.8	502	265057	265585	4.64	5.59
123.9	503	265585	266113	5.18	6.17
124	504	266113	266641	4.50	6.45
124.1	505	266641	267169	6.19	7.10
124.2	506	267169	267697	5.99	8.10
124.3	507	267697	268225	4.12	4.70
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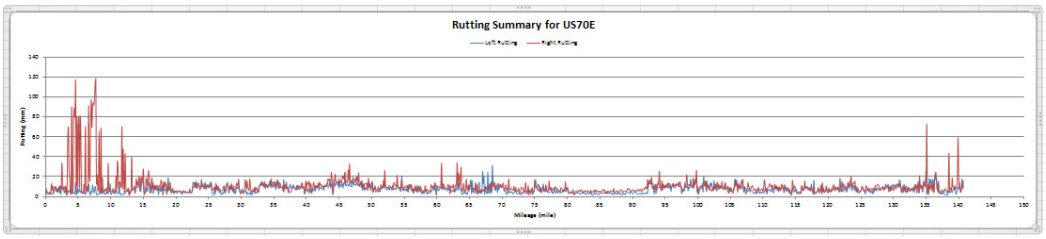
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124.9	513	270865	271393	4.70	4.65
125	514	271393	271921	4.68	3.98
125.1	515	271921	272449	6.24	5.66
125.2	516	272449	272977	4.42	4.32
125.3	517	272977	273505	2.83	2.53
125.4	518	273505	274033	2.94	2.85
125.5	519	274033	274561	2.35	2.74
125.6	520	274561	275089	2.30	2.84
125.7	521	275089	275617	3.21	3.34
125.8	522	275617	276145	3.27	3.43
125.9	523	276145	276673	2.27	2.45
126	524	276673	277201	3.01	3.04
126.1	525	277201	277729	2.02	2.42
126.2	526	277729	278257	2.69	2.96
126.3	527	278257	278785	2.32	2.63
126.4	528	278785	279313	2.82	2.74
126.5	529	279313	279841	3.27	2.67
126.6	530	279841	280369	2.95	2.97
126.7	531	280369	280897	2.15	2.55
126.8	532	280897	281425	3.20	3.01
126.9	533	281425	281953	3.56	3.12
127	534	281953	282481	2.83	2.69
127.1	535	282481	283009	2.87	2.53
127.2	536	283009	283537	3.52	3.34
127.3	537	283537	284065	3.07	2.98
127.4	538	284065	284593	3.23	3.10
127.5	539	284593	285121	3.55	3.42
127.6	540	285121	285649	3.57	3.55
127.7	541	285649	286177	3.06	3.03
127.8	542	286177	286705	3.42	3.35
127.9	543	286705	287233	2.96	3.02
128	544	287233	287761	3.11	3.59
128.1	545	287761	288289	2.25	2.47
128.2	546	288289	288817	3.69	3.73
128.3	547	288817	289345	2.34	2.40
128.4	548	289345	289873	3.44	3.52
128.5	549	289873	290401	1.96	2.27
128.6	550	290401	290929	3.43	3.66
128.7	551	290929	291457	2.67	2.81
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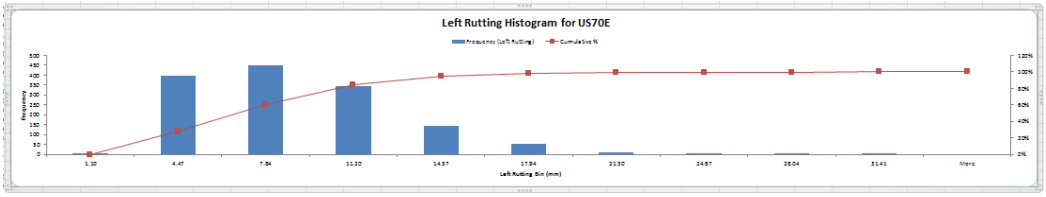
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129.1	555	293041	293569	2.55	2.24
129.2	556	293569	294097	3.55	3.28
129.3	557	294097	294625	1.75	1.82
129.4	558	294625	295153	3.47	3.88
129.5	559	295153	295681	2.81	2.65
129.6	560	295681	296209	2.42	2.41
129.7	561	296209	296737	3.32	3.56
129.8	562	296737	297265	2.64	2.72
129.9	563	297265	297793	2.36	2.36
130	564	297793	298321	2.30	2.55
130.1	565	298321	298849	2.28	2.41
130.2	566	298849	299377	2.08	2.27
130.3	567	299377	299905	1.70	1.81
130.4	568	299905	300433	2.08	2.19
130.5	569	300433	300961	2.59	2.70
130.6	570	300961	301489	2.31	2.40
130.7	571	301489	302017	4.35	4.31
130.8	572	302017	302545	2.26	2.31
130.9	573	302545	303073	2.60	2.26
131	574	303073	303601	2.67	2.20
131.1	575	303601	304129	4.12	3.90
131.2	576	304129	304657	10.94	10.82
131.3	577	304657	305185	4.75	4.32
131.4	578	305185	305713	3.72	3.42
131.5	579	305713	306241	3.30	4.04
131.6	580	306241	306769	2.56	2.21
131.7	581	306769	307297	2.83	3.09
131.8	582	307297	307825	4.13	4.37
131.9	583	307825	308353	2.75	2.83
132	584	308353	308881	3.70	4.11
132.1	585	308881	309409	3.29	3.15
132.2	586	309409	309937	3.60	3.73
132.3	587	309937	310465	3.78	4.08
132.4	588	310465	310993	3.92	3.97
132.5	589	310993	311521	3.01	3.46
132.6	590	311521	312049	2.96	3.74
132.7	591	312049	312577	4.64	4.51
132.8	592	312577	313105	3.72	3.61
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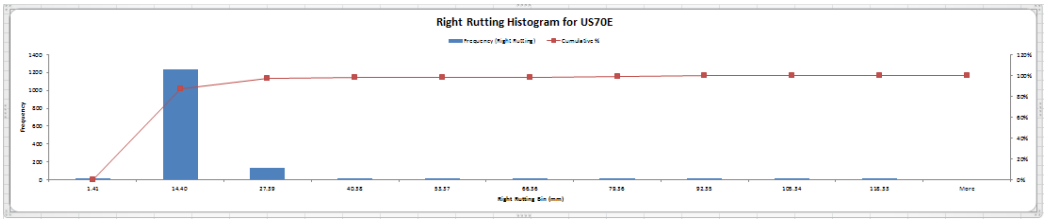
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133.3	597	315217	315745	4.46	4.15
133.4	598	315745	316273	3.07	3.20
133.5	599	316273	316801	3.40	3.39
133.6	600	316801	317329	2.48	3.37
133.7	601	317329	317857	3.54	3.88
133.8	602	317857	318385	4.63	4.98
133.9	603	318385	318913	3.54	4.59
134	604	318913	319441	3.31	3.55
134.1	605	319441	319969	2.98	3.23
134.2	606	319969	320497	3.82	3.74
134.3	607	320497	321025	2.50	2.67
134.4	608	321025	321553	3.02	2.91
134.5	609	321553	322081	7.08	6.95
134.6	610	322081	322609	3.45	3.50
134.7	611	322609	323137	2.37	2.21
134.8	612	323137	323665	4.10	4.03
134.9	613	323665	324193	3.07	2.80
135	614	324193	324721	3.96	3.63
135.1	615	324721	325249	3.14	3.43
135.2	616	325249	325777	4.18	3.51
135.3	617	325777	326305	3.80	4.14
135.4	618	326305	326833	3.90	4.43
135.5	619	326833	327361	2.91	2.96
135.6	620	327361	327889	2.74	2.86
135.7	621	327889	328417	3.86	3.24
135.8	622	328417	328945	3.16	3.00
135.9	623	328945	329473	2.34	2.56
136	624	329473	330001	2.75	2.84
136.1	625	330001	330529	4.91	4.66
136.2	626	330529	331057	5.44	5.68
136.3	627	331057	331585	3.55	3.11
136.4	628	331585	332113	2.78	3.29
136.5	629	332113	332641	3.79	3.86
136.6	630	332641	333169	3.92	4.45
136.7	631	333169	333697	3.69	4.50
136.8	632	333697	334225	4.45	4.96
136.9	633	334225	334753	3.31	3.58
137	634	334753	335281	1.91	2.33
137.1	635	335281	335809	1.91	2.74
137.2	636	335809	336337	5.70	6.10
137.3	637	336337	336865	3.95	4.63
137.4	638	336865	337393	3.32	3.57

137.5	639	337393	337921	3.39	3.34
137.6	640	337921	338449	3.56	3.49
137.7	641	338449	338977	5.81	5.94
137.8	642	338977	339505	2.44	2.39
137.9	643	339505	340033	3.55	3.50
138	644	340033	340561	2.04	2.13
138.1	645	340561	341089	2.80	3.43
138.2	646	341089	341617	1.75	2.03
138.3	647	341617	342145	4.28	4.30
138.4	648	342145	342673	2.58	2.95
138.5	649	342673	343201	2.77	3.17
138.6	650	343201	343729	2.01	2.38
138.7	651	343729	344257	2.17	2.45
138.8	652	344257	344785	1.94	1.91
138.9	653	344785	345313	2.45	2.62
139	654	345313	345841	2.21	1.85
139.1	655	345841	346369	1.92	1.82
139.2	656	346369	346897	1.96	1.93
139.3	657	346897	347425	2.37	2.24
139.4	658	347425	347953	2.51	2.21
139.5	659	347953	348481	1.79	1.71
139.6	660	348481	349009	1.97	1.82
139.7	661	349009	349537	1.71	1.79
139.8	662	349537	350065	2.90	3.03
139.9	663	350065	350593	8.53	7.71
140	664	350593	351121	4.98	6.19
140.1	665	351121	351649	5.85	6.81
140.2	666	351649	352177	3.58	3.62
140.3	667	352177	352705	6.27	6.57
140.4	668	352705	353233	5.07	5.54
140.5	669	353233	353761	4.60	4.89
140.6	670	353761	354289	3.32	3.54
140.7	671	354289	354817	3.08	3.10

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	4.54	1.97
0.1	1	529	1057	8.15	4.05
0.2	2	1057	1585	3.26	5.55
0.3	3	1585	2113	2.61	4.26
0.4	4	2113	2641	2.54	3.63
0.5	5	2641	3169	2.08	3.19
0.6	6	3169	3697	3.07	4.77
0.7	7	3697	4225	4.84	3.28
0.8	8	4225	4753	2.02	4.31
0.9	9	4753	5281	2.99	13.10
1	10	5281	5809	2.68	6.34
1.1	11	5809	6337	2.79	10.66
1.2	12	6337	6865	7.03	3.13
1.3	13	6865	7393	8.52	5.91
1.4	14	7393	7921	10.31	6.12
1.5	15	7921	8449	8.71	7.03
1.6	16	8449	8977	5.57	9.77
1.7	17	8977	9505	4.67	5.41
1.8	18	9505	10033	4.41	7.59
1.9	19	10033	10561	6.58	4.95
2	20	10561	11089	10.06	8.44
2.1	21	11089	11617	3.90	7.81
2.2	22	11617	12145	7.57	11.08
2.3	23	12145	12673	2.22	7.40
2.4	24	12673	13201	5.18	8.94
2.5	25	13201	13729	10.33	33.89
2.6	26	13729	14257	7.38	11.29
2.7	27	14257	14785	7.68	7.01
2.8	28	14785	15313	5.38	9.58
2.9	29	15313	15841	3.75	9.78
3	30	15841	16369	6.12	4.10
3.1	31	16369	16897	8.57	10.60
3.2	32	16897	17425	4.98	1.41
3.3	33	17425	17953	1.74	6.98
3.4	34	17953	18481	6.55	59.12
3.5	35	18481	19009	4.40	69.60
3.6	36	19009	19537	5.10	28.00
3.7	37	19537	20065	6.52	19.19
3.8	38	20065	20593	4.49	2.53
3.9	39	20593	21121	2.50	4.27
4	40	21121	21649	2.96	90.67
4.1	41	21649	22177	5.53	3.71

4.2	42	22177	22705	3.44	3.22
4.3	43	22705	23233	3.37	77.80
4.4	44	23233	23761	3.14	89.10
4.5	45	23761	24289	2.51	80.34
4.6	46	24289	24817	14.84	115.64
4.7	47	24817	25345	1.85	7.30
4.8	48	25345	25873	3.16	80.60
4.9	49	25873	26401	8.76	9.71
5	50	26401	26929	3.78	67.51
5.1	51	26929	27457	4.64	79.75
5.2	52	27457	27985	8.07	8.73
5.3	53	27985	28513	5.60	79.74
5.4	54	28513	29041	3.86	62.88
5.5	55	29041	29569	5.82	4.76
5.6	56	29569	30097	3.67	4.72
5.7	57	30097	30625	2.93	2.83
5.8	58	30625	31153	3.83	5.59
5.9	59	31153	31681	3.86	12.52
6	60	31681	32209	4.30	3.46
6.1	61	32209	32737	2.20	70.71
6.2	62	32737	33265	3.59	6.59
6.3	63	33265	33793	7.79	10.33
6.4	64	33793	34321	6.58	6.00
6.5	65	34321	34849	4.71	10.19
6.6	66	34849	35377	12.59	91.48
6.7	67	35377	35905	6.95	22.03
6.8	68	35905	36433	1.85	15.47
6.9	69	36433	36961	2.98	73.05
7	70	36961	37489	5.72	97.81
7.1	71	37489	38017	3.88	69.62
7.2	72	38017	38545	11.72	92.06
7.3	73	38545	39073	7.91	94.39
7.4	74	39073	39601	3.85	91.96
7.5	75	39601	40129	4.65	99.18
7.6	76	40129	40657	10.21	113.97
7.7	77	40657	41185	7.47	118.33
7.8	78	41185	41713	1.93	13.15
7.9	79	41713	42241	1.60	22.23
8	80	42241	42769	2.67	7.19
8.1	81	42769	43297	2.02	5.70
8.2	82	43297	43825	2.87	65.38
8.3	83	43825	44353	5.68	5.20
8.4	84	44353	44881	3.23	6.83

8.5	85	44881	45409	7.43	69.25
8.6	86	45409	45937	2.75	4.86
8.7	87	45937	46465	7.38	18.94
8.8	88	46465	46993	7.88	4.46
8.9	89	46993	47521	3.94	3.53
9	90	47521	48049	2.87	5.95
9.1	91	48049	48577	2.36	7.70
9.2	92	48577	49105	3.67	5.06
9.3	93	49105	49633	2.55	7.28
9.4	94	49633	50161	4.88	8.84
9.5	95	50161	50689	3.83	4.31
9.6	96	50689	51217	2.97	33.50
9.7	97	51217	51745	5.26	5.49
9.8	98	51745	52273	5.38	7.21
9.9	99	52273	52801	13.22	7.57
10	100	52801	53329	2.09	4.92
10.1	101	53329	53857	2.58	5.53
10.2	102	53857	54385	3.93	4.75
10.3	103	54385	54913	4.15	7.66
10.4	104	54913	55441	5.19	7.68
10.5	105	55441	55969	3.42	3.17
10.6	106	55969	56497	4.45	6.14
10.7	107	56497	57025	2.65	5.13
10.8	108	57025	57553	7.47	20.69
10.9	109	57553	58081	5.14	7.41
11	110	58081	58609	4.66	35.64
11.1	111	58609	59137	2.66	29.66
11.2	112	59137	59665	3.36	7.56
11.3	113	59665	60193	10.85	14.83
11.4	114	60193	60721	4.44	14.70
11.5	115	60721	61249	1.49	9.33
11.6	116	61249	61777	2.35	10.29
11.7	117	61777	62305	2.97	70.48
11.8	118	62305	62833	2.56	7.75
11.9	119	62833	63361	2.21	47.82
12	120	63361	63889	2.04	13.02
12.1	121	63889	64417	3.30	4.17
12.2	122	64417	64945	3.31	43.24
12.3	123	64945	65473	5.76	9.82
12.4	124	65473	66001	6.30	7.41
12.5	125	66001	66529	5.61	4.89
12.6	126	66529	67057	7.21	6.15
12.7	127	67057	67585	5.39	8.41

12.8	128	67585	68113	2.51	1.42
12.9	129	68113	68641	6.19	2.20
13	130	68641	69169	3.92	3.98
13.1	131	69169	69697	5.72	6.41
13.2	132	69697	70225	8.62	40.06
13.3	133	70225	70753	6.42	8.09
13.4	134	70753	71281	6.67	6.43
13.5	135	71281	71809	7.88	7.02
13.6	136	71809	72337	7.63	10.39
13.7	137	72337	72865	7.81	3.35
13.8	138	72865	73393	10.43	5.71
13.9	139	73393	73921	11.02	17.96
14	140	73921	74449	8.92	11.81
14.1	141	74449	74977	9.49	15.37
14.2	142	74977	75505	10.62	10.95
14.3	143	75505	76033	12.18	20.12
14.4	144	76033	76561	7.66	18.93
14.5	145	76561	77089	7.09	5.05
14.6	146	77089	77617	5.07	16.50
14.7	147	77617	78145	12.25	19.64
14.8	148	78145	78673	14.83	14.09
14.9	149	78673	79201	17.06	20.10
15	150	79201	79729	10.29	27.22
15.1	151	79729	80257	4.74	1.88
15.2	152	80257	80785	4.30	3.38
15.3	153	80785	81313	4.05	3.65
15.4	154	81313	81841	9.85	18.50
15.5	155	81841	82369	8.13	16.64
15.6	156	82369	82897	4.79	11.09
15.7	157	82897	83425	11.28	19.28
15.8	158	83425	83953	14.46	26.48
15.9	159	83953	84481	10.83	16.72
16	160	84481	85009	3.93	10.66
16.1	161	85009	85537	7.55	3.27
16.2	162	85537	86065	7.05	13.03
16.3	163	86065	86593	11.40	18.89
16.4	164	86593	87121	3.95	8.06
16.5	165	87121	87649	3.51	13.76
16.6	166	87649	88177	5.63	6.41
16.7	167	88177	88705	7.79	11.23
16.8	168	88705	89233	9.15	7.45
16.9	169	89233	89761	10.66	6.88
17	170	89761	90289	6.50	11.57

17.1	171	90289	90817	6.97	10.70
17.2	172	90817	91345	9.95	9.21
17.3	173	91345	91873	1.96	6.47
17.4	174	91873	92401	7.99	11.14
17.5	175	92401	92929	7.60	10.75
17.6	176	92929	93457	5.05	9.18
17.7	177	93457	93985	9.62	16.74
17.8	178	93985	94513	5.41	12.68
17.9	179	94513	95041	10.96	10.44
18	180	95041	95569	3.27	1.65
18.1	181	95569	96097	13.52	15.11
18.2	182	96097	96625	7.15	9.69
18.3	183	96625	97153	5.70	10.05
18.4	184	97153	97681	7.74	14.76
18.5	185	97681	98209	6.25	9.98
18.6	186	98209	98737	2.05	3.06
18.7	187	98737	99265	9.51	11.92
18.8	188	99265	99793	18.83	5.88
18.9	189	99793	100321	7.79	6.80
19	190	100321	100849	6.20	12.54
19.1	191	100849	101377	10.27	14.16
19.2	192	101377	101905	4.01	9.12
19.3	193	101905	102433	3.34	5.55
19.4	194	102433	102961	6.13	6.31
19.5	195	102961	103489	6.17	8.35
19.6	196	103489	104017	3.92	3.54
19.7	197	104017	104545	2.86	5.28
19.8	198	104545	105073	4.67	5.79
19.9	199	105073	105601	4.75	4.44
20	200	105601	106129	5.13	6.05
20.1	201	106129	106657	4.39	4.37
20.2	202	106657	107185	3.23	5.25
20.3	203	107185	107713	5.21	5.19
20.4	204	107713	108241	5.93	5.37
20.5	205	108241	108769	5.20	6.09
20.6	206	108769	109297	4.26	5.63
20.7	207	109297	109825	4.77	4.74
20.8	208	109825	110353	4.30	5.30
20.9	209	110353	110881	2.14	3.39
21	210	110881	111409	3.75	4.20
21.1	211	111409	111937	4.77	5.95
21.2	212	111937	112465	5.80	5.94
21.3	213	112465	112993	3.75	5.14

21.4	214	112993	113521	3.54	4.33
21.5	215	113521	114049	4.54	5.18
21.6	216	114049	114577	4.18	4.78
21.7	217	114577	115105	4.74	4.54
21.8	218	115105	115633	4.25	3.86
21.9	219	115633	116161	4.16	4.11
22	220	116161	116689	4.12	3.63
22.1	221	116689	117217	5.28	7.78
22.2	222	117217	117745	3.87	4.02
22.3	223	117745	118273	3.73	3.80
22.4	224	118273	118801	4.37	4.92
22.5	225	118801	119329	4.30	7.44
22.6	226	119329	119857	14.47	10.37
22.7	227	119857	120385	13.02	9.33
22.8	228	120385	120913	11.94	10.62
22.9	229	120913	121441	14.58	13.55
23	230	121441	121969	9.35	8.69
23.1	231	121969	122497	15.46	13.81
23.2	232	122497	123025	8.60	8.09
23.3	233	123025	123553	11.77	11.44
23.4	234	123553	124081	13.75	11.35
23.5	235	124081	124609	12.82	11.39
23.6	236	124609	125137	7.26	10.23
23.7	237	125137	125665	6.64	9.34
23.8	238	125665	126193	10.46	8.79
23.9	239	126193	126721	10.77	17.18
24	240	126721	127249	9.71	10.23
24.1	241	127249	127777	13.20	10.40
24.2	242	127777	128305	10.34	9.08
24.3	243	128305	128833	8.83	7.57
24.4	244	128833	129361	13.05	9.06
24.5	245	129361	129889	14.06	12.65
24.6	246	129889	130417	7.29	8.23
24.7	247	130417	130945	11.48	9.68
24.8	248	130945	131473	12.26	10.61
24.9	249	131473	132001	11.20	9.12
25	250	132001	132529	9.36	8.83
25.1	251	132529	133057	12.76	10.58
25.2	252	133057	133585	10.49	9.62
25.3	253	133585	134113	14.98	12.64
25.4	254	134113	134641	12.30	13.55
25.5	255	134641	135169	3.65	6.74
25.6	256	135169	135697	2.68	7.40

25.7	257	135697	136225	1.62	6.78
25.8	258	136225	136753	2.56	8.94
25.9	259	136753	137281	8.94	9.36
26	260	137281	137809	2.58	4.45
26.1	261	137809	138337	12.00	13.34
26.2	262	138337	138865	11.62	6.62
26.3	263	138865	139393	6.88	10.96
26.4	264	139393	139921	6.22	7.60
26.5	265	139921	140449	9.55	9.98
26.6	266	140449	140977	3.98	7.58
26.7	267	140977	141505	5.56	7.94
26.8	268	141505	142033	6.47	6.32
26.9	269	142033	142561	2.08	6.22
27	270	142561	143089	3.14	6.09
27.1	271	143089	143617	2.43	6.15
27.2	272	143617	144145	4.19	7.13
27.3	273	144145	144673	3.14	10.52
27.4	274	144673	145201	9.64	10.75
27.5	275	145201	145729	3.93	6.48
27.6	276	145729	146257	3.77	5.75
27.7	277	146257	146785	12.12	8.82
27.8	278	146785	147313	12.47	12.08
27.9	279	147313	147841	14.45	10.58
28	280	147841	148369	8.28	9.73
28.1	281	148369	148897	3.36	7.04
28.2	282	148897	149425	6.99	9.86
28.3	283	149425	149953	11.63	10.39
28.4	284	149953	150481	6.80	7.15
28.5	285	150481	151009	9.85	13.32
28.6	286	151009	151537	8.83	8.43
28.7	287	151537	152065	4.90	5.82
28.8	288	152065	152593	11.31	8.91
28.9	289	152593	153121	3.26	6.93
29	290	153121	153649	5.53	6.20
29.1	291	153649	154177	3.04	8.86
29.2	292	154177	154705	6.69	11.15
29.3	293	154705	155233	9.86	13.75
29.4	294	155233	155761	7.96	10.77
29.5	295	155761	156289	8.72	11.72
29.6	296	156289	156817	10.38	17.57
29.7	297	156817	157345	6.33	7.27
29.8	298	157345	157873	5.21	4.43
29.9	299	157873	158401	5.83	2.45

30	300	158401	158929	5.73	5.48
30.1	301	158929	159457	7.82	4.18
30.2	302	159457	159985	4.54	4.98
30.3	303	159985	160513	2.75	4.28
30.4	304	160513	161041	5.74	6.66
30.5	305	161041	161569	4.63	8.42
30.6	306	161569	162097	4.97	17.14
30.7	307	162097	162625	6.54	12.43
30.8	308	162625	163153	2.50	6.93
30.9	309	163153	163681	4.52	15.80
31	310	163681	164209	2.19	8.77
31.1	311	164209	164737	3.12	8.33
31.2	312	164737	165265	3.10	5.91
31.3	313	165265	165793	3.31	17.88
31.4	314	165793	166321	1.70	10.17
31.5	315	166321	166849	5.96	5.90
31.6	316	166849	167377	2.44	6.18
31.7	317	167377	167905	2.21	4.81
31.8	318	167905	168433	5.11	6.82
31.9	319	168433	168961	5.52	5.45
32	320	168961	169489	5.50	9.25
32.1	321	169489	170017	3.10	4.66
32.2	322	170017	170545	4.60	9.62
32.3	323	170545	171073	4.28	7.11
32.4	324	171073	171601	3.46	8.44
32.5	325	171601	172129	4.82	4.01
32.6	326	172129	172657	5.76	4.54
32.7	327	172657	173185	4.67	10.01
32.8	328	173185	173713	10.36	11.32
32.9	329	173713	174241	12.65	11.66
33	330	174241	174769	11.21	13.87
33.1	331	174769	175297	14.90	13.37
33.2	332	175297	175825	10.86	12.76
33.3	333	175825	176353	12.99	14.84
33.4	334	176353	176881	10.54	12.12
33.5	335	176881	177409	9.65	9.43
33.6	336	177409	177937	12.49	15.18
33.7	337	177937	178465	9.55	8.22
33.8	338	178465	178993	12.11	12.41
33.9	339	178993	179521	10.03	12.58
34	340	179521	180049	9.37	10.51
34.1	341	180049	180577	11.05	8.66
34.2	342	180577	181105	11.02	12.48

34.3	343	181105	181633	11.05	12.41
34.4	344	181633	182161	16.10	15.31
34.5	345	182161	182689	9.26	14.74
34.6	346	182689	183217	18.29	15.95
34.7	347	183217	183745	9.97	9.26
34.8	348	183745	184273	10.58	11.73
34.9	349	184273	184801	9.97	14.29
35	350	184801	185329	10.21	13.75
35.1	351	185329	185857	15.44	13.86
35.2	352	185857	186385	10.74	9.54
35.3	353	186385	186913	7.10	10.58
35.4	354	186913	187441	9.84	15.25
35.5	355	187441	187969	15.89	13.29
35.6	356	187969	188497	11.62	16.94
35.7	357	188497	189025	11.42	8.02
35.8	358	189025	189553	13.64	14.12
35.9	359	189553	190081	8.47	14.20
36	360	190081	190609	9.92	12.60
36.1	361	190609	191137	9.43	9.38
36.2	362	191137	191665	9.54	9.13
36.3	363	191665	192193	8.50	9.00
36.4	364	192193	192721	6.37	10.88
36.5	365	192721	193249	17.14	4.49
36.6	366	193249	193777	9.16	9.01
36.7	367	193777	194305	8.02	12.30
36.8	368	194305	194833	9.45	7.52
36.9	369	194833	195361	9.80	14.74
37	370	195361	195889	7.96	9.12
37.1	371	195889	196417	9.40	9.64
37.2	372	196417	196945	3.77	5.49
37.3	373	196945	197473	9.34	6.32
37.4	374	197473	198001	10.28	4.25
37.5	375	198001	198529	12.66	3.81
37.6	376	198529	199057	8.56	4.46
37.7	377	199057	199585	9.98	6.16
37.8	378	199585	200113	8.67	8.02
37.9	379	200113	200641	10.42	7.88
38	380	200641	201169	12.05	9.09
38.1	381	201169	201697	8.76	9.72
38.2	382	201697	202225	8.31	9.19
38.3	383	202225	202753	9.00	7.33
38.4	384	202753	203281	6.41	7.90
38.5	385	203281	203809	11.06	7.38

38.6	386	203809	204337	8.51	11.49
38.7	387	204337	204865	6.78	9.11
38.8	388	204865	205393	9.13	10.79
38.9	389	205393	205921	7.34	9.99
39	390	205921	206449	10.17	10.14
39.1	391	206449	206977	9.22	8.19
39.2	392	206977	207505	10.29	10.39
39.3	393	207505	208033	13.69	13.85
39.4	394	208033	208561	8.02	9.22
39.5	395	208561	209089	8.97	9.62
39.6	396	209089	209617	9.06	10.30
39.7	397	209617	210145	2.70	2.82
39.8	398	210145	210673	5.43	6.80
39.9	399	210673	211201	5.89	15.77
40	400	211201	211729	6.65	6.09
40.1	401	211729	212257	6.58	14.39
40.2	402	212257	212785	4.23	12.11
40.3	403	212785	213313	7.68	13.13
40.4	404	213313	213841	7.62	15.39
40.5	405	213841	214369	3.54	6.72
40.6	406	214369	214897	7.26	13.21
40.7	407	214897	215425	4.82	11.86
40.8	408	215425	215953	3.19	4.61
40.9	409	215953	216481	6.80	6.30
41	410	216481	217009	5.88	10.87
41.1	411	217009	217537	6.99	14.44
41.2	412	217537	218065	8.55	10.23
41.3	413	218065	218593	4.97	8.33
41.4	414	218593	219121	9.11	11.37
41.5	415	219121	219649	10.81	9.07
41.6	416	219649	220177	8.09	10.74
41.7	417	220177	220705	9.96	10.61
41.8	418	220705	221233	10.08	13.51
41.9	419	221233	221761	6.47	9.09
42	420	221761	222289	7.04	14.50
42.1	421	222289	222817	9.39	12.61
42.2	422	222817	223345	8.70	10.79
42.3	423	223345	223873	8.37	12.05
42.4	424	223873	224401	8.80	9.55
42.5	425	224401	224929	8.62	10.36
42.6	426	224929	225457	6.22	10.60
42.7	427	225457	225985	9.40	7.99
42.8	428	225985	226513	10.95	11.70

42.9	429	226513	227041	10.17	10.54
43	430	227041	227569	9.88	10.21
43.1	431	227569	228097	10.60	13.26
43.2	432	228097	228625	11.41	12.19
43.3	433	228625	229153	9.52	17.91
43.4	434	229153	229681	10.11	15.87
43.5	435	229681	230209	13.58	17.84
43.6	436	230209	230737	11.37	13.50
43.7	437	230737	231265	8.92	11.37
43.8	438	231265	231793	12.04	24.51
43.9	439	231793	232321	10.92	18.28
44	440	232321	232849	1.89	8.13
44.1	441	232849	233377	4.66	3.51
44.2	442	233377	233905	17.55	13.67
44.3	443	233905	234433	13.21	16.58
44.4	444	234433	234961	10.40	22.84
44.5	445	234961	235489	13.47	15.11
44.6	446	235489	236017	14.76	15.45
44.7	447	236017	236545	13.92	15.31
44.8	448	236545	237073	11.11	14.49
44.9	449	237073	237601	14.76	12.94
45	450	237601	238129	8.56	18.43
45.1	451	238129	238657	11.88	11.27
45.2	452	238657	239185	11.60	15.75
45.3	453	239185	239713	10.04	15.49
45.4	454	239713	240241	12.06	13.97
45.5	455	240241	240769	13.02	21.26
45.6	456	240769	241297	8.57	18.15
45.7	457	241297	241825	14.02	20.56
45.8	458	241825	242353	12.45	17.40
45.9	459	242353	242881	24.83	24.01
46	460	242881	243409	10.70	14.54
46.1	461	243409	243937	10.88	15.64
46.2	462	243937	244465	12.39	13.81
46.3	463	244465	244993	12.93	15.79
46.4	464	244993	245521	11.33	27.08
46.5	465	245521	246049	10.46	15.85
46.6	466	246049	246577	13.66	33.04
46.7	467	246577	247105	14.98	14.11
46.8	468	247105	247633	10.00	16.58
46.9	469	247633	248161	10.12	13.53
47	470	248161	248689	9.76	13.21
47.1	471	248689	249217	19.24	16.09

47.2	472	249217	249745	16.62	13.14
47.3	473	249745	250273	11.72	14.59
47.4	474	250273	250801	11.75	16.42
47.5	475	250801	251329	12.86	18.47
47.6	476	251329	251857	11.20	14.33
47.7	477	251857	252385	14.09	20.02
47.8	478	252385	252913	14.53	18.58
47.9	479	252913	253441	10.76	14.77
48	480	253441	253969	11.97	23.93
48.1	481	253969	254497	11.38	10.38
48.2	482	254497	255025	11.90	12.27
48.3	483	255025	255553	14.90	14.59
48.4	484	255553	256081	9.01	13.24
48.5	485	256081	256609	15.22	16.00
48.6	486	256609	257137	6.05	9.45
48.7	487	257137	257665	12.02	12.53
48.8	488	257665	258193	10.23	6.67
48.9	489	258193	258721	10.22	13.11
49	490	258721	259249	6.46	12.73
49.1	491	259249	259777	8.39	12.83
49.2	492	259777	260305	7.73	13.14
49.3	493	260305	260833	13.74	11.55
49.4	494	260833	261361	11.44	6.21
49.5	495	261361	261889	14.53	18.55
49.6	496	261889	262417	8.99	12.21
49.7	497	262417	262945	13.43	9.62
49.8	498	262945	263473	9.67	8.30
49.9	499	263473	264001	9.21	6.10
50	500	264001	264529	15.17	11.01
50.1	501	264529	265057	14.26	14.14
50.2	502	265057	265585	4.27	4.99
50.3	503	265585	266113	6.60	8.69
50.4	504	266113	266641	7.94	6.82
50.5	505	266641	267169	6.30	11.09
50.6	506	267169	267697	4.67	7.09
50.7	507	267697	268225	5.66	6.73
50.8	508	268225	268753	5.17	7.70
50.9	509	268753	269281	4.94	6.29
51	510	269281	269809	6.18	10.07
51.1	511	269809	270337	4.55	8.03
51.2	512	270337	270865	7.56	8.01
51.3	513	270865	271393	6.49	5.13
51.4	514	271393	271921	8.80	12.08

51.5	515	271921	272449	8.73	10.10
51.6	516	272449	272977	7.55	9.03
51.7	517	272977	273505	11.60	9.26
51.8	518	273505	274033	8.96	16.27
51.9	519	274033	274561	9.12	10.57
52	520	274561	275089	15.15	26.25
52.1	521	275089	275617	8.18	13.23
52.2	522	275617	276145	8.48	9.27
52.3	523	276145	276673	7.20	9.02
52.4	524	276673	277201	7.31	9.52
52.5	525	277201	277729	7.88	8.79
52.6	526	277729	278257	10.18	9.56
52.7	527	278257	278785	6.46	10.82
52.8	528	278785	279313	8.52	10.84
52.9	529	279313	279841	9.98	9.71
53	530	279841	280369	8.82	8.88
53.1	531	280369	280897	7.83	6.37
53.2	532	280897	281425	7.12	11.44
53.3	533	281425	281953	6.84	8.04
53.4	534	281953	282481	7.02	14.32
53.5	535	282481	283009	7.40	12.38
53.6	536	283009	283537	8.71	11.36
53.7	537	283537	284065	6.79	11.16
53.8	538	284065	284593	9.27	10.11
53.9	539	284593	285121	13.29	21.42
54	540	285121	285649	9.44	10.88
54.1	541	285649	286177	7.74	8.98
54.2	542	286177	286705	8.83	8.04
54.3	543	286705	287233	8.69	9.30
54.4	544	287233	287761	4.81	7.11
54.5	545	287761	288289	8.19	11.90
54.6	546	288289	288817	20.55	17.00
54.7	547	288817	289345	8.68	9.11
54.8	548	289345	289873	5.76	7.97
54.9	549	289873	290401	7.74	6.29
55	550	290401	290929	7.85	10.14
55.1	551	290929	291457	6.02	10.01
55.2	552	291457	291985	7.65	8.89
55.3	553	291985	292513	7.43	9.59
55.4	554	292513	293041	5.06	11.34
55.5	555	293041	293569	10.29	10.49
55.6	556	293569	294097	4.36	5.97
55.7	557	294097	294625	10.94	12.21

55.8	558	294625	295153	8.20	10.82
55.9	559	295153	295681	10.12	12.04
56	560	295681	296209	6.59	9.13
56.1	561	296209	296737	5.72	12.10
56.2	562	296737	297265	6.17	5.49
56.3	563	297265	297793	6.72	8.33
56.4	564	297793	298321	3.32	3.38
56.5	565	298321	298849	7.24	7.99
56.6	566	298849	299377	5.90	8.39
56.7	567	299377	299905	9.66	11.20
56.8	568	299905	300433	5.66	5.25
56.9	569	300433	300961	6.24	6.69
57	570	300961	301489	11.49	4.17
57.1	571	301489	302017	7.25	9.71
57.2	572	302017	302545	8.25	9.97
57.3	573	302545	303073	5.91	4.62
57.4	574	303073	303601	9.86	10.62
57.5	575	303601	304129	6.17	9.06
57.6	576	304129	304657	4.12	7.94
57.7	577	304657	305185	2.90	5.70
57.8	578	305185	305713	5.01	3.11
57.9	579	305713	306241	3.61	6.11
58	580	306241	306769	2.98	4.08
58.1	581	306769	307297	3.40	5.85
58.2	582	307297	307825	8.02	11.22
58.3	583	307825	308353	7.28	5.14
58.4	584	308353	308881	6.19	5.69
58.5	585	308881	309409	2.11	7.38
58.6	586	309409	309937	4.37	5.98
58.7	587	309937	310465	3.45	5.42
58.8	588	310465	310993	3.29	5.97
58.9	589	310993	311521	3.49	6.21
59	590	311521	312049	5.74	4.67
59.1	591	312049	312577	4.33	11.99
59.2	592	312577	313105	5.70	9.42
59.3	593	313105	313633	6.48	8.69
59.4	594	313633	314161	9.49	10.09
59.5	595	314161	314689	9.42	11.14
59.6	596	314689	315217	5.91	7.44
59.7	597	315217	315745	12.86	14.25
59.8	598	315745	316273	6.84	11.11
59.9	599	316273	316801	1.10	10.25
60	600	316801	317329	9.48	11.05

60.1	601	317329	317857	7.97	9.04
60.2	602	317857	318385	5.75	10.39
60.3	603	318385	318913	7.76	10.20
60.4	604	318913	319441	7.37	8.81
60.5	605	319441	319969	8.92	8.24
60.6	606	319969	320497	8.25	9.50
60.7	607	320497	321025	18.74	33.54
60.8	608	321025	321553	7.09	9.25
60.9	609	321553	322081	7.12	11.84
61	610	322081	322609	10.93	13.03
61.1	611	322609	323137	7.94	11.84
61.2	612	323137	323665	7.60	7.39
61.3	613	323665	324193	7.04	8.94
61.4	614	324193	324721	7.39	8.10
61.5	615	324721	325249	6.73	8.22
61.6	616	325249	325777	5.60	9.40
61.7	617	325777	326305	8.63	12.45
61.8	618	326305	326833	6.69	10.19
61.9	619	326833	327361	10.73	11.09
62	620	327361	327889	4.97	2.59
62.1	621	327889	328417	8.11	10.77
62.2	622	328417	328945	6.10	9.88
62.3	623	328945	329473	4.67	10.08
62.4	624	329473	330001	4.90	8.73
62.5	625	330001	330529	6.69	12.33
62.6	626	330529	331057	5.27	7.77
62.7	627	331057	331585	4.52	4.86
62.8	628	331585	332113	5.61	10.13
62.9	629	332113	332641	7.57	12.17
63	630	332641	333169	6.35	12.54
63.1	631	333169	333697	19.24	34.01
63.2	632	333697	334225	8.98	10.15
63.3	633	334225	334753	6.34	23.37
63.4	634	334753	335281	13.42	20.81
63.5	635	335281	335809	8.58	10.90
63.6	636	335809	336337	8.49	19.16
63.7	637	336337	336865	5.20	29.32
63.8	638	336865	337393	2.58	5.64
63.9	639	337393	337921	2.31	7.79
64	640	337921	338449	2.28	7.01
64.1	641	338449	338977	6.62	13.23
64.2	642	338977	339505	3.67	7.28
64.3	643	339505	340033	3.97	6.25

64.4	644	340033	340561	2.58	4.36
64.5	645	340561	341089	3.70	17.55
64.6	646	341089	341617	2.83	9.40
64.7	647	341617	342145	2.12	6.98
64.8	648	342145	342673	11.79	9.69
64.9	649	342673	343201	7.17	5.82
65	650	343201	343729	6.57	11.68
65.1	651	343729	344257	13.70	10.99
65.2	652	344257	344785	16.51	11.30
65.3	653	344785	345313	2.92	9.32
65.4	654	345313	345841	16.12	7.70
65.5	655	345841	346369	4.70	7.41
65.6	656	346369	346897	6.57	8.72
65.7	657	346897	347425	3.64	7.09
65.8	658	347425	347953	4.19	7.61
65.9	659	347953	348481	12.51	14.18
66	660	348481	349009	6.76	9.24
66.1	661	349009	349537	5.78	2.57
66.2	662	349537	350065	4.47	11.91
66.3	663	350065	350593	2.78	4.87
66.4	664	350593	351121	13.90	4.12
66.5	665	351121	351649	13.69	5.97
66.6	666	351649	352177	3.29	6.49
66.7	667	352177	352705	6.81	4.05
66.8	668	352705	353233	3.53	6.84
66.9	669	353233	353761	3.96	4.81
67	670	353761	354289	25.50	6.11
67.1	671	354289	354817	13.15	7.27
67.2	672	354817	355345	21.11	5.36
67.3	673	355345	355873	2.46	5.78
67.4	674	355873	356401	8.49	10.66
67.5	675	356401	356929	5.89	7.00
67.6	676	356929	357457	4.10	9.12
67.7	677	357457	357985	2.87	8.69
67.8	678	357985	358513	24.73	6.58
67.9	679	358513	359041	3.38	9.46
68	680	359041	359569	4.99	8.19
68.1	681	359569	360097	13.13	12.64
68.2	682	360097	360625	3.43	10.15
68.3	683	360625	361153	15.06	6.03
68.4	684	361153	361681	4.22	5.93
68.5	685	361681	362209	31.41	13.05
68.6	686	362209	362737	15.15	13.95

68.7	687	362737	363265	11.95	9.25
68.8	688	363265	363793	9.50	14.63
68.9	689	363793	364321	7.43	11.60
69	690	364321	364849	6.08	6.85
69.1	691	364849	365377	11.08	11.25
69.2	692	365377	365905	8.78	11.73
69.3	693	365905	366433	4.06	11.08
69.4	694	366433	366961	10.93	13.47
69.5	695	366961	367489	6.94	10.20
69.6	696	367489	368017	10.81	10.78
69.7	697	368017	368545	8.98	12.40
69.8	698	368545	369073	12.30	11.05
69.9	699	369073	369601	8.96	9.94
70	700	369601	370129	9.62	9.74
70.1	701	370129	370657	9.86	13.24
70.2	702	370657	371185	9.52	13.34
70.3	703	371185	371713	7.06	5.37
70.4	704	371713	372241	5.57	7.70
70.5	705	372241	372769	4.59	8.02
70.6	706	372769	373297	3.66	11.78
70.7	707	373297	373825	1.93	5.40
70.8	708	373825	374353	4.31	8.29
70.9	709	374353	374881	3.48	7.65
71	710	374881	375409	9.18	17.73
71.1	711	375409	375937	4.25	9.99
71.2	712	375937	376465	3.66	9.50
71.3	713	376465	376993	4.96	6.78
71.4	714	376993	377521	4.36	8.03
71.5	715	377521	378049	4.88	7.01
71.6	716	378049	378577	2.78	7.01
71.7	717	378577	379105	3.26	6.25
71.8	718	379105	379633	4.31	10.45
71.9	719	379633	380161	4.23	5.65
72	720	380161	380689	4.90	7.47
72.1	721	380689	381217	9.60	5.32
72.2	722	381217	381745	3.57	4.91
72.3	723	381745	382273	2.58	5.55
72.4	724	382273	382801	3.03	5.28
72.5	725	382801	383329	3.43	8.76
72.6	726	383329	383857	2.73	5.64
72.7	727	383857	384385	3.02	3.15
72.8	728	384385	384913	2.50	4.49
72.9	729	384913	385441	1.73	9.24

73	730	385441	385969	3.65	9.04
73.1	731	385969	386497	3.62	8.51
73.2	732	386497	387025	2.98	8.62
73.3	733	387025	387553	4.47	3.43
73.4	734	387553	388081	3.78	6.42
73.5	735	388081	388609	6.08	8.88
73.6	0	1	529	5.40	14.29
73.7	1	529	1057	5.02	4.31
73.8	2	1057	1585	3.97	2.25
73.9	3	1585	2113	6.35	6.17
74	4	2113	2641	4.23	11.15
74.1	5	2641	3169	6.13	1.66
74.2	6	3169	3697	6.98	5.80
74.3	7	3697	4225	5.65	5.62
74.4	8	4225	4753	2.63	4.37
74.5	9	4753	5281	7.52	6.40
74.6	10	5281	5809	5.50	9.16
74.7	11	5809	6337	1.89	4.53
74.8	12	6337	6865	4.17	4.69
74.9	13	6865	7393	4.97	7.19
75	14	7393	7921	11.05	16.80
75.1	15	7921	8449	16.95	10.05
75.2	16	8449	8977	13.87	8.38
75.3	17	8977	9505	8.44	8.93
75.4	18	9505	10033	9.40	6.55
75.5	19	10033	10561	12.29	6.89
75.6	20	10561	11089	12.25	6.05
75.7	21	11089	11617	6.66	5.47
75.8	22	11617	12145	5.35	10.22
75.9	23	12145	12673	8.44	4.23
76	24	12673	13201	4.05	5.45
76.1	25	13201	13729	5.27	7.19
76.2	26	13729	14257	6.01	10.21
76.3	27	14257	14785	12.75	10.49
76.4	28	14785	15313	4.80	8.28
76.5	29	15313	15841	6.47	6.79
76.6	30	15841	16369	4.90	6.44
76.7	31	16369	16897	8.12	11.89
76.8	32	16897	17425	5.39	8.26
76.9	33	17425	17953	6.16	5.20
77	34	17953	18481	3.97	5.31
77.1	35	18481	19009	4.25	7.03
77.2	36	19009	19537	4.64	15.90

77.3	37	19537	20065	4.13	6.58
77.4	38	20065	20593	4.47	9.06
77.5	39	20593	21121	5.29	6.79
77.6	40	21121	21649	7.18	9.01
77.7	41	21649	22177	2.94	6.46
77.8	42	22177	22705	4.44	7.45
77.9	43	22705	23233	3.91	6.91
78	44	23233	23761	7.09	8.75
78.1	45	23761	24289	7.62	10.02
78.2	46	24289	24817	3.67	8.03
78.3	47	24817	25345	4.97	9.02
78.4	48	25345	25873	6.15	6.90
78.5	49	25873	26401	3.46	7.69
78.6	50	26401	26929	5.44	6.62
78.7	51	26929	27457	5.67	6.37
78.8	52	27457	27985	4.00	6.09
78.9	53	27985	28513	3.44	5.00
79	54	28513	29041	4.82	8.93
79.1	55	29041	29569	4.04	8.06
79.2	56	29569	30097	4.34	6.67
79.3	57	30097	30625	6.76	6.55
79.4	58	30625	31153	4.97	4.77
79.5	59	31153	31681	7.94	5.36
79.6	60	31681	32209	5.71	6.30
79.7	61	32209	32737	5.20	14.86
79.8	62	32737	33265	5.28	6.99
79.9	63	33265	33793	7.62	7.62
80	64	33793	34321	6.98	9.56
80.1	65	34321	34849	3.82	7.13
80.2	66	34849	35377	2.90	5.74
80.3	67	35377	35905	3.48	3.96
80.4	68	35905	36433	3.45	3.74
80.5	69	36433	36961	3.75	3.73
80.6	70	36961	37489	3.45	5.05
80.7	71	37489	38017	4.01	3.94
80.8	72	38017	38545	3.51	5.84
80.9	73	38545	39073	4.01	6.72
81	74	39073	39601	1.84	2.46
81.1	75	39601	40129	3.06	2.18
81.2	76	40129	40657	2.96	4.61
81.3	77	40657	41185	3.16	5.66
81.4	78	41185	41713	4.07	5.15
81.5	79	41713	42241	3.92	5.28

81.6	80	42241	42769	3.57	4.08
81.7	81	42769	43297	3.03	6.16
81.8	82	43297	43825	3.01	5.68
81.9	83	43825	44353	3.38	6.39
82	84	44353	44881	2.37	4.94
82.1	85	44881	45409	3.06	7.05
82.2	86	45409	45937	3.79	6.34
82.3	87	45937	46465	3.12	4.83
82.4	88	46465	46993	4.34	3.22
82.5	89	46993	47521	5.21	4.98
82.6	90	47521	48049	3.67	6.01
82.7	91	48049	48577	3.82	5.24
82.8	92	48577	49105	1.95	5.67
82.9	93	49105	49633	3.01	5.67
83	94	49633	50161	3.42	5.81
83.1	95	50161	50689	3.48	4.23
83.2	96	50689	51217	3.26	5.92
83.3	97	51217	51745	2.50	5.32
83.4	98	51745	52273	3.89	4.79
83.5	99	52273	52801	2.92	3.96
83.6	100	52801	53329	3.65	6.58
83.7	101	53329	53857	2.80	4.21
83.8	102	53857	54385	1.38	3.76
83.9	103	54385	54913	1.46	5.17
84	104	54913	55441	2.71	5.35
84.1	105	55441	55969	2.40	6.40
84.2	106	55969	56497	3.57	4.05
84.3	107	56497	57025	2.34	6.90
84.4	108	57025	57553	3.16	5.30
84.5	109	57553	58081	3.03	4.79
84.6	110	58081	58609	3.36	6.02
84.7	111	58609	59137	2.25	5.24
84.8	112	59137	59665	1.79	4.21
84.9	113	59665	60193	2.81	5.48
85	114	60193	60721	3.07	4.59
85.1	115	60721	61249	2.74	5.62
85.2	116	61249	61777	3.77	4.62
85.3	117	61777	62305	3.80	4.98
85.4	118	62305	62833	3.20	6.25
85.5	119	62833	63361	3.27	7.41
85.6	120	63361	63889	3.57	5.67
85.7	121	63889	64417	3.11	6.76
85.8	122	64417	64945	3.54	3.37

85.9	123	64945	65473	4.08	4.29
86	124	65473	66001	3.17	5.15
86.1	125	66001	66529	4.42	2.77
86.2	126	66529	67057	4.90	5.77
86.3	127	67057	67585	3.80	5.01
86.4	128	67585	68113	2.92	4.83
86.5	129	68113	68641	4.26	4.18
86.6	130	68641	69169	3.32	6.06
86.7	131	69169	69697	3.29	5.69
86.8	132	69697	70225	2.35	5.77
86.9	133	70225	70753	3.50	5.06
87	134	70753	71281	2.19	4.69
87.1	135	71281	71809	2.21	8.26
87.2	136	71809	72337	3.58	4.34
87.3	137	72337	72865	3.38	4.13
87.4	138	72865	73393	2.42	4.55
87.5	139	73393	73921	3.18	5.33
87.6	140	73921	74449	2.31	5.93
87.7	141	74449	74977	3.23	3.96
87.8	142	74977	75505	4.63	5.21
87.9	143	75505	76033	2.54	5.34
88	144	76033	76561	4.01	5.83
88.1	145	76561	77089	3.24	5.98
88.2	146	77089	77617	1.90	7.08
88.3	147	77617	78145	2.19	6.74
88.4	148	78145	78673	2.44	4.83
88.5	149	78673	79201	1.74	4.08
88.6	150	79201	79729	3.64	5.53
88.7	151	79729	80257	3.25	5.96
88.8	152	80257	80785	2.35	5.50
88.9	153	80785	81313	1.86	5.84
89	154	81313	81841	4.30	5.22
89.1	155	81841	82369	4.69	5.88
89.2	156	82369	82897	4.95	7.43
89.3	157	82897	83425	4.15	8.28
89.4	158	83425	83953	3.98	6.92
89.5	159	83953	84481	3.32	7.82
89.6	160	84481	85009	3.37	5.94
89.7	161	85009	85537	6.09	4.65
89.8	162	85537	86065	4.37	5.52
89.9	163	86065	86593	3.42	6.41
90	164	86593	87121	3.23	6.96
90.1	165	87121	87649	2.66	5.70

90.2	166	87649	88177	3.57	5.34
90.3	167	88177	88705	4.48	6.22
90.4	168	88705	89233	4.49	6.55
90.5	169	89233	89761	4.55	5.22
90.6	170	89761	90289	2.99	5.62
90.7	171	90289	90817	2.80	6.26
90.8	172	90817	91345	2.47	7.19
90.9	173	91345	91873	2.34	5.54
91	174	91873	92401	2.67	5.75
91.1	175	92401	92929	3.44	7.18
91.2	176	92929	93457	2.73	7.43
91.3	177	93457	93985	3.27	5.49
91.4	178	93985	94513	2.30	4.81
91.5	179	94513	95041	3.58	6.96
91.6	180	95041	95569	3.26	7.65
91.7	181	95569	96097	2.54	6.77
91.8	182	96097	96625	3.40	8.39
91.9	183	96625	97153	3.35	8.16
92	184	97153	97681	2.74	9.94
92.1	185	97681	98209	4.12	7.81
92.2	186	98209	98737	4.03	8.47
92.3	187	98737	99265	2.92	17.57
92.4	188	99265	99793	12.67	9.57
92.5	189	99793	100321	14.56	15.18
92.6	190	100321	100849	16.37	12.41
92.7	191	100849	101377	14.81	16.32
92.8	192	101377	101905	12.45	15.64
92.9	193	101905	102433	17.04	19.51
93	194	102433	102961	7.96	12.45
93.1	195	102961	103489	10.36	13.25
93.2	196	103489	104017	10.30	10.83
93.3	197	104017	104545	2.50	5.64
93.4	198	104545	105073	10.30	9.81
93.5	199	105073	105601	8.50	12.47
93.6	200	105601	106129	3.21	9.24
93.7	201	106129	106657	12.05	5.89
93.8	202	106657	107185	9.63	10.16
93.9	203	107185	107713	8.66	14.75
94	204	107713	108241	9.08	12.11
94.1	205	108241	108769	9.33	25.65
94.2	206	108769	109297	12.26	13.65
94.3	207	109297	109825	6.99	8.70
94.4	208	109825	110353	5.86	9.66

94.5	209	110353	110881	9.83	15.90
94.6	210	110881	111409	7.97	6.24
94.7	211	111409	111937	9.67	12.78
94.8	212	111937	112465	11.16	10.32
94.9	213	112465	112993	10.13	8.32
95	214	112993	113521	8.77	11.30
95.1	215	113521	114049	9.59	9.38
95.2	216	114049	114577	11.53	12.19
95.3	217	114577	115105	9.01	9.67
95.4	218	115105	115633	9.37	13.79
95.5	219	115633	116161	11.11	11.50
95.6	220	116161	116689	8.16	13.47
95.7	221	116689	117217	11.37	12.55
95.8	222	117217	117745	9.74	12.13
95.9	223	117745	118273	5.23	9.10
96	224	118273	118801	9.96	9.08
96.1	225	118801	119329	10.63	11.98
96.2	226	119329	119857	13.54	10.45
96.3	227	119857	120385	9.44	13.12
96.4	228	120385	120913	9.52	10.56
96.5	229	120913	121441	8.59	10.97
96.6	230	121441	121969	9.79	12.33
96.7	231	121969	122497	12.75	11.82
96.8	232	122497	123025	12.48	10.68
96.9	233	123025	123553	12.73	12.58
97	234	123553	124081	13.79	12.73
97.1	235	124081	124609	13.74	9.66
97.2	236	124609	125137	10.37	14.89
97.3	237	125137	125665	9.94	14.03
97.4	238	125665	126193	10.43	11.43
97.5	239	126193	126721	3.13	9.81
97.6	240	126721	127249	4.71	6.57
97.7	241	127249	127777	7.10	4.81
97.8	242	127777	128305	7.68	6.55
97.9	243	128305	128833	5.57	7.57
98	244	128833	129361	13.85	10.90
98.1	245	129361	129889	10.12	8.88
98.2	246	129889	130417	9.91	14.46
98.3	247	130417	130945	9.05	21.99
98.4	248	130945	131473	13.27	13.68
98.5	249	131473	132001	5.81	12.10
98.6	250	132001	132529	9.69	11.35
98.7	251	132529	133057	8.25	12.26

98.8	252	133057	133585	11.26	11.15
98.9	253	133585	134113	17.70	13.05
99	254	134113	134641	12.39	9.39
99.1	255	134641	135169	11.75	9.57
99.2	256	135169	135697	10.65	9.51
99.3	257	135697	136225	8.29	18.94
99.4	258	136225	136753	11.77	8.99
99.5	259	136753	137281	17.04	14.20
99.6	260	137281	137809	13.75	12.02
99.7	261	137809	138337	18.54	17.49
99.8	262	138337	138865	15.88	26.37
99.9	263	138865	139393	4.19	5.84
100	264	139393	139921	10.60	5.45
100.1	265	139921	140449	2.32	2.79
100.2	266	140449	140977	5.29	7.83
100.3	267	140977	141505	8.32	7.00
100.4	268	141505	142033	8.35	10.64
100.5	269	142033	142561	9.56	9.62
100.6	270	142561	143089	11.55	8.77
100.7	271	143089	143617	8.18	11.41
100.8	272	143617	144145	5.03	13.75
100.9	273	144145	144673	20.53	15.20
101	274	144673	145201	11.58	11.98
101.1	275	145201	145729	11.08	10.64
101.2	276	145729	146257	15.16	15.90
101.3	277	146257	146785	6.03	5.04
101.4	278	146785	147313	15.83	11.69
101.5	279	147313	147841	9.41	11.15
101.6	280	147841	148369	11.59	9.83
101.7	281	148369	148897	6.49	8.73
101.8	282	148897	149425	10.48	10.17
101.9	283	149425	149953	13.26	7.45
102	284	149953	150481	10.74	6.00
102.1	285	150481	151009	14.13	6.41
102.2	286	151009	151537	8.82	5.45
102.3	287	151537	152065	8.03	9.59
102.4	288	152065	152593	6.36	6.19
102.5	289	152593	153121	16.24	12.74
102.6	290	153121	153649	8.32	7.99
102.7	291	153649	154177	7.26	12.33
102.8	292	154177	154705	12.74	8.49
102.9	293	154705	155233	5.29	8.59
103	294	155233	155761	11.38	14.66

103.1	295	155761	156289	12.92	10.02
103.2	296	156289	156817	6.75	12.13
103.3	297	156817	157345	11.18	8.88
103.4	298	157345	157873	9.10	7.87
103.5	299	157873	158401	11.07	10.70
103.6	300	158401	158929	8.90	8.66
103.7	301	158929	159457	9.73	15.35
103.8	302	159457	159985	9.63	7.65
103.9	303	159985	160513	8.28	8.11
104	304	160513	161041	6.78	8.32
104.1	305	161041	161569	7.36	12.04
104.2	306	161569	162097	13.40	14.06
104.3	307	162097	162625	7.30	8.42
104.4	308	162625	163153	7.43	8.69
104.5	309	163153	163681	5.92	8.37
104.6	310	163681	164209	5.29	10.61
104.7	311	164209	164737	4.03	6.14
104.8	312	164737	165265	8.92	3.26
104.9	313	165265	165793	6.92	9.05
105	314	165793	166321	5.13	6.74
105.1	315	166321	166849	7.86	8.93
105.2	316	166849	167377	4.93	5.05
105.3	317	167377	167905	5.52	5.66
105.4	318	167905	168433	4.50	3.44
105.5	319	168433	168961	5.73	8.94
105.6	320	168961	169489	8.99	9.14
105.7	321	169489	170017	17.90	16.66
105.8	322	170017	170545	12.76	9.98
105.9	323	170545	171073	15.14	13.81
106	324	171073	171601	16.64	12.50
106.1	325	171601	172129	6.64	4.39
106.2	326	172129	172657	11.48	11.20
106.3	327	172657	173185	8.52	13.20
106.4	328	173185	173713	11.00	10.73
106.5	329	173713	174241	10.59	7.94
106.6	330	174241	174769	7.66	12.58
106.7	331	174769	175297	10.00	16.13
106.8	332	175297	175825	11.56	12.99
106.9	333	175825	176353	12.17	17.39
107	334	176353	176881	6.17	7.78
107.1	335	176881	177409	4.63	7.98
107.2	336	177409	177937	10.14	9.50
107.3	337	177937	178465	3.44	8.49

107.4	338	178465	178993	2.47	7.77
107.5	339	178993	179521	5.21	5.53
107.6	340	179521	180049	5.01	8.31
107.7	341	180049	180577	6.33	14.13
107.8	342	180577	181105	5.85	9.94
107.9	343	181105	181633	9.27	9.63
108	344	181633	182161	4.64	7.75
108.1	345	182161	182689	5.86	7.33
108.2	346	182689	183217	6.48	9.38
108.3	347	183217	183745	5.95	10.80
108.4	348	183745	184273	5.16	10.89
108.5	349	184273	184801	3.26	8.01
108.6	350	184801	185329	3.12	6.53
108.7	351	185329	185857	3.44	6.36
108.8	352	185857	186385	4.47	7.81
108.9	353	186385	186913	3.34	5.46
109	354	186913	187441	6.77	2.70
109.1	355	187441	187969	6.59	4.70
109.2	356	187969	188497	6.09	7.82
109.3	357	188497	189025	8.19	9.26
109.4	358	189025	189553	3.42	7.02
109.5	359	189553	190081	4.18	6.25
109.6	360	190081	190609	4.95	6.26
109.7	361	190609	191137	3.55	6.65
109.8	362	191137	191665	4.64	8.02
109.9	363	191665	192193	3.49	7.80
110	364	192193	192721	4.37	4.99
110.1	365	192721	193249	3.51	8.47
110.2	366	193249	193777	4.14	16.76
110.3	367	193777	194305	7.07	13.01
110.4	368	194305	194833	7.11	5.49
110.5	369	194833	195361	8.36	7.18
110.6	370	195361	195889	2.36	4.24
110.7	371	195889	196417	6.41	8.55
110.8	372	196417	196945	5.89	9.91
110.9	373	196945	197473	7.22	11.13
111	374	197473	198001	7.41	13.04
111.1	375	198001	198529	6.28	12.56
111.2	376	198529	199057	4.64	9.45
111.3	377	199057	199585	6.43	10.27
111.4	378	199585	200113	11.74	11.68
111.5	379	200113	200641	4.79	7.55
111.6	380	200641	201169	3.73	7.03

111.7	381	201169	201697	4.05	7.54
111.8	382	201697	202225	12.33	11.96
111.9	383	202225	202753	8.29	10.14
112	384	202753	203281	7.72	7.78
112.1	385	203281	203809	10.02	10.82
112.2	386	203809	204337	6.05	7.22
112.3	387	204337	204865	7.52	9.68
112.4	388	204865	205393	6.00	4.78
112.5	389	205393	205921	8.60	9.85
112.6	390	205921	206449	7.46	7.38
112.7	391	206449	206977	5.88	7.10
112.8	392	206977	207505	7.45	11.01
112.9	393	207505	208033	9.16	12.58
113	394	208033	208561	11.03	9.56
113.1	395	208561	209089	7.84	7.76
113.2	396	209089	209617	3.77	6.58
113.3	397	209617	210145	7.78	11.93
113.4	398	210145	210673	9.96	10.37
113.5	399	210673	211201	5.75	9.54
113.6	400	211201	211729	5.11	5.96
113.7	401	211729	212257	5.16	8.16
113.8	402	212257	212785	7.95	9.39
113.9	403	212785	213313	6.30	7.64
114	404	213313	213841	6.23	3.66
114.1	405	213841	214369	3.10	7.28
114.2	406	214369	214897	3.73	4.90
114.3	407	214897	215425	1.27	3.66
114.4	408	215425	215953	2.46	3.58
114.5	409	215953	216481	7.76	16.25
114.6	410	216481	217009	8.92	11.68
114.7	411	217009	217537	4.63	7.88
114.8	412	217537	218065	6.11	10.82
114.9	413	218065	218593	4.94	9.63
115	414	218593	219121	8.14	6.03
115.1	415	219121	219649	7.07	5.69
115.2	416	219649	220177	3.54	3.04
115.3	417	220177	220705	4.84	3.38
115.4	418	220705	221233	4.55	3.17
115.5	419	221233	221761	4.56	2.96
115.6	420	221761	222289	4.85	2.91
115.7	421	222289	222817	4.71	4.63
115.8	422	222817	223345	3.33	3.17
115.9	423	223345	223873	9.56	10.99

116	424	223873	224401	10.46	6.41
116.1	425	224401	224929	5.85	6.90
116.2	426	224929	225457	7.94	6.09
116.3	427	225457	225985	10.46	7.47
116.4	428	225985	226513	10.69	15.74
116.5	429	226513	227041	9.34	8.98
116.6	430	227041	227569	9.04	7.49
116.7	431	227569	228097	10.18	10.30
116.8	432	228097	228625	9.26	9.31
116.9	433	228625	229153	7.10	7.06
117	434	229153	229681	9.08	6.74
117.1	435	229681	230209	6.63	8.79
117.2	436	230209	230737	7.30	7.35
117.3	437	230737	231265	5.36	6.49
117.4	438	231265	231793	12.66	10.21
117.5	439	231793	232321	6.86	6.98
117.6	440	232321	232849	5.18	5.38
117.7	441	232849	233377	2.53	4.50
117.8	442	233377	233905	16.54	9.90
117.9	443	233905	234433	3.82	2.72
118	444	234433	234961	2.86	3.05
118.1	445	234961	235489	3.62	4.62
118.2	446	235489	236017	3.79	4.44
118.3	447	236017	236545	5.00	5.27
118.4	448	236545	237073	7.58	6.32
118.5	449	237073	237601	6.75	9.41
118.6	450	237601	238129	4.25	3.71
118.7	451	238129	238657	6.13	5.13
118.8	452	238657	239185	6.30	5.67
118.9	453	239185	239713	12.09	11.02
119	454	239713	240241	6.73	2.48
119.1	455	240241	240769	8.09	13.94
119.2	456	240769	241297	4.23	5.18
119.3	457	241297	241825	5.55	8.38
119.4	458	241825	242353	5.56	4.15
119.5	459	242353	242881	4.29	5.12
119.6	460	242881	243409	5.22	5.59
119.7	461	243409	243937	7.81	10.81
119.8	462	243937	244465	7.04	5.48
119.9	463	244465	244993	6.51	4.98
120	464	244993	245521	3.35	4.09
120.1	465	245521	246049	7.82	8.80
120.2	466	246049	246577	5.11	6.56

120.3	467	246577	247105	5.90	4.83
120.4	468	247105	247633	5.21	4.52
120.5	469	247633	248161	5.08	8.02
120.6	470	248161	248689	6.81	5.77
120.7	471	248689	249217	8.81	8.94
120.8	472	249217	249745	10.69	12.03
120.9	473	249745	250273	10.56	10.08
121	474	250273	250801	5.66	5.91
121.1	475	250801	251329	8.26	8.42
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121.3	477	251857	252385	8.15	7.25
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121.5	479	252913	253441	9.71	7.41
121.6	480	253441	253969	6.36	8.83
121.7	481	253969	254497	4.33	5.74
121.8	482	254497	255025	7.23	18.33
121.9	483	255025	255553	5.48	9.37
122	484	255553	256081	8.08	6.94
122.1	485	256081	256609	15.25	4.65
122.2	486	256609	257137	10.52	8.84
122.3	487	257137	257665	5.53	9.30
122.4	488	257665	258193	5.71	13.01
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122.6	490	258721	259249	8.00	6.85
122.7	491	259249	259777	10.31	7.84
122.8	492	259777	260305	4.55	6.88
122.9	493	260305	260833	5.87	8.11
123	494	260833	261361	8.86	14.43
123.1	495	261361	261889	8.76	9.36
123.2	496	261889	262417	8.58	11.48
123.3	497	262417	262945	9.73	15.41
123.4	498	262945	263473	15.31	15.19
123.5	499	263473	264001	10.52	20.53
123.6	500	264001	264529	6.04	12.26
123.7	501	264529	265057	8.25	9.24
123.8	502	265057	265585	9.52	13.48
123.9	503	265585	266113	11.03	13.00
124	504	266113	266641	6.08	13.53
124.1	505	266641	267169	11.40	15.48
124.2	506	267169	267697	7.17	7.60
124.3	507	267697	268225	7.69	4.39
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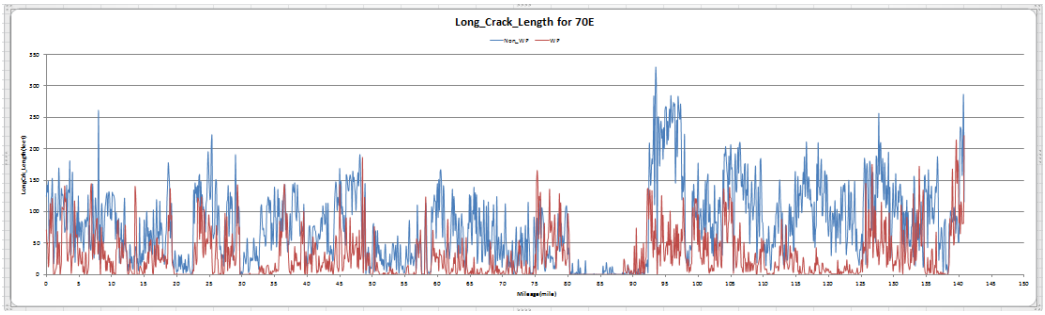
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125.3	517	272977	273505	9.06	7.47
125.4	518	273505	274033	5.65	7.77
125.5	519	274033	274561	6.91	6.32
125.6	520	274561	275089	4.22	5.77
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125.9	523	276145	276673	7.35	9.05
126	524	276673	277201	7.04	6.95
126.1	525	277201	277729	5.35	8.06
126.2	526	277729	278257	6.86	7.17
126.3	527	278257	278785	4.91	8.72
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126.6	530	279841	280369	4.70	6.31
126.7	531	280369	280897	5.26	8.32
126.8	532	280897	281425	2.64	6.09
126.9	533	281425	281953	5.72	6.56
127	534	281953	282481	3.79	8.69
127.1	535	282481	283009	6.22	5.66
127.2	536	283009	283537	7.98	11.03
127.3	537	283537	284065	8.57	10.10
127.4	538	284065	284593	5.55	10.90
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127.6	540	285121	285649	8.71	12.48
127.7	541	285649	286177	7.45	11.62
127.8	542	286177	286705	6.35	9.21
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128.1	545	287761	288289	8.02	7.83
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128.3	547	288817	289345	8.99	9.62
128.4	548	289345	289873	10.24	7.92
128.5	549	289873	290401	6.49	6.38
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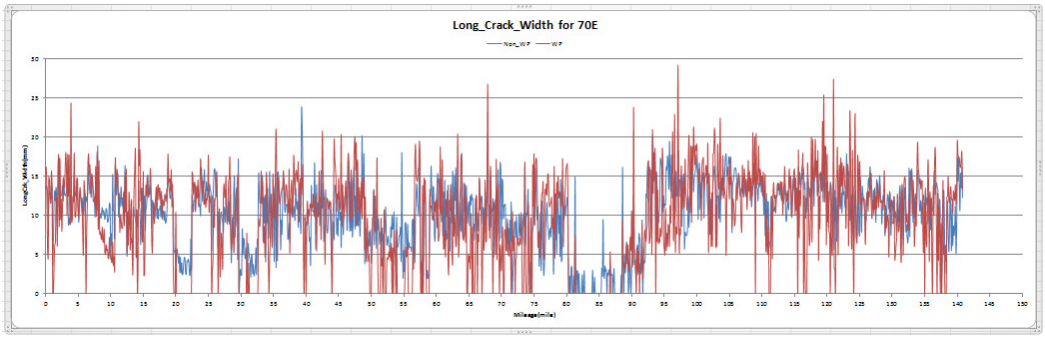
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129.7	561	296209	296737	6.87	7.76
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130.1	565	298321	298849	9.68	8.35
130.2	566	298849	299377	12.05	9.47
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131.1	575	303601	304129	10.86	11.13
131.2	576	304129	304657	3.90	7.53
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131.4	578	305185	305713	7.38	9.68
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131.9	583	307825	308353	3.96	9.39
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132.1	585	308881	309409	4.34	4.79
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132.4	588	310465	310993	9.45	8.75
132.5	589	310993	311521	5.69	6.05
132.6	590	311521	312049	6.57	5.34
132.7	591	312049	312577	7.55	6.02
132.8	592	312577	313105	8.55	6.53
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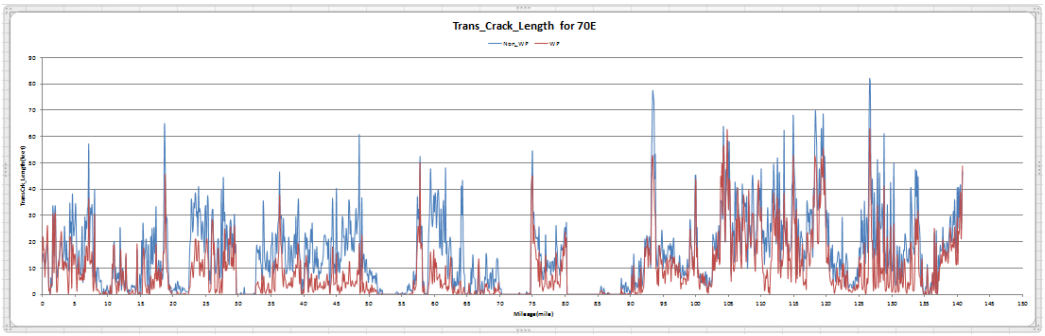
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133.5	599	316273	316801	7.10	10.26
133.6	600	316801	317329	10.09	3.69
133.7	601	317329	317857	11.72	12.29
133.8	602	317857	318385	14.89	9.47
133.9	603	318385	318913	3.84	4.23
134	604	318913	319441	8.24	21.18
134.1	605	319441	319969	8.06	9.46
134.2	606	319969	320497	8.96	11.73
134.3	607	320497	321025	10.38	8.33
134.4	608	321025	321553	4.97	11.15
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134.6	610	322081	322609	15.66	14.45
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134.8	612	323137	323665	13.24	12.95
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135.6	620	327361	327889	12.62	7.34
135.7	621	327889	328417	16.89	10.28
135.8	622	328417	328945	15.03	12.00
135.9	623	328945	329473	5.33	5.77
136	624	329473	330001	17.37	11.36
136.1	625	330001	330529	15.72	11.43
136.2	626	330529	331057	4.80	3.86
136.3	627	331057	331585	14.37	17.01
136.4	628	331585	332113	22.25	22.25
136.5	629	332113	332641	16.75	24.45
136.6	630	332641	333169	16.26	16.30
136.7	631	333169	333697	10.10	6.91
136.8	632	333697	334225	5.55	12.35
136.9	633	334225	334753	15.69	4.04
137	634	334753	335281	4.95	4.39
137.1	635	335281	335809	4.86	3.06
137.2	636	335809	336337	3.10	5.13
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137.4	638	336865	337393	4.43	6.74

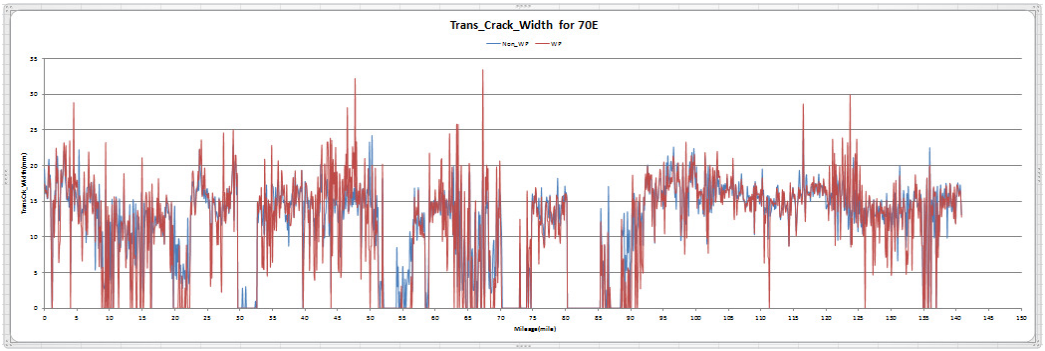
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138.4	648	342145	342673	5.99	8.22
138.5	649	342673	343201	3.67	43.65
138.6	650	343201	343729	7.24	6.94
138.7	651	343729	344257	4.28	9.03
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138.9	653	344785	345313	5.48	5.96
139	654	345313	345841	3.89	18.87
139.1	655	345841	346369	6.58	9.59
139.2	656	346369	346897	6.92	8.92
139.3	657	346897	347425	6.60	6.86
139.4	658	347425	347953	11.30	9.71
139.5	659	347953	348481	5.76	9.51
139.6	660	348481	349009	2.13	8.62
139.7	661	349009	349537	4.97	7.98
139.8	662	349537	350065	6.97	19.70
139.9	663	350065	350593	8.64	59.27
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140.1	665	351121	351649	14.42	11.07
140.2	666	351649	352177	6.91	9.01
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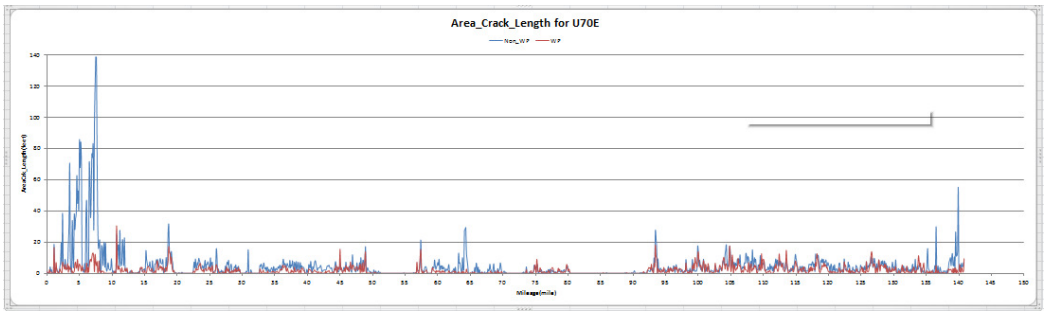
Cracking Data

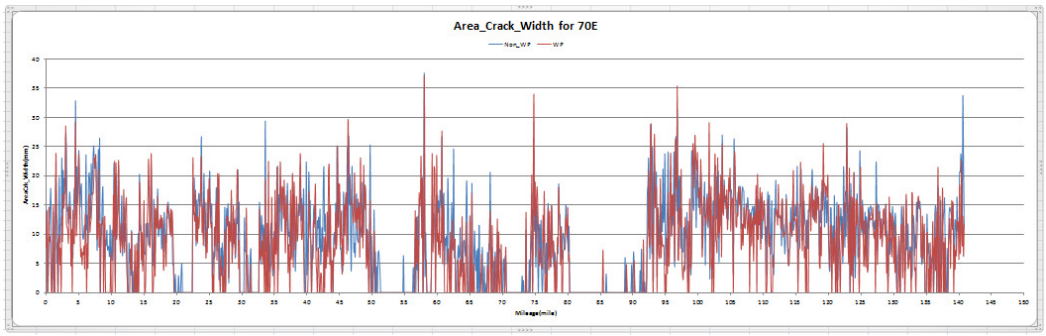









Area_Crack_Length for U70E
Non_WP
WP
Mileage(mile)


Area_Crack_Width for 70E
Non_WP
WP
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	9.13	7.65	8.39	8.39	16.03	17.51	11.18	12.21	38.11	27.21	18.98	24.64
0.1	41.25	41.16	27.48	27.48	68.64	68.73	45.79	48.06	144.28	114.43	77.08	95.03
0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.3	2.28	3.42	2.85	2.85	6.27	5.13	3.80	4.56	12.55	10.08	6.59	8.17
0.4	23.48	25.28	17.32	19.01	44.30	40.81	28.37	30.81	90.63	72.67	48.09	59.50
0.5	18.36	27.48	19.62	13.58	41.06	37.98	26.35	30.34	81.91	67.41	45.25	54.13
0.6	14.67	9.65	12.16	12.16	21.81	26.83	16.21	16.99	55.97	38.02	27.28	36.09
0.7	28.65	16.40	17.06	17.06	33.46	45.71	26.39	25.26	88.04	59.86	43.61	57.21
0.8	9.42	28.25	18.83	4.71	32.96	28.25	20.40	25.90	58.86	53.36	35.84	39.63
0.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	4.82	7.23	6.03	6.03	13.26	10.85	8.04	9.65	26.53	21.30	13.93	17.28
1.1	28.08	28.91	21.30	21.51	50.42	49.37	33.26	35.86	106.73	83.68	56.30	70.00
1.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.4	28.93	34.25	24.03	21.40	55.64	52.96	36.20	39.84	114.20	91.84	61.55	75.20
1.5	41.48	45.67	32.72	32.68	78.35	74.20	50.85	55.54	162.42	129.20	86.31	106.64
1.6	23.16	29.27	17.30	18.22	47.48	40.46	29.32	32.39	91.07	76.80	49.88	60.19
1.7	8.45	23.60	16.02	9.81	33.41	24.47	19.30	24.72	59.00	52.71	33.97	39.15
1.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.9	9.69	8.36	9.02	9.02	17.38	18.71	12.03	13.20	40.94	29.41	20.44	26.49
2	39.43	24.38	22.06	24.64	49.02	61.50	36.84	35.54	121.68	85.85	60.96	79.26
2.1	18.32	23.48	16.15	11.54	35.01	34.47	23.16	25.58	71.59	58.17	39.41	47.38
2.2	26.55	26.47	18.97	17.05	43.51	45.53	29.68	31.24	93.82	73.19	49.99	61.75
2.3	11.93	23.65	17.79	5.97	29.62	29.72	19.78	23.70	59.39	49.40	34.27	39.59
2.4	48.88	35.37	29.22	30.89	66.26	78.10	48.12	47.74	156.73	114.38	80.07	102.43
2.5	30.15	28.46	20.57	19.44	47.90	50.72	32.87	34.24	104.40	80.77	55.24	68.64
2.6	38.74	40.54	30.77	27.75	68.29	69.51	45.94	49.53	146.80	114.23	77.76	96.37
2.7	35.08	32.08	23.25	24.79	56.87	58.33	38.40	40.06	123.18	95.27	64.55	80.79
2.8	35.69	39.01	29.30	26.27	65.28	64.99	43.42	47.29	138.55	108.70	73.66	90.99
2.9	40.88	39.47	28.94	29.15	68.62	69.83	46.15	48.78	147.76	114.77	77.79	96.95
3	57.88	49.98	38.61	43.19	93.16	96.49	63.22	65.89	205.57	156.38	106.25	134.39
3.1	46.99	36.13	29.76	29.39	65.52	76.75	47.42	47.64	153.78	112.94	79.11	100.60
3.2	27.64	31.48	22.73	19.41	50.89	50.37	33.75	36.81	106.59	84.64	57.27	70.17
3.3	36.09	34.03	24.35	23.40	57.43	60.44	39.29	40.89	124.73	96.72	66.02	82.01
3.4	28.91	29.34	20.59	18.72	48.06	49.50	32.52	34.32	102.55	80.58	54.80	67.53
3.5	38.84	39.75	26.95	26.88	66.63	65.78	44.14	46.79	139.45	110.76	74.44	91.79
3.6	42.59	38.27	27.77	27.62	65.89	70.35	45.41	46.83	144.80	111.30	76.16	95.11
3.7	26.76	42.90	28.90	20.62	63.52	55.66	39.73	46.21	122.50	103.25	68.37	81.11
3.8	11.48	4.55	8.01	8.01	12.56	19.50	10.69	10.29	37.80	23.24	17.68	24.24
3.9	28.95	33.07	20.25	19.85	52.92	49.20	34.04	36.59	105.64	86.96	57.58	69.84

4	6.05	18.15	12.10	3.03	21.18	18.15	13.11	16.64	37.82	34.29	23.03	25.46
4.1	33.72	31.61	18.76	23.81	55.42	52.47	35.97	37.09	113.37	91.39	60.32	74.67
4.2	30.60	31.52	22.45	19.60	51.13	53.05	34.73	36.79	109.44	85.85	58.56	72.09
4.3	34.67	33.42	25.68	21.52	54.94	60.35	38.43	40.31	122.17	93.37	64.67	80.30
4.4	32.91	38.29	26.69	23.82	62.11	59.60	40.57	44.40	127.81	102.68	68.89	84.19
4.5	56.76	52.50	42.69	42.94	95.44	99.45	64.96	69.07	211.45	160.41	109.64	138.21
4.6	33.12	33.83	23.61	21.49	55.32	56.74	37.35	39.47	117.70	92.67	62.96	77.53
4.7	44.40	35.69	28.63	27.91	63.59	73.02	45.54	46.11	147.04	109.13	76.09	96.29
4.8	44.40	43.67	29.49	31.33	75.00	73.89	49.63	52.24	157.46	124.63	83.59	103.55
4.9	44.67	45.08	31.22	31.90	76.99	75.89	50.96	54.10	161.90	127.95	85.98	106.43
5	46.80	48.74	36.55	35.22	83.96	83.34	55.77	60.25	178.82	139.73	94.44	117.30
5.1	40.46	42.73	30.81	28.60	71.33	71.28	47.53	51.07	150.94	118.86	80.40	99.24
5.2	21.65	36.87	25.76	16.12	52.99	47.40	33.46	39.37	102.89	86.45	57.74	68.18
5.3	30.13	29.76	23.79	18.14	47.90	53.93	33.94	35.85	107.92	81.84	57.21	70.93
5.4	33.68	24.74	21.67	20.61	45.35	55.34	33.56	33.51	109.46	78.91	55.92	71.51
5.5	22.17	24.53	18.60	13.46	37.98	40.77	26.25	28.29	82.52	64.24	44.43	54.39
5.6	23.43	20.17	14.92	15.16	35.33	38.35	24.56	25.12	78.63	59.89	41.12	51.60
5.7	22.07	23.88	16.49	14.28	38.16	38.56	25.57	27.33	80.17	63.74	43.21	52.87
5.8	19.62	24.83	17.73	13.79	38.61	37.35	25.32	28.17	79.31	63.93	43.15	52.31
5.9	19.72	20.54	16.06	11.90	32.44	35.78	22.74	24.25	71.93	55.19	38.41	47.34
6	28.53	35.63	22.79	20.93	56.56	51.32	35.96	39.68	111.93	92.53	61.17	73.94
6.1	43.96	36.06	29.84	27.07	63.13	73.80	45.64	46.48	147.35	108.77	76.35	96.49
6.2	10.94	15.84	13.39	5.47	21.31	24.33	15.21	17.35	47.15	36.52	26.07	31.18
6.3	30.10	26.68	19.96	19.27	45.95	50.06	32.00	32.95	102.28	77.95	53.66	67.14
6.4	17.02	20.00	14.20	10.66	30.66	31.22	20.63	22.43	64.31	51.29	34.98	42.47
6.5	35.91	42.99	31.21	25.78	68.77	67.12	45.30	49.99	142.89	114.06	77.06	94.09
6.6	42.35	40.54	30.55	29.60	70.14	72.91	47.68	50.35	152.85	117.82	80.36	100.26
6.7	38.77	36.01	26.94	24.61	60.62	65.71	42.11	43.78	134.10	102.72	70.74	88.10
6.8	36.39	34.70	23.74	24.10	58.80	60.13	39.64	41.27	125.50	98.45	66.61	82.57
6.9	47.36	36.25	29.14	30.01	66.26	76.49	47.59	47.70	154.21	113.85	79.35	100.90
7	32.99	36.52	26.63	24.08	60.59	59.62	40.07	43.61	127.30	100.66	67.96	83.69
7.1	38.24	43.90	31.81	27.69	71.58	70.05	47.21	51.70	149.44	118.80	80.18	98.33
7.2	42.93	46.90	35.24	29.93	76.82	78.17	51.66	56.03	164.13	128.49	87.56	107.90
7.3	63.79	45.06	35.08	41.57	86.64	98.87	61.84	60.86	201.30	148.47	102.73	131.57
7.4	55.20	50.81	36.04	39.10	89.90	91.24	60.38	62.97	193.31	150.29	101.50	126.85
7.5	48.35	52.31	36.94	35.18	87.49	85.30	57.60	62.22	182.70	145.09	97.54	120.15
7.6	45.29	51.91	37.06	34.41	86.32	82.35	56.22	61.69	178.44	142.54	95.52	117.33
7.7	38.70	39.78	28.75	27.83	67.60	67.46	45.02	48.18	143.46	112.62	76.09	94.24
7.8	25.61	30.96	19.11	17.40	48.36	44.73	31.03	33.73	95.86	79.38	52.61	63.44
7.9	33.78	30.71	22.15	21.93	52.64	55.93	36.19	37.40	115.26	88.83	60.72	75.72
8	41.14	46.11	35.32	31.10	77.20	76.46	51.22	56.26	163.82	128.42	87.05	107.52
8.1	28.31	29.76	21.06	18.14	47.90	49.37	32.42	34.48	102.00	80.32	54.73	67.21
8.2	49.73	46.20	36.25	30.72	76.93	85.98	54.30	56.59	173.29	131.23	91.27	113.80

8.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.4	31.10	34.95	21.35	21.39	56.34	52.46	36.27	38.85	112.69	92.60	61.30	74.48
8.5	33.81	33.18	22.02	22.64	55.82	55.84	37.22	38.92	117.40	93.04	62.60	77.31
8.6	40.88	37.28	26.88	26.54	63.81	67.76	43.86	45.35	139.65	107.67	73.59	91.75
8.7	43.64	33.28	25.65	28.22	61.50	69.29	43.60	43.58	141.09	105.10	72.65	92.34
8.8	6.75	20.25	13.50	3.38	23.63	20.25	14.63	18.56	42.19	38.25	25.69	28.41
8.9	21.35	24.66	15.12	14.61	39.27	36.47	25.25	27.20	78.28	64.51	42.73	51.76
9	32.04	31.82	19.07	22.45	54.27	51.11	35.13	36.67	110.23	89.40	59.06	72.68
9.1	9.03	27.08	18.05	4.51	31.59	27.08	19.56	24.82	56.42	51.15	34.35	37.99
9.2	8.06	24.17	16.11	4.03	28.20	24.17	17.46	22.16	50.36	45.66	30.66	33.91
9.3	10.73	32.18	21.45	5.36	37.54	32.18	23.24	29.50	67.04	60.78	40.82	45.14
9.4	7.31	21.92	14.61	3.65	25.57	21.92	15.83	20.09	45.66	41.40	27.80	30.74
9.5	7.99	23.98	15.99	4.00	27.98	23.98	17.32	21.98	49.96	45.30	30.42	33.64
9.6	7.78	23.35	15.57	3.89	27.24	23.35	16.87	21.41	48.65	44.11	29.62	32.76
9.7	6.29	18.86	12.57	3.14	22.00	18.86	13.62	17.29	39.29	35.62	23.92	26.46
9.8	11.58	34.75	23.16	5.79	40.54	34.75	25.09	31.85	72.39	65.63	44.08	48.74
9.9	19.06	22.98	14.18	12.95	35.93	33.24	23.05	25.05	71.24	58.98	39.09	47.15
10	6.07	18.20	12.14	3.03	21.24	18.20	13.15	16.69	37.92	34.38	23.09	25.54
10.1	10.73	32.20	21.47	5.37	37.56	32.20	23.25	29.52	67.08	60.82	40.84	45.17
10.2	5.47	16.41	10.94	2.74	19.15	16.41	11.85	15.04	34.19	31.00	20.82	23.02
10.3	44.17	49.69	30.37	30.37	80.06	74.54	51.53	55.21	160.12	131.59	87.11	105.82
10.4	41.56	56.87	39.53	25.62	82.49	81.09	54.53	61.01	167.72	137.02	93.04	111.12
10.5	55.29	53.91	32.21	38.84	92.75	87.50	60.08	62.48	188.82	152.83	100.94	124.45
10.6	2.21	6.62	4.41	1.10	7.72	6.62	4.78	6.07	13.79	12.51	8.40	9.29
10.7	41.56	42.83	31.54	31.83	74.66	73.10	49.25	53.10	158.02	123.91	83.37	103.64
10.8	28.51	29.24	19.49	18.95	48.18	48.01	32.06	33.84	100.79	80.24	54.03	66.43
10.9	29.93	35.24	24.03	21.44	56.68	53.96	36.88	40.36	115.75	93.56	62.63	76.32
11	33.29	34.56	25.66	24.07	58.63	58.95	39.19	42.14	125.17	97.82	66.31	82.18
11.1	44.47	43.19	32.57	33.55	76.74	77.03	51.26	54.66	165.24	128.00	86.56	108.25
11.2	33.52	32.30	22.71	21.86	54.16	56.23	36.80	38.43	116.53	90.96	61.87	76.66
11.3	28.74	31.50	21.39	18.74	50.24	50.13	33.46	35.81	104.68	83.69	56.55	69.07
11.4	21.93	31.21	19.65	14.42	45.63	41.58	29.07	32.64	88.64	74.70	49.64	58.86
11.5	36.74	32.40	22.63	24.34	56.73	59.37	38.70	39.68	123.39	95.43	64.83	81.05
11.6	34.85	33.72	25.06	22.04	55.75	59.91	38.55	40.41	122.35	94.30	64.87	80.45
11.7	21.17	26.45	16.40	14.29	40.74	37.57	26.10	28.57	80.43	66.85	44.33	53.27
11.8	29.13	28.80	20.25	18.92	47.72	49.38	32.37	33.98	102.29	80.08	54.48	67.33
11.9	27.69	40.41	26.57	22.68	63.09	54.26	39.12	44.83	121.77	102.21	67.10	80.45
12	28.68	26.70	20.65	17.86	44.56	49.33	31.30	32.61	99.79	75.85	52.60	65.54
12.1	30.55	24.88	16.83	20.72	45.59	47.38	30.99	31.21	99.30	76.58	51.72	65.15
12.2	23.01	27.55	19.72	19.03	46.58	42.73	29.77	33.15	94.91	76.35	50.74	62.34
12.3	28.26	16.16	11.32	22.21	38.37	39.58	25.98	24.84	86.63	64.35	42.93	56.31
12.4	2.88	5.00	3.94	3.94	8.94	6.81	5.25	6.44	17.20	14.20	9.15	11.22
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.7	8.43	25.28	16.85	4.21	29.49	25.28	18.26	23.17	52.66	47.75	32.06	35.46
12.8	5.06	15.18	10.12	2.53	17.71	15.18	10.96	13.91	31.62	28.67	19.25	21.29
12.9	6.74	7.41	7.08	7.08	14.49	13.82	9.44	10.78	31.68	23.92	16.18	20.56
13	2.99	4.06	3.52	3.52	7.58	6.51	4.70	5.55	15.58	12.28	8.11	10.14
13.1	25.19	10.35	10.51	17.77	28.12	35.70	21.27	19.32	72.79	49.40	34.81	47.03
13.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.3	3.65	0.00	1.83	1.83	1.83	5.48	2.44	1.83	9.14	4.26	3.86	5.79
13.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.6	21.88	8.21	6.84	15.04	23.25	28.72	17.32	15.04	58.81	40.57	28.11	38.07
13.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.9	21.33	8.45	6.44	14.89	23.34	27.77	17.04	14.89	57.55	40.37	27.68	37.29
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	10.14	7.18	8.66	8.66	15.84	18.80	11.55	12.25	39.71	27.38	19.48	25.63
14.2	4.39	0.00	2.19	2.19	2.19	6.58	2.93	2.19	10.97	5.12	4.63	6.95
14.3	37.40	34.54	27.38	28.01	62.55	64.77	42.44	44.97	137.75	105.00	71.58	90.10
14.4	31.50	24.13	17.41	23.94	48.08	48.91	32.33	32.74	105.60	80.40	54.02	68.96
14.5	23.54	22.39	16.98	17.39	39.78	40.52	26.77	28.38	86.28	66.55	45.15	56.52
14.6	19.78	15.82	12.25	12.67	28.48	32.03	20.17	20.36	65.06	48.65	33.68	42.61
14.7	13.78	18.41	11.63	12.05	30.46	25.42	18.63	21.05	58.51	49.09	31.85	38.57
14.8	5.78	10.75	8.27	4.72	15.48	14.05	9.84	11.87	30.64	25.32	17.08	20.24
14.9	7.34	8.44	7.89	7.89	16.33	15.24	10.52	12.11	35.24	26.86	18.07	22.88
15	25.74	15.60	11.17	20.67	36.26	36.91	24.39	23.72	81.30	60.66	40.43	52.84
15.1	6.85	20.56	13.71	3.43	23.99	20.56	14.85	18.85	42.84	38.84	26.09	28.85
15.2	6.52	19.57	13.05	3.26	22.83	19.57	14.13	17.94	40.77	36.96	24.82	27.45
15.3	11.77	23.08	17.43	8.28	31.36	29.19	20.19	24.39	61.87	51.55	35.05	41.03
15.4	19.85	19.75	14.72	14.48	34.23	34.56	22.93	24.47	73.51	57.16	38.73	48.22
15.5	19.08	22.73	16.13	15.95	38.68	35.21	24.63	27.41	78.57	63.32	41.98	51.60
15.6	27.27	29.42	20.67	21.81	51.23	47.94	33.06	35.95	105.70	84.29	56.06	69.38
15.7	40.56	22.89	15.51	31.73	54.62	56.07	36.90	35.07	122.86	91.52	60.88	79.88
15.8	28.74	20.27	14.23	22.07	42.33	42.97	28.44	28.28	93.32	70.77	47.34	60.88
15.9	18.34	20.77	15.73	13.04	33.82	34.07	22.63	24.77	71.88	56.44	38.43	47.25
16	37.28	25.78	20.59	24.11	49.89	57.87	35.92	35.24	117.23	85.82	59.64	76.57
16.1	52.43	33.71	27.67	38.13	71.84	80.10	50.65	49.76	167.99	122.48	84.11	109.32
16.2	26.47	27.18	19.84	20.22	47.40	46.32	31.24	33.62	100.15	78.63	52.86	65.69
16.3	4.55	0.00	2.27	2.27	2.27	6.82	3.03	2.27	11.37	5.30	4.80	7.20
16.4	4.85	0.00	2.43	2.43	2.43	7.28	3.24	2.43	12.14	5.66	5.12	7.69
16.5	25.45	19.47	17.75	15.08	34.55	43.19	25.92	26.15	84.42	60.47	43.27	55.17
16.6	26.92	14.80	10.47	20.86	35.67	37.40	24.35	23.07	81.33	60.02	40.16	52.84
16.7	5.23	2.78	4.00	4.00	6.78	9.23	5.34	5.39	18.63	12.12	8.91	11.98
16.8	27.85	30.55	21.84	21.00	51.54	49.69	33.74	36.69	107.37	85.29	57.22	70.56

16.9	23.58	27.17	19.64	17.67	44.84	43.22	29.35	32.24	93.13	74.19	49.88	61.24
17	22.89	22.72	16.93	17.01	39.73	39.82	26.52	28.33	85.17	66.25	44.80	55.84
17.1	34.27	42.37	30.07	25.37	67.74	64.34	44.03	48.91	138.62	111.77	75.01	91.33
17.2	18.75	20.10	14.87	14.87	34.97	33.62	22.86	24.92	73.41	57.83	38.79	48.14
17.3	21.79	20.93	15.56	16.27	37.20	37.35	24.85	26.38	79.99	62.05	41.92	52.42
17.4	25.25	26.36	18.87	18.87	45.23	44.12	29.78	32.05	95.04	75.02	50.39	62.41
17.5	23.05	22.35	17.26	17.00	39.36	40.30	26.55	28.31	85.61	65.91	44.84	56.08
17.6	32.55	28.30	20.52	22.91	51.22	53.07	34.76	35.87	111.85	85.98	58.30	73.31
17.7	20.74	11.15	9.29	15.94	27.09	30.04	19.04	18.19	64.17	46.13	31.45	41.61
17.8	27.19	27.83	20.15	20.00	47.84	47.34	31.73	33.99	101.34	79.56	53.63	66.53
17.9	21.34	25.40	16.54	15.87	41.27	37.88	26.38	28.90	82.65	67.65	44.81	54.52
18	7.11	3.94	5.52	5.52	9.46	12.63	7.37	7.49	25.65	16.83	12.32	16.51
18.1	19.52	30.13	21.92	12.65	42.78	41.45	28.08	32.35	86.45	70.86	48.22	57.27
18.2	23.26	22.97	16.64	16.56	39.53	39.91	26.48	28.09	84.56	66.02	44.67	55.52
18.3	18.46	18.23	14.10	13.82	32.05	32.56	21.54	23.07	69.45	53.59	36.41	45.49
18.4	17.78	14.08	11.36	11.17	25.25	29.13	18.13	18.30	58.61	43.38	30.27	38.37
18.5	24.73	22.59	17.83	19.03	41.62	42.55	28.06	29.72	91.31	69.68	47.32	59.68
18.6	31.81	27.28	19.97	23.52	50.80	51.78	34.19	35.38	110.68	84.99	57.38	72.43
18.7	27.84	29.76	22.63	20.78	50.53	50.47	33.67	36.58	107.83	84.20	57.09	70.75
18.8	30.16	27.79	20.78	22.02	49.81	50.94	33.58	35.29	108.26	83.39	56.54	70.92
18.9	25.81	25.04	18.49	19.24	44.27	44.31	29.53	31.38	94.93	73.80	49.83	62.23
19	21.86	19.75	15.08	15.92	35.67	36.95	24.20	25.38	78.24	59.87	40.73	51.22
19.1	28.74	25.64	18.69	21.54	47.18	47.43	31.54	32.94	101.90	78.71	53.03	66.72
19.2	24.96	25.33	19.13	17.27	42.59	44.09	28.89	30.86	92.22	71.49	48.81	60.56
19.3	26.93	26.37	19.46	20.50	46.87	46.39	31.08	33.16	100.05	77.95	52.50	65.57
19.4	11.80	18.36	11.59	11.59	29.95	23.38	17.78	20.77	55.73	47.73	30.63	36.76
19.5	5.04	7.02	6.03	6.03	13.05	11.08	8.04	9.54	26.65	21.09	13.90	17.35
19.6	2.06	6.17	4.11	1.03	7.19	6.17	4.45	5.65	12.85	11.65	7.82	8.65
19.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19.8	3.15	0.00	1.58	1.58	1.58	4.73	2.10	1.58	7.88	3.68	3.33	4.99
19.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.3	2.93	0.00	1.46	1.46	1.46	4.39	1.95	1.46	7.31	3.41	3.09	4.63
20.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.7	3.32	0.00	1.66	1.66	1.66	4.99	2.22	1.66	8.31	3.88	3.51	5.26
20.8	4.89	0.00	2.45	2.45	2.45	7.34	3.26	2.45	12.24	5.71	5.17	7.75
20.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

21.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	34.38	41.37	28.39	28.59	69.96	62.78	44.24	49.18	140.54	114.20	75.38	92.39
22.6	26.65	27.38	20.36	20.28	47.66	47.02	31.56	34.01	101.31	79.22	53.42	66.44
22.7	47.05	35.44	27.57	30.36	65.80	74.61	46.81	46.68	151.66	112.61	77.97	99.23
22.8	27.87	35.31	25.07	20.09	55.40	52.94	36.11	40.23	113.26	91.51	61.56	74.69
22.9	25.34	28.93	22.35	21.44	50.37	47.69	32.69	36.36	105.49	83.05	55.70	69.09
23	25.83	17.06	12.53	17.37	34.43	38.37	24.27	23.48	79.22	58.70	40.18	51.75
23.1	29.18	32.04	23.97	21.19	53.23	53.15	35.46	38.60	112.94	88.69	60.15	74.20
23.2	20.27	26.12	17.62	14.37	40.49	37.89	26.13	29.05	81.31	66.61	44.52	53.72
23.3	31.33	33.98	24.22	22.11	56.09	55.55	37.21	40.15	117.81	93.30	63.00	77.51
23.4	29.55	40.10	28.54	20.27	60.36	58.09	39.48	44.45	122.80	99.84	67.46	81.14
23.5	29.78	36.50	26.13	21.17	57.67	55.91	37.86	41.90	118.98	95.53	64.45	78.42
23.6	34.30	25.10	19.94	25.28	50.38	54.25	34.88	35.16	114.69	85.26	58.22	74.79
23.7	32.00	31.50	24.78	25.24	56.74	56.77	37.84	40.76	122.77	94.58	64.04	80.31
23.8	53.30	53.62	40.18	38.19	91.81	93.47	61.76	65.99	197.66	153.57	104.34	129.71
23.9	36.42	26.94	21.19	23.46	50.40	57.61	36.00	35.79	116.87	86.40	59.94	76.44
24	28.85	31.91	23.28	21.65	53.56	52.13	35.23	38.42	112.20	88.79	59.78	73.72
24.1	13.33	26.40	19.86	10.69	37.09	33.19	23.43	28.48	72.36	60.52	40.73	47.90
24.2	36.47	40.86	30.64	26.18	67.04	67.11	44.72	48.84	142.13	111.75	75.90	93.42
24.3	27.97	30.39	21.08	21.08	51.48	49.05	33.51	36.28	106.40	84.98	56.77	69.96
24.4	26.44	21.65	14.78	19.68	41.33	41.21	27.52	28.05	88.95	68.85	46.04	58.23
24.5	15.47	30.54	23.00	10.67	41.21	38.47	26.56	32.11	81.25	67.77	46.12	53.90
24.6	20.36	17.69	13.06	15.43	33.12	33.41	22.18	23.09	71.93	55.30	37.27	47.06
24.7	17.81	18.89	14.69	12.42	31.31	32.50	21.27	23.00	67.91	52.58	36.03	44.59
24.8	38.28	36.97	24.79	27.98	64.94	63.07	42.67	44.87	135.91	107.61	71.85	89.29
24.9	27.88	24.69	18.50	19.47	44.16	46.38	30.18	31.33	97.19	74.34	50.69	63.69
25	39.90	44.20	31.08	29.65	73.85	70.97	48.27	52.46	153.08	122.12	81.85	100.68
25.1	42.23	43.75	32.19	29.25	72.99	74.42	49.14	52.59	156.26	122.13	83.05	102.70
25.2	24.46	25.80	18.93	18.93	44.73	43.39	29.37	31.83	94.15	74.11	49.78	61.76
25.3	27.28	26.86	20.84	19.18	46.04	48.12	31.39	33.44	100.74	77.43	53.00	66.07
25.4	31.92	29.57	22.39	21.93	51.50	54.31	35.27	36.94	113.18	86.77	59.34	74.22

25.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.6	4.10	3.09	3.59	3.59	6.68	7.70	4.79	5.14	16.43	11.47	8.10	10.61
25.7	6.97	0.00	3.48	3.48	3.48	10.45	4.64	3.48	17.42	8.13	7.35	11.03
25.8	5.86	11.01	8.44	8.44	19.45	14.29	11.25	13.94	36.67	30.70	19.64	23.96
25.9	22.64	8.00	7.32	15.32	23.31	29.96	17.76	15.32	60.59	41.07	28.78	39.17
26	31.96	35.86	24.00	22.48	58.35	55.95	38.10	41.17	119.61	96.44	64.52	78.85
26.1	40.42	41.25	29.59	27.78	69.03	70.01	46.35	49.31	147.10	115.38	78.23	96.72
26.2	18.40	17.10	12.19	11.98	29.08	30.59	19.89	20.64	63.20	48.97	33.40	41.55
26.3	36.20	32.18	21.57	28.30	60.48	57.76	39.41	41.02	127.09	99.90	66.23	83.25
26.4	25.26	27.58	17.88	16.90	44.48	43.15	29.21	31.18	91.23	73.69	49.34	60.22
26.5	42.83	20.29	11.27	31.56	51.85	54.10	35.32	31.56	117.23	87.17	57.61	76.27
26.6	4.07	3.41	3.74	3.74	7.14	7.81	4.99	5.44	16.99	12.13	8.46	10.99
26.7	3.88	0.00	1.94	1.94	1.94	5.82	2.59	1.94	9.71	4.53	4.10	6.15
26.8	7.65	6.13	6.89	6.89	13.03	14.54	9.19	9.96	31.38	22.21	15.57	20.29
26.9	9.11	2.90	3.11	6.00	8.90	12.22	7.04	6.00	24.22	15.94	11.39	15.63
27	17.33	17.76	13.14	10.87	28.64	30.47	19.70	20.89	62.23	48.34	33.23	40.96
27.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.2	6.54	2.82	4.68	4.68	7.50	11.23	6.24	6.09	22.00	13.75	10.36	14.12
27.3	8.08	0.00	4.04	4.04	4.04	12.13	5.39	4.04	20.21	9.43	8.53	12.80
27.4	25.31	33.38	23.92	17.99	51.37	49.23	33.53	37.65	104.86	84.90	57.26	69.20
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.6	23.32	23.93	17.77	16.22	40.15	41.09	27.08	28.96	86.27	67.23	45.76	56.68
27.7	33.26	32.55	23.50	23.14	55.69	56.76	37.48	39.59	119.50	93.17	63.18	78.49
27.8	24.88	25.47	18.43	18.43	43.90	43.30	29.07	31.16	92.89	72.97	49.14	60.98
27.9	33.54	31.38	23.18	23.18	54.56	56.71	37.09	38.87	118.76	91.65	62.41	77.92
28	1.61	2.42	2.02	2.02	4.44	3.63	2.69	3.23	8.87	7.13	4.66	5.78
28.1	35.77	33.17	22.51	23.87	57.04	58.29	38.44	39.78	121.93	95.48	64.52	80.19
28.2	21.65	20.21	15.64	15.77	35.98	37.30	24.43	25.81	78.88	60.41	41.17	51.66
28.3	10.61	8.83	9.72	9.72	18.55	20.33	12.96	14.14	44.19	31.51	21.99	28.58
28.4	40.22	38.12	27.12	28.88	67.00	67.34	44.78	47.06	143.28	111.78	75.40	94.03
28.5	18.83	20.52	14.32	12.09	32.61	33.15	21.92	23.46	68.70	54.52	37.04	45.31
28.6	23.17	30.80	19.25	15.46	46.26	42.42	29.56	32.75	90.63	75.82	50.33	60.10
28.7	31.07	27.64	18.62	22.98	50.62	49.70	33.44	34.62	107.31	84.06	56.13	70.37
28.8	27.23	29.61	20.06	17.79	47.40	47.29	31.56	33.73	98.81	78.97	53.33	65.19
28.9	19.26	21.99	17.22	15.62	37.61	36.49	24.70	27.42	79.52	62.31	42.07	52.11
29	19.26	19.23	12.62	12.94	32.17	31.89	21.35	22.40	67.23	53.53	35.94	44.29
29.1	27.05	28.65	18.26	20.60	49.25	45.31	31.52	33.75	99.66	80.76	53.28	65.59
29.2	30.61	31.57	22.20	22.52	54.10	52.81	35.64	38.15	113.48	89.73	60.23	74.56
29.3	32.17	33.80	22.84	26.62	60.41	55.01	38.47	41.63	123.25	98.88	65.17	80.86
29.4	37.78	35.05	28.05	28.52	63.57	65.83	43.13	45.81	140.15	106.70	72.78	91.64
29.5	19.12	14.42	12.44	11.72	26.14	31.56	19.23	19.29	62.57	45.38	32.07	40.90
29.6	33.09	24.30	19.78	21.00	45.30	52.87	32.72	32.54	106.41	78.03	54.48	69.57
29.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

29.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.4	12.70	38.11	25.41	6.35	44.46	38.11	27.52	34.93	79.40	71.99	48.34	53.46
30.5	7.07	21.20	14.13	3.53	24.73	21.20	15.31	19.43	44.16	40.04	26.89	29.74
30.6	7.26	21.77	14.51	3.63	25.40	21.77	15.72	19.96	45.35	41.12	27.62	30.54
30.7	35.00	32.56	19.29	24.75	57.31	54.30	37.20	38.30	117.34	94.51	62.37	77.27
30.8	6.31	15.30	10.80	4.97	20.27	17.11	12.46	15.53	37.62	32.73	21.79	25.04
30.9	6.40	19.21	12.81	3.20	22.41	19.21	13.87	17.61	40.02	36.29	24.37	26.95
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.3	15.96	23.64	14.95	10.40	34.04	30.91	21.65	24.50	65.81	55.69	37.03	43.73
31.4	7.44	22.31	14.87	3.72	26.03	22.31	16.11	20.45	46.48	42.14	28.30	31.29
31.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.7	27.49	24.64	19.88	20.86	45.49	47.37	30.95	32.69	100.91	76.45	52.17	65.93
32.8	23.85	17.32	14.81	14.81	32.14	38.66	23.60	23.47	76.95	55.74	39.29	50.28
32.9	4.89	7.31	6.10	6.10	13.41	10.99	8.13	9.76	26.84	21.55	14.10	17.49
33	25.61	19.38	16.22	15.94	35.32	41.82	25.72	25.77	83.53	61.04	42.88	54.62
33.1	21.39	18.74	15.20	15.13	33.87	36.59	23.48	24.53	76.25	57.35	39.49	49.87
33.2	18.33	20.30	14.48	11.58	31.88	32.81	21.56	23.18	67.56	53.44	36.47	44.56
33.3	11.62	10.04	10.83	10.83	20.87	22.45	14.44	15.85	49.13	35.31	24.54	31.78
33.4	9.36	21.81	15.58	7.10	28.90	24.95	17.95	22.24	54.29	46.85	31.35	36.12
33.5	6.04	6.15	6.10	3.02	9.17	12.14	7.10	7.63	22.79	16.28	12.02	14.95
33.6	68.30	51.33	40.37	43.87	95.20	108.67	67.96	67.79	220.33	163.16	113.21	144.14
33.7	7.08	11.02	9.05	3.54	14.56	16.13	10.23	11.81	31.48	24.79	17.58	20.85
33.8	7.86	7.86	7.86	3.93	11.79	15.72	9.17	9.83	29.48	20.96	15.50	19.32
33.9	19.27	11.90	10.07	15.59	27.49	29.34	18.94	18.78	63.71	46.43	31.52	41.33
34	2.74	0.00	1.37	1.37	1.37	4.11	1.83	1.37	6.85	3.19	2.89	4.34

34.1	7.27	22.51	14.89	14.89	37.40	22.16	19.85	26.15	63.20	57.26	35.19	41.53
34.2	8.36	0.00	4.18	4.18	4.18	12.54	5.57	4.18	20.89	9.75	8.82	13.23
34.3	3.51	0.00	1.75	1.75	1.75	5.26	2.34	1.75	8.76	4.09	3.70	5.55
34.4	18.36	22.75	16.39	11.26	34.02	34.74	22.92	25.20	71.21	56.94	38.96	47.06
34.5	22.60	15.27	13.58	13.98	29.25	36.18	21.81	21.41	71.58	51.06	36.22	46.69
34.6	25.50	16.34	12.50	20.92	37.27	38.00	25.09	24.88	83.81	62.36	41.75	54.45
34.7	4.16	6.24	5.20	5.20	11.44	9.36	6.93	8.32	22.88	18.37	12.02	14.90
34.8	2.98	3.95	3.47	3.47	7.41	6.45	4.62	5.44	15.36	12.04	7.98	9.99
34.9	9.70	9.32	9.51	9.51	18.83	19.22	12.68	14.17	42.90	31.51	21.63	27.79
35	10.53	16.77	13.65	5.27	22.03	24.18	15.40	17.84	47.29	37.44	26.49	31.35
35.1	30.22	30.37	19.49	23.85	54.22	49.71	34.65	36.86	110.43	88.87	58.48	72.54
35.2	18.28	14.98	13.42	12.45	27.43	31.70	19.71	20.42	64.58	47.14	33.09	42.14
35.3	26.87	22.53	17.15	17.21	39.74	44.02	27.92	28.44	89.68	67.66	46.71	58.80
35.4	17.61	30.25	19.51	19.51	49.77	37.12	28.96	34.64	91.27	78.73	50.16	60.12
35.5	21.68	28.25	24.97	10.84	39.09	46.65	28.58	32.03	89.52	67.67	48.79	59.05
35.6	3.87	6.30	5.09	5.09	11.39	8.96	6.78	8.24	22.28	18.17	11.79	14.53
35.7	36.11	35.03	25.84	22.92	57.94	61.95	39.97	41.89	126.76	97.91	67.25	83.36
35.8	32.36	26.47	20.91	22.58	49.05	53.27	34.11	34.98	110.83	83.16	57.14	72.47
35.9	47.71	32.20	24.77	35.02	67.22	72.48	46.57	45.99	153.50	113.78	77.42	100.03
36	39.91	37.93	28.01	28.83	66.76	67.91	44.89	47.38	144.13	111.65	75.65	94.51
36.1	25.98	13.97	12.24	19.97	33.95	38.22	24.05	23.09	81.28	58.00	39.77	52.67
36.2	34.73	31.95	23.43	26.46	58.41	58.16	38.86	40.92	125.54	97.27	65.45	82.20
36.3	35.96	38.09	26.94	26.91	65.00	62.90	42.63	45.97	135.78	107.63	72.17	89.20
36.4	30.68	32.28	24.96	21.69	53.97	55.64	36.54	39.47	116.80	90.51	61.87	76.67
36.5	40.10	41.34	29.22	29.70	71.04	69.32	46.79	50.13	149.15	117.83	79.09	97.97
36.6	27.64	27.00	20.44	19.48	46.48	48.08	31.52	33.46	101.02	78.00	53.18	66.27
36.7	10.73	6.91	8.82	8.82	15.73	19.55	11.76	12.28	40.65	27.49	19.77	26.20
36.8	35.03	30.04	20.09	25.81	55.85	55.12	36.99	37.97	118.89	92.83	61.97	77.94
36.9	27.72	26.65	20.07	20.07	46.72	47.79	31.50	33.40	101.26	78.22	53.14	66.38
37	35.30	31.60	25.17	25.16	56.75	60.47	39.07	40.96	126.59	95.83	65.75	82.83
37.1	20.37	13.94	13.66	11.94	25.88	34.03	19.97	19.77	65.73	45.85	33.21	42.85
37.2	9.67	8.27	8.97	8.97	17.23	18.64	11.96	13.10	40.71	29.19	20.31	26.33
37.3	10.39	15.76	13.08	7.47	23.23	23.46	15.57	18.15	49.09	38.80	26.80	32.33
37.4	8.09	0.00	4.05	4.05	4.05	12.14	5.40	4.05	20.24	9.44	8.54	12.82
37.5	39.75	41.38	28.64	28.64	70.02	68.39	46.14	49.33	146.36	116.16	77.96	96.25
37.6	6.33	5.66	5.99	5.99	11.65	12.32	7.99	8.82	27.14	19.64	13.59	17.56
37.7	28.75	29.07	21.45	21.52	50.59	50.20	33.60	36.02	107.75	84.19	56.80	70.67
37.8	49.62	41.02	27.39	34.87	75.89	77.02	50.97	51.64	163.53	126.86	85.17	107.25
37.9	6.04	4.29	5.16	5.16	9.45	11.20	6.89	7.31	23.68	16.34	11.62	15.28
38	37.06	37.89	27.21	27.82	65.71	64.27	43.33	46.46	138.55	109.03	73.26	90.94
38.1	34.09	38.32	27.01	24.92	63.24	61.10	41.45	45.12	131.14	104.68	70.30	86.29
38.2	10.02	7.39	5.67	8.70	16.09	15.69	10.60	10.88	35.28	26.69	17.75	22.94
38.3	19.95	22.29	14.70	15.60	37.89	34.65	24.18	26.30	76.55	62.08	41.01	50.37

38.4	27.92	33.25	21.71	22.19	55.44	49.63	35.02	38.58	110.39	90.46	59.55	72.71
38.5	22.25	18.69	15.84	15.57	34.25	38.09	24.12	25.05	78.71	58.37	40.50	51.41
38.6	19.70	27.62	20.39	14.67	42.29	40.08	27.46	31.34	86.09	69.75	47.06	56.77
38.7	15.24	31.31	23.27	14.69	45.99	38.51	28.17	34.63	87.83	74.16	49.10	58.00
38.8	20.98	24.05	18.59	17.41	41.45	39.58	27.01	30.02	87.01	68.46	46.02	57.01
38.9	29.82	32.54	23.72	24.98	57.52	53.55	37.02	40.62	119.15	94.54	62.90	78.09
39	66.89	59.26	39.61	45.18	104.44	106.50	70.31	72.02	223.70	174.75	117.76	147.01
39.1	27.03	26.81	19.57	19.24	46.05	46.60	30.88	32.81	98.65	76.93	52.11	64.77
39.2	22.72	27.83	22.00	15.89	43.72	44.72	29.48	32.86	93.48	73.20	50.26	61.48
39.3	22.64	19.64	15.09	16.51	36.16	37.73	24.63	25.62	79.87	60.79	41.38	52.25
39.4	27.53	27.31	20.32	21.31	48.62	47.85	32.16	34.47	103.62	80.77	54.36	67.89
39.5	30.32	13.78	15.69	18.34	32.12	46.01	26.04	23.91	88.26	58.17	42.69	57.15
39.6	5.76	17.28	11.52	2.88	20.16	17.28	12.48	15.84	35.99	32.63	21.92	24.24
39.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.9	22.42	24.76	23.59	11.21	35.97	46.01	27.33	29.78	87.00	63.30	46.37	57.17
40	3.26	0.00	1.63	1.63	1.63	4.89	2.17	1.63	8.15	3.81	3.44	5.16
40.1	5.59	0.00	2.79	2.79	2.79	8.38	3.72	2.79	13.97	6.52	5.90	8.85
40.2	25.12	17.01	15.51	15.33	32.34	40.63	24.32	23.93	79.89	56.66	40.40	52.10
40.3	39.27	39.20	29.94	28.28	67.47	69.21	45.56	48.71	146.19	113.03	76.98	95.88
40.4	24.89	24.78	18.42	18.42	43.20	43.31	28.84	30.81	92.54	72.03	48.72	60.69
40.5	25.17	17.92	16.82	17.37	35.28	41.99	25.76	26.05	85.40	61.04	43.02	55.58
40.6	16.49	17.79	12.50	12.50	30.29	29.00	19.76	21.40	62.90	50.05	33.48	41.33
40.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.8	7.97	5.10	6.54	6.54	11.64	14.51	8.71	9.09	30.13	20.35	14.65	19.42
40.9	5.86	11.40	8.63	5.98	17.38	14.49	10.62	13.01	33.47	28.00	18.50	22.05
41	28.46	26.09	19.79	20.41	46.51	48.25	31.59	33.15	101.82	78.09	53.16	66.70
41.1	24.98	20.47	17.75	18.07	38.54	42.73	27.09	28.15	88.95	65.64	45.51	58.02
41.2	23.24	26.56	19.18	19.18	45.74	42.42	29.39	32.46	94.05	75.12	50.00	61.72
41.3	40.23	35.75	25.30	29.23	64.98	65.53	43.50	45.14	139.89	108.48	73.05	91.70
41.4	8.16	5.25	6.71	6.71	11.96	14.86	8.94	9.33	30.90	20.90	15.03	19.92
41.5	13.58	9.60	8.39	8.39	17.99	21.97	13.32	13.19	43.55	31.31	22.15	28.43
41.6	12.26	0.00	6.13	6.13	6.13	18.39	8.17	6.13	30.65	14.31	12.94	19.41
41.7	19.45	16.13	13.56	13.56	29.69	33.00	20.90	21.62	68.18	50.59	35.07	44.54
41.8	12.87	22.40	17.63	9.97	32.36	30.50	20.96	25.00	65.47	53.32	36.27	43.21
41.9	7.60	0.00	3.80	3.80	3.80	11.39	5.06	3.80	18.99	8.86	8.02	12.03
42	14.32	0.00	7.16	7.16	7.16	21.48	9.55	7.16	35.80	16.71	15.12	22.68
42.1	5.06	3.36	4.21	4.21	7.57	9.28	5.61	5.89	19.38	13.18	9.45	12.49
42.2	7.21	3.29	5.25	5.25	8.54	12.46	7.00	6.89	24.60	15.53	11.63	15.80
42.3	11.15	0.00	5.58	5.58	5.58	16.73	7.43	5.58	27.88	13.01	11.77	17.66
42.4	7.23	0.00	3.61	3.61	3.61	10.84	4.82	3.61	18.07	8.43	7.63	11.44
42.5	18.37	0.00	9.18	9.18	9.18	27.55	12.25	9.18	45.92	21.43	19.39	29.08
42.6	40.61	32.69	27.07	25.10	57.79	67.68	41.82	42.43	135.20	99.61	69.90	88.51

42.7	10.73	9.25	9.99	5.36	14.61	20.72	11.78	12.30	38.38	26.38	19.80	25.08
42.8	22.19	30.58	22.01	15.86	46.44	44.20	30.21	34.22	94.28	76.65	51.69	62.25
42.9	7.47	4.18	5.83	5.83	10.01	13.29	7.77	7.92	27.04	17.78	13.00	17.40
43	8.14	5.45	6.80	6.80	12.25	14.94	9.06	9.52	31.25	21.31	15.25	20.16
43.1	28.02	13.84	11.10	20.93	34.77	39.12	24.63	22.93	82.98	59.39	40.48	53.80
43.2	7.65	6.25	6.95	6.95	13.20	14.61	9.27	10.08	31.63	22.47	15.72	20.45
43.3	34.00	39.97	26.52	27.36	67.34	60.52	42.62	46.93	134.82	109.96	72.47	88.72
43.4	50.75	21.91	14.42	36.33	58.23	65.17	41.13	36.33	137.82	99.37	66.95	89.48
43.5	14.46	24.96	19.71	9.66	34.62	34.17	22.93	27.16	70.99	57.55	39.62	46.96
43.6	36.26	14.93	10.67	25.60	40.53	46.93	29.15	25.60	98.12	69.68	47.40	63.63
43.7	5.38	0.00	2.69	2.69	2.69	8.07	3.59	2.69	13.45	6.28	5.68	8.52
43.8	3.21	4.27	3.74	3.74	8.02	6.96	4.99	5.88	16.58	13.01	8.61	10.78
43.9	2.94	5.42	4.18	4.18	9.59	7.11	5.57	6.89	18.17	15.16	9.72	11.87
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.1	9.27	7.54	8.41	8.41	15.95	17.68	11.21	12.18	38.27	27.16	19.01	24.74
44.2	10.33	6.14	8.24	8.24	14.38	18.57	10.98	11.31	38.12	25.36	18.41	24.55
44.3	8.39	6.98	7.68	7.68	14.66	16.07	10.25	11.17	34.93	24.91	17.38	22.59
44.4	33.16	28.48	21.91	23.44	51.92	55.07	35.66	36.92	115.43	87.59	59.86	75.54
44.5	24.90	7.46	8.72	16.18	23.65	33.62	19.09	16.18	65.98	42.73	30.84	42.53
44.6	43.74	39.64	32.28	26.57	66.22	76.02	47.41	49.25	151.85	113.63	79.63	99.63
44.7	43.58	41.07	29.87	34.32	75.39	73.46	49.62	52.63	160.41	125.01	83.70	105.01
44.8	33.86	11.30	11.28	22.58	33.88	45.14	26.34	22.58	90.30	60.22	42.65	58.32
44.9	42.44	40.75	28.72	30.53	71.28	71.16	47.48	50.00	151.69	118.76	79.97	99.59
45	37.37	37.00	27.07	27.98	64.99	64.44	43.14	46.03	138.45	108.13	72.87	90.80
45.1	17.02	8.30	7.87	12.66	20.96	24.88	15.28	14.41	51.95	36.24	25.18	33.62
45.2	19.17	17.46	12.54	14.56	32.02	31.71	21.24	22.28	68.55	53.26	35.75	44.90
45.3	21.17	13.85	9.61	17.51	31.36	30.78	20.71	20.49	68.78	52.08	34.45	44.75
45.4	3.36	3.20	3.28	3.28	6.47	6.64	4.37	4.88	14.79	10.85	7.45	9.58
45.5	11.39	9.19	6.59	10.29	19.48	17.98	12.48	13.03	41.30	31.96	20.99	26.89
45.6	17.15	37.06	27.11	10.97	48.03	44.25	30.76	37.57	92.79	78.80	53.54	61.78
45.7	27.71	15.05	12.78	21.38	36.44	40.49	25.64	24.61	86.48	62.08	42.39	56.06
45.8	21.78	25.77	19.25	15.79	41.56	41.03	27.53	30.40	87.22	69.08	46.84	57.37
45.9	37.89	37.16	26.10	26.68	63.84	63.99	42.61	44.97	135.64	106.45	71.80	89.12
46	38.46	33.14	24.77	27.72	60.85	63.23	41.36	42.81	133.75	102.21	69.42	87.56
46.1	28.62	18.47	16.93	17.62	36.08	45.55	27.21	26.50	89.67	63.29	45.11	58.44
46.2	46.43	30.72	27.76	31.75	62.47	74.19	45.55	45.12	151.06	108.03	75.78	98.31
46.3	36.07	29.58	18.37	32.82	62.41	54.44	38.95	40.39	127.66	101.35	65.40	83.30
46.4	73.04	81.88	54.29	48.10	129.98	127.33	85.77	92.14	267.57	215.75	145.07	176.67
46.5	28.78	31.69	23.40	24.12	55.81	52.17	35.99	39.60	115.89	91.80	61.19	75.94
46.6	41.85	45.73	32.92	30.59	76.31	74.77	50.36	54.61	159.97	126.67	85.35	105.17
46.7	43.63	31.25	20.42	30.33	61.58	64.05	41.88	41.00	135.38	103.45	69.50	88.63
46.8	29.93	14.99	9.56	22.46	37.45	39.49	25.65	23.50	85.45	63.09	42.03	55.55
46.9	37.70	51.30	36.35	26.66	77.96	74.05	50.67	57.16	157.86	128.63	86.61	104.27

47	30.39	29.14	21.85	22.34	51.48	52.23	34.57	36.66	111.23	86.05	58.32	72.90
47.1	25.07	20.04	15.87	18.48	38.52	40.95	26.49	27.19	86.62	65.00	44.38	56.55
47.2	20.37	13.72	10.33	17.05	30.76	30.70	20.49	20.55	68.29	51.25	34.17	44.39
47.3	25.50	20.53	14.52	23.02	43.55	40.02	27.86	29.04	92.07	71.41	46.82	59.96
47.4	30.51	12.13	9.19	21.32	33.45	39.70	24.38	21.32	82.34	57.84	39.62	53.36
47.5	28.61	30.15	22.19	20.77	50.91	50.81	33.91	36.55	108.13	84.82	57.39	71.02
47.6	34.72	37.97	27.41	24.57	62.54	62.12	41.56	44.97	131.67	104.10	70.40	86.61
47.7	30.71	16.48	12.89	20.71	37.19	43.60	26.93	25.04	89.35	64.12	44.25	58.14
47.8	27.42	31.14	20.01	21.74	52.88	47.43	33.43	36.44	105.61	86.31	56.73	69.52
47.9	33.78	12.62	10.58	23.20	35.81	44.36	26.73	23.20	90.76	62.54	43.37	58.74
48	36.18	31.96	23.67	25.36	57.32	59.86	39.06	40.49	125.71	96.37	65.58	82.38
48.1	9.95	6.20	8.07	8.07	14.27	18.03	10.77	11.17	37.27	25.04	18.08	24.02
48.2	42.89	22.94	17.16	32.92	55.86	60.05	38.64	36.51	129.48	94.50	63.69	84.06
48.3	26.49	15.13	12.82	20.81	35.94	39.31	25.09	24.38	84.51	61.03	41.58	54.80
48.4	21.24	16.78	13.14	15.47	32.24	34.38	22.21	22.69	72.53	54.45	37.17	47.37
48.5	38.37	31.71	25.30	26.24	57.95	63.67	40.54	41.62	131.54	98.49	67.93	86.04
48.6	28.20	23.25	17.97	17.97	41.22	46.17	29.13	29.60	93.74	70.35	48.71	61.44
48.7	46.72	31.62	20.90	34.24	65.86	67.63	44.49	43.38	145.24	110.35	73.79	94.87
48.8	32.01	27.50	22.09	23.13	50.63	54.09	34.91	36.36	113.58	85.54	58.66	74.24
48.9	38.35	33.42	25.95	28.33	61.75	64.29	42.01	43.85	136.47	103.77	70.63	89.24
49	49.78	33.91	25.35	33.13	67.04	75.13	47.39	46.20	154.46	114.43	78.59	100.93
49.1	14.76	12.69	9.49	9.49	22.18	24.25	15.48	15.84	49.59	37.66	25.92	32.53
49.2	21.54	24.82	17.87	13.42	38.25	39.41	25.88	28.06	80.89	64.13	43.86	53.38
49.3	26.27	25.25	15.05	18.49	43.74	41.32	28.35	29.39	89.20	72.09	47.60	58.78
49.4	13.63	15.54	10.90	8.66	24.20	24.53	16.25	17.55	50.74	40.45	27.51	33.49
49.5	5.69	0.00	2.85	2.85	2.85	8.54	3.80	2.85	14.24	6.64	6.01	9.02
49.6	12.88	29.51	21.20	11.01	40.52	34.08	24.87	30.86	75.94	65.39	43.44	50.41
49.7	25.05	32.39	28.72	20.30	52.69	53.76	35.48	40.70	114.77	88.17	60.88	75.13
49.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.9	9.73	0.00	4.87	4.87	4.87	14.60	6.49	4.87	24.33	11.36	10.27	15.41
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.1	2.98	0.00	1.49	1.49	1.49	4.47	1.99	1.49	7.45	3.48	3.15	4.72
50.2	3.54	6.00	4.77	4.77	10.78	8.31	6.36	7.77	20.85	17.14	11.07	13.61
50.3	35.42	44.79	29.48	23.02	67.81	64.90	44.24	48.65	136.56	112.05	75.20	90.40
50.4	13.04	6.52	3.26	9.78	16.30	16.30	10.86	9.78	35.85	27.16	17.75	23.36
50.5	7.00	11.44	9.22	4.93	16.37	16.21	10.86	12.80	33.94	27.23	18.75	22.40
50.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.7	4.48	0.00	2.24	2.24	2.24	6.71	2.98	2.24	11.19	5.22	4.72	7.09
50.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.9	6.65	0.00	3.33	3.33	3.33	9.98	4.43	3.33	16.63	7.76	7.02	10.53
51	7.18	0.00	3.59	3.59	3.59	10.76	4.78	3.59	17.94	8.37	7.58	11.36
51.1	5.47	0.00	2.74	2.74	2.74	8.21	3.65	2.74	13.68	6.38	5.78	8.66
51.2	3.47	0.00	1.74	1.74	1.74	5.21	2.31	1.74	8.68	4.05	3.66	5.50

51.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54.8	6.35	0.00	3.18	3.18	3.18	9.53	4.24	3.18	15.89	7.41	6.71	10.06
54.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

55.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.3	4.34	0.00	2.17	2.17	2.17	6.50	2.89	2.17	10.84	5.06	4.58	6.87
56.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.5	3.75	0.00	1.87	1.87	1.87	5.62	2.50	1.87	9.36	4.37	3.95	5.93
56.6	37.31	41.97	25.65	25.65	67.62	62.96	43.53	46.64	135.25	111.15	73.58	89.39
56.7	8.80	4.40	2.20	6.60	11.00	11.00	7.33	6.60	24.20	18.33	11.98	15.77
56.8	26.07	25.22	19.03	19.51	44.73	45.10	29.94	31.88	96.50	74.68	50.55	63.22
56.9	3.83	5.10	4.47	4.47	9.57	8.29	5.96	7.02	19.78	15.53	10.28	12.87
57	13.12	8.98	11.05	11.05	20.04	24.17	14.74	15.54	50.77	34.77	24.83	32.75
57.1	2.40	0.00	1.20	1.20	1.20	3.60	1.60	1.20	6.00	2.80	2.53	3.80
57.2	27.04	29.34	22.12	21.97	51.31	49.16	33.49	36.72	107.84	84.80	56.89	70.67
57.3	29.11	33.34	24.21	21.97	55.31	53.32	36.21	39.76	115.04	91.52	61.53	75.63
57.4	30.53	33.39	24.31	23.35	56.74	54.84	37.19	40.53	118.72	93.94	63.10	77.96
57.5	35.98	56.73	35.74	29.63	86.36	71.71	52.69	61.05	162.39	139.05	90.60	107.54
57.6	31.05	28.12	20.21	20.21	48.34	51.26	33.20	34.28	105.75	81.54	55.69	69.48
57.7	38.94	45.65	32.56	29.18	74.84	71.49	48.78	53.70	154.37	123.61	82.93	101.57
57.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.9	15.47	8.91	12.19	12.19	21.09	27.65	16.25	16.64	56.48	37.34	27.21	36.36
58	75.42	94.03	65.75	56.30	150.33	141.16	97.16	108.04	305.50	247.50	165.57	201.33
58.1	14.02	6.65	5.01	10.33	16.98	19.02	12.00	10.99	40.35	28.98	19.67	26.18
58.2	21.60	12.69	11.50	13.63	26.32	33.10	19.81	18.91	65.63	46.12	32.71	42.72
58.3	15.03	5.59	4.72	10.31	15.90	19.75	11.88	10.31	40.37	27.79	19.28	26.13
58.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59.1	17.79	14.83	9.71	12.20	27.03	27.51	18.18	18.37	58.07	45.21	30.36	38.13
59.2	37.81	32.37	23.75	30.82	63.19	61.56	41.58	43.47	135.86	104.77	69.94	88.72
59.3	28.03	26.32	19.91	17.65	43.97	47.94	30.64	31.94	97.52	74.61	51.49	64.08
59.4	25.52	22.65	17.84	17.67	40.31	43.36	27.89	29.08	90.11	68.21	46.88	59.00
59.5	41.05	34.36	23.93	31.33	65.69	64.98	43.56	44.81	141.12	109.25	73.01	92.34
59.6	20.36	21.00	15.41	20.68	41.67	35.76	25.81	28.54	84.98	67.48	43.93	55.40
59.7	7.69	0.00	3.84	3.84	3.84	11.53	5.12	3.84	19.22	8.97	8.11	12.17
59.8	29.21	19.56	17.35	18.12	37.68	46.56	28.08	27.52	92.20	65.77	46.62	60.14

59.9	32.35	33.42	22.28	27.95	61.36	54.63	38.66	41.82	124.39	100.03	65.49	81.53
60	34.29	25.61	21.15	21.55	47.16	55.45	34.20	34.16	111.15	81.36	56.99	72.68
60.1	24.54	18.14	15.92	17.35	35.49	40.46	25.32	25.70	83.51	60.80	42.32	54.41
60.2	15.69	6.58	11.13	11.13	17.71	26.82	14.84	14.42	52.37	32.55	24.60	33.61
60.3	40.14	31.56	21.44	27.27	58.84	61.58	40.14	40.14	128.99	98.97	66.90	84.56
60.4	29.74	14.64	16.06	17.94	32.57	45.80	26.12	24.31	88.05	58.70	42.94	57.09
60.5	16.39	24.49	20.44	12.60	37.09	36.82	24.64	28.76	78.19	61.73	42.44	51.42
60.6	31.85	31.58	23.13	20.22	51.80	54.97	35.59	37.46	112.65	87.39	59.94	74.12
60.7	36.31	40.09	33.41	32.01	72.10	69.72	47.27	52.75	154.48	119.38	80.62	100.88
60.8	9.58	5.17	7.37	7.37	12.55	16.95	9.83	9.96	34.29	22.38	16.43	22.06
60.9	16.49	25.66	21.08	15.71	41.37	37.57	26.32	31.23	84.51	67.69	45.50	55.41
61	36.19	23.73	20.38	22.89	46.62	56.56	34.39	33.50	112.95	81.01	57.03	73.67
61.1	4.78	9.91	7.35	2.39	12.30	12.13	8.14	9.82	24.35	20.45	14.13	16.24
61.2	9.24	8.56	8.90	4.62	13.18	18.14	10.44	11.04	33.80	23.62	17.60	22.12
61.3	8.04	8.03	8.03	4.02	12.05	16.07	9.37	10.04	30.13	21.42	15.84	19.75
61.4	9.64	0.00	4.82	4.82	4.82	14.46	6.43	4.82	24.10	11.25	10.18	15.27
61.5	5.20	5.56	5.38	2.60	8.16	10.58	6.25	6.77	19.95	14.41	10.59	13.10
61.6	19.41	15.58	17.50	12.99	28.57	36.90	21.83	23.04	72.93	50.40	36.78	47.38
61.7	23.00	20.53	16.98	15.26	35.79	39.98	25.26	26.38	81.62	61.04	42.47	53.44
61.8	9.48	8.50	6.14	6.17	14.67	15.63	10.10	10.41	32.21	24.77	16.94	21.15
61.9	2.86	0.00	1.43	1.43	1.43	4.29	1.91	1.43	7.14	3.33	3.02	4.52
62	23.86	10.35	6.76	17.10	27.45	30.62	19.36	17.10	64.82	46.81	31.51	42.09
62.1	4.73	0.00	2.37	2.37	2.37	7.10	3.15	2.37	11.83	5.52	4.99	7.49
62.2	15.43	6.78	11.10	11.10	17.88	26.53	14.81	14.49	52.13	32.69	24.57	33.47
62.3	20.63	12.43	10.10	16.53	28.96	30.74	19.90	19.53	66.80	48.86	33.04	43.35
62.4	24.42	7.31	8.55	15.86	23.17	32.97	18.71	15.86	64.70	41.89	30.24	41.71
62.5	40.50	20.63	22.63	24.22	44.86	63.13	36.00	33.74	121.10	80.85	59.24	78.55
62.6	24.63	9.24	7.70	16.93	26.17	32.32	19.50	16.93	66.19	45.66	31.64	42.84
62.7	27.41	24.27	16.70	18.28	42.55	44.11	28.89	29.62	92.01	71.44	48.39	60.45
62.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	5.07	15.21	10.14	2.53	17.74	15.21	10.98	13.94	31.68	28.72	19.29	21.33
63.1	5.64	16.91	11.28	2.82	19.73	16.91	12.21	15.50	35.24	31.95	21.45	23.73
63.2	19.47	22.65	15.37	12.58	35.23	34.84	23.35	25.30	72.71	58.58	39.57	48.03
63.3	5.89	17.68	11.78	2.95	20.62	17.68	12.77	16.20	36.83	33.39	22.42	24.80
63.4	6.39	19.16	12.77	3.19	22.35	19.16	13.84	17.56	39.91	36.18	24.30	26.87
63.5	11.13	27.73	19.43	8.40	36.13	30.56	22.23	27.78	66.75	58.36	38.90	44.49
63.6	4.76	11.59	8.18	3.73	15.32	12.94	9.42	11.75	28.41	24.73	16.47	18.91
63.7	14.16	15.93	9.73	9.73	25.66	23.89	16.52	17.70	51.32	42.18	27.92	33.92
63.8	33.28	35.09	21.24	23.12	58.21	54.52	37.57	39.72	117.35	95.78	63.34	77.46
63.9	3.47	10.42	6.94	1.74	12.15	10.42	7.52	9.55	21.70	19.68	13.21	14.61
64	13.25	13.56	11.06	7.80	21.36	24.30	15.22	16.21	48.31	36.58	25.70	31.76
64.1	19.00	32.05	20.53	11.99	44.04	39.53	27.86	32.29	83.81	71.89	47.90	55.83

64.2	7.22	21.67	14.45	3.61	25.29	21.67	15.65	19.87	45.15	40.94	27.49	30.40
64.3	6.33	18.99	12.66	3.16	22.15	18.99	13.71	17.41	39.56	35.87	24.09	26.64
64.4	36.70	31.76	22.44	24.24	56.00	59.14	38.38	39.22	122.60	94.38	64.25	80.49
64.5	35.58	42.14	30.63	21.90	64.04	66.21	43.42	47.34	135.45	107.46	73.67	89.43
64.6	10.22	19.96	15.09	5.11	25.07	25.31	16.79	20.08	50.50	41.86	29.08	33.64
64.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	8.77	13.16	10.96	10.96	24.12	19.74	14.62	17.54	48.24	38.74	25.34	31.43
65.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.3	35.49	38.77	28.75	26.24	65.01	64.24	43.08	46.88	137.36	108.09	73.07	90.22
65.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.6	15.81	4.92	5.44	10.36	15.29	21.25	12.18	10.36	41.98	27.47	19.69	27.08
65.7	10.58	5.13	7.86	5.29	10.42	18.44	9.62	9.14	32.87	20.04	15.87	21.24
65.8	5.47	0.00	2.73	2.73	2.73	8.20	3.65	2.73	13.67	6.38	5.77	8.66
65.9	3.74	0.00	1.87	1.87	1.87	5.61	2.49	1.87	9.34	4.36	3.95	5.92
66	7.11	11.04	9.08	3.56	14.60	16.19	10.26	11.84	31.59	24.87	17.63	20.93
66.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.2	7.55	22.66	15.11	3.78	26.44	22.66	16.37	20.77	47.21	42.80	28.74	31.79
66.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.4	11.54	34.61	23.07	5.77	40.38	34.61	24.99	31.72	72.10	65.37	43.90	48.55
66.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66.6	3.28	0.00	1.64	1.64	1.64	4.92	2.19	1.64	8.20	3.82	3.46	5.19
66.7	6.46	2.42	2.02	4.44	6.87	8.48	5.12	4.44	17.37	11.99	8.30	11.24
66.8	10.35	6.59	4.95	8.47	15.05	15.30	10.12	10.00	33.77	25.17	16.82	21.94
66.9	7.72	0.00	3.86	3.86	3.86	11.58	5.15	3.86	19.30	9.01	8.15	12.23
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.2	4.58	13.74	9.16	2.29	16.04	13.74	9.93	12.60	28.64	25.96	17.44	19.28
67.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	1.60	0.00	0.80	0.80	0.80	2.41	1.07	0.80	4.01	1.87	1.69	2.54
67.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.7	15.90	25.12	16.00	10.21	35.33	31.90	22.41	25.66	67.76	57.74	38.43	45.09
67.8	9.31	12.83	8.05	6.17	19.00	17.36	12.12	13.53	37.05	31.12	20.67	24.59
67.9	8.35	25.06	16.70	4.18	29.23	25.06	18.10	22.97	52.20	47.33	31.79	35.15
68	7.39	33.04	20.22	9.13	42.17	27.61	23.26	31.19	67.93	65.43	41.41	45.59
68.1	48.51	35.79	28.22	31.22	67.01	76.73	47.92	47.62	155.57	114.93	79.76	101.74
68.2	18.10	29.65	18.95	11.52	41.17	37.05	26.07	30.06	78.62	67.24	44.78	52.34
68.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.4	30.72	34.56	21.12	21.12	55.68	51.84	35.84	38.40	111.36	91.52	60.59	73.60

68.5	4.28	12.84	8.56	2.14	14.98	12.84	9.27	11.77	26.74	24.25	16.28	18.01
68.6	5.30	15.89	10.60	2.65	18.54	15.89	11.48	14.57	33.11	30.02	20.16	22.29
68.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68.8	17.91	23.22	14.46	12.00	35.22	32.37	22.53	24.84	69.21	57.75	38.32	45.87
68.9	6.89	20.67	13.78	3.45	24.12	20.67	14.93	18.95	43.07	39.05	26.22	29.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.2	35.55	33.09	21.68	24.10	57.19	57.23	38.14	39.43	120.76	95.33	64.00	79.45
69.3	5.37	16.10	10.73	2.68	18.78	16.10	11.63	14.76	33.54	30.41	20.42	22.58
69.4	15.57	19.27	13.16	12.99	32.26	28.73	20.33	22.71	64.44	52.59	34.68	42.39
69.5	11.52	22.96	14.92	6.92	29.88	26.44	18.77	22.40	55.76	48.65	32.50	37.27
69.6	7.46	22.38	14.92	3.73	26.10	22.38	16.16	20.51	46.61	42.26	28.38	31.39
69.7	11.41	16.47	10.39	7.48	23.96	21.80	15.25	17.17	46.46	39.21	26.06	30.86
69.8	21.76	24.35	14.87	14.97	39.32	36.63	25.32	27.10	78.70	64.64	42.79	52.01
69.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.1	5.11	0.00	2.55	2.55	2.55	7.66	3.40	2.55	12.76	5.96	5.39	8.08
70.2	5.75	0.00	2.87	2.87	2.87	8.62	3.83	2.87	14.37	6.71	6.07	9.10
70.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.4	14.20	12.11	9.12	9.12	21.23	23.33	14.85	15.18	47.62	36.08	24.86	31.24
70.5	20.62	23.20	14.18	14.18	37.37	34.79	24.05	25.77	74.74	61.43	40.66	49.40
70.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

72.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	2.88	0.00	1.44	1.44	1.44	4.32	1.92	1.44	7.20	3.36	3.04	4.56
73.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.2	2.10	6.29	4.19	1.05	7.34	6.29	4.54	5.77	13.11	11.88	7.98	8.83
73.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.6	26.32	34.01	22.38	20.05	54.06	48.70	34.25	38.22	106.97	88.31	58.41	70.61
73.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.1	5.64	16.93	11.29	2.82	19.75	16.93	12.23	15.52	35.27	31.98	21.48	23.75
74.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.3	22.57	8.46	7.05	15.52	23.98	29.62	17.87	15.52	60.65	41.84	28.99	39.26
74.4	35.43	39.86	24.36	24.36	64.21	59.78	41.33	44.28	128.42	105.54	69.87	84.88
74.5	10.39	19.76	15.08	15.08	34.84	25.47	20.10	24.96	65.50	54.94	35.12	42.80
74.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.7	22.81	28.49	19.93	19.93	48.43	42.74	30.39	34.18	96.86	78.82	51.91	63.62
74.8	40.19	50.59	35.10	37.10	87.69	75.29	54.33	61.39	173.78	142.01	92.90	114.05
74.9	20.09	22.23	16.39	16.81	39.05	36.48	25.17	27.72	81.01	64.22	42.81	53.09
75	32.06	18.84	16.68	25.45	44.29	48.74	31.01	30.49	104.68	75.30	51.51	67.85
75.1	4.34	6.08	5.21	5.21	11.30	9.55	6.95	8.25	23.02	18.25	12.02	14.99
75.2	28.76	27.42	20.57	22.36	49.78	49.34	33.04	35.18	106.87	82.82	55.78	69.96
75.3	38.69	35.52	25.17	28.42	63.94	63.85	42.60	44.55	136.83	106.54	71.65	89.72
75.4	26.53	22.85	14.18	20.61	43.46	40.71	28.06	28.82	90.13	71.52	47.01	59.09
75.5	20.90	10.45	5.23	15.68	26.13	26.13	17.42	15.68	57.48	43.54	28.45	37.45
75.6	18.93	15.57	12.50	11.84	27.40	31.43	19.61	19.95	63.22	47.01	32.80	41.42
75.7	24.78	20.97	16.31	15.68	36.64	41.09	25.91	26.48	83.25	62.56	43.38	54.58
75.8	19.96	7.41	6.27	13.68	21.09	26.23	15.78	13.68	53.60	36.87	25.60	34.69
75.9	12.42	24.36	18.39	8.49	32.86	30.81	21.22	25.62	64.93	54.08	36.84	43.08
76	2.92	4.37	3.65	3.65	8.02	6.56	4.86	5.83	16.04	12.88	8.42	10.45
76.1	8.03	4.01	2.01	6.02	10.03	10.03	6.69	6.02	22.08	16.72	10.93	14.38
76.2	18.27	13.19	8.63	15.73	28.92	26.89	18.61	18.78	61.40	47.53	31.07	40.00
76.3	30.48	32.87	22.97	19.59	52.47	53.45	35.30	37.72	110.76	87.77	59.64	73.03
76.4	31.21	36.95	24.21	24.21	61.16	55.42	38.86	42.69	122.33	100.02	66.05	80.59
76.5	4.01	0.00	2.00	2.00	2.00	6.01	2.67	2.00	10.02	4.68	4.23	6.35
76.6	3.13	0.00	1.57	1.57	1.57	4.70	2.09	1.57	7.84	3.66	3.31	4.96
76.7	8.47	12.69	10.58	5.83	18.52	19.05	12.52	14.55	39.43	31.04	21.55	25.97
76.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76.9	22.58	20.88	16.09	14.11	34.99	38.67	24.55	25.54	78.32	59.54	41.25	51.44
77	26.76	28.23	21.76	20.64	48.87	48.52	32.46	35.32	104.47	81.33	55.06	68.47

77.1	16.48	22.25	15.48	10.18	32.43	31.96	21.46	23.96	66.10	53.90	36.60	43.78
77.2	30.31	22.30	17.10	22.14	44.45	47.41	30.62	30.77	100.33	75.06	51.08	65.47
77.3	4.89	6.14	5.52	5.52	11.66	10.40	7.35	8.59	24.51	19.01	12.67	15.93
77.4	4.48	4.52	4.50	4.50	9.01	8.98	6.00	6.76	20.23	15.01	10.25	13.11
77.5	32.35	30.30	22.54	23.53	53.83	54.88	36.24	38.19	116.60	90.07	61.05	76.42
77.6	23.71	12.33	11.01	18.02	30.35	34.72	21.69	20.68	73.42	52.04	35.81	47.55
77.7	6.13	6.13	6.13	6.13	12.26	12.26	8.18	9.20	27.60	20.44	13.97	17.89
77.8	10.44	13.82	9.68	9.68	23.50	20.12	14.54	16.59	46.38	38.04	24.91	30.46
77.9	4.36	6.54	5.45	5.45	11.98	9.81	7.26	8.72	23.97	19.25	12.59	15.62
78	6.93	6.36	6.64	3.46	9.82	13.57	7.80	8.23	25.26	17.62	13.14	16.53
78.1	5.74	5.37	5.55	5.55	10.92	11.29	7.40	8.23	25.07	18.32	12.61	16.24
78.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.3	3.98	0.00	1.99	1.99	1.99	5.98	2.66	1.99	9.96	4.65	4.20	6.31
78.4	7.32	9.37	8.34	8.34	17.71	15.66	11.12	13.03	37.03	28.83	19.17	24.08
78.5	16.21	14.59	10.64	12.13	26.72	26.85	17.86	18.68	57.66	44.57	30.03	37.76
78.6	26.20	27.31	22.90	22.04	49.35	49.10	32.82	36.13	107.27	82.17	55.80	70.04
78.7	29.25	37.14	25.36	21.51	58.64	54.61	37.75	42.00	118.11	96.39	64.33	77.93
78.8	13.28	9.96	11.62	11.62	21.58	24.90	15.49	16.60	53.12	37.07	26.19	34.31
78.9	17.70	14.25	11.23	11.23	25.48	28.93	18.14	18.35	58.51	43.61	30.30	38.32
79	19.87	16.88	14.10	15.48	32.35	33.97	22.11	23.23	72.67	54.46	37.22	47.39
79.1	5.66	0.00	2.83	2.83	2.83	8.49	3.78	2.83	14.16	6.61	5.98	8.97
79.2	8.89	0.00	4.44	4.44	4.44	13.33	5.93	4.44	22.22	10.37	9.38	14.07
79.3	10.19	7.22	8.70	8.70	15.92	18.89	11.60	12.31	39.90	27.52	19.57	25.75
79.4	15.57	18.53	13.87	11.37	29.90	29.43	19.78	21.89	62.69	49.68	33.67	41.24
79.5	25.33	22.65	15.61	16.86	39.51	40.94	26.82	27.56	85.36	66.33	44.94	56.09
79.6	17.60	20.18	13.84	14.09	34.28	31.44	21.90	24.06	69.59	56.18	37.22	45.74
79.7	24.70	25.93	20.39	18.80	44.73	45.09	29.94	32.56	96.45	74.67	50.77	63.19
79.8	24.32	22.28	17.64	18.08	40.35	41.95	27.44	29.00	89.02	67.79	46.25	58.23
79.9	21.57	23.45	16.41	15.66	39.11	37.98	25.70	27.76	81.40	64.81	43.51	53.55
80	17.22	23.29	15.88	15.88	39.17	33.10	24.09	27.53	76.50	63.26	41.29	50.30
80.1	17.81	16.18	11.62	11.59	27.77	29.44	19.07	19.70	60.73	46.84	31.99	39.90
80.2	24.24	18.21	14.71	15.38	33.59	38.96	24.18	24.15	78.49	57.77	40.29	51.34
80.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

81.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.4	14.59	7.30	3.65	10.95	18.24	18.24	12.16	10.95	40.13	30.41	19.86	26.15
85.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

85.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.9	3.21	0.00	1.61	1.61	1.61	4.82	2.14	1.61	8.03	3.75	3.39	5.08
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.8	6.01	0.00	3.01	3.01	3.01	9.02	4.01	3.01	15.03	7.01	6.34	9.52
88.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	12.84	14.45	8.83	8.83	23.28	21.67	14.98	16.05	46.55	38.26	25.33	30.77
89.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.8	4.81	0.00	2.40	2.40	2.40	7.21	3.21	2.40	12.02	5.61	5.08	7.61
89.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

90	2.93	0.00	1.46	1.46	1.46	4.39	1.95	1.46	7.32	3.42	3.09	4.64
90.1	7.01	0.00	3.51	3.51	3.51	10.52	4.68	3.51	17.53	8.18	7.40	11.10
90.2	3.33	5.45	4.39	4.39	9.83	7.72	5.85	7.11	19.23	15.69	10.17	12.54
90.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.1	3.79	0.00	1.89	1.89	1.89	5.68	2.52	1.89	9.47	4.42	4.00	6.00
91.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.3	7.47	0.00	3.73	3.73	3.73	11.20	4.98	3.73	18.67	8.71	7.88	11.82
91.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.6	8.72	9.06	5.62	8.89	17.94	14.34	10.76	11.78	35.00	28.70	18.27	22.88
91.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91.8	1.85	0.00	0.93	0.93	0.93	2.78	1.24	0.93	4.63	2.16	1.96	2.93
91.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.1	4.97	2.49	1.24	3.73	6.22	6.22	4.14	3.73	13.68	10.36	6.77	8.91
92.2	35.47	21.63	19.31	22.35	43.98	54.78	32.92	31.65	108.77	76.90	54.44	70.85
92.3	38.36	9.91	14.22	24.13	34.05	52.58	28.87	24.13	100.84	62.92	46.54	64.86
92.4	42.14	38.42	30.74	31.47	69.89	72.88	47.59	50.31	154.66	117.48	80.22	101.13
92.5	31.58	23.46	19.68	19.71	43.17	51.26	31.48	31.42	102.40	74.65	52.45	66.94
92.6	24.41	27.36	16.71	16.79	44.15	41.12	28.43	30.43	88.35	72.58	48.05	58.39
92.7	53.01	53.63	41.16	40.02	93.65	94.17	62.61	67.40	201.60	156.26	105.94	132.10
92.8	52.95	48.09	37.87	40.86	88.95	90.82	59.92	63.41	195.09	148.87	101.03	127.50
92.9	23.83	28.51	17.57	16.21	44.72	41.40	28.71	31.15	88.76	73.43	48.66	58.74
93	48.03	30.90	27.89	29.80	60.70	75.93	45.54	44.30	150.03	106.24	75.49	97.78
93.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93.2	36.85	31.75	24.87	26.92	58.67	61.73	40.13	41.77	130.42	98.80	67.43	85.27
93.3	43.81	49.79	36.00	35.48	85.27	79.80	55.03	60.63	175.92	140.30	93.58	115.47
93.4	28.88	28.32	22.03	21.76	50.08	50.91	33.66	36.06	108.73	83.74	56.90	71.19
93.5	34.68	32.86	24.83	25.30	58.16	59.51	39.22	41.50	126.31	97.38	66.13	82.76
93.6	39.55	39.83	30.08	28.80	68.63	69.63	46.09	49.35	147.78	114.71	77.90	96.93
93.7	2.63	7.88	5.25	1.31	9.19	7.88	5.69	7.22	16.41	14.88	9.99	11.05
93.8	30.51	32.84	23.60	22.41	55.25	54.10	36.45	39.42	115.93	91.70	61.74	76.19
93.9	29.39	25.99	19.27	18.91	44.89	48.66	31.18	32.08	99.64	76.08	52.27	65.41
94	20.40	30.75	19.48	13.24	43.99	39.88	27.96	31.74	84.86	71.95	47.85	56.41
94.1	23.34	18.86	15.29	14.58	33.43	38.63	24.02	24.36	77.57	57.46	40.15	50.80
94.2	29.54	36.78	25.27	24.54	61.32	54.81	38.71	43.29	122.65	100.03	66.05	80.68

94.3	20.95	18.09	13.23	13.62	31.71	34.18	21.96	22.47	70.27	53.67	36.77	46.12
94.4	34.79	29.37	22.29	22.29	51.66	57.08	36.25	36.98	116.34	87.91	60.66	76.30
94.5	27.16	27.28	18.90	17.74	45.02	46.06	30.36	31.96	95.76	75.38	51.13	63.06
94.6	36.98	23.69	22.44	22.44	46.13	59.42	35.18	34.28	116.15	81.31	58.34	75.67
94.7	28.46	23.98	18.03	18.32	42.30	46.49	29.60	30.17	94.97	71.90	49.52	62.29
94.8	13.43	34.04	23.73	9.73	43.76	37.16	26.98	33.75	80.64	70.74	47.22	53.81
94.9	23.67	11.64	17.66	11.84	23.48	41.33	21.60	20.57	73.73	45.08	35.66	47.67
95	11.15	18.02	11.50	7.12	25.14	22.65	15.93	18.32	48.09	41.07	27.34	32.01
95.1	8.24	12.24	10.24	4.12	16.36	18.48	11.61	13.30	35.90	27.97	19.92	23.75
95.2	30.66	28.41	20.27	19.96	48.37	50.93	33.10	34.32	105.21	81.48	55.57	69.16
95.3	22.40	12.48	14.08	12.88	25.37	36.47	20.61	19.72	69.08	45.98	34.06	44.84
95.4	40.01	45.43	34.70	28.58	74.00	74.70	49.57	54.35	157.63	123.57	84.21	103.60
95.5	7.66	4.68	6.17	6.17	10.85	13.83	8.23	8.51	28.51	19.08	13.81	18.37
95.6	25.60	19.37	16.03	16.03	35.39	41.63	25.67	25.71	83.36	61.07	42.80	54.52
95.7	32.78	38.10	25.59	25.77	63.87	58.36	40.75	44.73	128.87	104.62	69.24	84.81
95.8	31.92	39.34	27.44	27.80	67.13	59.36	42.17	47.29	134.45	109.30	71.98	88.31
95.9	20.20	30.15	20.00	14.98	45.13	40.20	28.45	32.57	87.75	73.58	48.78	58.10
96	46.53	34.89	24.04	31.60	66.49	70.57	45.69	45.26	147.43	112.18	76.00	96.56
96.1	26.29	32.11	21.81	19.73	51.85	48.10	33.32	36.83	104.67	85.17	56.70	68.99
96.2	30.62	35.41	24.92	23.75	59.16	55.55	38.23	42.04	121.34	97.39	64.99	79.79
96.3	44.58	29.40	26.66	27.45	56.86	71.24	42.70	41.76	140.45	99.55	70.85	91.57
96.4	16.15	18.94	11.64	11.02	29.96	27.79	19.25	20.80	59.62	49.22	32.60	39.43
96.5	36.82	39.53	30.29	31.32	70.85	67.11	45.99	50.57	149.01	116.84	78.18	97.50
96.6	42.77	35.65	31.16	31.50	67.15	73.92	47.02	49.15	154.58	114.17	79.08	100.80
96.7	30.14	37.16	25.57	24.08	61.24	55.71	38.98	43.40	123.19	100.22	66.44	81.09
96.8	49.48	53.22	42.35	42.35	95.58	91.84	62.47	68.97	203.16	158.05	106.28	132.81
96.9	23.31	19.37	15.68	14.48	33.85	38.99	24.28	24.77	78.24	58.14	40.63	51.26
97	30.95	18.85	19.37	18.24	37.08	50.32	29.13	28.23	96.79	66.22	48.26	62.96
97.1	19.11	31.24	21.76	15.92	47.16	40.87	29.34	34.46	91.25	76.50	50.61	60.30
97.2	49.22	38.24	29.06	31.94	70.19	78.28	49.49	49.62	159.85	119.68	82.53	104.67
97.3	15.46	19.26	13.43	13.43	32.70	28.89	20.53	23.06	65.39	53.23	35.06	42.96
97.4	27.96	35.81	25.14	24.52	60.33	53.10	37.81	42.74	120.35	98.14	64.66	79.08
97.5	20.25	6.12	7.07	13.19	19.31	27.32	15.54	13.19	53.69	34.85	25.12	34.62
97.6	7.19	13.83	10.51	5.22	19.05	17.70	12.25	14.78	37.69	31.30	21.26	24.97
97.7	6.94	2.21	4.57	4.57	6.78	11.51	6.10	5.68	21.76	12.88	10.02	13.93
97.8	11.19	4.58	7.89	7.89	12.46	19.08	10.51	10.17	37.14	22.98	17.41	23.83
97.9	8.30	3.70	6.00	6.00	9.71	14.30	8.00	7.85	28.15	17.71	13.29	18.08
98	15.30	12.69	8.31	14.00	26.69	23.62	16.77	17.50	55.12	43.46	28.19	35.94
98.1	20.10	19.31	14.79	15.45	34.75	34.89	23.21	24.77	75.11	57.97	39.21	49.16
98.2	20.62	10.08	9.71	15.35	25.44	30.33	18.59	17.57	63.26	44.02	30.64	40.92
98.3	24.09	19.95	16.76	16.76	36.71	40.85	25.85	26.74	84.35	62.57	43.39	55.10
98.4	2.54	0.00	1.27	1.27	1.27	3.80	1.69	1.27	6.34	2.96	2.68	4.02
98.5	10.49	12.24	7.49	11.37	23.61	17.98	13.86	15.55	44.90	37.47	23.67	29.38

98.6	7.68	0.00	3.84	3.84	3.84	11.52	5.12	3.84	19.19	8.96	8.10	12.16
98.7	25.18	15.90	10.59	20.54	36.44	35.77	24.07	23.51	79.82	60.50	39.93	51.94
98.8	21.70	8.88	6.41	15.29	24.17	28.10	17.43	15.29	58.69	41.60	28.33	38.06
98.9	11.20	4.06	3.57	7.63	11.69	14.76	8.82	7.63	30.02	20.50	14.30	19.42
99	38.48	22.26	23.25	22.80	45.06	61.73	35.60	34.16	118.68	80.66	58.85	77.14
99.1	43.93	42.22	33.28	31.02	73.24	77.21	50.15	53.26	161.49	123.39	84.62	105.82
99.2	40.10	39.44	27.84	32.76	72.20	67.93	46.71	50.02	150.71	118.91	78.96	98.71
99.3	37.99	39.53	26.78	30.19	69.72	64.77	44.83	48.25	143.21	114.55	75.86	94.02
99.4	31.60	30.54	23.65	24.81	55.35	55.25	36.87	39.50	119.56	92.22	62.32	78.22
99.5	47.25	49.96	37.58	37.05	87.01	84.83	57.28	62.30	184.18	144.29	97.14	120.73
99.6	46.63	48.23	34.76	35.18	83.41	81.39	54.94	59.09	175.66	138.35	92.94	115.30
99.7	41.62	22.08	16.59	31.85	53.94	58.21	37.38	35.26	125.33	91.32	61.60	81.36
99.8	41.30	34.65	26.74	31.18	65.83	68.04	44.62	46.29	145.51	110.45	74.93	95.07
99.9	51.18	47.54	35.06	37.56	85.10	86.23	57.11	60.08	183.87	142.21	96.18	120.49
100	33.53	35.08	26.38	24.98	60.06	59.92	39.99	43.22	128.11	100.05	67.73	84.05
100.1	29.65	25.07	19.80	23.70	48.77	49.46	32.74	34.29	107.45	81.51	55.09	70.10
100.2	36.87	38.45	28.23	26.75	65.20	65.10	43.44	46.72	138.57	108.64	73.49	91.00
100.3	32.08	33.48	24.20	22.83	56.30	56.28	37.53	40.25	119.36	93.83	63.45	78.44
100.4	41.31	41.20	31.00	32.08	73.27	72.31	48.53	52.13	156.52	121.80	82.08	102.53
100.5	31.67	32.34	25.17	23.79	56.12	56.83	37.65	40.65	121.27	93.78	63.75	79.46
100.6	25.14	19.15	15.82	15.74	34.88	40.96	25.28	25.35	82.05	60.16	42.16	53.66
100.7	24.80	18.72	13.21	16.68	35.40	38.01	24.47	24.31	79.00	59.87	40.73	51.73
100.8	31.08	31.64	23.18	22.60	54.24	54.27	36.17	38.71	115.58	90.41	61.13	75.87
100.9	31.77	28.96	22.44	24.13	53.09	54.20	35.76	37.76	116.09	88.85	60.27	75.93
101	44.56	26.74	22.71	28.75	55.49	67.27	40.92	39.10	135.12	96.41	67.59	88.02
101.1	16.24	13.08	8.94	14.66	27.74	25.18	17.64	18.34	58.19	45.39	29.64	37.91
101.2	30.03	23.51	18.21	20.79	44.30	48.25	30.85	31.26	100.29	75.15	51.55	65.57
101.3	32.64	35.91	25.92	23.20	59.11	58.56	39.22	42.51	124.27	98.33	66.47	81.75
101.4	30.03	39.18	28.01	23.10	62.28	58.04	40.11	45.15	126.29	102.39	68.53	83.20
101.5	23.09	20.84	16.03	17.69	38.52	39.12	25.88	27.28	84.09	64.41	43.60	54.98
101.6	28.15	27.81	20.98	22.00	49.82	49.13	32.98	35.40	106.53	82.80	55.78	69.76
101.7	46.93	28.93	23.57	37.93	66.87	70.50	45.79	45.22	153.65	112.65	76.13	99.72
101.8	2.32	4.55	3.44	3.44	7.99	5.76	4.58	5.71	14.91	12.57	8.01	9.74
101.9	27.67	31.01	23.03	20.91	51.92	50.70	34.21	37.48	109.09	86.13	58.10	71.65
102	24.89	36.10	23.76	21.31	57.41	48.66	35.36	40.59	110.55	92.76	60.67	72.95
102.1	9.76	19.00	14.38	4.88	23.88	24.14	16.01	19.13	48.15	39.89	27.72	32.08
102.2	16.21	12.87	10.46	10.14	23.01	26.67	16.56	16.74	53.55	39.57	27.66	35.05
102.3	42.20	39.74	27.73	27.73	67.47	69.93	45.80	47.60	145.25	113.27	76.93	95.53
102.4	5.61	0.00	2.81	2.81	2.81	8.42	3.74	2.81	14.03	6.55	5.92	8.88
102.5	41.99	42.30	31.26	30.05	72.35	73.25	48.54	51.81	155.11	120.89	81.98	101.82
102.6	45.52	47.11	34.30	34.57	81.68	79.82	53.83	57.99	172.38	135.52	91.11	113.11
102.7	40.22	28.70	25.26	24.71	53.41	65.47	39.63	39.33	129.51	93.03	65.95	84.57
102.8	12.58	29.68	21.13	10.57	40.25	33.71	24.65	30.69	74.97	64.91	43.10	49.81

102.9	19.90	22.65	21.27	13.42	36.06	41.18	25.75	28.67	83.27	61.81	43.89	54.51
103	18.30	23.12	17.01	20.71	43.83	35.31	26.38	30.42	86.44	70.21	45.31	56.41
103.1	31.19	19.93	20.32	20.32	40.25	51.51	30.59	30.29	102.12	70.84	50.88	66.35
103.2	19.72	32.83	19.05	18.35	51.18	38.77	29.98	35.12	92.24	81.16	51.68	61.11
103.3	35.22	34.65	24.67	22.74	57.39	59.89	39.09	41.03	123.66	96.48	65.80	81.38
103.4	28.61	35.08	23.26	22.51	57.59	51.87	36.49	40.42	114.80	94.07	62.12	75.64
103.5	38.54	30.39	24.73	29.14	59.53	63.26	40.93	42.13	134.53	100.46	68.62	87.73
103.6	24.75	19.51	15.99	15.44	34.95	40.74	25.23	25.47	81.65	60.17	42.13	53.44
103.7	40.91	39.38	33.19	33.13	72.52	74.10	48.87	52.85	160.08	121.39	82.78	104.48
103.8	29.05	27.51	21.27	21.58	49.10	50.31	33.14	35.18	107.08	82.23	55.91	70.11
103.9	26.99	26.82	20.29	20.12	46.94	47.28	31.41	33.62	101.02	78.35	53.08	66.21
104	36.49	39.12	29.21	27.38	66.50	65.70	44.06	47.85	140.93	110.56	74.70	92.50
104.1	28.51	34.20	24.83	22.32	56.52	53.35	36.62	40.68	116.35	93.14	62.39	76.49
104.2	34.02	33.81	25.19	25.19	59.00	59.21	39.40	42.09	126.49	98.40	66.57	82.95
104.3	27.91	28.00	21.26	21.13	49.12	49.17	32.76	35.19	105.49	81.89	55.42	69.13
104.4	28.98	32.94	22.79	23.28	56.22	51.77	36.00	39.51	114.56	92.22	61.17	75.28
104.5	29.38	26.12	20.10	20.10	46.22	49.48	31.90	33.16	102.73	78.11	53.58	67.31
104.6	30.24	34.00	23.23	22.55	56.56	53.47	36.67	39.89	115.91	93.23	62.20	76.29
104.7	41.43	34.59	25.67	30.55	65.14	67.11	44.08	45.41	143.07	109.22	73.91	93.57
104.8	37.32	38.03	27.99	27.31	65.35	65.30	43.55	46.67	139.28	108.90	73.62	91.42
104.9	41.83	43.67	31.52	31.49	75.17	73.34	49.50	53.34	158.18	124.67	83.78	103.84
105	38.72	31.92	24.68	24.68	56.60	63.40	40.00	40.64	128.72	96.60	66.88	84.36
105.1	34.84	31.14	24.38	24.93	56.06	59.22	38.43	40.22	124.37	94.49	64.64	81.40
105.2	31.43	32.73	23.85	23.83	56.56	55.28	37.28	40.21	119.32	93.84	63.11	78.30
105.3	27.34	32.04	21.09	21.61	53.65	48.44	34.03	37.37	107.42	87.68	57.83	70.72
105.4	3.91	11.72	7.81	1.95	13.67	11.72	8.46	10.74	24.42	22.14	14.87	16.44
105.5	44.66	36.38	31.08	32.20	68.58	75.75	48.11	49.83	157.77	116.69	80.76	102.94
105.6	37.68	42.09	31.34	30.94	73.02	69.03	47.35	52.18	152.15	120.37	80.53	99.75
105.7	31.83	36.18	26.68	25.99	62.17	58.51	40.23	44.42	128.92	102.39	68.44	84.57
105.8	29.41	30.03	22.90	20.42	50.45	52.31	34.25	36.67	109.40	84.70	57.90	71.83
105.9	27.20	30.95	23.37	19.20	50.15	50.57	33.57	36.76	106.53	83.72	57.02	70.05
106	30.02	27.06	20.03	21.83	48.89	50.05	32.98	34.46	106.34	81.87	55.46	69.66
106.1	34.17	27.67	22.42	23.68	51.35	56.59	35.98	36.89	117.16	87.34	60.27	76.57
106.2	33.79	31.01	24.15	25.94	56.95	57.95	38.30	40.55	124.44	95.25	64.58	81.37
106.3	32.12	29.57	22.40	24.06	53.63	54.52	36.05	38.02	116.60	89.68	60.74	76.32
106.4	35.92	34.25	26.26	25.47	59.72	62.18	40.63	42.99	130.63	100.35	68.51	85.63
106.5	36.87	37.49	27.74	27.20	64.69	64.61	43.10	46.21	138.02	107.79	72.87	90.56
106.6	10.99	7.45	9.22	9.22	16.67	20.21	12.29	12.95	42.37	28.97	20.71	27.33
106.7	32.02	27.53	21.15	20.32	47.86	53.17	33.67	34.50	107.99	81.53	56.40	70.83
106.8	27.94	37.03	27.55	19.86	56.88	55.49	37.46	42.22	117.56	94.34	64.01	77.51
106.9	17.57	33.24	25.41	12.85	46.09	42.97	29.69	35.75	91.57	75.78	51.50	60.63
107	32.07	32.92	25.15	23.30	56.23	57.22	37.82	40.69	121.22	94.04	63.99	79.52
107.1	23.88	22.89	17.63	17.89	40.78	41.51	27.43	29.21	88.61	68.21	46.31	58.02

107.2	23.96	20.91	15.94	17.51	38.42	39.89	26.10	27.18	84.58	64.52	43.86	55.34
107.3	26.35	27.52	20.21	20.01	47.53	46.56	31.36	33.87	100.44	78.89	53.11	65.90
107.4	28.66	29.36	21.50	21.94	51.29	50.17	33.82	36.40	108.50	85.11	57.23	71.16
107.5	23.89	33.16	23.78	18.08	51.24	47.68	32.97	37.51	103.27	84.21	56.47	68.12
107.6	36.23	29.21	22.76	23.10	52.31	58.99	37.10	37.53	119.62	89.40	61.98	78.36
107.7	28.51	31.45	23.06	20.83	52.28	51.57	34.62	37.67	110.07	86.90	58.71	72.34
107.8	29.03	28.65	20.65	21.59	50.23	49.69	33.31	35.44	106.72	83.54	56.22	70.01
107.9	7.67	0.00	3.83	3.83	3.83	11.50	5.11	3.83	19.17	8.95	8.09	12.14
108	23.02	21.88	17.72	17.69	39.57	40.74	26.77	28.65	87.07	66.34	45.24	56.92
108.1	23.46	23.79	18.01	18.45	42.24	41.46	27.90	30.12	90.04	70.14	47.24	58.97
108.2	30.00	24.14	19.07	19.00	43.14	49.07	30.74	31.10	99.17	73.87	51.35	64.95
108.3	25.18	30.34	22.35	18.55	48.90	47.53	32.14	35.62	101.71	81.04	54.73	66.93
108.4	29.40	28.87	21.82	21.11	49.98	51.22	33.73	35.90	108.22	83.71	56.94	70.98
108.5	21.90	22.05	16.61	13.63	35.68	38.51	24.73	26.15	78.28	60.41	41.69	51.51
108.6	27.17	26.73	20.76	20.24	46.97	47.92	31.63	33.86	102.03	78.60	53.46	66.83
108.7	21.86	24.33	17.97	16.83	41.16	39.83	27.00	29.56	86.22	68.15	45.85	56.61
108.8	24.54	29.85	21.59	18.20	48.06	46.13	31.40	34.82	99.16	79.46	53.47	65.28
108.9	33.54	37.05	26.61	25.78	62.82	60.15	40.99	44.72	130.65	103.82	69.56	85.82
109	11.05	0.00	5.52	5.52	5.52	16.57	7.37	5.52	27.62	12.89	11.66	17.49
109.1	47.74	34.68	25.48	33.94	68.62	73.22	47.28	47.05	154.22	115.91	78.73	100.75
109.2	21.96	22.19	17.12	15.58	37.77	39.08	25.62	27.44	82.11	63.39	43.30	53.86
109.3	29.73	26.52	21.23	21.81	48.33	50.96	33.10	34.78	107.55	81.42	55.72	70.32
109.4	26.61	26.72	19.95	19.11	45.84	46.56	30.80	32.89	98.56	76.63	52.03	64.68
109.5	35.73	34.34	24.06	26.84	61.18	59.79	40.32	42.62	129.24	101.50	67.97	84.78
109.6	8.44	7.36	7.90	7.90	15.26	16.34	10.53	11.58	35.82	25.79	17.90	23.18
109.7	33.29	34.55	25.39	24.74	59.28	58.68	39.32	42.34	125.75	98.61	66.54	82.54
109.8	29.32	27.43	18.37	23.25	50.68	47.70	32.79	34.53	105.47	83.47	55.23	69.13
109.9	26.28	23.88	18.19	19.36	43.23	44.47	29.23	30.71	94.54	72.47	49.22	61.89
110	26.37	25.25	18.98	19.95	45.20	45.35	30.18	32.09	97.38	75.38	50.94	63.78
110.1	36.36	35.04	25.42	26.00	61.05	61.78	40.94	43.23	131.02	101.99	69.00	85.98
110.2	32.05	29.05	21.21	22.44	51.49	53.25	34.91	36.35	112.04	86.41	58.67	73.48
110.3	23.41	19.88	14.37	16.95	36.83	37.79	24.87	25.60	80.34	61.70	41.70	52.61
110.4	11.17	9.66	10.42	5.59	15.25	21.59	12.28	12.83	40.01	27.52	20.65	26.14
110.5	2.97	8.90	5.93	1.48	10.39	8.90	6.43	8.16	18.55	16.82	11.29	12.49
110.6	13.84	24.68	19.26	9.17	33.85	33.10	22.32	26.55	68.82	56.16	38.61	45.57
110.7	28.17	34.77	26.00	22.00	56.77	54.16	36.98	41.38	117.54	93.75	63.10	77.26
110.8	32.04	27.34	18.65	21.54	48.88	50.69	33.19	33.76	105.99	82.07	55.51	69.59
110.9	25.45	28.29	22.51	16.65	44.94	47.96	30.97	33.73	98.34	75.91	52.53	64.65
111	23.14	23.74	17.57	16.59	40.34	40.71	27.02	28.96	86.26	67.36	45.68	56.64
111.1	17.78	16.44	11.49	11.70	28.14	29.27	19.14	19.81	60.78	47.27	32.12	39.96
111.2	9.95	11.80	10.88	4.98	16.78	20.83	12.54	13.83	39.63	29.31	21.32	26.09
111.3	15.68	9.11	12.39	7.84	16.95	28.07	15.00	14.67	50.57	31.95	24.90	32.79
111.4	4.53	13.58	9.05	2.26	15.84	13.58	9.80	12.44	28.28	25.64	17.22	19.04

111.5	18.12	17.32	11.90	11.98	29.30	30.02	19.77	20.60	62.59	49.07	33.23	41.18
111.6	12.15	4.44	3.85	8.30	12.74	16.01	9.58	8.30	32.60	22.32	15.54	21.09
111.7	26.45	23.69	18.99	18.54	42.23	45.44	29.22	30.61	94.58	71.45	49.16	61.90
111.8	19.76	17.38	14.86	16.26	33.64	34.62	22.75	24.25	75.13	56.39	38.42	48.94
111.9	33.70	40.69	29.98	23.85	64.54	63.69	42.74	47.26	134.79	107.28	72.74	88.77
112	27.17	29.24	21.37	20.72	49.95	48.54	32.83	35.66	104.92	82.78	55.66	68.88
112.1	24.47	23.89	18.48	18.81	42.70	42.95	28.55	30.59	92.36	71.26	48.27	60.46
112.2	22.28	20.84	17.33	16.99	37.82	39.61	25.81	27.58	84.17	63.63	43.61	54.99
112.3	30.48	31.90	22.37	24.51	56.41	52.84	36.42	39.39	116.75	92.83	61.69	76.58
112.4	25.94	25.61	19.22	19.48	45.09	45.16	30.08	32.15	96.79	75.17	50.83	63.44
112.5	25.91	29.35	21.12	19.53	48.88	47.03	31.97	35.00	101.55	80.85	54.29	66.76
112.6	27.07	29.57	21.19	20.12	49.69	48.27	32.65	35.44	103.82	82.34	55.35	68.24
112.7	23.14	27.46	19.83	17.03	44.49	42.97	29.15	32.16	92.16	73.64	49.59	60.66
112.8	24.54	24.19	16.12	19.85	44.03	40.67	28.23	30.08	90.60	72.27	47.67	59.41
112.9	32.97	36.82	26.39	24.49	61.31	59.35	40.22	43.85	127.69	101.53	68.24	83.95
113	24.17	24.17	18.08	17.61	41.78	42.25	28.01	29.93	89.78	69.78	47.32	58.89
113.1	22.19	21.17	16.41	15.81	36.99	38.59	25.19	26.70	81.10	62.18	42.49	53.15
113.2	19.65	18.50	14.05	14.96	33.46	33.71	22.39	23.76	72.42	55.85	37.77	47.41
113.3	15.59	20.14	13.37	12.74	32.89	28.96	20.62	23.13	64.84	53.50	35.20	42.73
113.4	20.19	20.03	14.90	15.46	35.49	35.10	23.53	25.20	75.75	59.02	39.77	49.64
113.5	33.33	35.47	26.14	24.69	60.16	59.47	39.87	43.15	127.30	100.03	67.55	83.59
113.6	25.18	24.26	18.12	19.19	43.45	43.30	28.92	30.79	93.28	72.37	48.82	61.10
113.7	18.96	10.88	9.91	14.92	25.80	28.87	18.22	17.86	61.65	44.03	30.25	39.94
113.8	14.77	14.56	9.75	9.84	24.40	24.52	16.31	17.08	51.44	40.71	27.44	33.88
113.9	6.91	4.54	5.73	5.73	10.27	12.64	7.64	8.00	26.36	17.90	12.85	17.00
114	7.48	5.83	6.66	6.66	12.49	14.13	8.88	9.57	30.36	21.37	15.02	19.62
114.1	18.91	20.31	14.01	15.45	35.76	32.92	22.89	24.89	73.26	58.65	38.82	48.08
114.2	27.01	32.92	23.74	19.48	52.40	50.75	34.38	38.07	108.31	86.78	58.53	71.34
114.3	32.15	31.36	21.30	21.30	52.67	53.45	35.37	36.98	111.74	88.04	59.49	73.56
114.4	20.91	20.14	14.96	15.34	35.48	35.87	23.79	25.22	76.44	59.27	40.12	50.11
114.5	34.71	33.51	24.63	24.63	58.14	59.34	39.16	41.38	125.35	97.30	66.01	82.25
114.6	27.60	20.95	15.82	24.28	45.23	43.42	29.55	30.52	98.22	74.78	49.57	63.88
114.7	26.21	24.31	17.78	19.24	43.55	43.99	29.18	30.67	93.90	72.73	49.13	61.54
114.8	26.81	22.52	17.55	19.71	42.23	44.36	28.86	29.89	93.96	71.09	48.44	61.41
114.9	28.95	28.07	21.52	20.84	48.91	50.47	33.13	35.21	106.53	82.03	55.91	69.83
115	23.17	26.55	19.81	17.42	43.96	42.98	28.98	31.89	92.29	72.95	49.27	60.63
115.1	19.51	25.56	20.26	14.12	39.68	39.76	26.48	29.97	83.85	66.16	45.30	55.17
115.2	40.52	35.05	28.19	27.92	62.97	68.71	43.89	45.58	142.21	106.86	73.72	93.05
115.3	3.57	10.70	7.14	1.78	12.49	10.70	7.73	9.81	22.30	20.22	13.58	15.01
115.4	13.86	12.98	10.48	10.48	23.46	24.34	15.94	16.97	51.80	39.40	26.91	33.87
115.5	29.38	25.97	20.24	18.41	44.38	49.62	31.33	32.31	100.34	75.71	52.55	65.84
115.6	15.13	24.64	19.88	11.42	36.06	35.02	23.69	27.97	74.41	59.75	40.91	49.05
115.7	35.81	40.57	27.69	28.98	69.56	63.50	44.35	48.62	141.11	113.91	75.35	92.73

115.8	45.57	45.24	33.16	30.81	76.05	78.74	51.59	54.61	164.15	127.64	86.99	107.87
115.9	18.72	10.86	9.89	14.79	25.65	28.61	18.09	17.77	61.18	43.74	30.04	39.63
116	9.24	7.40	8.32	8.32	15.72	17.55	11.09	12.02	37.89	26.81	18.80	24.49
116.1	23.63	34.53	21.76	21.01	55.54	45.39	33.64	38.65	105.05	89.19	57.74	69.35
116.2	27.91	26.23	20.93	20.93	47.16	48.84	32.00	34.04	103.81	79.16	54.01	67.91
116.3	14.24	23.91	19.07	10.14	34.05	33.32	22.46	26.56	70.02	56.50	38.79	46.24
116.4	11.82	27.71	19.77	9.79	37.50	31.59	23.03	28.63	70.01	60.53	40.25	46.52
116.5	11.34	25.05	18.19	5.67	30.72	29.53	20.08	24.46	59.66	50.80	34.93	39.87
116.6	4.39	25.62	15.00	8.42	34.03	19.39	17.81	24.52	52.33	51.84	31.92	35.07
116.7	12.42	9.26	10.84	6.21	15.47	23.26	12.91	13.16	42.63	28.39	21.60	27.77
116.8	7.52	8.68	8.10	3.76	12.44	15.62	9.35	10.27	29.64	21.79	15.89	19.50
116.9	14.13	19.53	16.83	7.07	26.60	30.97	19.19	21.71	59.75	45.78	32.82	39.47
117	28.14	28.32	21.09	20.72	49.05	49.23	32.76	35.07	105.02	81.80	55.37	68.89
117.1	39.99	34.05	24.48	28.49	62.54	64.47	42.34	43.51	136.47	104.88	70.95	89.40
117.2	30.94	33.52	24.19	22.93	56.46	55.13	37.20	40.32	118.39	93.65	63.04	77.79
117.3	23.67	24.53	18.77	17.13	41.65	42.44	28.03	30.21	89.78	69.69	47.45	58.91
117.4	35.15	41.33	29.79	26.65	67.98	64.94	44.31	48.88	140.47	112.28	75.37	92.39
117.5	34.92	32.03	26.55	25.31	57.34	61.47	39.60	41.95	128.73	96.95	66.79	84.17
117.6	33.81	30.01	23.00	23.36	53.37	56.81	36.73	38.18	118.35	90.10	61.70	77.54
117.7	25.72	21.97	17.24	20.78	42.75	42.95	28.57	30.00	93.74	71.32	48.09	61.15
117.8	29.99	24.82	19.51	22.81	47.63	49.50	32.38	33.57	105.88	80.00	54.36	69.13
117.9	29.11	26.73	20.63	20.61	47.35	49.74	32.36	33.99	104.34	79.71	54.48	68.35
118	34.13	35.90	26.42	26.11	62.01	60.55	40.85	44.21	130.87	102.86	69.21	85.86
118.1	18.12	33.64	25.88	15.07	48.70	44.00	30.90	37.29	96.35	79.60	53.63	63.63
118.2	26.30	26.63	20.30	20.35	46.98	46.60	31.19	33.64	100.59	78.17	52.80	65.89
118.3	34.24	34.45	25.30	26.02	60.47	59.54	40.00	42.88	128.44	100.47	67.63	84.22
118.4	31.64	32.97	24.55	22.98	55.95	56.19	37.38	40.25	119.42	93.33	63.26	78.40
118.5	29.35	29.70	22.22	22.81	52.51	51.58	34.70	37.37	111.76	87.21	58.72	73.23
118.6	15.88	13.57	9.98	10.32	23.88	25.86	16.58	16.93	53.11	40.46	27.75	34.85
118.7	22.24	16.73	15.35	13.19	29.92	37.59	22.50	22.63	73.41	52.42	37.55	47.95
118.8	27.02	26.75	19.39	19.14	45.89	46.41	30.77	32.64	98.18	76.66	51.90	64.48
118.9	30.18	26.39	21.82	18.32	44.71	52.00	32.24	33.27	103.59	76.95	54.07	67.91
119	32.96	38.61	27.37	26.06	64.67	60.33	41.67	46.02	132.42	106.34	70.90	87.04
119.1	30.21	29.69	22.37	22.19	51.88	52.58	34.82	37.13	111.90	86.70	58.80	73.36
119.2	53.35	45.42	31.91	39.44	84.86	85.26	56.70	58.38	183.08	141.56	95.07	119.89
119.3	33.93	34.39	25.33	26.16	60.55	59.26	39.94	42.94	128.37	100.49	67.57	84.15
119.4	34.05	18.75	14.98	26.40	45.15	49.02	31.39	30.06	105.48	76.54	51.87	68.44
119.5	31.16	33.22	24.84	23.99	57.21	56.00	37.74	41.02	121.01	94.94	63.99	79.37
119.6	38.05	33.20	25.25	28.17	61.37	63.30	41.56	43.31	134.79	102.92	69.85	88.17
119.7	33.59	17.92	14.92	25.75	43.67	48.51	30.73	29.29	103.56	74.40	50.73	67.14
119.8	33.64	34.48	25.15	24.99	59.47	58.79	39.42	42.31	126.09	98.89	66.66	82.76
119.9	28.02	35.10	24.59	23.98	59.08	52.61	37.23	41.84	118.43	96.32	63.59	77.83
120	27.72	25.04	17.32	18.39	43.43	45.05	29.49	30.37	93.81	72.92	49.45	61.65

120.1	18.32	19.93	12.12	12.66	32.59	30.43	21.01	22.35	65.45	53.59	35.46	43.23
120.2	3.65	4.40	4.03	4.03	8.43	7.68	5.37	6.23	17.94	13.80	9.24	11.66
120.3	28.96	26.22	20.39	20.20	46.42	49.35	31.92	33.40	102.95	78.34	53.70	67.44
120.4	28.60	29.00	21.74	20.08	49.08	50.34	33.14	35.41	105.84	82.22	55.99	69.49
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120.7	21.70	21.11	16.23	15.53	36.64	37.93	24.86	26.44	79.90	61.50	41.96	52.38
120.8	16.27	13.70	9.95	10.65	24.35	26.22	16.86	17.15	54.02	41.21	28.19	35.44
120.9	38.20	29.31	22.98	24.48	53.79	61.18	38.32	38.39	124.05	92.12	63.90	81.19
121	19.46	19.54	12.94	13.01	32.55	32.40	21.65	22.75	68.15	54.20	36.45	44.90
121.1	3.49	10.47	6.98	1.75	12.22	10.47	7.56	9.60	21.82	19.78	13.28	14.69
121.2	34.92	29.68	19.23	24.00	53.68	54.15	35.94	36.45	114.59	89.62	60.07	75.27
121.3	15.36	13.33	14.34	7.68	21.01	29.70	16.90	17.68	55.06	37.91	28.43	35.98
121.4	2.56	0.00	1.28	1.28	1.28	3.84	1.71	1.28	6.40	2.98	2.70	4.05
121.5	21.26	24.71	15.14	18.10	42.81	36.40	26.40	28.98	83.48	69.21	44.86	54.94
121.6	28.77	29.25	21.06	21.85	51.10	49.83	33.64	36.08	107.76	84.74	56.88	70.70
121.7	21.38	20.91	15.49	13.51	34.42	36.87	23.76	24.96	75.34	58.18	40.00	49.55
121.8	12.17	13.91	13.04	6.08	19.99	25.20	15.06	16.51	47.80	35.05	25.59	31.43
121.9	29.18	22.56	18.55	18.25	40.80	47.73	29.51	29.68	95.65	70.31	49.24	62.58
122	22.47	22.05	16.26	16.26	38.31	38.73	25.68	27.28	82.27	63.98	43.33	53.98
122.1	25.87	27.59	20.24	18.84	46.43	46.11	30.85	33.34	98.29	77.28	52.24	64.57
122.2	5.10	21.55	13.33	5.68	27.24	18.42	15.22	20.28	44.38	42.46	27.05	29.80
122.3	40.50	24.55	22.92	25.05	49.61	63.41	37.67	36.26	124.73	87.28	62.32	81.20
122.4	30.97	33.75	24.63	23.11	56.86	55.60	37.49	40.74	119.45	94.35	63.56	78.47
122.5	22.28	25.10	16.44	18.07	43.18	38.72	27.30	29.81	86.59	70.47	46.33	56.95
122.6	34.18	36.14	25.76	25.76	61.90	59.93	40.61	43.83	129.52	102.51	68.76	85.07
122.7	30.52	24.15	17.06	23.88	48.03	47.58	31.87	32.54	104.00	79.90	53.34	67.93
122.8	60.34	61.15	44.66	44.66	105.81	104.99	70.27	75.23	224.88	176.08	118.77	147.57
122.9	26.93	31.63	25.28	20.26	51.89	52.22	34.70	38.59	111.07	86.60	59.13	72.89
123	14.55	18.10	16.33	11.31	29.42	30.88	20.10	22.87	65.06	49.52	34.42	42.58
123.1	18.91	17.34	12.88	12.08	29.42	31.79	20.40	21.15	65.02	49.82	34.25	42.71
123.2	36.99	38.63	27.18	29.15	67.78	64.17	43.98	47.48	140.80	111.76	74.47	92.39
123.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123.4	42.69	43.40	30.82	29.63	73.03	73.51	48.85	51.92	155.07	121.87	82.44	101.96
123.5	20.39	3.04	8.68	11.72	14.76	29.07	14.61	11.72	52.51	29.37	23.39	33.56
123.6	11.04	19.77	11.27	11.27	31.04	22.30	17.78	21.15	54.72	48.82	30.76	36.25
123.7	31.67	36.69	23.53	23.74	60.43	55.19	38.54	41.98	120.91	98.97	65.38	79.73
123.8	4.02	12.05	8.03	2.01	14.06	12.05	8.70	11.05	25.10	22.76	15.29	16.90
123.9	36.67	36.64	28.60	28.60	65.24	65.27	43.50	46.92	140.79	108.74	73.64	92.15
124	22.80	25.23	17.00	14.91	40.14	39.80	26.65	28.57	83.27	66.78	45.05	54.96
124.1	14.83	13.61	8.05	10.50	24.11	22.87	15.66	16.08	49.45	39.78	26.24	32.56
124.2	25.33	25.17	17.43	20.66	45.84	42.76	29.53	31.63	95.05	75.37	49.92	62.29
124.3	22.71	26.31	19.61	17.13	43.44	42.32	28.59	31.52	90.98	72.03	48.62	59.78

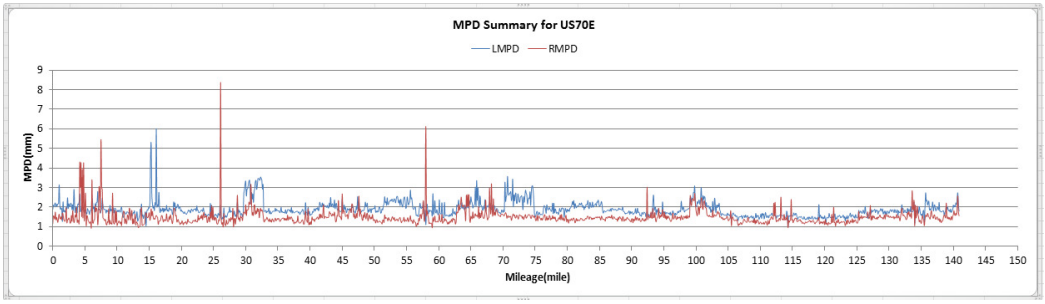
124.4	31.64	30.50	23.62	23.70	54.20	55.26	36.49	38.91	117.87	90.69	61.62	77.18
124.5	31.56	24.16	15.11	22.15	46.32	46.67	31.00	30.71	99.54	77.31	51.57	65.27
124.6	7.81	7.66	7.74	7.74	15.40	15.55	10.32	11.57	34.86	25.72	17.61	22.59
124.7	6.31	14.02	10.17	3.16	17.18	16.48	11.22	13.67	33.31	28.40	19.52	22.27
124.8	38.85	50.88	37.52	23.10	73.98	76.36	50.11	55.75	155.21	124.09	85.40	102.66
124.9	36.96	35.28	25.62	29.25	64.54	62.57	42.37	45.08	136.90	106.91	71.52	89.64
125	21.79	22.53	17.68	16.74	39.26	39.48	26.25	28.47	84.69	65.51	44.49	55.47
125.1	25.35	26.21	18.25	18.11	44.32	43.60	29.31	31.29	92.99	73.63	49.50	61.15
125.2	29.91	28.46	22.16	22.41	50.87	52.06	34.31	36.51	110.98	85.18	57.92	72.65
125.3	25.09	27.71	18.52	18.52	46.23	43.61	29.95	32.37	94.50	76.17	50.72	62.22
125.4	21.61	13.98	13.13	13.13	27.11	34.74	20.62	20.12	68.00	47.73	34.20	44.31
125.5	23.15	20.72	15.39	14.85	35.57	38.54	24.70	25.48	78.87	60.27	41.43	51.78
125.6	23.41	27.53	20.67	17.94	45.47	44.09	29.85	33.07	95.09	75.32	50.83	62.47
125.7	8.14	4.35	6.24	6.24	10.59	14.38	8.32	8.42	29.04	18.92	13.91	18.68
125.8	26.89	28.45	20.70	19.59	48.04	47.60	31.88	34.37	101.56	79.92	53.96	66.72
125.9	21.44	14.46	13.13	13.13	27.59	34.58	20.72	20.36	68.07	48.31	34.42	44.40
126	5.36	3.46	4.41	4.41	7.87	9.77	5.88	6.14	20.32	13.74	9.89	13.10
126.1	14.48	24.67	19.57	9.78	34.45	34.06	22.84	27.01	70.85	57.29	39.45	46.85
126.2	25.16	11.63	11.32	18.40	30.03	36.48	22.17	20.68	75.56	52.21	36.45	48.86
126.3	30.18	33.90	24.05	21.99	55.89	54.23	36.71	39.97	116.19	92.60	62.27	76.45
126.4	30.07	29.16	21.94	21.23	50.39	52.01	34.13	36.16	109.40	84.52	57.56	71.76
126.5	28.10	31.04	22.94	20.40	51.45	51.04	34.16	37.19	108.64	85.61	57.95	71.40
126.6	26.20	26.18	19.67	19.39	45.57	45.88	30.48	32.62	97.88	76.05	51.52	64.18
126.7	25.89	26.06	19.72	19.37	45.43	45.61	30.35	32.58	97.56	75.78	51.32	63.95
126.8	27.74	22.26	16.75	21.15	43.41	44.50	29.30	30.08	95.73	72.71	49.10	62.51
126.9	23.35	24.88	18.44	16.78	41.66	41.80	27.82	30.05	88.63	69.48	47.11	58.22
127	20.20	19.66	15.23	14.76	34.41	35.43	23.28	24.82	75.01	57.69	39.32	49.15
127.1	22.24	24.02	18.12	16.38	40.40	40.36	26.92	29.26	85.99	67.32	45.65	56.46
127.2	6.62	0.00	3.31	3.31	3.31	9.93	4.41	3.31	16.55	7.72	6.99	10.48
127.3	42.43	36.37	29.30	28.85	65.22	71.73	45.65	47.26	147.84	110.87	76.62	96.74
127.4	32.01	32.53	23.49	23.40	55.94	55.50	37.15	39.71	118.62	93.09	62.77	77.89
127.5	16.85	14.43	10.83	10.83	25.26	27.67	17.64	18.04	56.55	42.90	29.54	37.09
127.6	26.23	37.12	26.14	19.08	56.21	52.38	36.19	41.17	112.63	92.40	61.98	74.41
127.7	29.52	30.53	22.70	21.17	51.70	52.22	34.64	37.20	110.59	86.34	58.59	72.62
127.8	29.43	29.58	22.04	21.65	51.23	51.47	34.23	36.63	109.75	85.46	57.85	71.99
127.9	19.61	21.42	16.22	14.43	35.85	35.83	23.89	26.04	76.30	59.75	40.54	50.10
128	21.81	22.19	17.12	15.87	38.06	38.93	25.66	27.59	82.39	63.72	43.41	54.02
128.1	24.49	23.22	17.93	18.52	41.74	42.42	28.05	29.83	90.77	69.79	47.35	59.41
128.2	15.61	17.66	13.20	11.74	29.40	28.81	19.40	21.30	61.85	48.80	32.97	40.63
128.3	21.23	18.62	14.74	15.93	34.55	35.97	23.51	24.65	76.55	58.06	39.56	50.03
128.4	23.39	21.34	16.92	18.75	40.09	40.32	26.80	28.51	87.58	66.90	45.24	57.19
128.5	30.25	24.69	18.22	22.30	46.99	48.47	31.82	32.61	103.39	78.81	53.30	67.60
128.6	25.13	26.82	19.75	18.20	45.02	44.88	29.96	32.38	95.46	74.98	50.75	62.71

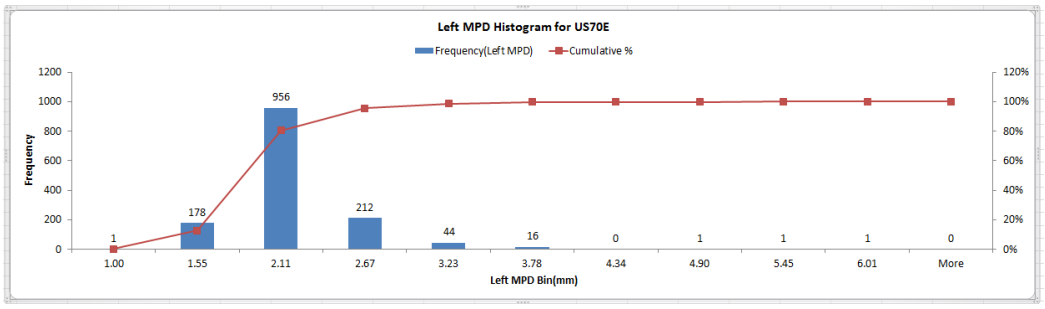
128.7	22.11	23.89	18.66	15.97	39.86	40.77	26.88	29.26	86.00	66.74	45.59	56.44
128.8	32.41	34.33	24.71	23.73	58.06	57.12	38.39	41.39	122.23	96.46	64.99	80.31
128.9	10.60	11.84	11.22	6.99	18.83	21.82	13.55	15.03	43.83	32.38	23.07	28.69
129	20.58	22.06	16.25	15.20	37.25	36.83	24.70	26.75	78.78	61.95	41.84	51.74
129.1	2.44	0.00	1.22	1.22	1.22	3.65	1.62	1.22	6.09	2.84	2.57	3.86
129.2	5.10	3.40	4.25	4.25	7.65	9.36	5.67	5.95	19.56	13.32	9.54	12.62
129.3	34.29	31.83	23.53	25.31	57.14	57.81	38.32	40.33	123.46	95.45	64.53	80.89
129.4	13.89	8.66	7.70	11.27	19.93	21.59	13.84	13.81	46.68	33.77	23.06	30.26
129.5	29.10	33.65	21.38	21.38	55.03	50.48	35.17	38.21	110.07	90.20	59.63	72.62
129.6	21.81	24.04	16.70	17.35	41.39	38.51	26.63	29.04	84.90	68.03	45.19	55.77
129.7	7.27	15.55	11.41	6.69	22.24	18.69	13.64	16.83	42.20	35.88	23.80	27.92
129.8	27.87	23.77	19.17	20.03	43.80	47.04	30.28	31.49	98.56	74.08	50.87	64.42
129.9	26.14	25.66	19.19	19.57	45.23	45.32	30.18	32.21	97.10	75.41	50.98	63.64
130	22.05	21.41	16.68	13.55	34.96	38.74	24.57	25.82	78.11	59.53	41.36	51.34
130.1	15.42	17.63	11.91	12.46	30.09	27.34	19.14	21.00	60.80	49.24	32.53	39.97
130.2	13.51	24.39	18.95	8.46	32.85	32.46	21.77	25.90	66.82	54.62	37.66	44.29
130.3	24.42	24.48	18.50	17.97	42.45	42.92	28.46	30.47	91.37	70.91	48.10	59.91
130.4	7.19	2.97	5.08	5.08	8.05	12.27	6.77	6.56	23.91	14.82	11.22	15.34
130.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.6	6.33	0.00	3.16	3.16	3.16	9.49	4.22	3.16	15.82	7.38	6.68	10.02
130.7	6.48	9.17	7.82	3.24	12.41	14.30	8.90	10.12	27.66	21.31	15.24	18.28
130.8	16.64	17.38	13.19	13.19	30.57	29.83	20.13	21.88	64.90	50.70	34.14	42.51
130.9	11.38	2.38	4.50	6.88	9.27	15.88	8.38	6.88	29.64	17.65	13.47	19.01
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131.1	23.06	24.59	17.04	17.04	41.63	40.11	27.25	29.34	86.48	68.88	46.11	56.86
131.2	29.00	34.30	24.54	20.38	54.68	53.54	36.07	39.61	113.52	90.75	61.30	74.80
131.3	24.18	17.79	14.78	15.20	32.99	38.96	23.98	23.88	78.05	56.97	39.94	51.01
131.4	14.24	12.82	10.68	8.54	21.36	24.91	15.42	16.02	49.48	36.79	25.91	32.45
131.5	25.18	29.80	21.37	19.92	49.73	46.55	32.09	35.55	102.01	81.82	54.64	67.05
131.6	14.72	21.25	14.60	12.03	33.29	29.32	20.87	23.94	65.29	54.16	35.81	43.08
131.7	6.36	6.96	6.66	3.18	10.14	13.02	7.72	8.40	24.61	17.86	13.10	16.16
131.8	4.04	5.12	4.58	4.58	9.69	8.62	6.10	7.14	20.33	15.80	10.52	13.22
131.9	29.97	30.85	23.33	23.33	54.18	53.30	35.83	38.75	115.38	90.01	60.69	75.60
132	18.41	12.35	9.93	15.38	27.73	28.34	18.69	18.83	62.56	46.43	31.20	40.63
132.1	20.79	26.24	17.84	15.18	41.42	38.63	26.68	29.63	83.45	68.10	45.46	55.07
132.2	11.69	4.13	7.91	7.91	12.04	19.60	10.55	9.98	37.48	22.59	17.39	24.02
132.3	15.13	14.18	9.93	9.93	24.11	25.06	16.39	17.02	52.02	40.50	27.53	34.20
132.4	10.69	12.16	8.89	8.89	21.05	19.57	13.54	14.97	43.43	34.59	23.04	28.48
132.5	7.81	17.26	12.53	7.20	24.46	20.34	14.93	18.50	46.04	39.39	26.08	30.49
132.6	16.25	13.75	10.81	10.22	23.97	27.05	17.01	17.39	54.66	40.98	28.47	35.84
132.7	2.32	0.00	1.16	1.16	1.16	3.49	1.55	1.16	5.81	2.71	2.45	3.68
132.8	28.86	16.72	9.77	22.79	39.51	38.64	26.05	24.64	86.07	65.55	42.94	56.06
132.9	20.19	21.04	16.26	16.26	37.29	36.44	24.58	26.77	79.47	61.87	41.70	52.03

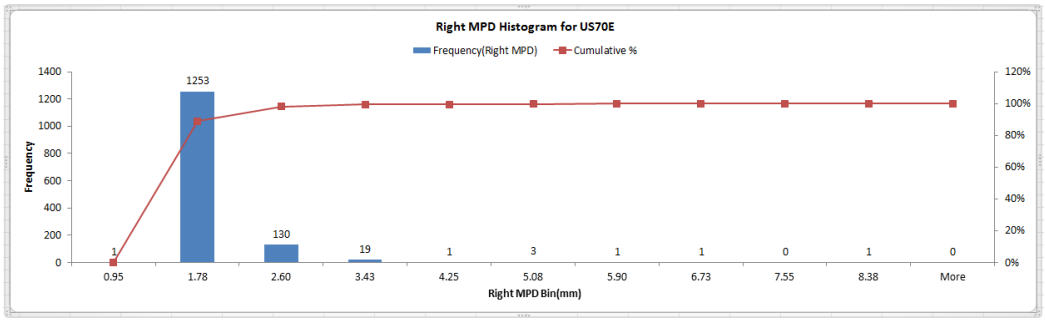
133	26.66	30.03	21.64	19.45	49.48	48.30	32.59	35.56	103.32	82.08	55.31	67.96
133.1	23.64	22.09	16.96	17.47	39.57	40.61	26.72	28.26	86.34	66.29	45.05	56.53
133.2	13.88	11.37	8.83	8.83	20.20	22.71	14.31	14.52	46.06	34.51	23.91	30.18
133.3	9.82	4.26	7.04	7.04	11.31	16.86	9.39	9.17	33.08	20.70	15.58	21.24
133.4	7.76	0.00	3.88	3.88	3.88	11.64	5.17	3.88	19.40	9.05	8.19	12.29
133.5	30.20	32.24	23.83	18.79	51.03	54.03	35.02	37.43	110.26	86.05	59.17	72.64
133.6	23.34	25.44	18.79	16.63	42.07	42.13	28.07	30.43	89.19	70.14	47.57	58.63
133.7	35.03	34.64	25.06	25.38	60.03	60.09	40.04	42.54	128.02	100.07	67.57	84.03
133.8	36.25	39.50	27.71	26.40	65.90	63.96	43.29	46.81	137.17	109.19	73.32	90.23
133.9	29.95	32.43	23.37	22.37	54.80	53.32	36.04	39.09	114.78	90.84	61.08	75.41
134	34.87	33.27	24.47	24.61	57.89	59.35	39.08	41.18	125.14	96.96	65.83	82.11
134.1	30.16	29.14	21.62	22.18	51.32	51.78	34.37	36.47	110.44	85.69	57.98	72.40
134.2	20.23	6.03	7.10	13.13	19.16	27.33	15.50	13.13	53.59	34.66	25.04	34.54
134.3	4.82	6.29	5.55	5.55	11.84	10.37	7.40	8.70	24.62	19.25	12.77	16.01
134.4	23.97	13.14	9.89	18.56	31.70	33.86	21.85	20.79	73.21	53.55	36.07	47.53
134.5	5.90	5.16	5.53	5.53	10.69	11.43	7.37	8.11	25.07	18.06	12.53	16.22
134.6	18.43	16.14	12.02	14.42	30.55	30.45	20.33	21.28	66.15	50.88	34.21	43.24
134.7	15.51	11.65	10.66	13.58	25.22	26.16	17.13	17.94	57.68	42.35	28.82	37.40
134.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.1	24.28	29.71	21.52	17.28	46.98	45.80	30.93	34.25	97.32	77.91	52.65	64.13
135.2	27.63	31.90	19.57	18.91	50.81	47.20	32.67	35.19	101.30	83.48	55.29	66.98
135.3	6.69	20.06	13.38	3.34	23.41	20.06	14.49	18.39	41.80	37.90	25.45	28.14
135.4	8.31	12.50	10.40	6.19	18.69	18.71	12.47	14.55	39.45	31.16	21.47	25.96
135.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.6	6.34	8.57	7.46	7.46	16.03	13.80	9.94	11.74	32.99	25.97	17.17	21.47
135.7	6.01	0.00	3.00	3.00	3.00	9.01	4.00	3.00	15.02	7.01	6.34	9.51
135.8	14.42	12.03	8.89	9.38	21.40	23.31	14.90	15.15	47.83	36.31	24.92	31.37
135.9	13.35	22.15	13.61	10.15	32.31	26.95	19.75	22.96	60.06	52.06	33.99	39.91
136	30.48	31.34	18.89	21.25	52.59	49.36	33.98	35.74	106.35	86.57	57.22	70.17
136.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136.2	5.49	6.98	6.23	6.23	13.21	11.72	8.31	9.72	27.68	21.52	14.32	17.99
136.3	32.10	38.31	25.83	20.73	59.05	57.93	38.99	42.44	121.10	98.04	66.13	80.04
136.4	22.56	24.07	19.50	13.19	37.26	42.06	26.44	28.38	83.63	63.70	44.72	55.04
136.5	31.00	34.41	24.39	22.44	56.85	55.39	37.42	40.62	118.46	94.27	63.43	77.94
136.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136.7	26.87	34.91	21.75	18.01	52.92	48.62	33.85	37.33	103.96	86.76	57.57	68.91
136.8	43.76	47.06	32.55	32.55	79.61	76.31	51.97	56.08	164.94	131.58	87.99	108.45
136.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.1	27.46	31.97	20.40	22.01	53.98	47.86	33.95	37.19	107.06	87.93	57.66	70.50
137.2	15.72	37.43	26.57	7.86	45.29	42.29	29.19	35.93	86.08	74.48	50.90	57.64

137.3	4.31	12.93	8.62	2.15	15.08	12.93	9.34	11.85	26.93	24.41	16.40	18.13
137.4	30.00	37.03	22.92	20.30	57.33	52.92	36.75	40.12	113.34	94.08	62.37	75.05
137.5	27.18	17.62	14.69	22.40	40.03	41.86	27.30	27.36	91.62	67.32	45.51	59.46
137.6	12.96	10.00	11.48	6.48	16.48	24.44	13.64	13.98	44.90	30.12	22.85	29.27
137.7	31.34	40.91	27.49	19.99	60.90	58.83	39.91	44.19	123.02	100.81	67.95	81.47
137.8	16.04	0.00	8.02	8.02	8.02	24.06	10.69	8.02	40.10	18.71	16.93	25.40
137.9	25.07	28.20	17.23	17.23	45.43	42.30	29.24	31.33	90.86	74.67	49.43	60.05
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.2	7.61	0.00	3.80	3.80	3.80	11.41	5.07	3.80	19.02	8.87	8.03	12.04
138.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138.4	20.37	22.58	15.55	14.35	36.93	35.93	24.29	26.24	76.52	61.22	41.13	50.40
138.5	21.14	32.28	23.03	15.51	47.79	44.17	30.65	35.41	95.09	78.44	52.67	62.87
138.6	39.69	34.82	24.72	26.11	60.93	64.41	41.78	42.82	133.34	102.70	69.98	87.56
138.7	14.01	26.57	20.29	9.09	35.67	34.31	23.33	27.98	71.38	58.99	40.43	47.35
138.8	21.28	28.79	21.23	15.70	44.49	42.50	29.00	32.86	91.07	73.49	49.62	60.03
138.9	31.35	40.64	26.67	23.58	64.22	58.02	40.75	45.45	127.05	104.97	69.48	83.90
139	14.68	33.24	23.96	12.74	45.98	38.64	28.20	34.97	86.34	74.18	49.26	57.27
139.1	30.74	33.68	24.39	22.99	56.67	55.14	37.27	40.53	118.66	93.94	63.20	77.97
139.2	6.35	19.06	12.70	3.18	22.23	19.06	13.76	17.47	39.70	36.00	24.17	26.73
139.3	16.62	27.67	18.57	12.38	40.05	35.19	25.08	29.31	76.87	65.13	43.21	50.97
139.4	12.52	33.59	23.05	8.24	41.83	35.57	25.80	32.44	76.25	67.63	45.21	51.03
139.5	11.72	26.59	19.16	9.48	36.07	30.88	22.32	27.61	67.97	58.39	38.96	45.14
139.6	19.16	25.47	15.91	12.78	38.25	35.07	24.44	27.08	74.93	62.69	41.61	49.68
139.7	28.44	32.24	24.30	20.37	52.61	52.75	35.12	38.46	111.57	87.73	59.64	73.35
139.8	21.09	30.77	20.65	16.22	46.99	41.73	29.58	33.82	91.77	76.57	50.71	60.67
139.9	22.32	34.12	22.44	17.18	51.31	44.75	32.02	36.87	98.81	83.33	54.98	65.41
140	21.60	20.09	15.09	13.68	33.77	36.69	23.49	24.43	74.80	57.26	39.46	49.14
140.1	37.25	36.65	28.68	27.84	64.49	65.93	43.48	46.59	140.36	107.97	73.50	91.92
140.2	34.25	38.24	29.41	20.54	58.78	63.67	40.82	44.10	128.31	99.60	69.12	84.56
140.3	43.98	30.31	27.06	27.03	57.35	71.04	42.80	42.20	140.28	100.14	71.13	91.54
140.4	45.69	45.02	33.18	34.17	79.19	78.87	52.69	56.18	169.23	131.87	88.98	110.96
140.5	26.06	25.26	17.51	17.11	42.37	43.57	28.65	29.94	90.62	71.02	48.18	59.63
140.6	59.71	35.11	34.30	36.41	71.51	94.00	55.17	52.90	183.31	126.69	91.20	119.24
140.7	35.25	29.05	25.94	20.73	49.78	61.19	36.99	37.86	119.78	86.77	61.94	78.39
140.8	22.86	26.99	18.93	17.25	44.24	41.79	28.68	31.59	90.63	72.92	48.77	59.65

MPD Data


MPD Summary for US70E
LMPD
RMPD
MPD(mm)
Mileage(mile)


Left MPD Histogram for US70E
Frequency(Left MPD)
Cumulative %
Frequency
Left MPD Bin(mm)
1.00
1.55
2.11
2.67
3.23
3.78
4.34
4.90
5.45
6.01
More


Right MPD Histogram for US70E
Frequency(Right MPD)
Cumulative %
Frequency
Right MPD Bin(mm)
0.95
1.78
2.60
3.43
4.25
5.08
5.90
6.73
7.55
8.38
More

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0	0 / 0	0 / 1365	1.879	1.142
0.1	70 / 819	71 / 136	2.102	1.557
0.2	140 / 1638	141 / 955	2.057	1.516
0.3	211 / 409	211 / 1774	2.163	1.395
0.4	281 / 1228	282 / 545	2.216	1.754
0.5	351 / 2047	352 / 1364	2.009	1.354
0.6	422 / 818	423 / 135	2.152	1.482
0.7	492 / 1637	493 / 954	2.075	1.355
0.8	563 / 408	563 / 1773	2.17	1.223
0.9	633 / 1227	634 / 544	2.185	1.482
1	703 / 2046	704 / 1363	3.144	1.647
1.1	774 / 817	775 / 134	2.126	1.43
1.2	844 / 1636	845 / 953	1.884	1.401
1.3	915 / 407	915 / 1772	1.976	1.516
1.4	985 / 1226	986 / 543	1.882	1.358
1.5	1055 / 2045	1056 / 1362	1.268	1.702
1.6	1126 / 816	1127 / 133	2.274	1.641
1.7	1196 / 1635	1197 / 952	1.772	1.355
1.8	1267 / 406	1267 / 1771	1.831	1.329
1.9	1337 / 1225	1338 / 542	1.743	1.274
2	1407 / 2044	1408 / 1361	1.854	1.509
2.1	1478 / 815	1479 / 132	1.996	1.963
2.2	1548 / 1634	1549 / 951	1.906	1.207
2.3	1619 / 405	1619 / 1770	2.484	1.369
2.4	1689 / 1224	1690 / 541	1.935	1.368
2.5	1759 / 2043	1760 / 1360	2.18	1.457
2.6	1830 / 814	1831 / 131	2.06	1.345
2.7	1900 / 1633	1901 / 950	2.035	1.184
2.8	1971 / 404	1971 / 1769	2.206	1.216
2.9	2041 / 1223	2042 / 540	2.141	1.586
3	2111 / 2042	2112 / 1359	1.872	1.272
3.1	2182 / 813	2183 / 130	2.132	1.833
3.2	2252 / 1632	2253 / 949	1.852	1.443
3.3	2323 / 403	2323 / 1768	2.915	1.212
3.4	2393 / 1222	2394 / 539	2.095	1.343
3.5	2463 / 2041	2464 / 1358	1.72	1.606
3.6	2534 / 812	2535 / 129	2.026	1.502
3.7	2604 / 1631	2605 / 948	1.86	1.992
3.8	2675 / 402	2675 / 1767	1.711	1.226
3.9	2745 / 1221	2746 / 538	2.17	1.359
4	2815 / 2040	2816 / 1357	2.127	1.264

4.1	2886 / 811	2887 / 128	2.28	1.148
4.2	2956 / 1630	2957 / 947	2.676	4.277
4.3	3027 / 401	3027 / 1766	1.771	3.016
4.4	3097 / 1220	3098 / 537	1.829	4.252
4.5	3167 / 2039	3168 / 1356	2.08	1.513
4.6	3238 / 810	3239 / 127	2.145	3.939
4.7	3308 / 1629	3309 / 946	1.891	1.446
4.8	3379 / 400	3379 / 1765	2.005	4.274
4.9	3449 / 1219	3450 / 536	1.788	1.374
5	3519 / 2038	3520 / 1355	1.869	2.083
5.1	3590 / 809	3591 / 126	1.718	2.697
5.2	3660 / 1628	3661 / 945	1.73	1.076
5.3	3731 / 399	3731 / 1764	1.655	1.572
5.4	3801 / 1218	3802 / 535	1.928	1.538
5.5	3871 / 2037	3872 / 1354	1.846	1.323
5.6	3942 / 808	3943 / 125	1.795	1.267
5.7	4012 / 1627	4013 / 944	1.629	1.175
5.8	4083 / 398	4083 / 1763	1.809	1.199
5.9	4153 / 1217	4154 / 534	1.829	1.252
6	4223 / 2036	4224 / 1353	1.923	0.952
6.1	4294 / 807	4295 / 124	2.443	3.407
6.2	4364 / 1626	4365 / 943	2.251	1.197
6.3	4435 / 397	4435 / 1762	1.924	1.175
6.4	4505 / 1216	4506 / 533	2.027	1.346
6.5	4575 / 2035	4576 / 1352	1.747	1.357
6.6	4646 / 806	4647 / 123	2.177	2.077
6.7	4716 / 1625	4717 / 942	2.038	1.769
6.8	4787 / 396	4787 / 1761	2.255	1.958
6.9	4857 / 1215	4858 / 532	2.256	1.859
7	4927 / 2034	4928 / 1351	2.799	1.092
7.1	4998 / 805	4999 / 122	1.851	1.582
7.2	5068 / 1624	5069 / 941	1.881	3.025
7.3	5139 / 395	5139 / 1760	1.9	2.779
7.4	5209 / 1214	5210 / 531	1.689	1.811
7.5	5279 / 2033	5280 / 1350	1.813	5.448
7.6	5350 / 804	5351 / 121	1.907	3.034
7.7	5420 / 1623	5421 / 940	2.472	2.899
7.8	5491 / 394	5491 / 1759	2.103	1.449
7.9	5561 / 1213	5562 / 530	1.927	1.429
8	5631 / 2032	5632 / 1349	1.882	1.349
8.1	5702 / 803	5703 / 120	1.887	1.309
8.2	5772 / 1622	5773 / 939	1.872	1.38
8.3	5843 / 393	5843 / 1758	1.696	1.14

8.4	5913 / 1212	5914 / 529	1.863	1.089
8.5	5983 / 2031	5984 / 1348	1.771	1.264
8.6	6054 / 802	6055 / 119	1.833	1.222
8.7	6124 / 1621	6125 / 938	1.792	1.921
8.8	6195 / 392	6195 / 1757	1.68	1.135
8.9	6265 / 1211	6266 / 528	2.095	1.33
9	6335 / 2030	6336 / 1347	1.796	1.163
9.1	6406 / 801	6407 / 118	1.899	1.195
9.2	6476 / 1620	6477 / 937	1.815	1.129
9.3	6547 / 391	6547 / 1756	1.934	2.723
9.4	6617 / 1210	6618 / 527	1.983	1.298
9.5	6687 / 2029	6688 / 1346	1.694	1.162
9.6	6758 / 800	6759 / 117	1.935	1.137
9.7	6828 / 1619	6829 / 936	1.944	1.848
9.8	6899 / 390	6899 / 1755	1.91	1.221
9.9	6969 / 1209	6970 / 526	1.792	1.788
10	7039 / 2028	7040 / 1345	1.753	1.071
10.1	7110 / 799	7111 / 116	1.844	1.173
10.2	7180 / 1618	7181 / 935	1.765	1.217
10.3	7251 / 389	7251 / 1754	1.856	1.305
10.4	7321 / 1208	7322 / 525	1.793	1.214
10.5	7391 / 2027	7392 / 1344	1.749	1.168
10.6	7462 / 798	7463 / 115	1.913	1.245
10.7	7532 / 1617	7533 / 934	2.013	1.055
10.8	7603 / 388	7603 / 1753	1.725	1.488
10.9	7673 / 1207	7674 / 524	1.484	1.618
11	7743 / 2026	7744 / 1343	1.487	1.805
11.1	7814 / 797	7815 / 114	1.774	1.752
11.2	7884 / 1616	7885 / 933	1.724	1.169
11.3	7955 / 387	7955 / 1752	1.693	1.408
11.4	8025 / 1206	8026 / 523	1.644	1.276
11.5	8095 / 2025	8096 / 1342	1.753	1.154
11.6	8166 / 796	8167 / 113	1.762	1.6
11.7	8236 / 1615	8237 / 932	1.732	1.544
11.8	8307 / 386	8307 / 1751	1.71	1.36
11.9	8377 / 1205	8378 / 522	1.637	1.948
12	8447 / 2024	8448 / 1341	1.795	1.857
12.1	8518 / 795	8519 / 112	1.579	1.35
12.2	8588 / 1614	8589 / 931	1.601	1.58
12.3	8659 / 385	8659 / 1750	1.574	1.829
12.4	8729 / 1204	8730 / 521	1.587	1.156
12.5	8799 / 2023	8800 / 1340	1.724	1.407
12.6	8870 / 794	8871 / 111	1.698	1.146

12.7	8940 / 1613	8941 / 930	1.827	1.306
12.8	9011 / 384	9011 / 1749	1.531	1.649
12.9	9081 / 1203	9082 / 520	1.413	1.094
13	9151 / 2022	9152 / 1339	1.529	1.242
13.1	9222 / 793	9223 / 110	1.769	1.211
13.2	9292 / 1612	9293 / 929	1.281	1.152
13.3	9363 / 383	9363 / 1748	1.353	0.96
13.4	9433 / 1202	9434 / 519	1.468	0.979
13.5	9503 / 2021	9504 / 1338	1.589	1.009
13.6	9574 / 792	9575 / 109	1.901	1.1
13.7	9644 / 1611	9645 / 928	1.782	1.797
13.8	9715 / 382	9715 / 1747	2.172	1.967
13.9	9785 / 1201	9786 / 518	1.538	1.081
14	9855 / 2020	9856 / 1337	1.622	1.082
14.1	9926 / 791	9927 / 108	1.417	1.101
14.2	9996 / 1610	9997 / 927	1.564	1.123
14.3	10067 / 381	10067 / 1746	1.604	1.17
14.4	10137 / 1200	10138 / 517	1.753	1.599
14.5	10207 / 2019	10208 / 1336	1.042	1.724
14.6	10278 / 790	10279 / 107	1.705	1.576
14.7	10348 / 1609	10349 / 926	1.872	1.466
14.8	10419 / 380	10419 / 1745	1.852	1.473
14.9	10489 / 1199	10490 / 516	1.986	1.572
15	10559 / 2018	10560 / 1335	1.948	1.718
15.1	10630 / 789	10631 / 106	2.21	1.331
15.2	10700 / 1608	10701 / 925	4.5	1.463
15.3	10771 / 379	10771 / 1744	5.274	1.923
15.4	10841 / 1198	10842 / 515	2.696	1.554
15.5	10911 / 2017	10912 / 1334	2.166	1.787
15.6	10982 / 788	10983 / 105	1.943	1.53
15.7	11052 / 1607	11053 / 924	2.062	1.387
15.8	11123 / 378	11123 / 1743	1.819	1.425
15.9	11193 / 1197	11194 / 514	2.238	1.388
16	11263 / 2016	11264 / 1333	2.097	1.52
16.1	11334 / 787	11335 / 104	6.01	1.578
16.2	11404 / 1606	11405 / 923	2.007	1.522
16.3	11475 / 377	11475 / 1742	2.133	1.483
16.4	11545 / 1196	11546 / 513	2.05	1.125
16.5	11615 / 2015	11616 / 1332	2.767	1.271
16.6	11686 / 786	11687 / 103	1.936	1.301
16.7	11756 / 1605	11757 / 922	1.717	1.296
16.8	11827 / 376	11827 / 1741	1.932	1.397
16.9	11897 / 1195	11898 / 512	1.81	1.562

17	11967 / 2014	11968 / 1331	1.816	1.568
17.1	12038 / 785	12039 / 102	1.962	1.401
17.2	12108 / 1604	12109 / 921	1.745	1.24
17.3	12179 / 375	12179 / 1740	1.94	1.369
17.4	12249 / 1194	12250 / 511	1.788	1.362
17.5	12319 / 2013	12320 / 1330	1.912	1.298
17.6	12390 / 784	12391 / 101	1.86	1.382
17.7	12460 / 1603	12461 / 920	2.092	1.668
17.8	12531 / 374	12531 / 1739	1.801	1.316
17.9	12601 / 1193	12602 / 510	1.869	1.264
18	12671 / 2012	12672 / 1329	1.776	1.3
18.1	12742 / 783	12743 / 100	1.967	1.521
18.2	12812 / 1602	12813 / 919	1.937	1.371
18.3	12883 / 373	12883 / 1738	1.84	1.616
18.4	12953 / 1192	12954 / 509	1.894	1.466
18.5	13023 / 2011	13024 / 1328	1.869	1.308
18.6	13094 / 782	13095 / 99	1.623	1.154
18.7	13164 / 1601	13165 / 918	1.728	1.377
18.8	13235 / 372	13235 / 1737	2.274	1.842
18.9	13305 / 1191	13306 / 508	2.022	1.956
19	13375 / 2010	13376 / 1327	2.22	1.837
19.1	13446 / 781	13447 / 98	1.806	1.545
19.2	13516 / 1600	13517 / 917	2.025	1.589
19.3	13587 / 371	13587 / 1736	1.983	1.241
19.4	13657 / 1190	13658 / 507	2.144	1.323
19.5	13727 / 2009	13728 / 1326	2.123	1.374
19.6	13798 / 780	13799 / 97	1.916	1.235
19.7	13868 / 1599	13869 / 916	2.022	1.23
19.8	13939 / 370	13939 / 1735	2.014	1.109
19.9	14009 / 1189	14010 / 506	1.799	1.194
20	14079 / 2008	14080 / 1325	1.866	1.172
20.1	14150 / 779	14151 / 96	1.773	1.313
20.2	14220 / 1598	14221 / 915	1.786	1.203
20.3	14291 / 369	14291 / 1734	1.699	1.098
20.4	14361 / 1188	14362 / 505	1.682	1.216
20.5	14431 / 2007	14432 / 1324	1.765	1.185
20.6	14502 / 778	14503 / 95	1.682	1.206
20.7	14572 / 1597	14573 / 914	1.662	1.271
20.8	14643 / 368	14643 / 1733	1.633	1.136
20.9	14713 / 1187	14714 / 504	1.712	1.188
21	14783 / 2006	14784 / 1323	1.763	1.396
21.1	14854 / 777	14855 / 94	1.855	1.272
21.2	14924 / 1596	14925 / 913	1.798	1.245

21.3	14995 / 367	14995 / 1732	1.827	1.234
21.4	15065 / 1186	15066 / 503	1.702	1.222
21.5	15135 / 2005	15136 / 1322	1.844	1.184
21.6	15206 / 776	15207 / 93	1.909	1.195
21.7	15276 / 1595	15277 / 912	1.814	1.197
21.8	15347 / 366	15347 / 1731	1.789	1.319
21.9	15417 / 1185	15418 / 502	1.885	1.299
22	15487 / 2004	15488 / 1321	1.902	1.311
22.1	15558 / 775	15559 / 92	1.884	1.274
22.2	15628 / 1594	15629 / 911	1.93	1.374
22.3	15699 / 365	15699 / 1730	1.796	1.261
22.4	15769 / 1184	15770 / 501	2.069	1.263
22.5	15839 / 2003	15840 / 1320	1.842	1.248
22.6	15910 / 774	15911 / 91	1.847	1.592
22.7	15980 / 1593	15981 / 910	1.722	1.334
22.8	16051 / 364	16051 / 1729	1.722	1.427
22.9	16121 / 1183	16122 / 500	1.757	1.406
23	16191 / 2002	16192 / 1319	1.806	1.554
23.1	16262 / 773	16263 / 90	1.859	1.427
23.2	16332 / 1592	16333 / 909	1.85	1.615
23.3	16403 / 363	16403 / 1728	1.779	1.354
23.4	16473 / 1182	16474 / 499	1.971	1.595
23.5	16543 / 2001	16544 / 1318	1.797	1.736
23.6	16614 / 772	16615 / 89	1.672	1.462
23.7	16684 / 1591	16685 / 908	1.59	1.536
23.8	16755 / 362	16755 / 1727	1.652	1.507
23.9	16825 / 1181	16826 / 498	1.516	1.575
24	16895 / 2000	16896 / 1317	1.535	1.217
24.1	16966 / 771	16967 / 88	1.588	1.258
24.2	17036 / 1590	17037 / 907	1.648	1.506
24.3	17107 / 361	17107 / 1726	1.589	1.437
24.4	17177 / 1180	17178 / 497	1.591	1.253
24.5	17247 / 1999	17248 / 1316	2.198	1.748
24.6	17318 / 770	17319 / 87	1.646	1.443
24.7	17388 / 1589	17389 / 906	2.105	2.08
24.8	17459 / 360	17459 / 1725	1.678	1.351
24.9	17529 / 1179	17530 / 496	1.818	2.001
25	17599 / 1998	17600 / 1315	1.525	1.368
25.1	17670 / 769	17671 / 86	1.511	1.507
25.2	17740 / 1588	17741 / 905	1.625	1.32
25.3	17811 / 359	17811 / 1724	1.65	1.474
25.4	17881 / 1178	17882 / 495	1.581	1.438
25.5	17951 / 1997	17952 / 1314	1.589	1.181

25.6	18022 / 768	18023 / 85	1.459	1.125
25.7	18092 / 1587	18093 / 904	1.676	1.192
25.8	18163 / 358	18163 / 1723	1.646	1.361
25.9	18233 / 1177	18234 / 494	1.579	1.307
26	18303 / 1996	18304 / 1313	2.108	1.812
26.1	18374 / 767	18375 / 84	1.832	8.375
26.2	18444 / 1586	18445 / 903	1.419	1.306
26.3	18515 / 357	18515 / 1722	1.378	1.122
26.4	18585 / 1176	18586 / 493	1.49	1.22
26.5	18655 / 1995	18656 / 1312	1.409	0.995
26.6	18726 / 766	18727 / 83	1.973	1.68
26.7	18796 / 1585	18797 / 902	1.524	1.22
26.8	18867 / 356	18867 / 1721	1.484	1.101
26.9	18937 / 1175	18938 / 492	1.581	1.059
27	19007 / 1994	19008 / 1311	1.481	1.34
27.1	19078 / 765	19079 / 82	1.543	1.152
27.2	19148 / 1584	19149 / 901	1.675	1.139
27.3	19219 / 355	19219 / 1720	1.76	1.229
27.4	19289 / 1174	19290 / 491	1.75	1.418
27.5	19359 / 1993	19360 / 1310	2.013	1.391
27.6	19430 / 764	19431 / 81	1.733	1.262
27.7	19500 / 1583	19501 / 900	1.818	1.475
27.8	19571 / 354	19571 / 1719	1.773	1.38
27.9	19641 / 1173	19642 / 490	1.757	1.369
28	19711 / 1992	19712 / 1309	1.686	1.953
28.1	19782 / 763	19783 / 80	1.557	0.999
28.2	19852 / 1582	19853 / 899	1.809	1.38
28.3	19923 / 353	19923 / 1718	1.679	1.434
28.4	19993 / 1172	19994 / 489	1.517	1.13
28.5	20063 / 1991	20064 / 1308	1.618	1.413
28.6	20134 / 762	20135 / 79	1.513	1.44
28.7	20204 / 1581	20205 / 898	2.283	2.614
28.8	20275 / 352	20275 / 1717	1.66	1.55
28.9	20345 / 1171	20346 / 488	1.878	1.367
29	20415 / 1990	20416 / 1307	1.742	1.456
29.1	20486 / 761	20487 / 78	1.795	1.273
29.2	20556 / 1580	20557 / 897	1.601	1.559
29.3	20627 / 351	20627 / 1716	1.672	1.469
29.4	20697 / 1170	20698 / 487	1.653	1.472
29.5	20767 / 1989	20768 / 1306	1.501	1.317
29.6	20838 / 760	20839 / 77	1.685	1.68
29.7	20908 / 1579	20909 / 896	2.689	1.749
29.8	20979 / 350	20979 / 1715	2.879	1.725

29.9	21049 / 1169	21050 / 486	3.192	1.659
30	21119 / 1988	21120 / 1305	3.327	2.126
30.1	21190 / 759	21191 / 76	2.571	1.578
30.2	21260 / 1578	21261 / 895	2.93	1.874
30.3	21331 / 349	21331 / 1714	2.936	1.855
30.4	21401 / 1168	21402 / 485	3.13	1.875
30.5	21471 / 1987	21472 / 1304	3.331	2.26
30.6	21542 / 758	21543 / 75	3.383	2.177
30.7	21612 / 1577	21613 / 894	2.788	2.136
30.8	21683 / 348	21683 / 1713	2.182	3.176
30.9	21753 / 1167	21754 / 484	2.75	2.236
31	21823 / 1986	21824 / 1303	2.409	1.604
31.1	21894 / 757	21895 / 74	2.688	1.734
31.2	21964 / 1576	21965 / 893	2.24	1.581
31.3	22035 / 347	22035 / 1712	2.813	2.108
31.4	22105 / 1166	22106 / 483	2.914	2.122
31.5	22175 / 1985	22176 / 1302	3.308	1.635
31.6	22246 / 756	22247 / 73	3.371	1.814
31.7	22316 / 1575	22317 / 892	2.914	1.675
31.8	22387 / 346	22387 / 1711	3.114	1.943
31.9	22457 / 1165	22458 / 482	3.466	1.772
32	22527 / 1984	22528 / 1301	3.461	1.902
32.1	22598 / 755	22599 / 72	3.446	1.46
32.2	22668 / 1574	22669 / 891	3.367	1.719
32.3	22739 / 345	22739 / 1710	3.541	1.952
32.4	22809 / 1164	22810 / 481	3.476	1.791
32.5	22879 / 1983	22880 / 1300	3.405	1.87
32.6	22950 / 754	22951 / 71	2.921	1.829
32.7	23020 / 1573	23021 / 890	3.152	1.599
32.8	23091 / 344	23091 / 1709	1.778	1.297
32.9	23161 / 1163	23162 / 480	1.784	1.239
33	23231 / 1982	23232 / 1299	1.821	1.372
33.1	23302 / 753	23303 / 70	1.839	1.347
33.2	23372 / 1572	23373 / 889	1.709	1.388
33.3	23443 / 343	23443 / 1708	1.8	1.491
33.4	23513 / 1162	23514 / 479	1.749	1.385
33.5	23583 / 1981	23584 / 1298	1.822	1.334
33.6	23654 / 752	23655 / 69	1.945	1.272
33.7	23724 / 1571	23725 / 888	1.664	1.417
33.8	23795 / 342	23795 / 1707	1.808	1.266
33.9	23865 / 1161	23866 / 478	1.66	1.333
34	23935 / 1980	23936 / 1297	1.674	1.235
34.1	24006 / 751	24007 / 68	1.752	1.399

34.2	24076 / 1570	24077 / 887	1.79	1.392
34.3	24147 / 341	24147 / 1706	1.809	1.274
34.4	24217 / 1160	24218 / 477	1.783	1.261
34.5	24287 / 1979	24288 / 1296	1.798	1.337
34.6	24358 / 750	24359 / 67	1.952	1.446
34.7	24428 / 1569	24429 / 886	1.79	1.314
34.8	24499 / 340	24499 / 1705	1.893	1.328
34.9	24569 / 1159	24570 / 476	1.84	1.419
35	24639 / 1978	24640 / 1295	1.815	1.38
35.1	24710 / 749	24711 / 66	1.812	1.434
35.2	24780 / 1568	24781 / 885	1.813	1.374
35.3	24851 / 339	24851 / 1704	1.71	1.276
35.4	24921 / 1158	24922 / 475	1.799	1.291
35.5	24991 / 1977	24992 / 1294	1.997	1.379
35.6	25062 / 748	25063 / 65	1.744	1.402
35.7	25132 / 1567	25133 / 884	1.791	1.437
35.8	25203 / 338	25203 / 1703	1.718	1.439
35.9	25273 / 1157	25274 / 474	1.739	1.444
36	25343 / 1976	25344 / 1293	1.736	1.33
36.1	25414 / 747	25415 / 64	1.698	1.441
36.2	25484 / 1566	25485 / 883	1.875	1.335
36.3	25555 / 337	25555 / 1702	1.674	1.417
36.4	25625 / 1156	25626 / 473	1.727	1.331
36.5	25695 / 1975	25696 / 1292	1.863	1.599
36.6	25766 / 746	25767 / 63	1.882	1.334
36.7	25836 / 1565	25837 / 882	1.875	1.456
36.8	25907 / 336	25907 / 1701	1.8	1.503
36.9	25977 / 1155	25978 / 472	1.857	1.377
37	26047 / 1974	26048 / 1291	1.739	1.469
37.1	26118 / 745	26119 / 62	1.985	1.508
37.2	26188 / 1564	26189 / 881	1.696	1.414
37.3	26259 / 335	26259 / 1700	1.827	1.28
37.4	26329 / 1154	26330 / 471	1.753	1.348
37.5	26399 / 1973	26400 / 1290	1.704	1.15
37.6	26470 / 744	26471 / 61	1.726	1.221
37.7	26540 / 1563	26541 / 880	1.75	1.217
37.8	26611 / 334	26611 / 1699	1.768	1.188
37.9	26681 / 1153	26682 / 470	1.785	1.287
38	26751 / 1972	26752 / 1289	1.788	1.265
38.1	26822 / 743	26823 / 60	1.779	1.557
38.2	26892 / 1562	26893 / 879	1.706	1.269
38.3	26963 / 333	26963 / 1698	1.76	1.202
38.4	27033 / 1152	27034 / 469	1.632	1.194

38.5	27103 / 1971	27104 / 1288	1.685	1.194
38.6	27174 / 742	27175 / 59	1.76	1.242
38.7	27244 / 1561	27245 / 878	1.777	1.313
38.8	27315 / 332	27315 / 1697	1.882	1.36
38.9	27385 / 1151	27386 / 468	1.879	1.277
39	27455 / 1970	27456 / 1287	1.704	1.133
39.1	27526 / 741	27527 / 58	1.622	1.141
39.2	27596 / 1560	27597 / 877	1.7	1.446
39.3	27667 / 331	27667 / 1696	2.235	1.805
39.4	27737 / 1150	27738 / 467	1.743	1.355
39.5	27807 / 1969	27808 / 1286	1.731	1.297
39.6	27878 / 740	27879 / 57	1.592	1.227
39.7	27948 / 1559	27949 / 876	1.998	1.93
39.8	28019 / 330	28019 / 1695	1.664	1.107
39.9	28089 / 1149	28090 / 466	1.79	1.221
40	28159 / 1968	28160 / 1285	1.574	1.113
40.1	28230 / 739	28231 / 56	1.632	1.259
40.2	28300 / 1558	28301 / 875	1.632	1.126
40.3	28371 / 329	28371 / 1694	1.644	1.503
40.4	28441 / 1148	28442 / 465	1.784	1.36
40.5	28511 / 1967	28512 / 1284	1.737	1.346
40.6	28582 / 738	28583 / 55	1.88	1.399
40.7	28652 / 1557	28653 / 874	1.92	1.263
40.8	28723 / 328	28723 / 1693	1.794	1.37
40.9	28793 / 1147	28794 / 464	1.91	1.408
41	28863 / 1966	28864 / 1283	1.947	1.403
41.1	28934 / 737	28935 / 54	1.878	1.493
41.2	29004 / 1556	29005 / 873	1.991	1.486
41.3	29075 / 327	29075 / 1692	1.816	1.376
41.4	29145 / 1146	29146 / 463	1.873	1.445
41.5	29215 / 1965	29216 / 1282	2.25	1.654
41.6	29286 / 736	29287 / 53	2.126	1.432
41.7	29356 / 1555	29357 / 872	2.054	1.637
41.8	29427 / 326	29427 / 1691	2.019	1.524
41.9	29497 / 1145	29498 / 462	2.219	1.455
42	29567 / 1964	29568 / 1281	2.059	1.697
42.1	29638 / 735	29639 / 52	2.172	2.121
42.2	29708 / 1554	29709 / 871	2.027	1.426
42.3	29779 / 325	29779 / 1690	2.057	1.521
42.4	29849 / 1144	29850 / 461	2.06	1.505
42.5	29919 / 1963	29920 / 1280	2.061	1.503
42.6	29990 / 734	29991 / 51	1.987	1.452
42.7	30060 / 1553	30061 / 870	2.099	1.485

42.8	30131 / 324	30131 / 1689	1.969	1.47
42.9	30201 / 1143	30202 / 460	1.957	1.487
43	30271 / 1962	30272 / 1279	2.216	1.777
43.1	30342 / 733	30343 / 50	2.05	1.692
43.2	30412 / 1552	30413 / 869	2.504	1.691
43.3	30483 / 323	30483 / 1688	2.047	1.577
43.4	30553 / 1142	30554 / 459	2.124	1.541
43.5	30623 / 1961	30624 / 1278	2.175	1.664
43.6	30694 / 732	30695 / 49	2.014	1.592
43.7	30764 / 1551	30765 / 868	1.989	1.569
43.8	30835 / 322	30835 / 1687	2.377	1.754
43.9	30905 / 1141	30906 / 458	1.922	1.434
44	30975 / 1960	30976 / 1277	2.141	1.243
44.1	31046 / 731	31047 / 48	2.198	1.309
44.2	31116 / 1550	31117 / 867	1.919	1.583
44.3	31187 / 321	31187 / 1686	1.84	1.543
44.4	31257 / 1140	31258 / 457	1.907	2.347
44.5	31327 / 1959	31328 / 1276	1.782	1.851
44.6	31398 / 730	31399 / 47	1.811	1.501
44.7	31468 / 1549	31469 / 866	1.78	1.536
44.8	31539 / 320	31539 / 1685	1.783	1.436
44.9	31609 / 1139	31610 / 456	1.797	1.362
45	31679 / 1958	31680 / 1275	2.439	2.686
45.1	31750 / 729	31751 / 46	1.881	1.692
45.2	31820 / 1548	31821 / 865	1.825	1.859
45.3	31891 / 319	31891 / 1684	2.118	1.782
45.4	31961 / 1138	31962 / 455	1.893	1.772
45.5	32031 / 1957	32032 / 1274	1.99	1.534
45.6	32102 / 728	32103 / 45	1.793	1.531
45.7	32172 / 1547	32173 / 864	1.727	1.569
45.8	32243 / 318	32243 / 1683	1.928	1.623
45.9	32313 / 1137	32314 / 454	1.874	1.397
46	32383 / 1956	32384 / 1273	1.907	1.664
46.1	32454 / 727	32455 / 44	1.834	1.794
46.2	32524 / 1546	32525 / 863	1.938	1.861
46.3	32595 / 317	32595 / 1682	1.857	1.914
46.4	32665 / 1136	32666 / 453	1.732	1.726
46.5	32735 / 1955	32736 / 1272	2.089	2.171
46.6	32806 / 726	32807 / 43	1.973	2.125
46.7	32876 / 1545	32877 / 862	1.999	1.845
46.8	32947 / 316	32947 / 1681	1.779	1.492
46.9	33017 / 1135	33018 / 452	1.796	1.649
47	33087 / 1954	33088 / 1271	1.687	1.414

47.1	33158 / 725	33159 / 42	1.775	1.497
47.2	33228 / 1544	33229 / 861	2.051	1.68
47.3	33299 / 315	33299 / 1680	1.89	1.455
47.4	33369 / 1134	33370 / 451	2.548	1.823
47.5	33439 / 1953	33440 / 1270	1.792	1.82
47.6	33510 / 724	33511 / 41	2.302	2.564
47.7	33580 / 1543	33581 / 860	1.81	1.539
47.8	33651 / 314	33651 / 1679	1.732	1.908
47.9	33721 / 1133	33722 / 450	1.735	1.658
48	33791 / 1952	33792 / 1269	1.761	1.613
48.1	33862 / 723	33863 / 40	1.848	1.363
48.2	33932 / 1542	33933 / 859	1.819	1.324
48.3	34003 / 313	34003 / 1678	1.819	1.608
48.4	34073 / 1132	34074 / 449	1.851	1.476
48.5	34143 / 1951	34144 / 1268	2.015	1.736
48.6	34214 / 722	34215 / 39	2.263	1.528
48.7	34284 / 1541	34285 / 858	2.039	1.4
48.8	34355 / 312	34355 / 1677	2.061	1.65
48.9	34425 / 1131	34426 / 448	2.201	1.698
49	34495 / 1950	34496 / 1267	1.74	1.31
49.1	34566 / 721	34567 / 38	1.874	1.424
49.2	34636 / 1540	34637 / 857	1.768	1.61
49.3	34707 / 311	34707 / 1676	1.924	1.496
49.4	34777 / 1130	34778 / 447	1.903	1.391
49.5	34847 / 1949	34848 / 1266	1.706	1.5
49.6	34918 / 720	34919 / 37	1.926	1.403
49.7	34988 / 1539	34989 / 856	1.879	1.63
49.8	35059 / 310	35059 / 1675	1.93	1.414
49.9	35129 / 1129	35130 / 446	1.945	1.305
50	35199 / 1948	35200 / 1265	1.931	1.368
50.1	35270 / 719	35271 / 36	2.071	1.349
50.2	35340 / 1538	35341 / 855	1.736	1.189
50.3	35411 / 309	35411 / 1674	1.809	1.332
50.4	35481 / 1128	35482 / 445	1.74	1.358
50.5	35551 / 1947	35552 / 1264	1.816	1.23
50.6	35622 / 718	35623 / 35	1.761	1.239
50.7	35692 / 1537	35693 / 854	1.975	1.257
50.8	35763 / 308	35763 / 1673	2.026	1.298
50.9	35833 / 1127	35834 / 444	1.871	1.262
51	35903 / 1946	35904 / 1263	1.691	1.236
51.1	35974 / 717	35975 / 34	1.75	1.208
51.2	36044 / 1536	36045 / 853	1.922	1.141
51.3	36115 / 307	36115 / 1672	1.858	1.343

51.4	36185 / 1126	36186 / 443	2.089	1.345
51.5	36255 / 1945	36256 / 1262	2.15	1.218
51.6	36326 / 716	36327 / 33	2.537	1.611
51.7	36396 / 1535	36397 / 852	2.227	1.414
51.8	36467 / 306	36467 / 1671	2.284	1.482
51.9	36537 / 1125	36538 / 442	2.096	1.437
52	36607 / 1944	36608 / 1261	2.486	1.416
52.1	36678 / 715	36679 / 32	2.138	1.297
52.2	36748 / 1534	36749 / 851	2.143	1.476
52.3	36819 / 305	36819 / 1670	2.277	1.38
52.4	36889 / 1124	36890 / 441	2.303	1.373
52.5	36959 / 1943	36960 / 1260	2.374	1.296
52.6	37030 / 714	37031 / 31	2.306	1.284
52.7	37100 / 1533	37101 / 850	2.404	1.424
52.8	37171 / 304	37171 / 1669	2.399	1.518
52.9	37241 / 1123	37242 / 440	2.268	1.429
53	37311 / 1942	37312 / 1259	2.372	1.366
53.1	37382 / 713	37383 / 30	2.433	1.476
53.2	37452 / 1532	37453 / 849	2.352	1.304
53.3	37523 / 303	37523 / 1668	2.221	1.356
53.4	37593 / 1122	37594 / 439	2.428	1.341
53.5	37663 / 1941	37664 / 1258	2.55	1.402
53.6	37734 / 712	37735 / 29	2.544	1.348
53.7	37804 / 1531	37805 / 848	2.343	1.288
53.8	37875 / 302	37875 / 1667	2.208	1.403
53.9	37945 / 1121	37946 / 438	2.371	1.443
54	38015 / 1940	38016 / 1257	2.082	1.475
54.1	38086 / 711	38087 / 28	2.41	1.328
54.2	38156 / 1530	38157 / 847	2.234	1.205
54.3	38227 / 301	38227 / 1666	2.096	1.279
54.4	38297 / 1120	38298 / 437	2.012	1.314
54.5	38367 / 1939	38368 / 1256	2.342	1.329
54.6	38438 / 710	38439 / 27	2.483	1.489
54.7	38508 / 1529	38509 / 846	2.522	1.259
54.8	38579 / 300	38579 / 1665	2.218	1.358
54.9	38649 / 1119	38650 / 436	1.932	1.331
55	38719 / 1938	38720 / 1255	2.031	1.288
55.1	38790 / 709	38791 / 26	2.517	1.375
55.2	38860 / 1528	38861 / 845	2.363	1.465
55.3	38931 / 299	38931 / 1664	2.114	1.253
55.4	39001 / 1118	39002 / 435	2.206	1.35
55.5	39071 / 1937	39072 / 1254	2.26	1.38
55.6	39142 / 708	39143 / 25	2.876	1.569

55.7	39212 / 1527	39213 / 844	2.42	1.285
55.8	39283 / 298	39283 / 1663	2.488	1.331
55.9	39353 / 1117	39354 / 434	2.208	1.249
56	39423 / 1936	39424 / 1253	1.935	1.168
56.1	39494 / 707	39495 / 24	1.889	1.37
56.2	39564 / 1526	39565 / 843	1.91	1.272
56.3	39635 / 297	39635 / 1662	2.029	1.235
56.4	39705 / 1116	39706 / 433	1.954	1.223
56.5	39775 / 1935	39776 / 1252	1.572	1.022
56.6	39846 / 706	39847 / 23	1.598	1.082
56.7	39916 / 1525	39917 / 842	1.589	1.188
56.8	39987 / 296	39987 / 1661	1.515	1.11
56.9	40057 / 1115	40058 / 432	1.674	1.425
57	40127 / 1934	40128 / 1251	1.972	1.298
57.1	40198 / 705	40199 / 22	2.206	1.619
57.2	40268 / 1524	40269 / 841	1.97	1.621
57.3	40339 / 295	40339 / 1660	1.934	1.414
57.4	40409 / 1114	40410 / 431	2.001	1.661
57.5	40479 / 1933	40480 / 1250	1.968	1.664
57.6	40550 / 704	40551 / 21	2.3	2.336
57.7	40620 / 1523	40621 / 840	1.618	1.578
57.8	40691 / 294	40691 / 1659	1.322	1.267
57.9	40761 / 1113	40762 / 430	1.866	1.645
58	40831 / 1932	40832 / 1249	1.105	6.125
58.1	40902 / 703	40903 / 20	1.864	1.576
58.2	40972 / 1522	40973 / 839	2.165	1.827
58.3	41043 / 293	41043 / 1658	1.734	1.623
58.4	41113 / 1112	41114 / 429	1.651	1.436
58.5	41183 / 1931	41184 / 1248	1.868	1.164
58.6	41254 / 702	41255 / 19	1.777	1.207
58.7	41324 / 1521	41325 / 838	1.808	1.161
58.8	41395 / 292	41395 / 1657	1.841	1.19
58.9	41465 / 1111	41466 / 428	1.78	1.169
59	41535 / 1930	41536 / 1247	1.557	0.954
59.1	41606 / 701	41607 / 18	2.697	1.473
59.2	41676 / 1520	41677 / 837	1.63	1.267
59.3	41747 / 291	41747 / 1656	1.785	1.369
59.4	41817 / 1110	41818 / 427	2.333	1.547
59.5	41887 / 1929	41888 / 1246	1.762	1.254
59.6	41958 / 700	41959 / 17	1.695	1.248
59.7	42028 / 1519	42029 / 836	1.88	1.264
59.8	42099 / 290	42099 / 1655	1.751	1.278
59.9	42169 / 1109	42170 / 426	1.606	1.241

60	42239 / 1928	42240 / 1245	1.707	1.361
60.1	42310 / 699	42311 / 16	2.382	1.642
60.2	42380 / 1518	42381 / 835	1.696	1.341
60.3	42451 / 289	42451 / 1654	1.667	1.247
60.4	42521 / 1108	42522 / 425	1.644	1.278
60.5	42591 / 1927	42592 / 1244	2.233	1.632
60.6	42662 / 698	42663 / 15	1.478	1.179
60.7	42732 / 1517	42733 / 834	1.483	1.246
60.8	42803 / 288	42803 / 1653	1.448	1.265
60.9	42873 / 1107	42874 / 424	2.25	1.425
61	42943 / 1926	42944 / 1243	1.607	1.306
61.1	43014 / 697	43015 / 14	1.545	1.378
61.2	43084 / 1516	43085 / 833	1.603	1.311
61.3	43155 / 287	43155 / 1652	1.565	1.228
61.4	43225 / 1106	43226 / 423	1.591	1.129
61.5	43295 / 1925	43296 / 1242	1.575	1.236
61.6	43366 / 696	43367 / 13	1.518	1.147
61.7	43436 / 1515	43437 / 832	1.628	1.283
61.8	43507 / 286	43507 / 1651	1.539	1.221
61.9	43577 / 1105	43578 / 422	1.622	1.301
62	43647 / 1924	43648 / 1241	1.676	1.375
62.1	43718 / 695	43719 / 12	1.548	1.233
62.2	43788 / 1514	43789 / 831	1.928	1.442
62.3	43859 / 285	43859 / 1650	1.696	1.358
62.4	43929 / 1104	43930 / 421	1.666	1.4
62.5	43999 / 1923	44000 / 1240	1.775	1.359
62.6	44070 / 694	44071 / 11	1.614	1.136
62.7	44140 / 1513	44141 / 830	1.647	1.221
62.8	44211 / 284	44211 / 1649	2.11	1.76
62.9	44281 / 1103	44282 / 420	2.062	1.7
63	44351 / 1922	44352 / 1239	2.107	1.744
63.1	44422 / 693	44423 / 10	2.37	2.14
63.2	44492 / 1512	44493 / 829	1.932	1.833
63.3	44563 / 283	44563 / 1648	1.906	2.008
63.4	44633 / 1102	44634 / 419	1.922	2.168
63.5	44703 / 1921	44704 / 1238	1.969	2.521
63.6	44774 / 692	44775 / 9	2.23	2.157
63.7	44844 / 1511	44845 / 828	1.944	2.018
63.8	44915 / 282	44915 / 1647	2.014	2.061
63.9	44985 / 1101	44986 / 418	1.927	2.111
64	45055 / 1920	45056 / 1237	1.878	1.97
64.1	45126 / 691	45127 / 8	2.109	1.735
64.2	45196 / 1510	45197 / 827	1.912	1.326

64.3	45267 / 281	45267 / 1646	2.021	2.609
64.4	45337 / 1100	45338 / 417	2.444	2.014
64.5	45407 / 1919	45408 / 1236	1.977	2.647
64.6	45478 / 690	45479 / 7	1.965	2.056
64.7	45548 / 1509	45549 / 826	2.363	2.635
64.8	45619 / 280	45619 / 1645	2.299	1.434
64.9	45689 / 1099	45690 / 416	2.138	1.215
65	45759 / 1918	45760 / 1235	2.529	1.535
65.1	45830 / 689	45831 / 6	2.313	1.459
65.2	45900 / 1508	45901 / 825	2.219	1.405
65.3	45971 / 279	45971 / 1644	1.959	1.764
65.4	46041 / 1098	46042 / 415	2.015	1.442
65.5	46111 / 1917	46112 / 1234	2.102	1.462
65.6	46182 / 688	46183 / 5	2.173	1.609
65.7	46252 / 1507	46253 / 824	3.032	1.664
65.8	46323 / 278	46323 / 1643	2.046	1.54
65.9	46393 / 1097	46394 / 414	3.363	1.586
66	46463 / 1916	46464 / 1233	2.345	1.59
66.1	46534 / 687	46535 / 4	2.999	1.488
66.2	46604 / 1506	46605 / 823	2.229	2.037
66.3	46675 / 277	46675 / 1642	1.977	1.409
66.4	46745 / 1096	46746 / 413	2.57	1.704
66.5	46815 / 1915	46816 / 1232	2.171	1.467
66.6	46886 / 686	46887 / 3	2.086	1.541
66.7	46956 / 1505	46957 / 822	2.052	1.836
66.8	47027 / 276	47027 / 1641	1.863	1.66
66.9	47097 / 1095	47098 / 412	1.843	1.47
67	47167 / 1914	47168 / 1231	2.057	1.421
67.1	47238 / 685	47239 / 2	1.928	1.461
67.2	47308 / 1504	47309 / 821	2.389	1.677
67.3	47379 / 275	47379 / 1640	1.809	2.367
67.4	47449 / 1094	47450 / 411	1.919	1.75
67.5	47519 / 1913	47520 / 1230	2.044	1.524
67.6	47590 / 684	47591 / 1	2.055	1.342
67.7	47660 / 1503	47661 / 820	2.009	1.444
67.8	47731 / 274	47731 / 1639	2.146	1.47
67.9	47801 / 1093	47802 / 410	2.198	2.981
68	47871 / 1912	47872 / 1229	2.191	1.967
68.1	47942 / 683	47943 / 0	1.858	1.684
68.2	48012 / 1502	48013 / 819	1.909	3.204
68.3	48083 / 273	48083 / 1638	2.091	1.822
68.4	48153 / 1092	48154 / 409	1.775	1.539
68.5	48223 / 1911	48224 / 1228	2.034	2.434

68.6	48294 / 682	48294 / 2047	2.016	1.612
68.7	48364 / 1501	48365 / 818	2.07	1.754
68.8	48435 / 272	48435 / 1637	1.834	1.577
68.9	48505 / 1091	48506 / 408	1.77	1.835
69	48575 / 1910	48576 / 1227	1.928	1.893
69.1	48646 / 681	48646 / 2046	1.921	1.763
69.2	48716 / 1500	48717 / 817	1.845	1.632
69.3	48787 / 271	48787 / 1636	1.744	1.572
69.4	48857 / 1090	48858 / 407	1.729	1.576
69.5	48927 / 1909	48928 / 1226	1.722	1.551
69.6	48998 / 680	48998 / 2045	1.655	1.515
69.7	49068 / 1499	49069 / 816	1.731	1.633
69.8	49139 / 270	49139 / 1635	1.863	1.658
69.9	49209 / 1089	49210 / 406	1.781	1.635
70	49279 / 1908	49280 / 1225	1.74	1.626
70.1	49350 / 679	49350 / 2044	1.87	1.567
70.2	49420 / 1498	49421 / 815	1.768	1.568
70.3	49491 / 269	49491 / 1634	3.28	1.659
70.4	49561 / 1088	49562 / 405	2.309	1.729
70.5	49631 / 1907	49632 / 1224	2.51	1.656
70.6	49702 / 678	49702 / 2043	2.657	1.429
70.7	49772 / 1497	49773 / 814	3.581	1.538
70.8	49843 / 268	49843 / 1633	2.787	1.569
70.9	49913 / 1087	49914 / 404	2.604	1.473
71	49983 / 1906	49984 / 1223	2.703	1.531
71.1	50054 / 677	50054 / 2042	2.714	1.504
71.2	50124 / 1496	50125 / 813	2.8	1.53
71.3	50195 / 267	50195 / 1632	2.329	1.322
71.4	50265 / 1086	50266 / 403	2.481	1.448
71.5	50335 / 1905	50336 / 1222	3.436	1.6
71.6	50406 / 676	50406 / 2041	2.033	1.66
71.7	50476 / 1495	50477 / 812	2.634	1.546
71.8	50547 / 266	50547 / 1631	2.323	1.602
71.9	50617 / 1085	50618 / 402	2.628	1.452
72	50687 / 1904	50688 / 1221	2.717	1.45
72.1	50758 / 675	50758 / 2040	2.2	1.586
72.2	50828 / 1494	50829 / 811	2.202	1.557
72.3	50899 / 265	50899 / 1630	2.671	1.46
72.4	50969 / 1084	50970 / 401	2.556	1.391
72.5	51039 / 1903	51040 / 1220	2.296	1.591
72.6	51110 / 674	51110 / 2039	2.253	1.617
72.7	51180 / 1493	51181 / 810	2.508	1.561
72.8	51251 / 264	51251 / 1629	2.554	1.542

72.9	51321 / 1083	51322 / 400	2.587	1.559
73	51391 / 1902	51392 / 1219	2.289	1.429
73.1	51462 / 673	51462 / 2038	1.871	1.523
73.2	51532 / 1492	51533 / 809	2.537	1.375
73.3	51603 / 263	51603 / 1628	2.247	1.447
73.4	51673 / 1082	51674 / 399	2.552	1.564
73.5	51743 / 1901	51744 / 1218	2.872	1.622
73.6	51814 / 672	51814 / 2037	2.731	1.439
73.7	0 / 0	0 / 1365	2.624	1.478
73.8	70 / 819	71 / 136	2.158	1.533
73.9	140 / 1638	141 / 955	2.381	1.608
74	211 / 409	211 / 1774	2.476	1.621
74.1	281 / 1228	282 / 545	2.435	1.617
74.2	351 / 2047	352 / 1364	2.79	1.584
74.3	422 / 818	423 / 135	2.081	1.44
74.4	492 / 1637	493 / 954	2.779	1.426
74.5	563 / 408	563 / 1773	3.086	1.594
74.6	633 / 1227	634 / 544	3.085	1.568
74.7	703 / 2046	704 / 1363	2.785	1.535
74.8	774 / 817	775 / 134	2.217	1.475
74.9	844 / 1636	845 / 953	1.59	1.563
75	915 / 407	915 / 1772	1.497	1.426
75.1	985 / 1226	986 / 543	1.578	1.305
75.2	1055 / 2045	1056 / 1362	1.724	1.352
75.3	1126 / 816	1127 / 133	1.794	1.594
75.4	1196 / 1635	1197 / 952	1.633	1.299
75.5	1267 / 406	1267 / 1771	1.603	1.516
75.6	1337 / 1225	1338 / 542	1.742	1.548
75.7	1407 / 2044	1408 / 1361	1.69	1.445
75.8	1478 / 815	1479 / 132	1.607	1.433
75.9	1548 / 1634	1549 / 951	1.641	1.34
76	1619 / 405	1619 / 1770	1.627	1.442
76.1	1689 / 1224	1690 / 541	1.601	1.34
76.2	1759 / 2043	1760 / 1360	1.667	1.408
76.3	1830 / 814	1831 / 131	1.939	1.51
76.4	1900 / 1633	1901 / 950	2.081	1.587
76.5	1971 / 404	1971 / 1769	2.029	1.619
76.6	2041 / 1223	2042 / 540	1.937	1.332
76.7	2111 / 2042	2112 / 1359	1.685	1.353
76.8	2182 / 813	2183 / 130	2.115	1.537
76.9	2252 / 1632	2253 / 949	1.956	1.339
77	2323 / 403	2323 / 1768	1.854	1.434
77.1	2393 / 1222	2394 / 539	1.915	1.362

77.2	2463 / 2041	2464 / 1358	1.992	1.574
77.3	2534 / 812	2535 / 129	1.887	1.533
77.4	2604 / 1631	2605 / 948	1.876	1.343
77.5	2675 / 402	2675 / 1767	1.776	1.435
77.6	2745 / 1221	2746 / 538	1.869	1.399
77.7	2815 / 2040	2816 / 1357	2.212	1.571
77.8	2886 / 811	2887 / 128	1.664	1.412
77.9	2956 / 1630	2957 / 947	2.204	1.5
78	3027 / 401	3027 / 1766	1.707	1.402
78.1	3097 / 1220	3098 / 537	1.911	1.501
78.2	3167 / 2039	3168 / 1356	1.861	1.345
78.3	3238 / 810	3239 / 127	1.689	1.268
78.4	3308 / 1629	3309 / 946	1.723	1.337
78.5	3379 / 400	3379 / 1765	1.736	1.317
78.6	3449 / 1219	3450 / 536	1.623	1.409
78.7	3519 / 2038	3520 / 1355	1.736	1.469
78.8	3590 / 809	3591 / 126	1.941	1.383
78.9	3660 / 1628	3661 / 945	1.81	1.607
79	3731 / 399	3731 / 1764	1.771	1.35
79.1	3801 / 1218	3802 / 535	1.936	1.634
79.2	3871 / 2037	3872 / 1354	1.967	1.392
79.3	3942 / 808	3943 / 125	1.904	1.341
79.4	4012 / 1627	4013 / 944	1.935	1.471
79.5	4083 / 398	4083 / 1763	1.49	1.305
79.6	4153 / 1217	4154 / 534	1.749	1.334
79.7	4223 / 2036	4224 / 1353	1.944	1.481
79.8	4294 / 807	4295 / 124	1.815	1.582
79.9	4364 / 1626	4365 / 943	1.738	1.248
80	4435 / 397	4435 / 1762	1.903	1.384
80.1	4505 / 1216	4506 / 533	1.8	1.368
80.2	4575 / 2035	4576 / 1352	1.87	1.181
80.3	4646 / 806	4647 / 123	1.78	1.363
80.4	4716 / 1625	4717 / 942	1.952	1.353
80.5	4787 / 396	4787 / 1761	1.953	1.311
80.6	4857 / 1215	4858 / 532	2.058	1.42
80.7	4927 / 2034	4928 / 1351	2.113	1.346
80.8	4998 / 805	4999 / 122	2.292	1.322
80.9	5068 / 1624	5069 / 941	2.125	1.434
81	5139 / 395	5139 / 1760	2.342	1.45
81.1	5209 / 1214	5210 / 531	1.923	1.338
81.2	5279 / 2033	5280 / 1350	2.184	1.195
81.3	5350 / 804	5351 / 121	2.088	1.283
81.4	5420 / 1623	5421 / 940	1.964	1.425

81.5	5491 / 394	5491 / 1759	2.052	1.295
81.6	5561 / 1213	5562 / 530	2.06	1.373
81.7	5631 / 2032	5632 / 1349	2.062	1.309
81.8	5702 / 803	5703 / 120	2.084	1.341
81.9	5772 / 1622	5773 / 939	2.205	1.313
82	5843 / 393	5843 / 1758	2.121	1.383
82.1	5913 / 1212	5914 / 529	2.14	1.44
82.2	5983 / 2031	5984 / 1348	2.222	1.407
82.3	6054 / 802	6055 / 119	2.05	1.4
82.4	6124 / 1621	6125 / 938	1.984	1.321
82.5	6195 / 392	6195 / 1757	2.079	1.344
82.6	6265 / 1211	6266 / 528	1.867	1.335
82.7	6335 / 2030	6336 / 1347	2.013	1.34
82.8	6406 / 801	6407 / 118	1.968	1.422
82.9	6476 / 1620	6477 / 937	2.14	1.418
83	6547 / 391	6547 / 1756	2.116	1.404
83.1	6617 / 1210	6618 / 527	2.161	1.533
83.2	6687 / 2029	6688 / 1346	2.344	1.538
83.3	6758 / 800	6759 / 117	1.978	1.485
83.4	6828 / 1619	6829 / 936	1.924	1.383
83.5	6899 / 390	6899 / 1755	2.247	1.503
83.6	6969 / 1209	6970 / 526	2.155	1.482
83.7	7039 / 2028	7040 / 1345	1.992	1.464
83.8	7110 / 799	7111 / 116	2.019	1.364
83.9	7180 / 1618	7181 / 935	2.266	1.441
84	7251 / 389	7251 / 1754	2	1.385
84.1	7321 / 1208	7322 / 525	2.031	1.456
84.2	7391 / 2027	7392 / 1344	2.108	1.404
84.3	7462 / 798	7463 / 115	2.141	1.463
84.4	7532 / 1617	7533 / 934	2.181	1.488
84.5	7603 / 388	7603 / 1753	2.06	1.493
84.6	7673 / 1207	7674 / 524	2.267	1.444
84.7	7743 / 2026	7744 / 1343	2.248	1.511
84.8	7814 / 797	7815 / 114	2.366	1.483
84.9	7884 / 1616	7885 / 933	2.179	1.463
85	7955 / 387	7955 / 1752	2.035	1.514
85.1	8025 / 1206	8026 / 523	2.091	1.428
85.2	8095 / 2025	8096 / 1342	2.154	1.344
85.3	8166 / 796	8167 / 113	2.292	1.539
85.4	8236 / 1615	8237 / 932	2.102	1.477
85.5	8307 / 386	8307 / 1751	1.785	1.38
85.6	8377 / 1205	8378 / 522	1.695	1.373
85.7	8447 / 2024	8448 / 1341	1.815	1.386

85.8	8518 / 795	8519 / 112	1.807	1.362
85.9	8588 / 1614	8589 / 931	1.758	1.286
86	8659 / 385	8659 / 1750	1.771	1.477
86.1	8729 / 1204	8730 / 521	1.797	1.475
86.2	8799 / 2023	8800 / 1340	1.832	1.426
86.3	8870 / 794	8871 / 111	1.849	1.506
86.4	8940 / 1613	8941 / 930	1.848	1.516
86.5	9011 / 384	9011 / 1749	1.8	1.454
86.6	9081 / 1203	9082 / 520	1.813	1.529
86.7	9151 / 2022	9152 / 1339	1.918	1.459
86.8	9222 / 793	9223 / 110	1.788	1.453
86.9	9292 / 1612	9293 / 929	1.936	1.6
87	9363 / 383	9363 / 1748	1.94	1.407
87.1	9433 / 1202	9434 / 519	1.865	1.395
87.2	9503 / 2021	9504 / 1338	1.883	1.507
87.3	9574 / 792	9575 / 109	1.875	1.491
87.4	9644 / 1611	9645 / 928	1.879	1.428
87.5	9715 / 382	9715 / 1747	1.894	1.392
87.6	9785 / 1201	9786 / 518	1.835	1.38
87.7	9855 / 2020	9856 / 1337	1.827	1.403
87.8	9926 / 791	9927 / 108	1.857	1.277
87.9	9996 / 1610	9997 / 927	1.858	1.473
88	10067 / 381	10067 / 1746	1.958	1.378
88.1	10137 / 1200	10138 / 517	1.89	1.515
88.2	10207 / 2019	10208 / 1336	1.924	1.495
88.3	10278 / 790	10279 / 107	1.885	1.414
88.4	10348 / 1609	10349 / 926	1.874	1.411
88.5	10419 / 380	10419 / 1745	1.858	1.281
88.6	10489 / 1199	10490 / 516	2.026	1.518
88.7	10559 / 2018	10560 / 1335	1.788	1.452
88.8	10630 / 789	10631 / 106	1.781	1.286
88.9	10700 / 1608	10701 / 925	1.739	1.321
89	10771 / 379	10771 / 1744	1.651	1.396
89.1	10841 / 1198	10842 / 515	1.7	1.326
89.2	10911 / 2017	10912 / 1334	1.674	1.402
89.3	10982 / 788	10983 / 105	1.706	1.485
89.4	11052 / 1607	11053 / 924	1.709	1.407
89.5	11123 / 378	11123 / 1743	1.765	1.395
89.6	11193 / 1197	11194 / 514	1.813	1.379
89.7	11263 / 2016	11264 / 1333	1.634	1.301
89.8	11334 / 787	11335 / 104	1.784	1.308
89.9	11404 / 1606	11405 / 923	1.677	1.239
90	11475 / 377	11475 / 1742	1.751	1.403

90.1	11545 / 1196	11546 / 513	1.761	1.411
90.2	11615 / 2015	11616 / 1332	1.627	1.204
90.3	11686 / 786	11687 / 103	1.669	1.398
90.4	11756 / 1605	11757 / 922	1.694	1.307
90.5	11827 / 376	11827 / 1741	1.732	1.332
90.6	11897 / 1195	11898 / 512	1.931	1.534
90.7	11967 / 2014	11968 / 1331	1.672	1.333
90.8	12038 / 785	12039 / 102	1.73	1.438
90.9	12108 / 1604	12109 / 921	1.957	1.465
91	12179 / 375	12179 / 1740	1.725	1.334
91.1	12249 / 1194	12250 / 511	1.757	1.339
91.2	12319 / 2013	12320 / 1330	1.693	1.436
91.3	12390 / 784	12391 / 101	1.568	1.327
91.4	12460 / 1603	12461 / 920	1.601	1.261
91.5	12531 / 374	12531 / 1739	1.531	1.303
91.6	12601 / 1193	12602 / 510	1.732	1.375
91.7	12671 / 2012	12672 / 1329	1.682	1.435
91.8	12742 / 783	12743 / 100	1.638	1.321
91.9	12812 / 1602	12813 / 919	1.741	1.338
92	12883 / 373	12883 / 1738	1.725	1.286
92.1	12953 / 1192	12954 / 509	1.699	1.41
92.2	13023 / 2011	13024 / 1328	1.515	1.31
92.3	13094 / 782	13095 / 99	1.616	1.51
92.4	13164 / 1601	13165 / 918	1.778	3.021
92.5	13235 / 372	13235 / 1737	1.473	1.38
92.6	13305 / 1191	13306 / 508	1.621	1.558
92.7	13375 / 2010	13376 / 1327	1.633	1.544
92.8	13446 / 781	13447 / 98	1.535	1.453
92.9	13516 / 1600	13517 / 917	1.517	1.465
93	13587 / 371	13587 / 1736	1.689	1.756
93.1	13657 / 1190	13658 / 507	1.636	1.452
93.2	13727 / 2009	13728 / 1326	1.719	1.428
93.3	13798 / 780	13799 / 97	2.277	1.948
93.4	13868 / 1599	13869 / 916	2.61	1.463
93.5	13939 / 370	13939 / 1735	1.848	1.481
93.6	14009 / 1189	14010 / 506	1.979	1.73
93.7	14079 / 2008	14080 / 1325	2	1.366
93.8	14150 / 779	14151 / 96	1.605	1.248
93.9	14220 / 1598	14221 / 915	1.878	1.411
94	14291 / 369	14291 / 1734	1.744	1.493
94.1	14361 / 1188	14362 / 505	1.889	1.588
94.2	14431 / 2007	14432 / 1324	1.906	1.956
94.3	14502 / 778	14503 / 95	1.742	1.429

94.4	14572 / 1597	14573 / 914	1.743	1.575
94.5	14643 / 368	14643 / 1733	1.664	1.485
94.6	14713 / 1187	14714 / 504	1.701	1.634
94.7	14783 / 2006	14784 / 1323	1.711	1.528
94.8	14854 / 777	14855 / 94	2.275	1.882
94.9	14924 / 1596	14925 / 913	1.66	1.627
95	14995 / 367	14995 / 1732	1.771	1.464
95.1	15065 / 1186	15066 / 503	1.709	1.744
95.2	15135 / 2005	15136 / 1322	1.768	1.431
95.3	15206 / 776	15207 / 93	1.643	1.588
95.4	15276 / 1595	15277 / 912	1.723	1.368
95.5	15347 / 366	15347 / 1731	1.711	1.551
95.6	15417 / 1185	15418 / 502	1.7	1.422
95.7	15487 / 2004	15488 / 1321	1.693	1.539
95.8	15558 / 775	15559 / 92	1.691	1.493
95.9	15628 / 1594	15629 / 911	1.622	1.402
96	15699 / 365	15699 / 1730	1.751	1.302
96.1	15769 / 1184	15770 / 501	1.59	1.268
96.2	15839 / 2003	15840 / 1320	1.644	1.327
96.3	15910 / 774	15911 / 91	1.718	1.467
96.4	15980 / 1593	15981 / 910	1.821	1.702
96.5	16051 / 364	16051 / 1729	1.712	1.398
96.6	16121 / 1183	16122 / 500	1.702	1.424
96.7	16191 / 2002	16192 / 1319	1.571	1.53
96.8	16262 / 773	16263 / 90	1.697	1.563
96.9	16332 / 1592	16333 / 909	1.623	1.395
97	16403 / 363	16403 / 1728	1.64	1.375
97.1	16473 / 1182	16474 / 499	1.719	1.528
97.2	16543 / 2001	16544 / 1318	1.792	1.419
97.3	16614 / 772	16615 / 89	1.71	1.476
97.4	16684 / 1591	16685 / 908	1.814	1.456
97.5	16755 / 362	16755 / 1727	1.814	1.496
97.6	16825 / 1181	16826 / 498	1.769	1.341
97.7	16895 / 2000	16896 / 1317	2.303	1.577
97.8	16966 / 771	16967 / 88	1.994	1.506
97.9	17036 / 1590	17037 / 907	1.855	1.374
98	17107 / 361	17107 / 1726	2.022	1.394
98.1	17177 / 1180	17178 / 497	1.941	1.531
98.2	17247 / 1999	17248 / 1316	1.753	1.516
98.3	17318 / 770	17319 / 87	1.813	1.436
98.4	17388 / 1589	17389 / 906	1.844	1.546
98.5	17459 / 360	17459 / 1725	1.85	1.418
98.6	17529 / 1179	17530 / 496	1.876	1.594

98.7	17599 / 1998	17600 / 1315	1.883	1.433
98.8	17670 / 769	17671 / 86	1.927	1.486
98.9	17740 / 1588	17741 / 905	1.927	1.56
99	17811 / 359	17811 / 1724	1.96	1.489
99.1	17881 / 1178	17882 / 495	2.472	2.588
99.2	17951 / 1997	17952 / 1314	2.525	2.191
99.3	18022 / 768	18023 / 85	2.255	2.075
99.4	18092 / 1587	18093 / 904	2.453	2.396
99.5	18163 / 358	18163 / 1723	2.427	2.443
99.6	18233 / 1177	18234 / 494	2.747	2.363
99.7	18303 / 1996	18304 / 1313	2.739	2.323
99.8	18374 / 767	18375 / 84	3.078	2.709
99.9	18444 / 1586	18445 / 903	2.185	2.243
100	18515 / 357	18515 / 1722	2.031	1.856
100.1	18585 / 1176	18586 / 493	2.03	1.66
100.2	18655 / 1995	18656 / 1312	2.288	1.563
100.3	18726 / 766	18727 / 83	2.181	1.902
100.4	18796 / 1585	18797 / 902	2.317	2.044
100.5	18867 / 356	18867 / 1721	2.367	1.625
100.6	18937 / 1175	18938 / 492	2.148	1.986
100.7	19007 / 1994	19008 / 1311	2.312	1.975
100.8	19078 / 765	19079 / 82	3.008	2.436
100.9	19148 / 1584	19149 / 901	2.494	2.481
101	19219 / 355	19219 / 1720	2.08	1.965
101.1	19289 / 1174	19290 / 491	2.585	1.886
101.2	19359 / 1993	19360 / 1310	2.388	2.23
101.3	19430 / 764	19431 / 81	2.55	2.335
101.4	19500 / 1583	19501 / 900	2.497	2.108
101.5	19571 / 354	19571 / 1719	2.043	1.96
101.6	19641 / 1173	19642 / 490	2.238	1.965
101.7	19711 / 1992	19712 / 1309	2.006	1.622
101.8	19782 / 763	19783 / 80	2.051	1.554
101.9	19852 / 1582	19853 / 899	2.074	1.575
102	19923 / 353	19923 / 1718	2.055	1.516
102.1	19993 / 1172	19994 / 489	1.906	1.592
102.2	20063 / 1991	20064 / 1308	2.037	1.526
102.3	20134 / 762	20135 / 79	1.732	1.516
102.4	20204 / 1581	20205 / 898	1.878	1.504
102.5	20275 / 352	20275 / 1717	1.775	1.483
102.6	20345 / 1171	20346 / 488	2.303	1.863
102.7	20415 / 1990	20416 / 1307	1.823	1.488
102.8	20486 / 761	20487 / 78	1.854	1.539
102.9	20556 / 1580	20557 / 897	2.464	1.621

103	20627 / 351	20627 / 1716	2.084	1.563
103.1	20697 / 1170	20698 / 487	1.724	1.548
103.2	20767 / 1989	20768 / 1306	2.105	1.61
103.3	20838 / 760	20839 / 77	1.974	1.714
103.4	20908 / 1579	20909 / 896	2.117	1.79
103.5	20979 / 350	20979 / 1715	2.023	1.656
103.6	21049 / 1169	21050 / 486	2.203	1.718
103.7	21119 / 1988	21120 / 1305	1.853	1.49
103.8	21190 / 759	21191 / 76	1.783	1.51
103.9	21260 / 1578	21261 / 895	1.566	1.492
104	21331 / 349	21331 / 1714	1.64	1.42
104.1	21401 / 1168	21402 / 485	1.683	1.487
104.2	21471 / 1987	21472 / 1304	1.626	1.363
104.3	21542 / 758	21543 / 75	1.619	1.411
104.4	21612 / 1577	21613 / 894	1.612	1.358
104.5	21683 / 348	21683 / 1713	1.581	1.423
104.6	21753 / 1167	21754 / 484	1.612	1.409
104.7	21823 / 1986	21824 / 1303	1.607	1.428
104.8	21894 / 757	21895 / 74	1.56	1.531
104.9	21964 / 1576	21965 / 893	1.702	1.5
105	22035 / 347	22035 / 1712	1.605	1.322
105.1	22105 / 1166	22106 / 483	1.634	1.314
105.2	22175 / 1985	22176 / 1302	1.563	1.391
105.3	22246 / 756	22247 / 73	1.623	1.437
105.4	22316 / 1575	22317 / 892	1.58	1.821
105.5	22387 / 346	22387 / 1711	1.36	1.05
105.6	22457 / 1165	22458 / 482	1.567	1.445
105.7	22527 / 1984	22528 / 1301	1.679	1.505
105.8	22598 / 755	22599 / 72	1.707	1.422
105.9	22668 / 1574	22669 / 891	1.621	1.339
106	22739 / 345	22739 / 1710	1.572	1.309
106.1	22809 / 1164	22810 / 481	1.62	1.344
106.2	22879 / 1983	22880 / 1300	1.513	1.318
106.3	22950 / 754	22951 / 71	1.56	1.323
106.4	23020 / 1573	23021 / 890	1.521	1.371
106.5	23091 / 344	23091 / 1709	1.307	1.105
106.6	23161 / 1163	23162 / 480	1.396	1.053
106.7	23231 / 1982	23232 / 1299	1.511	1.155
106.8	23302 / 753	23303 / 70	1.502	1.113
106.9	23372 / 1572	23373 / 889	1.51	1.203
107	23443 / 343	23443 / 1708	1.514	1.214
107.1	23513 / 1162	23514 / 479	1.578	1.113
107.2	23583 / 1981	23584 / 1298	1.406	1.179

107.3	23654 / 752	23655 / 69	1.508	1.214
107.4	23724 / 1571	23725 / 888	1.559	1.359
107.5	23795 / 342	23795 / 1707	1.568	1.389
107.6	23865 / 1161	23866 / 478	1.465	1.314
107.7	23935 / 1980	23936 / 1297	1.605	1.282
107.8	24006 / 751	24007 / 68	1.485	1.24
107.9	24076 / 1570	24077 / 887	1.514	1.226
108	24147 / 341	24147 / 1706	1.573	1.373
108.1	24217 / 1160	24218 / 477	1.514	1.492
108.2	24287 / 1979	24288 / 1296	1.454	1.281
108.3	24358 / 750	24359 / 67	1.438	1.248
108.4	24428 / 1569	24429 / 886	1.502	1.23
108.5	24499 / 340	24499 / 1705	1.494	1.266
108.6	24569 / 1159	24570 / 476	1.565	1.299
108.7	24639 / 1978	24640 / 1295	1.454	1.269
108.8	24710 / 749	24711 / 66	1.455	1.228
108.9	24780 / 1568	24781 / 885	1.54	1.343
109	24851 / 339	24851 / 1704	1.338	1.202
109.1	24921 / 1158	24922 / 475	1.439	1.404
109.2	24991 / 1977	24992 / 1294	1.453	1.144
109.3	25062 / 748	25063 / 65	1.686	1.326
109.4	25132 / 1567	25133 / 884	1.456	1.187
109.5	25203 / 338	25203 / 1703	1.573	1.349
109.6	25273 / 1157	25274 / 474	1.54	1.333
109.7	25343 / 1976	25344 / 1293	1.573	1.278
109.8	25414 / 747	25415 / 64	1.38	1.141
109.9	25484 / 1566	25485 / 883	1.466	1.188
110	25555 / 337	25555 / 1702	1.496	1.235
110.1	25625 / 1156	25626 / 473	1.659	1.218
110.2	25695 / 1975	25696 / 1292	1.421	1.14
110.3	25766 / 746	25767 / 63	1.696	1.159
110.4	25836 / 1565	25837 / 882	1.589	1.156
110.5	25907 / 336	25907 / 1701	1.658	1.231
110.6	25977 / 1155	25978 / 472	1.399	1.125
110.7	26047 / 1974	26048 / 1291	1.548	1.184
110.8	26118 / 745	26119 / 62	1.731	1.267
110.9	26188 / 1564	26189 / 881	1.586	1.268
111	26259 / 335	26259 / 1700	1.465	1.144
111.1	26329 / 1154	26330 / 471	1.542	1.084
111.2	26399 / 1973	26400 / 1290	1.572	1.327
111.3	26470 / 744	26471 / 61	1.451	1.152
111.4	26540 / 1563	26541 / 880	1.563	1.162
111.5	26611 / 334	26611 / 1699	1.602	1.378

111.6	26681 / 1153	26682 / 470	1.599	1.39
111.7	26751 / 1972	26752 / 1289	1.62	1.515
111.8	26822 / 743	26823 / 60	1.701	1.466
111.9	26892 / 1562	26893 / 879	1.57	1.389
112	26963 / 333	26963 / 1698	1.609	1.386
112.1	27033 / 1152	27034 / 469	1.573	2.211
112.2	27103 / 1971	27104 / 1288	1.586	1.555
112.3	27174 / 742	27175 / 59	1.611	2.254
112.4	27244 / 1561	27245 / 878	1.558	1.463
112.5	27315 / 332	27315 / 1697	1.427	1.252
112.6	27385 / 1151	27386 / 468	1.549	1.333
112.7	27455 / 1970	27456 / 1287	1.571	1.317
112.8	27526 / 741	27527 / 58	1.528	1.285
112.9	27596 / 1560	27597 / 877	1.56	1.409
113	27667 / 331	27667 / 1696	1.601	1.43
113.1	27737 / 1150	27738 / 467	1.58	1.331
113.2	27807 / 1969	27808 / 1286	1.63	2.52
113.3	27878 / 740	27879 / 57	1.571	1.48
113.4	27948 / 1559	27949 / 876	1.565	1.366
113.5	28019 / 330	28019 / 1695	1.576	1.394
113.6	28089 / 1149	28090 / 466	1.566	1.344
113.7	28159 / 1968	28160 / 1285	1.524	1.637
113.8	28230 / 739	28231 / 56	1.47	1.344
113.9	28300 / 1558	28301 / 875	1.488	1.363
114	28371 / 329	28371 / 1694	1.506	1.469
114.1	28441 / 1148	28442 / 465	1.807	1.343
114.2	28511 / 1967	28512 / 1284	1.628	1.589
114.3	28582 / 738	28583 / 55	0.998	0.954
114.4	28652 / 1557	28653 / 874	1.53	1.323
114.5	28723 / 328	28723 / 1693	1.573	1.23
114.6	28793 / 1147	28794 / 464	1.524	1.31
114.7	28863 / 1966	28864 / 1283	1.57	1.367
114.8	28934 / 737	28935 / 54	1.575	2.399
114.9	29004 / 1556	29005 / 873	1.581	1.333
115	29075 / 327	29075 / 1692	1.551	1.38
115.1	29145 / 1146	29146 / 463	1.546	1.202
115.2	29215 / 1965	29216 / 1282	1.712	1.332
115.3	29286 / 736	29287 / 53	1.631	1.335
115.4	29356 / 1555	29357 / 872	1.59	1.444
115.5	29427 / 326	29427 / 1691	1.695	1.428
115.6	29497 / 1145	29498 / 462	1.658	1.421
115.7	29567 / 1964	29568 / 1281	1.503	1.265
115.8	29638 / 735	29639 / 52	1.373	1.284

115.9	29708 / 1554	29709 / 871	1.455	1.283
116	29779 / 325	29779 / 1690	1.505	1.342
116.1	29849 / 1144	29850 / 461	1.508	1.332
116.2	29919 / 1963	29920 / 1280	1.481	1.37
116.3	29990 / 734	29991 / 51	1.526	1.268
116.4	30060 / 1553	30061 / 870	1.513	1.294
116.5	30131 / 324	30131 / 1689	1.426	1.173
116.6	30201 / 1143	30202 / 460	1.403	1.199
116.7	30271 / 1962	30272 / 1279	1.399	1.207
116.8	30342 / 733	30343 / 50	1.52	1.16
116.9	30412 / 1552	30413 / 869	1.425	1.149
117	30483 / 323	30483 / 1688	1.357	1.238
117.1	30553 / 1142	30554 / 459	1.411	1.232
117.2	30623 / 1961	30624 / 1278	1.373	1.198
117.3	30694 / 732	30695 / 49	1.457	1.229
117.4	30764 / 1551	30765 / 868	1.489	1.264
117.5	30835 / 322	30835 / 1687	1.372	1.264
117.6	30905 / 1141	30906 / 458	1.506	1.289
117.7	30975 / 1960	30976 / 1277	1.428	1.335
117.8	31046 / 731	31047 / 48	1.459	1.237
117.9	31116 / 1550	31117 / 867	1.406	1.281
118	31187 / 321	31187 / 1686	1.522	1.232
118.1	31257 / 1140	31258 / 457	1.522	1.313
118.2	31327 / 1959	31328 / 1276	1.392	1.33
118.3	31398 / 730	31399 / 47	1.398	1.283
118.4	31468 / 1549	31469 / 866	1.43	1.198
118.5	31539 / 320	31539 / 1685	1.497	1.147
118.6	31609 / 1139	31610 / 456	1.399	1.22
118.7	31679 / 1958	31680 / 1275	1.412	1.232
118.8	31750 / 729	31751 / 46	1.458	1.259
118.9	31820 / 1548	31821 / 865	1.368	1.35
119	31891 / 319	31891 / 1684	1.506	1.333
119.1	31961 / 1138	31962 / 455	2.136	1.488
119.2	32031 / 1957	32032 / 1274	1.457	1.147
119.3	32102 / 728	32103 / 45	1.6	1.173
119.4	32172 / 1547	32173 / 864	1.547	1.273
119.5	32243 / 318	32243 / 1683	1.437	1.191
119.6	32313 / 1137	32314 / 454	1.516	1.244
119.7	32383 / 1956	32384 / 1273	1.399	1.155
119.8	32454 / 727	32455 / 44	1.483	1.267
119.9	32524 / 1546	32525 / 863	1.413	1.267
120	32595 / 317	32595 / 1682	1.567	1.103
120.1	32665 / 1136	32666 / 453	1.391	1.363

120.2	32735 / 1955	32736 / 1272	1.227	1.128
120.3	32806 / 726	32807 / 43	1.45	1.202
120.4	32876 / 1545	32877 / 862	1.489	1.164
120.5	32947 / 316	32947 / 1681	1.445	1.072
120.6	33017 / 1135	33018 / 452	1.456	1.227
120.7	33087 / 1954	33088 / 1271	1.685	1.174
120.8	33158 / 725	33159 / 42	1.506	1.146
120.9	33228 / 1544	33229 / 861	1.466	1.162
121	33299 / 315	33299 / 1680	1.465	1.178
121.1	33369 / 1134	33370 / 451	1.464	1.642
121.2	33439 / 1953	33440 / 1270	1.453	1.217
121.3	33510 / 724	33511 / 41	1.521	1.246
121.4	33580 / 1543	33581 / 860	1.459	1.998
121.5	33651 / 314	33651 / 1679	1.538	1.214
121.6	33721 / 1133	33722 / 450	1.661	1.215
121.7	33791 / 1952	33792 / 1269	1.353	1.04
121.8	33862 / 723	33863 / 40	1.461	1.278
121.9	33932 / 1542	33933 / 859	1.408	1.3
122	34003 / 313	34003 / 1678	1.539	1.199
122.1	34073 / 1132	34074 / 449	1.528	1.384
122.2	34143 / 1951	34144 / 1268	1.523	1.272
122.3	34214 / 722	34215 / 39	1.592	1.166
122.4	34284 / 1541	34285 / 858	1.537	1.223
122.5	34355 / 312	34355 / 1677	1.451	1.199
122.6	34425 / 1131	34426 / 448	1.506	1.274
122.7	34495 / 1950	34496 / 1267	1.492	1.242
122.8	34566 / 721	34567 / 38	1.544	1.228
122.9	34636 / 1540	34637 / 857	1.593	1.258
123	34707 / 311	34707 / 1676	1.442	1.27
123.1	34777 / 1130	34778 / 447	1.52	1.22
123.2	34847 / 1949	34848 / 1266	1.295	1.058
123.3	34918 / 720	34919 / 37	1.5	1.145
123.4	34988 / 1539	34989 / 856	1.408	1.322
123.5	35059 / 310	35059 / 1675	1.57	1.139
123.6	35129 / 1129	35130 / 446	1.405	1.36
123.7	35199 / 1948	35200 / 1265	1.48	1.272
123.8	35270 / 719	35271 / 36	1.565	1.214
123.9	35340 / 1538	35341 / 855	1.609	1.165
124	35411 / 309	35411 / 1674	1.701	1.312
124.1	35481 / 1128	35482 / 445	1.489	1.238
124.2	35551 / 1947	35552 / 1264	1.593	1.234
124.3	35622 / 718	35623 / 35	1.59	1.414
124.4	35692 / 1537	35693 / 854	1.606	1.193

124.5	35763 / 308	35763 / 1673	1.484	1.332
124.6	35833 / 1127	35834 / 444	1.538	1.253
124.7	35903 / 1946	35904 / 1263	1.43	1.341
124.8	35974 / 717	35975 / 34	1.622	1.354
124.9	36044 / 1536	36045 / 853	1.532	1.252
125	36115 / 307	36115 / 1672	1.446	1.192
125.1	36185 / 1126	36186 / 443	1.481	1.182
125.2	36255 / 1945	36256 / 1262	1.532	1.304
125.3	36326 / 716	36327 / 33	1.842	1.785
125.4	36396 / 1535	36397 / 852	1.695	1.344
125.5	36467 / 306	36467 / 1671	1.745	1.496
125.6	36537 / 1125	36538 / 442	1.809	1.44
125.7	36607 / 1944	36608 / 1261	1.759	1.582
125.8	36678 / 715	36679 / 32	1.677	1.411
125.9	36748 / 1534	36749 / 851	1.752	1.445
126	36819 / 305	36819 / 1670	1.856	1.531
126.1	36889 / 1124	36890 / 441	1.72	1.469
126.2	36959 / 1943	36960 / 1260	1.667	1.508
126.3	37030 / 714	37031 / 31	2.043	1.508
126.4	37100 / 1533	37101 / 850	1.724	1.486
126.5	37171 / 304	37171 / 1669	1.686	1.464
126.6	37241 / 1123	37242 / 440	1.553	1.522
126.7	37311 / 1942	37312 / 1259	1.426	1.767
126.8	37382 / 713	37383 / 30	1.576	1.524
126.9	37452 / 1532	37453 / 849	1.596	1.409
127	37523 / 303	37523 / 1668	1.738	1.507
127.1	37593 / 1122	37594 / 439	1.736	2.09
127.2	37663 / 1941	37664 / 1258	1.666	1.351
127.3	37734 / 712	37735 / 29	1.872	1.542
127.4	37804 / 1531	37805 / 848	1.746	1.359
127.5	37875 / 302	37875 / 1667	1.813	1.579
127.6	37945 / 1121	37946 / 438	1.812	1.471
127.7	38015 / 1940	38016 / 1257	1.861	1.532
127.8	38086 / 711	38087 / 28	1.891	1.417
127.9	38156 / 1530	38157 / 847	1.72	1.417
128	38227 / 301	38227 / 1666	1.851	1.4
128.1	38297 / 1120	38298 / 437	1.811	1.492
128.2	38367 / 1939	38368 / 1256	1.84	1.379
128.3	38438 / 710	38439 / 27	1.643	1.496
128.4	38508 / 1529	38509 / 846	1.787	1.459
128.5	38579 / 300	38579 / 1665	1.787	1.538
128.6	38649 / 1119	38650 / 436	1.81	1.607
128.7	38719 / 1938	38720 / 1255	1.923	1.491

128.8	38790 / 709	38791 / 26	1.89	1.49
128.9	38860 / 1528	38861 / 845	1.788	1.443
129	38931 / 299	38931 / 1664	1.916	1.469
129.1	39001 / 1118	39002 / 435	1.649	1.392
129.2	39071 / 1937	39072 / 1254	1.73	1.486
129.3	39142 / 708	39143 / 25	1.798	1.6
129.4	39212 / 1527	39213 / 844	1.636	1.389
129.5	39283 / 298	39283 / 1663	1.807	1.643
129.6	39353 / 1117	39354 / 434	1.652	1.609
129.7	39423 / 1936	39424 / 1253	1.648	1.524
129.8	39494 / 707	39495 / 24	1.8	1.535
129.9	39564 / 1526	39565 / 843	1.763	1.587
130	39635 / 297	39635 / 1662	1.679	1.487
130.1	39705 / 1116	39706 / 433	1.769	1.491
130.2	39775 / 1935	39776 / 1252	1.866	1.54
130.3	39846 / 706	39847 / 23	1.87	1.474
130.4	39916 / 1525	39917 / 842	1.766	1.501
130.5	39987 / 296	39987 / 1661	1.824	1.456
130.6	40057 / 1115	40058 / 432	1.876	1.5
130.7	40127 / 1934	40128 / 1251	1.815	1.525
130.8	40198 / 705	40199 / 22	1.719	1.398
130.9	40268 / 1524	40269 / 841	1.882	1.502
131	40339 / 295	40339 / 1660	1.816	1.466
131.1	40409 / 1114	40410 / 431	1.714	1.445
131.2	40479 / 1933	40480 / 1250	1.812	1.633
131.3	40550 / 704	40551 / 21	1.861	1.501
131.4	40620 / 1523	40621 / 840	1.589	1.443
131.5	40691 / 294	40691 / 1659	1.817	1.557
131.6	40761 / 1113	40762 / 430	1.731	1.46
131.7	40831 / 1932	40832 / 1249	1.726	1.298
131.8	40902 / 703	40903 / 20	1.753	1.482
131.9	40972 / 1522	40973 / 839	1.884	1.716
132	41043 / 293	41043 / 1658	2.129	1.951
132.1	41113 / 1112	41114 / 429	1.9	1.694
132.2	41183 / 1931	41184 / 1248	1.938	1.566
132.3	41254 / 702	41255 / 19	1.712	1.61
132.4	41324 / 1521	41325 / 838	1.8	1.533
132.5	41395 / 292	41395 / 1657	1.852	1.518
132.6	41465 / 1111	41466 / 428	1.737	1.415
132.7	41535 / 1930	41536 / 1247	1.731	1.357
132.8	41606 / 701	41607 / 18	1.719	1.435
132.9	41676 / 1520	41677 / 837	1.935	1.718
133	41747 / 291	41747 / 1656	1.765	1.628

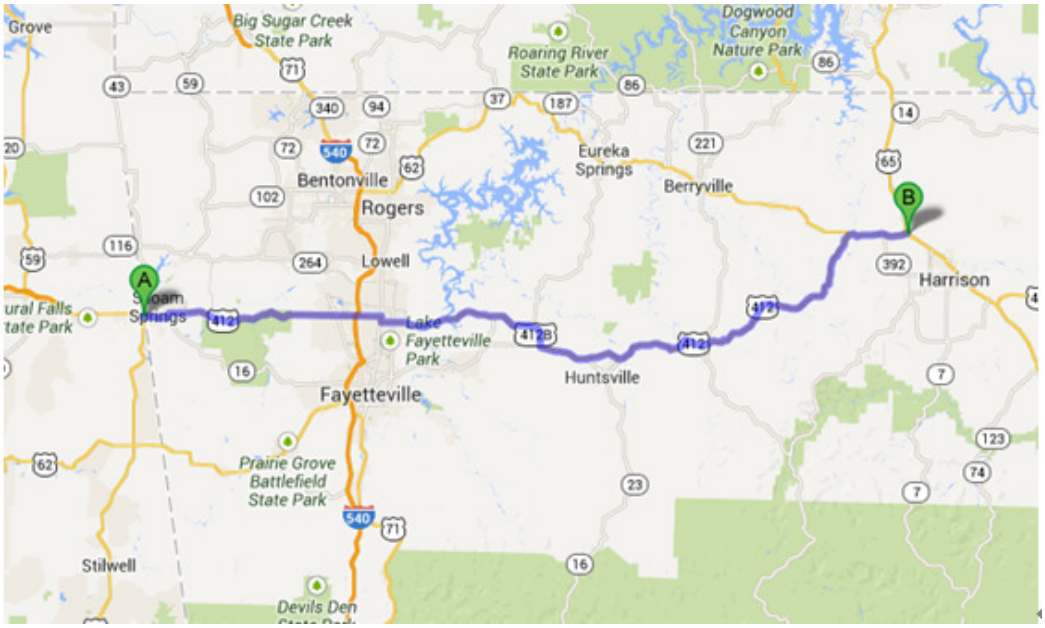
133.1	41817 / 1110	41818 / 427	1.889	1.789
133.2	41887 / 1929	41888 / 1246	1.851	1.556
133.3	41958 / 700	41959 / 17	1.771	1.522
133.4	42028 / 1519	42029 / 836	2.044	1.682
133.5	42099 / 290	42099 / 1655	1.762	1.453
133.6	42169 / 1109	42170 / 426	1.777	2.845
133.7	42239 / 1928	42240 / 1245	1.777	1.904
133.8	42310 / 699	42311 / 16	1.808	1.863
133.9	42380 / 1518	42381 / 835	2.227	2.342
134	42451 / 289	42451 / 1654	1.169	1.049
134.1	42521 / 1108	42522 / 425	1.81	2.102
134.2	42591 / 1927	42592 / 1244	1.677	1.461
134.3	42662 / 698	42663 / 15	1.836	1.619
134.4	42732 / 1517	42733 / 834	1.866	2.056
134.5	42803 / 288	42803 / 1653	1.855	1.63
134.6	42873 / 1107	42874 / 424	1.688	1.514
134.7	42943 / 1926	42944 / 1243	2.039	1.248
134.8	43014 / 697	43015 / 14	1.866	1.339
134.9	43084 / 1516	43085 / 833	1.664	1.294
135	43155 / 287	43155 / 1652	1.583	1.163
135.1	43225 / 1106	43226 / 423	1.658	1.314
135.2	43295 / 1925	43296 / 1242	1.531	1.577
135.3	43366 / 696	43367 / 13	1.796	1.432
135.4	43436 / 1515	43437 / 832	1.842	1.357
135.5	43507 / 286	43507 / 1651	1.222	1.056
135.6	43577 / 1105	43578 / 422	1.998	1.394
135.7	43647 / 1924	43648 / 1241	2.739	1.598
135.8	43718 / 695	43719 / 12	2.302	1.57
135.9	43788 / 1514	43789 / 831	2.362	1.507
136	43859 / 285	43859 / 1650	2.1	1.691
136.1	43929 / 1104	43930 / 421	2.233	1.589
136.2	43999 / 1923	44000 / 1240	2.312	1.508
136.3	44070 / 694	44071 / 11	1.856	1.45
136.4	44140 / 1513	44141 / 830	1.918	1.394
136.5	44211 / 284	44211 / 1649	1.843	1.682
136.6	44281 / 1103	44282 / 420	1.961	1.82
136.7	44351 / 1922	44352 / 1239	2.057	1.523
136.8	44422 / 693	44423 / 10	2.267	1.503
136.9	44492 / 1512	44493 / 829	1.808	1.427
137	44563 / 283	44563 / 1648	2.003	1.6
137.1	44633 / 1102	44634 / 419	2.128	1.607
137.2	44703 / 1921	44704 / 1238	1.941	1.414
137.3	44774 / 692	44775 / 9	1.808	1.379

137.4	44844 / 1511	44845 / 828	1.921	1.474
137.5	44915 / 282	44915 / 1647	2.003	1.503
137.6	44985 / 1101	44986 / 418	1.957	1.38
137.7	45055 / 1920	45056 / 1237	1.859	1.339
137.8	45126 / 691	45127 / 8	2.253	1.421
137.9	45196 / 1510	45197 / 827	1.792	1.255
138	45267 / 281	45267 / 1646	1.803	1.376
138.1	45337 / 1100	45338 / 417	1.755	1.212
138.2	45407 / 1919	45408 / 1236	1.765	1.278
138.3	45478 / 690	45479 / 7	1.783	1.275
138.4	45548 / 1509	45549 / 826	1.829	1.369
138.5	45619 / 280	45619 / 1645	1.808	1.537
138.6	45689 / 1099	45690 / 416	1.566	1.608
138.7	45759 / 1918	45760 / 1235	1.741	1.544
138.8	45830 / 689	45831 / 6	1.78	1.457
138.9	45900 / 1508	45901 / 825	2.067	2.216
139	45971 / 279	45971 / 1644	1.882	1.549
139.1	46041 / 1098	46042 / 415	2.012	1.406
139.2	46111 / 1917	46112 / 1234	1.887	1.502
139.3	46182 / 688	46183 / 5	1.806	1.393
139.4	46252 / 1507	46253 / 824	1.856	1.472
139.5	46323 / 278	46323 / 1643	1.746	1.352
139.6	46393 / 1097	46394 / 414	1.91	1.388
139.7	46463 / 1916	46464 / 1233	1.73	1.526
139.8	46534 / 687	46535 / 4	1.808	1.345
139.9	46604 / 1506	46605 / 823	1.837	1.544
140	46675 / 277	46675 / 1642	2.112	1.601
140.1	46745 / 1096	46746 / 413	2	1.822
140.2	46815 / 1915	46816 / 1232	2.087	1.622
140.3	46886 / 686	46887 / 3	2.018	1.58
140.4	46956 / 1505	46957 / 822	2.223	1.697
140.5	47027 / 276	47027 / 1641	2.142	1.606
140.6	47097 / 1095	47098 / 412	2.467	2.022
140.7	47167 / 1914	47168 / 1231	2.727	2.582
140.8	47238 / 685	47239 / 2	2.101	1.738
140.9	47308 / 1504	47309 / 821	1.801	1.563

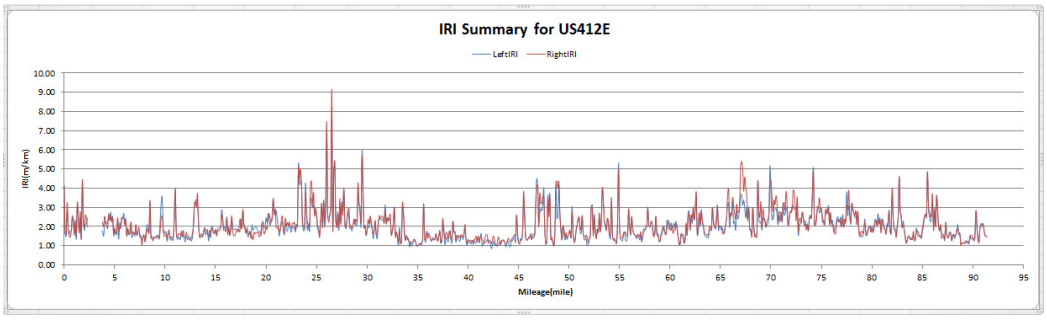
US412 EAST BOUND

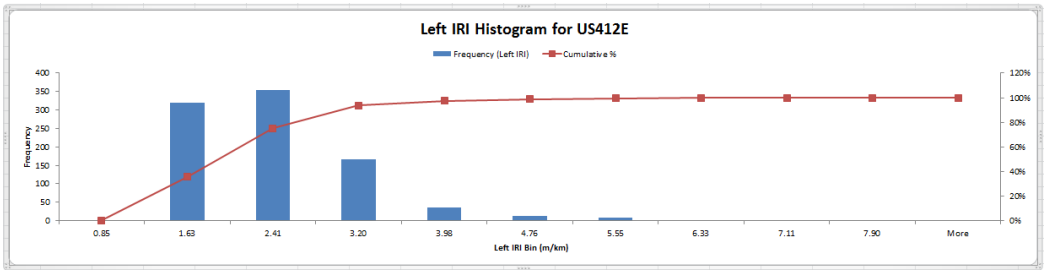
Route Description

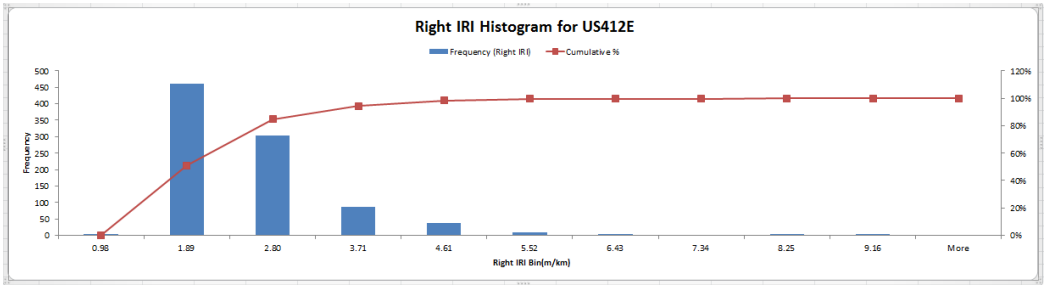
US412E data collection starts at GPS coordinate of 36.176343,-94.566219, and ends at GPS coordinate of 36.294805,-93.193957, with a total length of 90 miles.



IRI Data


IRI Summary for US412E
LeftIRI
RightIRI
IRI(m/km)
Mileage(mile)


Left IRI Histogram for US412E
Frequency (Left IRI)
Cumulative %
Frequency
0.85
1.63
2.41
3.20
3.98
4.76
5.55
6.33
7.11
7.90
More
Left IRI Bin (m/km)


Right IRI Histogram for US412E
Frequency (Right IRI)
Cumulative %
Frequency
0.98
1.89
2.80
3.71
4.61
5.52
6.43
7.34
8.25
9.16
More
Right IRI Bin(m/km)

Mileage(mile)	IRIRNID	BgnPos	EndPos	LeftIRI	RightIRI
0	0	1	529	4.18	4.09
0.1	1	529	1057	1.62	1.66
0.2	2	1057	1585	1.48	1.61
0.3	3	1585	2113	2.84	3.26
0.4	4	2113	2641	1.84	1.87
0.5	5	2641	3169	1.60	1.50
0.6	6	3169	3697	1.78	1.45
0.7	7	3697	4225	1.80	1.71
0.8	8	4225	4753	2.44	2.56
0.9	9	4753	5281	2.45	2.23
1	10	5281	5809	1.54	1.66
1.1	11	5809	6337	2.16	2.34
1.2	12	6337	6865	1.34	1.50
1.3	13	6865	7393	3.10	3.28
1.4	14	7393	7921	2.51	2.39
1.5	15	7921	8449	1.65	1.73
1.6	16	8449	8977	2.38	2.79
1.7	17	8977	9505	1.38	1.36
1.8	18	9505	10033	4.27	4.45
1.9	19	10033	10561	2.44	2.19
2	20	10561	11089	1.81	1.95
2.1	21	11089	11617	2.13	2.61
2.2	22	11617	12145	2.15	2.47
2.3	23	12145	12673	2.44	1.99
2.4-3.7	Missing				
3.8	0	1	529	1.78	2.24
3.9	1	529	1057	1.50	1.99
4	2	1057	1585	2.04	2.54
4.1	3	1585	2113	2.28	2.26
4.2	4	2113	2641	2.16	2.10
4.3	5	2641	3169	2.18	1.91
4.4	6	3169	3697	2.49	2.67
4.5	7	3697	4225	2.32	2.34
4.6	8	4225	4753	2.76	2.53
4.7	9	4753	5281	2.31	2.23
4.8	10	5281	5809	2.54	2.45
4.9	11	5809	6337	1.52	1.57
5	12	6337	6865	1.87	1.94
5.1	13	6865	7393	1.65	1.62
5.2	14	7393	7921	1.57	1.85
5.3	15	7921	8449	2.33	2.47
5.4	16	8449	8977	1.34	1.76

5.5	0	1	529	2.19	1.95
5.6	1	529	1057	1.95	1.90
5.7	2	1057	1585	2.46	2.50
5.8	3	1585	2113	2.42	2.46
5.9	4	2113	2641	2.70	2.45
6	5	2641	3169	2.25	2.05
6.1	6	3169	3697	2.41	2.31
6.2	7	3697	4225	1.49	1.52
6.3	8	4225	4753	1.87	1.92
6.4	9	4753	5281	1.59	1.58
6.5	10	5281	5809	1.66	1.60
6.6	11	5809	6337	2.18	2.26
6.7	12	6337	6865	1.44	1.65
6.8	13	6865	7393	1.59	1.74
6.9	14	7393	7921	1.72	1.65
7	15	7921	8449	1.59	1.53
7.1	16	8449	8977	1.84	2.11
7.2	17	8977	9505	1.52	1.58
7.3	18	9505	10033	1.73	1.74
7.4	19	10033	10561	1.70	1.96
7.5	20	10561	11089	1.66	1.46
7.6	21	11089	11617	1.39	1.50
7.7	22	11617	12145	1.27	1.04
7.8	23	12145	12673	1.49	1.49
7.9	24	12673	13201	1.58	1.55
8	25	13201	13729	1.23	1.20
8.1	26	13729	14257	1.73	1.44
8.2	27	14257	14785	2.10	1.86
8.3	28	14785	15313	1.98	1.77
8.4	29	15313	15841	1.67	1.66
8.5	30	15841	16369	3.25	3.38
8.6	31	16369	16897	1.38	1.43
8.7	32	16897	17425	1.40	1.47
8.8	33	17425	17953	1.38	1.25
8.9	34	17953	18481	1.44	1.47
9	35	18481	19009	1.43	1.45
9.1	36	19009	19537	1.45	1.40
9.2	37	19537	20065	1.56	1.51
9.3	38	20065	20593	1.53	1.43
9.4	39	20593	21121	1.42	1.35
9.5	40	21121	21649	2.26	1.74
9.6	41	21649	22177	3.17	2.49
9.7	42	22177	22705	3.56	2.56

9.8	43	22705	23233	2.00	1.80
9.9	44	23233	23761	1.63	1.49
10	45	23761	24289	1.74	1.52
10.1	46	24289	24817	1.73	1.63
10.2	47	24817	25345	1.24	1.36
10.3	48	25345	25873	1.65	1.69
10.4	49	25873	26401	1.67	1.83
10.5	50	26401	26929	1.38	1.33
10.6	51	26929	27457	1.50	1.29
10.7	52	27457	27985	1.40	1.40
10.8	53	27985	28513	1.27	1.48
10.9	54	28513	29041	2.36	2.41
11	55	29041	29569	3.97	3.95
11.1	56	29569	30097	1.82	1.77
11.2	57	30097	30625	1.34	1.38
11.3	58	30625	31153	1.35	1.64
11.4	59	31153	31681	1.45	1.60
11.5	60	31681	32209	1.32	1.57
11.6	61	32209	32737	1.77	1.68
11.7	62	32737	33265	1.48	1.47
11.8	63	33265	33793	1.54	1.81
11.9	64	33793	34321	1.33	1.46
12	65	34321	34849	1.22	1.44
12.1	66	34849	35377	1.55	1.70
12.2	67	35377	35905	1.32	1.56
12.3	68	35905	36433	1.46	1.51
12.4	69	36433	36961	1.43	1.29
12.5	70	36961	37489	1.40	1.35
12.6	71	37489	38017	1.25	1.40
12.7	72	38017	38545	1.44	1.65
12.8	73	38545	39073	2.01	2.04
12.9	74	39073	39601	3.11	3.23
13	75	39601	40129	3.40	3.31
13.1	76	40129	40657	3.36	3.00
13.2	77	40657	41185	3.38	3.73
13.3	78	41185	41713	2.24	2.28
13.4	79	41713	42241	1.47	1.46
13.5	80	42241	42769	1.42	1.58
13.6	81	42769	43297	1.52	1.63
13.7	82	43297	43825	1.45	1.49
13.8	83	43825	44353	1.70	1.70
13.9	84	44353	44881	1.89	1.95
14	85	44881	45409	1.58	1.86

14.1	86	45409	45937	1.71	1.78
14.2	87	45937	46465	1.83	1.62
14.3	88	46465	46993	1.25	1.49
14.4	89	46993	47521	1.76	1.81
14.5	90	47521	48049	1.42	1.68
14.6	91	48049	48577	2.02	1.92
14.7	92	48577	49105	1.98	1.83
14.8	93	49105	49633	1.67	1.66
14.9	94	49633	50161	1.63	1.75
15	95	50161	50689	1.86	1.83
15.1	96	50689	51217	1.59	1.50
15.2	97	51217	51745	1.90	1.82
15.3	98	51745	52273	1.94	1.79
15.4	99	52273	52801	1.91	1.78
15.5	100	52801	53329	1.98	1.92
15.6	101	53329	53857	2.89	2.64
15.7	102	53857	54385	2.43	2.29
15.8	103	54385	54913	1.92	1.79
15.9	104	54913	55441	1.99	1.81
16	105	55441	55969	1.75	1.81
16.1	106	55969	56497	2.51	2.41
16.2	107	56497	57025	1.77	1.58
16.3	108	57025	57553	1.97	1.88
16.4	109	57553	58081	1.56	1.53
16.5	110	58081	58609	1.79	2.05
16.6	111	58609	59137	2.32	2.57
16.7	112	59137	59665	1.84	1.70
16.8	113	59665	60193	1.87	1.51
16.9	114	60193	60721	1.84	1.53
17	115	60721	61249	1.90	1.67
17.1	116	61249	61777	1.85	1.85
17.2	117	61777	62305	1.84	1.72
17.3	118	62305	62833	1.91	1.85
17.4	119	62833	63361	2.39	1.73
17.5	120	63361	63889	2.33	2.40
17.6	121	63889	64417	1.89	1.90
17.7	122	64417	64945	2.84	2.90
17.8	123	64945	65473	2.14	2.01
17.9	124	65473	66001	2.05	1.87
18	125	66001	66529	1.65	1.69
18.1	126	66529	67057	1.80	1.95
18.2	127	67057	67585	1.46	1.74
18.3	128	67585	68113	1.58	1.58

18.4	129	68113	68641	1.77	1.71
18.5	130	68641	69169	1.57	1.38
18.6	131	69169	69697	2.10	1.56
18.7	132	69697	70225	1.82	1.30
18.8	133	70225	70753	1.89	1.70
18.9	134	70753	71281	1.94	1.61
19	135	71281	71809	1.99	1.68
19.1	136	71809	72337	1.87	1.67
19.2	137	72337	72865	1.75	1.71
19.3	138	72865	73393	1.70	1.48
19.4	139	73393	73921	1.74	1.50
19.5	140	73921	74449	1.53	1.83
19.6	141	74449	74977	2.10	2.20
19.7	142	74977	75505	2.28	1.96
19.8	143	75505	76033	1.99	1.61
19.9	144	76033	76561	1.95	1.75
20	145	76561	77089	2.46	1.99
20.1	146	77089	77617	2.20	1.83
20.2	147	77617	78145	2.70	2.53
20.3	148	78145	78673	2.42	2.68
20.4	149	78673	79201	2.07	2.41
20.5	150	79201	79729	2.27	2.24
20.6	151	79729	80257	2.59	2.37
20.7	152	80257	80785	3.48	3.42
20.8	153	80785	81313	2.79	2.61
20.9	154	81313	81841	2.60	2.92
21	155	81841	82369	2.83	1.95
21.1	156	82369	82897	2.41	1.92
21.2	157	82897	83425	2.01	1.99
21.3	158	83425	83953	1.50	1.70
21.4	159	83953	84481	1.90	1.77
21.5	160	84481	85009	2.10	2.29
21.6	0	1	529	2.30	2.54
21.7	1	529	1057	2.04	1.81
21.8	2	1057	1585	1.55	1.62
21.9	3	1585	2113	2.13	2.46
22	4	2113	2641	1.86	2.05
22.1	5	2641	3169	1.76	2.22
22.2	6	3169	3697	2.04	2.05
22.3	7	3697	4225	2.11	2.26
22.4	8	4225	4753	1.88	1.95
22.5	9	4753	5281	1.70	1.93
22.6	10	5281	5809	1.96	2.17

22.7	11	5809	6337	1.95	2.13
22.8	12	6337	6865	1.94	2.23
22.9	13	6865	7393	1.72	1.80
23	14	7393	7921	2.14	1.98
23.1	15	7921	8449	2.03	1.99
23.2	16	8449	8977	5.27	5.06
23.3	17	8977	9505	4.18	4.37
23.4	18	9505	10033	4.28	5.02
23.5	19	10033	10561	4.40	4.33
23.6	20	10561	11089	2.14	2.16
23.7	21	11089	11617	1.78	2.01
23.8	22	11617	12145	1.81	1.90
23.9	23	12145	12673	4.28	3.81
24	24	12673	13201	2.56	2.70
24.1	25	13201	13729	1.81	2.19
24.2	26	13729	14257	2.16	2.11
24.3	27	14257	14785	1.76	1.99
24.4	28	14785	15313	3.48	4.26
24.5	29	15313	15841	3.31	4.39
24.6	30	15841	16369	2.98	3.16
24.7	31	16369	16897	3.15	3.78
24.8	32	16897	17425	2.68	2.55
24.9	33	17425	17953	2.80	2.99
25	34	17953	18481	2.76	2.49
25.1	35	18481	19009	1.97	1.90
25.2	36	19009	19537	2.01	1.73
25.3	37	19537	20065	1.61	1.44
25.4	38	20065	20593	2.23	2.27
25.5	39	20593	21121	3.01	3.23
25.6	40	21121	21649	2.19	1.93
25.7	41	21649	22177	3.40	3.29
25.8	42	22177	22705	1.96	2.26
25.9	43	22705	23233	2.83	3.27
26	44	23233	23761	6.99	7.49
26.1	45	23761	24289	2.61	2.53
26.2	46	24289	24817	2.46	2.23
26.3	47	24817	25345	2.54	2.65
26.4	48	25345	25873	3.00	2.85
26.5	49	25873	26401	7.90	9.16
26.6	50	26401	26929	2.00	1.84
26.7	51	26929	27457	4.84	4.63
26.8	52	27457	27985	5.26	5.40
26.9	53	27985	28513	2.42	2.27

27	54	28513	29041	1.93	1.99
27.1	55	29041	29569	2.77	2.67
27.2	56	29569	30097	1.79	1.95
27.3	57	30097	30625	3.12	3.46
27.4	58	30625	31153	2.26	2.11
27.5	59	31153	31681	3.30	3.14
27.6	60	31681	32209	2.85	2.60
27.7	61	32209	32737	3.89	4.00
27.8	62	32737	33265	2.05	2.13
27.9	63	33265	33793	1.89	1.92
28	64	33793	34321	2.37	2.28
28.1	65	34321	34849	2.81	2.85
28.2	66	34849	35377	2.48	2.96
28.3	67	35377	35905	1.91	1.99
28.4	68	35905	36433	1.92	2.07
28.5	69	36433	36961	1.77	1.91
28.6	70	36961	37489	2.08	2.07
28.7	71	37489	38017	2.20	2.40
28.8	72	38017	38545	2.40	2.10
28.9	73	38545	39073	2.02	2.37
29	74	39073	39601	2.03	2.24
29.1	75	39601	40129	3.84	4.27
29.2	76	40129	40657	3.19	3.25
29.3	77	40657	41185	3.07	2.71
29.4	78	41185	41713	2.06	2.19
29.5	79	41713	42241	5.96	5.73
29.6	80	42241	42769	3.82	3.62
29.7	81	42769	43297	1.94	1.91
29.8	82	43297	43825	2.08	2.01
29.9	83	43825	44353	1.52	1.58
30	84	44353	44881	1.77	1.87
30.1	85	44881	45409	2.05	2.38
30.2	86	45409	45937	1.95	2.12
30.3	87	45937	46465	2.48	2.56
30.4	88	46465	46993	2.31	2.15
30.5	89	46993	47521	1.90	1.86
30.6	90	47521	48049	1.37	1.62
30.7	91	48049	48577	1.73	1.85
30.8	92	48577	49105	2.32	2.31
30.9	93	49105	49633	1.55	1.63
31	94	49633	50161	1.37	1.53
31.1	95	50161	50689	2.26	2.01
31.2	96	50689	51217	2.42	2.58

31.3	97	51217	51745	2.46	2.39
31.4	98	51745	52273	2.34	2.50
31.5	99	52273	52801	2.32	2.56
31.6	100	52801	53329	2.32	2.41
31.7	101	53329	53857	2.50	2.17
31.8	102	53857	54385	3.13	2.86
31.9	103	54385	54913	2.14	2.16
32	104	54913	55441	2.47	2.48
32.1	105	55441	55969	2.28	2.33
32.2	106	55969	56497	2.44	2.52
32.3	107	56497	57025	2.35	2.64
32.4	108	57025	57553	1.57	1.56
32.5	109	57553	58081	1.79	1.78
32.6	110	58081	58609	2.06	2.22
32.7	111	58609	59137	3.03	2.98
32.8	112	59137	59665	1.62	1.45
32.9	113	59665	60193	1.73	1.69
33	114	60193	60721	1.41	1.49
33.1	115	60721	61249	1.03	1.22
33.2	116	61249	61777	1.96	1.80
33.3	117	61777	62305	1.22	1.09
33.4	118	62305	62833	1.15	1.16
33.5	119	62833	63361	3.08	3.23
33.6	120	63361	63889	2.65	2.77
33.7	121	63889	64417	1.55	1.82
33.8	122	64417	64945	1.30	1.27
33.9	123	64945	65473	1.53	1.53
34	124	65473	66001	1.30	1.41
34.1	125	66001	66529	1.39	1.28
34.2	126	66529	67057	0.95	1.19
34.3	127	67057	67585	1.22	1.21
34.4	128	67585	68113	0.96	1.19
34.5	129	68113	68641	1.13	1.16
34.6	130	68641	69169	1.18	1.32
34.7	131	69169	69697	1.34	1.33
34.8	132	69697	70225	1.24	1.22
34.9	133	70225	70753	0.97	1.05
35	134	70753	71281	1.02	0.99
35.1	135	71281	71809	1.03	1.01
35.2	136	71809	72337	1.09	1.14
35.3	137	72337	72865	1.04	1.07
35.4	138	72865	73393	1.05	1.18
35.5	139	73393	73921	1.36	1.28

35.6	140	73921	74449	3.21	3.15
35.7	141	74449	74977	1.33	1.35
35.8	142	74977	75505	1.18	1.31
35.9	143	75505	76033	1.76	1.67
36	144	76033	76561	1.55	1.38
36.1	145	76561	77089	1.66	1.55
36.2	146	77089	77617	1.49	1.53
36.3	147	77617	78145	1.26	1.32
36.4	148	78145	78673	1.26	1.25
36.5	149	78673	79201	1.41	1.42
36.6	150	79201	79729	1.35	1.31
36.7	151	79729	80257	1.32	1.30
36.8	152	80257	80785	1.53	1.63
36.9	153	80785	81313	1.36	1.47
37	154	81313	81841	1.25	1.23
37.1	155	81841	82369	1.45	1.53
37.2	156	82369	82897	1.74	1.80
37.3	157	82897	83425	1.14	1.13
37.4	158	83425	83953	1.18	1.41
37.5	159	83953	84481	2.17	2.44
37.6	160	84481	85009	1.95	1.70
37.7	161	85009	85537	1.06	1.32
37.8	162	85537	86065	1.37	1.66
37.9	163	86065	86593	1.41	1.70
38	164	86593	87121	1.20	1.37
38.1	165	87121	87649	1.33	1.69
38.2	166	87649	88177	1.79	1.78
38.3	167	88177	88705	1.41	1.38
38.4	168	88705	89233	1.15	1.30
38.5	169	89233	89761	2.27	2.29
38.6	170	89761	90289	1.69	1.70
38.7	171	90289	90817	1.72	1.76
38.8	172	90817	91345	1.18	1.26
38.9	173	91345	91873	1.56	1.55
39	174	91873	92401	1.38	1.45
39.1	175	92401	92929	1.25	1.53
39.2	176	92929	93457	1.24	1.38
39.3	177	93457	93985	1.47	1.59
39.4	178	93985	94513	1.53	1.47
39.5	179	94513	95041	1.33	1.50
39.6	180	95041	95569	1.57	1.67
39.7	181	95569	96097	1.92	2.11
39.8	182	96097	96625	1.24	1.35

39.9	183	96625	97153	1.00	1.12
40	184	97153	97681	1.24	1.35
40.1	185	97681	98209	1.16	1.25
40.2	186	98209	98737	1.22	1.29
40.3	187	98737	99265	1.08	1.24
40.4	188	99265	99793	1.26	1.29
40.5	189	99793	100321	1.24	1.08
40.6	190	100321	100849	1.32	1.32
40.7	191	100849	101377	1.14	1.34
40.8	192	101377	101905	1.18	1.51
40.9	193	101905	102433	1.27	1.18
41	194	102433	102961	1.43	1.52
41.1	195	102961	103489	1.14	1.24
41.2	196	103489	104017	1.39	1.46
41.3	197	104017	104545	1.64	1.45
41.4	198	104545	105073	0.97	1.33
41.5	199	105073	105601	1.12	1.26
41.6	200	105601	106129	1.16	1.10
41.7	201	106129	106657	1.16	1.47
41.8	202	106657	107185	1.22	1.59
41.9	203	107185	107713	1.33	1.56
42	204	107713	108241	1.19	1.14
42.1	205	108241	108769	1.31	1.19
42.2	206	108769	109297	1.26	1.17
42.3	207	109297	109825	0.85	1.09
42.4	208	109825	110353	1.01	1.26
42.5	209	110353	110881	1.24	1.51
42.6	210	110881	111409	1.06	1.37
42.7	211	111409	111937	1.08	1.11
42.8	212	111937	112465	1.04	0.98
42.9	213	112465	112993	0.97	1.17
43	214	112993	113521	1.05	1.46
43.1	215	113521	114049	1.17	1.31
43.2	216	114049	114577	1.03	1.09
43.3	217	114577	115105	1.17	1.28
43.4	218	115105	115633	1.31	1.23
43.5	219	115633	116161	1.30	1.29
43.6	220	116161	116689	1.24	1.21
43.7	221	116689	117217	1.00	1.07
43.8	222	117217	117745	0.95	1.13
43.9	223	117745	118273	1.25	1.27
44	224	118273	118801	1.18	1.40
44.1	225	118801	119329	1.01	1.24

44.2	226	119329	119857	0.95	1.20
44.3	227	119857	120385	1.29	1.33
44.4	228	120385	120913	1.41	1.27
44.5	229	120913	121441	1.46	1.45
44.6	230	121441	121969	1.40	1.59
44.7	231	121969	122497	1.18	1.51
44.8	232	122497	123025	2.59	2.60
44.9	233	123025	123553	1.71	1.52
45	234	123553	124081	1.20	1.14
45.1	235	124081	124609	1.12	1.10
45.2	236	124609	125137	1.38	1.31
45.3	237	125137	125665	1.27	1.36
45.4	238	125665	126193	1.68	1.65
45.5	239	126193	126721	3.51	3.84
45.6	240	126721	127249	2.75	2.53
45.7	241	127249	127777	1.53	1.41
45.8	242	127777	128305	1.28	1.28
45.9	243	128305	128833	1.32	1.33
46	244	128833	129361	1.41	1.44
46.1	245	129361	129889	1.39	1.52
46.2	246	129889	130417	1.65	1.49
46.3	247	130417	130945	1.38	1.31
46.4	248	130945	131473	1.48	1.58
46.5	249	131473	132001	1.41	1.62
46.6	250	132001	132529	1.57	1.54
46.7	251	132529	133057	3.17	3.13
46.8	252	133057	133585	4.51	4.12
46.9	253	133585	134113	4.10	4.19
47	254	134113	134641	2.23	1.98
47.1	255	134641	135169	2.71	3.73
47.2	256	135169	135697	2.94	3.20
47.3	257	135697	136225	2.83	3.18
47.4	258	136225	136753	3.18	3.60
47.5	259	136753	137281	4.01	3.55
47.6	260	137281	137809	1.86	1.80
47.7	261	137809	138337	1.06	1.11
47.8	262	138337	138865	1.17	1.22
47.9	263	138865	139393	3.62	3.50
48	264	139393	139921	2.74	2.51
48.1	265	139921	140449	3.74	3.57
48.2	266	140449	140977	1.37	1.31
48.3	267	140977	141505	1.29	1.43
48.4	268	141505	142033	1.16	1.22

48.5	269	142033	142561	1.00	0.99
48.6	270	142561	143089	1.73	1.76
48.7	271	143089	143617	4.18	4.35
48.8	272	143617	144145	2.42	4.38
48.9	273	144145	144673	2.55	3.99
49	274	144673	145201	4.12	4.34
49.1	275	145201	145729	2.48	2.69
49.2	276	145729	146257	1.83	1.79
49.3	277	146257	146785	1.29	1.31
49.4	278	146785	147313	2.04	2.03
49.5	279	147313	147841	1.64	1.84
49.6	280	147841	148369	1.30	1.46
49.7	281	148369	148897	1.56	1.69
49.8	282	148897	149425	1.33	1.39
49.9	283	149425	149953	1.54	1.51
50	284	149953	150481	1.66	1.71
50.1	285	150481	151009	1.74	1.83
50.2	286	151009	151537	1.42	1.44
50.3	287	151537	152065	3.06	2.76
50.4	288	152065	152593	1.67	1.61
50.5	289	152593	153121	1.31	1.16
50.6	290	153121	153649	1.30	1.25
50.7	291	153649	154177	1.73	1.84
50.8	292	154177	154705	2.05	2.09
50.9	293	154705	155233	2.45	2.38
51	294	155233	155761	2.47	2.51
51.1	295	155761	156289	1.68	1.97
51.2	296	156289	156817	1.63	1.85
51.3	297	156817	157345	2.54	2.59
51.4	298	157345	157873	1.56	1.65
51.5	299	157873	158401	1.54	1.33
51.6	300	158401	158929	1.46	1.30
51.7	301	158929	159457	1.35	1.56
51.8	302	159457	159985	1.01	1.43
51.9	303	159985	160513	1.07	1.15
52	304	160513	161041	1.35	1.41
52.1	305	161041	161569	1.45	1.50
52.2	306	161569	162097	2.98	3.07
52.3	307	162097	162625	3.14	2.98
52.4	308	162625	163153	1.72	1.52
52.5	309	163153	163681	2.64	2.49
52.6	310	163681	164209	1.77	1.75
52.7	311	164209	164737	1.45	1.36

52.8	312	164737	165265	1.77	1.89
52.9	313	165265	165793	1.70	1.70
53	314	165793	166321	2.48	2.72
53.1	315	166321	166849	1.71	1.78
53.2	316	166849	167377	2.29	2.45
53.3	317	167377	167905	3.94	4.03
53.4	318	167905	168433	3.25	3.34
53.5	319	168433	168961	2.26	2.27
53.6	320	168961	169489	2.01	2.12
53.7	321	169489	170017	1.87	1.79
53.8	322	170017	170545	2.43	2.41
53.9	323	170545	171073	2.26	2.18
54	324	171073	171601	1.52	1.52
54.1	325	171601	172129	1.36	1.65
54.2	326	172129	172657	3.29	3.53
54.3	327	172657	173185	1.60	1.53
54.4	328	173185	173713	1.27	1.31
54.5	329	173713	174241	1.27	1.38
54.6	330	174241	174769	1.29	1.28
54.7	331	174769	175297	1.16	1.11
54.8	332	175297	175825	2.01	2.08
54.9	333	175825	176353	5.31	4.98
55	334	176353	176881	1.91	2.04
55.1	335	176881	177409	1.34	1.39
55.2	336	177409	177937	1.27	1.38
55.3	337	177937	178465	1.26	1.45
55.4	338	178465	178993	1.58	1.69
55.5	339	178993	179521	1.72	1.66
55.6	340	179521	180049	1.26	1.73
55.7	341	180049	180577	1.24	1.51
55.8	342	180577	181105	1.42	1.54
55.9	343	181105	181633	2.84	2.94
56	344	181633	182161	2.07	2.04
56.1	345	182161	182689	1.55	1.63
56.2	346	182689	183217	2.49	2.54
56.3	347	183217	183745	1.85	1.89
56.4	348	183745	184273	1.70	1.63
56.5	349	184273	184801	1.56	1.58
56.6	350	184801	185329	1.51	1.57
56.7	351	185329	185857	1.36	1.40
56.8	352	185857	186385	1.55	1.60
56.9	353	186385	186913	1.43	1.59
57	354	186913	187441	1.30	1.47

57.1	355	187441	187969	1.57	1.73
57.2	356	187969	188497	1.19	1.27
57.3	357	188497	189025	1.56	1.56
57.4	358	189025	189553	1.89	1.70
57.5	359	189553	190081	1.84	1.77
57.6	360	190081	190609	1.96	1.91
57.7	361	190609	191137	2.12	1.98
57.8	362	191137	191665	3.03	2.92
57.9	363	191665	192193	2.04	2.03
58	364	192193	192721	1.95	2.05
58.1	365	192721	193249	2.25	2.15
58.2	366	193249	193777	2.19	2.28
58.3	367	193777	194305	1.91	1.64
58.4	368	194305	194833	1.55	1.45
58.5	369	194833	195361	1.74	1.67
58.6	370	195361	195889	2.52	2.54
58.7	371	195889	196417	1.54	1.67
58.8	372	196417	196945	1.63	1.65
58.9	373	196945	197473	1.24	1.34
59	374	197473	198001	1.21	1.24
59.1	375	198001	198529	1.47	1.59
59.2	376	198529	199057	1.58	1.76
59.3	377	199057	199585	1.92	2.00
59.4	378	199585	200113	2.00	1.82
59.5	379	200113	200641	1.75	1.65
59.6	380	200641	201169	1.59	1.58
59.7	381	201169	201697	2.34	1.98
59.8	382	201697	202225	2.32	2.29
59.9	383	202225	202753	2.29	1.85
60	384	202753	203281	1.94	1.93
60.1	385	203281	203809	2.20	1.80
60.2	386	203809	204337	2.01	2.08
60.3	387	204337	204865	1.92	1.65
60.4	388	204865	205393	2.20	1.85
60.5	389	205393	205921	1.93	1.83
60.6	390	205921	206449	2.27	2.15
60.7	391	206449	206977	1.78	1.98
60.8	392	206977	207505	1.48	1.48
60.9	393	207505	208033	1.03	1.20
61	394	208033	208561	1.11	1.05
61.1	395	208561	209089	1.62	1.64
61.2	396	209089	209617	1.44	1.54
61.3	397	209617	210145	1.39	1.58

61.4	398	210145	210673	1.13	1.12
61.5	399	210673	211201	1.35	1.28
61.6	400	211201	211729	1.97	2.18
61.7	401	211729	212257	1.54	1.62
61.8	402	212257	212785	2.73	2.67
61.9	403	212785	213313	2.84	2.56
62	404	213313	213841	1.99	1.80
62.1	405	213841	214369	2.48	2.60
62.2	406	214369	214897	2.16	2.44
62.3	407	214897	215425	2.78	3.03
62.4	408	215425	215953	2.33	2.36
62.5	409	215953	216481	3.00	2.92
62.6	410	216481	217009	3.63	3.80
62.7	411	217009	217537	1.53	1.62
62.8	412	217537	218065	1.77	2.03
62.9	413	218065	218593	2.59	2.74
63	414	218593	219121	2.03	2.07
63.1	415	219121	219649	2.89	2.77
63.2	416	219649	220177	2.24	2.33
63.3	417	220177	220705	1.96	2.11
63.4	418	220705	221233	1.57	1.75
63.5	419	221233	221761	1.48	1.61
63.6	420	221761	222289	1.48	1.55
63.7	421	222289	222817	1.42	1.60
63.8	422	222817	223345	1.41	1.52
63.9	423	223345	223873	1.88	2.04
64	424	223873	224401	1.80	2.00
64.1	425	224401	224929	1.78	1.83
64.2	426	224929	225457	2.99	3.00
64.3	427	225457	225985	2.13	2.37
64.4	428	225985	226513	2.02	2.04
64.5	429	226513	227041	1.92	1.87
64.6	430	227041	227569	2.60	2.23
64.7	431	227569	228097	3.11	2.97
64.8	432	228097	228625	1.81	2.09
64.9	433	228625	229153	2.05	1.98
65	434	229153	229681	2.01	1.99
65.1	435	229681	230209	1.81	2.01
65.2	436	230209	230737	1.91	1.64
65.3	437	230737	231265	1.60	1.63
65.4	438	231265	231793	1.83	1.71
65.5	439	231793	232321	2.14	2.09
65.6	440	232321	232849	2.45	2.43

65.7	441	232849	233377	3.19	3.59
65.8	442	233377	233905	3.24	3.97
65.9	443	233905	234433	1.96	2.42
66	444	234433	234961	2.50	2.74
66.1	445	234961	235489	2.60	2.60
66.2	446	235489	236017	3.35	3.52
66.3	447	236017	236545	2.17	3.07
66.4	448	236545	237073	2.28	2.69
66.5	449	237073	237601	1.81	2.37
66.6	450	237601	238129	2.83	3.17
66.7	451	238129	238657	2.39	2.75
66.8	452	238657	239185	2.51	2.77
66.9	453	239185	239713	3.00	3.29
67	454	239713	240241	3.68	5.22
67.1	455	240241	240769	3.67	5.40
67.2	456	240769	241297	3.11	5.02
67.3	457	241297	241825	3.36	3.84
67.4	458	241825	242353	2.99	4.59
67.5	459	242353	242881	2.45	4.09
67.6	460	242881	243409	3.03	3.57
67.7	461	243409	243937	2.39	2.31
67.8	462	243937	244465	3.04	2.95
67.9	463	244465	244993	1.85	1.83
68	464	244993	245521	1.77	1.86
68.1	465	245521	246049	1.61	1.47
68.2	466	246049	246577	3.01	2.98
68.3	467	246577	247105	2.05	1.84
68.4	468	247105	247633	1.46	1.50
68.5	469	247633	248161	1.62	1.52
68.6	470	248161	248689	1.60	1.42
68.7	471	248689	249217	4.41	4.39
68.8	472	249217	249745	2.39	2.90
68.9	473	249745	250273	2.19	2.48
69	474	250273	250801	2.24	3.30
69.1	475	250801	251329	1.81	1.99
69.2	476	251329	251857	2.45	2.92
69.3	477	251857	252385	2.33	2.52
69.4	478	252385	252913	2.32	2.28
69.5	479	252913	253441	1.99	1.96
69.6	480	253441	253969	2.03	2.33
69.7	481	253969	254497	2.15	2.39
69.8	482	254497	255025	2.53	2.66
69.9	483	255025	255553	5.17	4.37

70	484	255553	256081	3.69	4.42
70.1	485	256081	256609	2.35	3.58
70.2	486	256609	257137	2.37	2.79
70.3	487	257137	257665	2.77	3.39
70.4	488	257665	258193	2.92	3.15
70.5	489	258193	258721	2.95	3.62
70.6	490	258721	259249	2.66	3.21
70.7	491	259249	259777	2.09	2.24
70.8	492	259777	260305	2.64	2.78
70.9	493	260305	260833	2.26	2.71
71	494	260833	261361	2.76	2.69
71.1	495	261361	261889	2.24	2.26
71.2	496	261889	262417	3.21	3.20
71.3	497	262417	262945	2.61	3.27
71.4	498	262945	263473	2.61	2.87
71.5	499	263473	264001	3.03	3.84
71.6	500	264001	264529	2.72	3.05
71.7	501	264529	265057	2.04	2.04
71.8	502	265057	265585	2.40	2.38
71.9	503	265585	266113	2.71	2.81
72	504	266113	266641	2.75	2.73
72.1	505	266641	267169	3.13	2.86
72.2	506	267169	267697	3.05	3.91
72.3	507	267697	268225	2.93	3.81
72.4	508	268225	268753	2.95	3.03
72.5	509	268753	269281	2.85	2.31
72.6	510	269281	269809	3.15	3.56
72.7	511	269809	270337	1.56	1.76
72.8	512	270337	270865	2.01	2.35
72.9	513	270865	271393	2.12	2.45
73	514	271393	271921	2.20	2.18
73.1	515	271921	272449	2.76	2.76
73.2	516	272449	272977	2.41	2.47
73.3	517	272977	273505	2.19	2.05
73.4	518	273505	274033	2.30	2.13
73.5	519	274033	274561	1.96	1.82
73.6	520	274561	275089	2.15	2.09
73.7	521	275089	275617	1.82	1.77
73.8	522	275617	276145	2.49	2.36
73.9	523	276145	276673	2.60	2.54
74	524	276673	277201	2.46	2.42
74.1	525	277201	277729	3.54	3.77
74.2	526	277729	278257	5.06	4.84

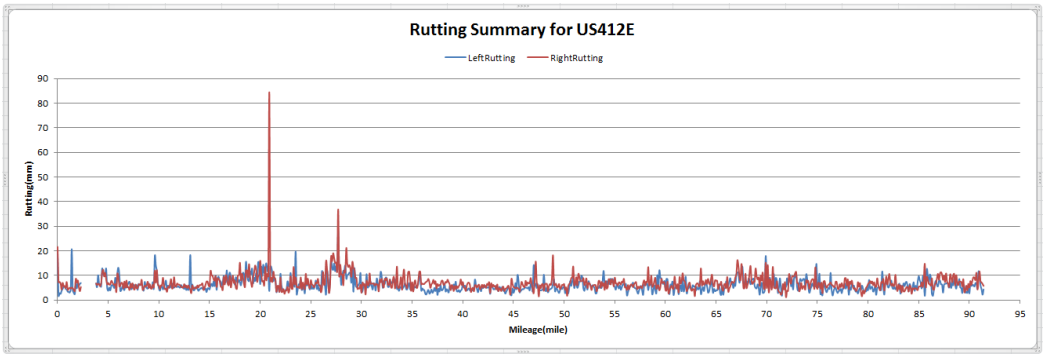
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74.6	530	279841	280369	2.84	3.05
74.7	531	280369	280897	3.03	3.00
74.8	532	280897	281425	2.71	3.51
74.9	533	281425	281953	2.76	2.86
75	534	281953	282481	2.88	2.96
75.1	535	282481	283009	2.22	2.44
75.2	536	283009	283537	2.35	2.29
75.3	537	283537	284065	2.06	2.10
75.4	538	284065	284593	2.61	2.89
75.5	539	284593	285121	2.72	2.71
75.6	540	285121	285649	2.67	2.99
75.7	541	285649	286177	3.10	2.81
75.8	542	286177	286705	2.17	2.07
75.9	543	286705	287233	2.62	2.74
76	544	287233	287761	2.17	2.04
76.1	545	287761	288289	2.32	1.99
76.2	546	288289	288817	1.72	2.11
76.3	547	288817	289345	1.90	1.62
76.4	548	289345	289873	1.94	1.62
76.5	549	289873	290401	2.39	2.15
76.6	550	290401	290929	2.52	2.39
76.7	551	290929	291457	2.34	2.23
76.8	552	291457	291985	2.26	2.35
76.9	553	291985	292513	2.49	2.10
77	554	292513	293041	1.99	1.99
77.1	555	293041	293569	2.63	2.42
77.2	556	293569	294097	2.03	1.97
77.3	557	294097	294625	2.10	2.40
77.4	558	294625	295153	2.42	2.20
77.5	559	295153	295681	3.82	3.10
77.6	560	295681	296209	2.57	2.92
77.7	561	296209	296737	3.09	3.91
77.8	562	296737	297265	2.70	2.68
77.9	563	297265	297793	2.12	2.19
78	564	297793	298321	3.22	3.18
78.1	565	298321	298849	3.03	2.88
78.2	566	298849	299377	2.73	2.76
78.3	567	299377	299905	2.49	2.56
78.4	568	299905	300433	2.50	2.84
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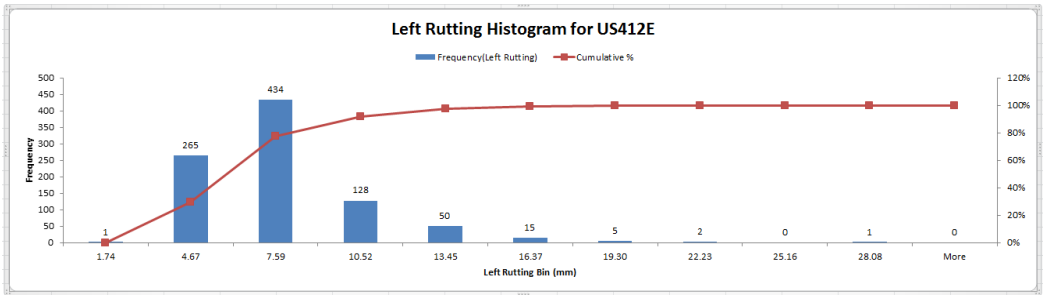
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78.8	572	302017	302545	1.62	1.46
78.9	573	302545	303073	1.60	1.72
79	574	303073	303601	1.47	1.76
79.1	575	303601	304129	1.48	1.65
79.2	576	304129	304657	1.76	1.92
79.3	577	304657	305185	2.40	2.21
79.4	578	305185	305713	1.52	1.63
79.5	579	305713	306241	1.55	1.58
79.6	580	306241	306769	1.72	1.89
79.7	581	306769	307297	2.00	1.92
79.8	582	307297	307825	2.02	2.02
79.9	583	307825	308353	1.75	1.70
80	584	308353	308881	2.04	1.89
80.1	585	308881	309409	1.76	1.69
80.2	586	309409	309937	1.95	1.89
80.3	587	309937	310465	2.38	2.16
80.4	588	310465	310993	2.34	2.31
80.5	589	310993	311521	2.01	2.00
80.6	590	311521	312049	2.68	2.36
80.7	591	312049	312577	2.23	2.11
80.8	592	312577	313105	2.44	2.31
80.9	593	313105	313633	1.81	1.66
81	594	313633	314161	2.40	2.37
81.1	595	314161	314689	2.29	2.13
81.2	596	314689	315217	1.99	1.88
81.3	597	315217	315745	1.86	1.84
81.4	598	315745	316273	1.59	1.65
81.5	599	316273	316801	2.16	2.00
81.6	600	316801	317329	1.99	2.26
81.7	601	317329	317857	2.87	2.78
81.8	602	317857	318385	1.88	1.71
81.9	603	318385	318913	1.67	1.60
82	604	318913	319441	3.75	4.00
82.1	605	319441	319969	2.42	2.47
82.2	606	319969	320497	1.88	1.84
82.3	607	320497	321025	1.90	1.81
82.4	608	321025	321553	1.48	1.44
82.5	609	321553	322081	2.00	1.95
82.6	610	322081	322609	2.48	2.51
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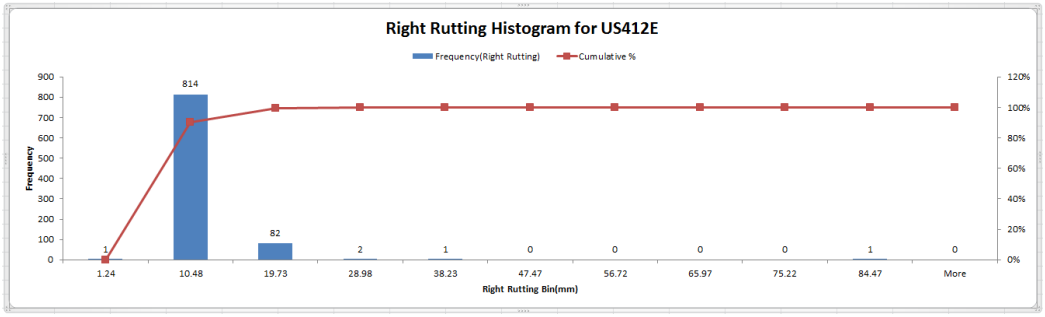
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83	614	324193	324721	1.92	1.97
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83.2	616	325249	325777	1.82	1.80
83.3	617	325777	326305	1.51	1.37
83.4	618	326305	326833	1.15	1.12
83.5	619	326833	327361	1.29	1.33
83.6	620	327361	327889	1.51	1.50
83.7	621	327889	328417	1.51	1.46
83.8	622	328417	328945	1.32	1.32
83.9	623	328945	329473	1.43	1.39
84	624	329473	330001	1.31	1.32
84.1	625	330001	330529	1.57	1.75
84.2	626	330529	331057	1.28	1.25
84.3	627	331057	331585	1.32	1.33
84.4	628	331585	332113	1.93	1.80
84.5	629	332113	332641	1.57	1.81
84.6	630	332641	333169	1.51	1.69
84.7	631	333169	333697	1.51	1.47
84.8	632	333697	334225	1.47	1.56
84.9	633	334225	334753	1.38	1.45
85	634	334753	335281	1.75	1.91
85.1	635	335281	335809	2.02	2.27
85.2	636	335809	336337	2.54	2.51
85.3	637	336337	336865	2.57	2.67
85.4	638	336865	337393	2.45	2.53
85.5	639	337393	337921	4.85	4.86
85.6	640	337921	338449	2.94	3.05
85.7	641	338449	338977	2.48	2.70
85.8	642	338977	339505	2.24	2.50
85.9	643	339505	340033	2.50	2.82
86	644	340033	340561	3.31	3.72
86.1	645	340561	341089	2.03	1.78
86.2	646	341089	341617	2.89	2.95
86.3	647	341617	342145	1.99	1.99
86.4	648	342145	342673	3.63	3.57
86.5	649	342673	343201	2.75	2.95
86.6	650	343201	343729	2.06	1.99
86.7	651	343729	344257	1.79	1.76
86.8	652	344257	344785	2.07	2.11
86.9	653	344785	345313	1.61	1.38
87	654	345313	345841	1.63	1.48
87.1	655	345841	346369	1.55	1.57

87.2	656	346369	346897	1.28	1.37
87.3	657	346897	347425	2.25	2.09
87.4	658	347425	347953	1.68	1.58
87.5	659	347953	348481	1.41	1.42
87.6	660	348481	349009	1.50	1.43
87.7	661	349009	349537	1.70	1.72
87.8	662	349537	350065	1.64	1.70
87.9	663	350065	350593	1.30	1.24
88	664	350593	351121	1.47	1.59
88.1	665	351121	351649	1.60	1.50
88.2	666	351649	352177	1.38	1.57
88.3	667	352177	352705	1.58	1.54
88.4	668	352705	353233	1.71	1.85
88.5	669	353233	353761	2.11	1.89
88.6	670	353761	354289	1.57	1.67
88.7	671	354289	354817	1.67	1.65
88.8	672	354817	355345	1.12	1.02
88.9	673	355345	355873	1.12	1.16
89	674	355873	356401	1.13	1.13
89.1	675	356401	356929	1.17	1.13
89.2	676	356929	357457	1.19	1.12
89.3	677	357457	357985	1.21	1.28
89.4	678	357985	358513	1.14	1.22
89.5	679	358513	359041	1.23	1.16
89.6	680	359041	359569	1.10	1.12
89.7	681	359569	360097	1.54	1.39
89.8	682	360097	360625	1.35	1.55
89.9	683	360625	361153	1.41	1.54
90	684	361153	361681	1.29	1.45
90.1	685	361681	362209	1.30	1.25
90.2	686	362209	362737	1.57	1.41
90.3	687	362737	363265	2.82	2.83
90.4	688	363265	363793	1.92	2.06
90.5	689	363793	364321	1.28	1.38
90.6	690	364321	364849	1.19	1.15
90.7	691	364849	365377	1.90	1.93
90.8	692	365377	365905	2.17	1.99
90.9	693	365905	366433	2.04	2.04
91	694	366433	366961	2.14	2.17
91.1	695	366961	367489	1.76	1.84
91.2	696	367489	368017	1.57	1.51
91.3	697	368017	368545	1.51	1.52
91.4	698	368545	369073	1.46	1.43

Rutting Data







Mileage(mile)	RuttingID	BgnPos	EndPos	LeftRutting	RightRutting
0	0	1	529	19.08	21.64
0.1	1	529	1057	1.74	7.25
0.2	2	1057	1585	2.87	7.43
0.3	3	1585	2113	2.56	6.75
0.4	4	2113	2641	3.83	4.34
0.5	5	2641	3169	4.55	7.03
0.6	6	3169	3697	5.43	5.72
0.7	7	3697	4225	5.65	5.76
0.8	8	4225	4753	4.59	4.91
0.9	9	4753	5281	4.37	7.42
1	10	5281	5809	3.45	4.17
1.1	11	5809	6337	3.41	4.71
1.2	12	6337	6865	3.11	5.07
1.3	13	6865	7393	4.48	4.69
1.4	14	7393	7921	20.72	5.18
1.5	15	7921	8449	4.11	4.82
1.6	16	8449	8977	3.04	4.23
1.7	17	8977	9505	2.44	3.68
1.8	18	9505	10033	6.62	8.69
1.9	19	10033	10561	4.84	7.16
2	20	10561	11089	6.91	8.00
2.1	21	11089	11617	5.97	5.38
2.2	22	11617	12145	6.62	3.66
2.3	23	12145	12673	6.99	5.37
2.4-3.7	Missing				
3.8	0	1	529	6.84	6.79
3.9	1	529	1057	5.35	6.22
4	2	1057	1585	10.20	6.72
4.1	3	1585	2113	6.68	6.47
4.2	4	2113	2641	6.53	5.67
4.3	5	2641	3169	5.53	6.82
4.4	6	3169	3697	12.84	11.23
4.5	7	3697	4225	10.21	12.35
4.6	8	4225	4753	10.42	9.63
4.7	9	4753	5281	10.60	11.13
4.8	10	5281	5809	12.74	8.42
4.9	11	5809	6337	4.70	6.37
5	12	6337	6865	3.82	7.03
5.1	13	6865	7393	5.17	6.31
5.2	14	7393	7921	3.99	6.38
5.3	15	7921	8449	5.88	7.86
5.4	16	8449	8977	6.18	7.36

5.5	0	1	529	5.78	6.49
5.6	1	529	1057	5.05	6.18
5.7	2	1057	1585	9.14	6.52
5.8	3	1585	2113	6.20	3.31
5.9	4	2113	2641	11.07	10.78
6	5	2641	3169	13.21	9.51
6.1	6	3169	3697	10.26	5.62
6.2	7	3697	4225	3.72	6.02
6.3	8	4225	4753	4.21	7.16
6.4	9	4753	5281	5.56	6.85
6.5	10	5281	5809	4.64	4.81
6.6	11	5809	6337	4.15	7.59
6.7	12	6337	6865	6.34	5.12
6.8	13	6865	7393	5.07	7.98
6.9	14	7393	7921	6.14	5.25
7	15	7921	8449	6.90	5.35
7.1	16	8449	8977	7.48	4.15
7.2	17	8977	9505	5.46	6.73
7.3	18	9505	10033	4.43	5.04
7.4	19	10033	10561	5.50	6.88
7.5	20	10561	11089	6.33	4.83
7.6	21	11089	11617	5.64	4.29
7.7	22	11617	12145	5.66	6.36
7.8	23	12145	12673	6.19	4.81
7.9	24	12673	13201	4.17	4.90
8	25	13201	13729	6.60	6.41
8.1	26	13729	14257	6.04	6.32
8.2	27	14257	14785	6.47	6.22
8.3	28	14785	15313	6.44	8.31
8.4	29	15313	15841	5.16	4.20
8.5	30	15841	16369	3.90	4.73
8.6	31	16369	16897	7.46	5.90
8.7	32	16897	17425	5.55	5.58
8.8	33	17425	17953	4.97	6.10
8.9	34	17953	18481	4.70	7.49
9	35	18481	19009	6.77	4.91
9.1	36	19009	19537	5.28	6.48
9.2	37	19537	20065	5.50	4.78
9.3	38	20065	20593	5.00	4.69
9.4	39	20593	21121	7.35	6.33
9.5	40	21121	21649	4.72	5.24
9.6	41	21649	22177	18.05	11.96
9.7	42	22177	22705	14.17	7.09

9.8	43	22705	23233	11.82	12.23
9.9	44	23233	23761	7.28	6.22
10	45	23761	24289	4.85	6.04
10.1	46	24289	24817	3.89	4.59
10.2	47	24817	25345	5.30	6.05
10.3	48	25345	25873	6.01	5.83
10.4	49	25873	26401	4.40	9.13
10.5	50	26401	26929	5.40	6.07
10.6	51	26929	27457	6.38	4.47
10.7	52	27457	27985	7.95	4.72
10.8	53	27985	28513	3.97	3.40
10.9	54	28513	29041	5.96	5.52
11	55	29041	29569	5.15	5.11
11.1	56	29569	30097	5.10	6.63
11.2	57	30097	30625	5.89	8.54
11.3	58	30625	31153	6.80	4.73
11.4	59	31153	31681	5.48	5.11
11.5	60	31681	32209	5.05	9.39
11.6	61	32209	32737	5.72	5.68
11.7	62	32737	33265	5.48	5.54
11.8	63	33265	33793	5.35	6.79
11.9	64	33793	34321	5.64	6.30
12	65	34321	34849	5.32	6.37
12.1	66	34849	35377	5.09	5.97
12.2	67	35377	35905	6.17	5.38
12.3	68	35905	36433	5.14	5.31
12.4	69	36433	36961	5.50	5.06
12.5	70	36961	37489	4.57	6.55
12.6	71	37489	38017	6.14	5.28
12.7	72	38017	38545	4.13	5.94
12.8	73	38545	39073	5.17	4.91
12.9	74	39073	39601	4.10	6.00
13	75	39601	40129	5.48	5.20
13.1	76	40129	40657	18.36	4.18
13.2	77	40657	41185	4.73	2.89
13.3	78	41185	41713	6.42	6.02
13.4	79	41713	42241	4.07	4.62
13.5	80	42241	42769	4.07	5.05
13.6	81	42769	43297	5.33	5.16
13.7	82	43297	43825	5.17	4.72
13.8	83	43825	44353	4.85	6.01
13.9	84	44353	44881	3.81	5.15
14	85	44881	45409	4.38	6.09

14.1	86	45409	45937	4.70	6.09
14.2	87	45937	46465	5.02	6.32
14.3	88	46465	46993	4.64	6.82
14.4	89	46993	47521	5.40	4.18
14.5	90	47521	48049	4.30	4.88
14.6	91	48049	48577	4.74	6.22
14.7	92	48577	49105	3.30	7.54
14.8	93	49105	49633	4.79	7.58
14.9	94	49633	50161	4.84	6.07
15	95	50161	50689	4.35	5.59
15.1	96	50689	51217	5.96	11.89
15.2	97	51217	51745	6.68	10.21
15.3	98	51745	52273	5.64	9.90
15.4	99	52273	52801	7.67	8.49
15.5	100	52801	53329	5.72	7.94
15.6	101	53329	53857	9.99	9.73
15.7	102	53857	54385	4.20	5.35
15.8	103	54385	54913	9.11	8.89
15.9	104	54913	55441	9.56	8.56
16	105	55441	55969	7.78	7.91
16.1	106	55969	56497	7.72	5.52
16.2	107	56497	57025	5.96	5.40
16.3	108	57025	57553	7.25	4.14
16.4	109	57553	58081	9.90	9.48
16.5	110	58081	58609	7.54	6.39
16.6	111	58609	59137	7.23	10.09
16.7	112	59137	59665	12.12	8.84
16.8	113	59665	60193	6.58	6.75
16.9	114	60193	60721	9.45	6.09
17	115	60721	61249	11.26	9.95
17.1	116	61249	61777	9.48	5.23
17.2	117	61777	62305	8.06	7.44
17.3	118	62305	62833	8.45	9.95
17.4	119	62833	63361	8.44	7.00
17.5	120	63361	63889	6.30	7.92
17.6	121	63889	64417	9.34	5.01
17.7	122	64417	64945	7.71	4.60
17.8	123	64945	65473	7.10	10.01
17.9	124	65473	66001	8.28	10.18
18	125	66001	66529	7.37	15.25
18.1	126	66529	67057	6.03	8.12
18.2	127	67057	67585	8.56	10.72
18.3	128	67585	68113	11.19	9.26

18.4	129	68113	68641	10.41	6.52
18.5	130	68641	69169	7.76	5.35
18.6	131	69169	69697	15.67	12.06
18.7	132	69697	70225	10.39	12.09
18.8	133	70225	70753	8.12	9.27
18.9	134	70753	71281	7.76	14.64
19	135	71281	71809	11.67	9.67
19.1	136	71809	72337	10.61	7.16
19.2	137	72337	72865	12.86	5.42
19.3	138	72865	73393	6.89	9.04
19.4	139	73393	73921	9.16	11.23
19.5	140	73921	74449	7.80	14.12
19.6	141	74449	74977	10.95	12.40
19.7	142	74977	75505	7.90	7.45
19.8	143	75505	76033	15.48	9.62
19.9	144	76033	76561	15.29	10.58
20	145	76561	77089	6.51	16.05
20.1	146	77089	77617	13.70	11.20
20.2	147	77617	78145	9.85	7.59
20.3	148	78145	78673	14.47	7.85
20.4	149	78673	79201	11.01	6.04
20.5	150	79201	79729	12.97	13.47
20.6	151	79729	80257	14.96	8.06
20.7	152	80257	80785	11.75	10.76
20.8	153	80785	81313	11.61	9.69
20.9	154	81313	81841	3.75	84.47
21	155	81841	82369	13.80	7.69
21.1	156	82369	82897	13.43	9.16
21.2	157	82897	83425	10.83	7.42
21.3	158	83425	83953	7.78	11.59
21.4	159	83953	84481	9.26	9.19
21.5	160	84481	85009	8.30	8.46
21.6	0	1	529	3.29	3.46
21.7	1	529	1057	4.86	5.77
21.8	2	1057	1585	5.33	5.78
21.9	3	1585	2113	3.52	3.44
22	4	2113	2641	10.76	9.21
22.1	5	2641	3169	5.95	3.37
22.2	6	3169	3697	4.47	3.43
22.3	7	3697	4225	3.70	4.49
22.4	8	4225	4753	3.42	2.60
22.5	9	4753	5281	4.15	3.86
22.6	10	5281	5809	4.59	3.97

22.7	11	5809	6337	7.70	5.39
22.8	12	6337	6865	5.67	3.04
22.9	13	6865	7393	5.64	4.50
23	14	7393	7921	11.07	9.69
23.1	15	7921	8449	5.33	4.71
23.2	16	8449	8977	5.60	4.60
23.3	17	8977	9505	7.51	13.50
23.4	18	9505	10033	5.63	6.41
23.5	19	10033	10561	19.82	9.28
23.6	20	10561	11089	2.40	5.53
23.7	21	11089	11617	4.16	5.13
23.8	22	11617	12145	6.47	5.49
23.9	23	12145	12673	6.39	4.89
24	24	12673	13201	8.55	9.27
24.1	25	13201	13729	4.17	4.48
24.2	26	13729	14257	4.50	7.16
24.3	27	14257	14785	5.87	6.09
24.4	28	14785	15313	2.72	4.57
24.5	29	15313	15841	7.69	10.74
24.6	30	15841	16369	5.93	6.41
24.7	31	16369	16897	6.61	8.75
24.8	32	16897	17425	6.01	6.03
24.9	33	17425	17953	4.33	4.86
25	34	17953	18481	6.60	8.12
25.1	35	18481	19009	4.61	6.49
25.2	36	19009	19537	5.28	6.09
25.3	37	19537	20065	4.60	5.23
25.4	38	20065	20593	6.17	6.06
25.5	39	20593	21121	7.97	7.22
25.6	40	21121	21649	4.52	6.84
25.7	41	21649	22177	6.14	8.69
25.8	42	22177	22705	3.93	6.07
25.9	43	22705	23233	4.78	6.04
26	44	23233	23761	3.58	3.21
26.1	45	23761	24289	11.92	4.90
26.2	46	24289	24817	7.46	11.45
26.3	47	24817	25345	8.14	6.22
26.4	48	25345	25873	5.54	6.65
26.5	49	25873	26401	2.39	15.96
26.6	50	26401	26929	11.76	12.83
26.7	51	26929	27457	8.98	7.11
26.8	52	27457	27985	2.93	2.90
26.9	53	27985	28513	9.31	6.49

27	54	28513	29041	16.62	17.88
27.1	55	29041	29569	13.14	15.84
27.2	56	29569	30097	12.27	19.06
27.3	57	30097	30625	14.96	17.16
27.4	58	30625	31153	11.82	15.13
27.5	59	31153	31681	13.81	15.32
27.6	60	31681	32209	11.73	11.72
27.7	61	32209	32737	28.08	36.91
27.8	62	32737	33265	12.67	9.95
27.9	63	33265	33793	11.98	14.42
28	64	33793	34321	6.21	10.38
28.1	65	34321	34849	10.05	10.47
28.2	66	34849	35377	11.91	6.04
28.3	67	35377	35905	12.24	12.07
28.4	68	35905	36433	14.00	11.23
28.5	69	36433	36961	8.70	21.23
28.6	70	36961	37489	10.17	14.68
28.7	71	37489	38017	10.43	13.47
28.8	72	38017	38545	11.21	14.26
28.9	73	38545	39073	11.00	12.92
29	74	39073	39601	7.11	9.48
29.1	75	39601	40129	14.26	15.61
29.2	76	40129	40657	3.45	13.06
29.3	77	40657	41185	13.10	12.56
29.4	78	41185	41713	6.12	8.93
29.5	79	41713	42241	5.34	9.06
29.6	80	42241	42769	5.44	4.55
29.7	81	42769	43297	6.25	4.92
29.8	82	43297	43825	7.11	4.75
29.9	83	43825	44353	11.06	6.26
30	84	44353	44881	3.17	3.01
30.1	85	44881	45409	3.73	7.16
30.2	86	45409	45937	6.05	5.94
30.3	87	45937	46465	5.83	6.54
30.4	88	46465	46993	4.31	2.30
30.5	89	46993	47521	10.57	7.82
30.6	90	47521	48049	5.13	6.49
30.7	91	48049	48577	5.63	6.03
30.8	92	48577	49105	5.85	10.89
30.9	93	49105	49633	7.51	6.73
31	94	49633	50161	5.89	6.72
31.1	95	50161	50689	4.31	6.77
31.2	96	50689	51217	6.83	6.77

31.3	97	51217	51745	6.40	5.93
31.4	98	51745	52273	3.94	6.68
31.5	99	52273	52801	8.78	6.34
31.6	100	52801	53329	7.06	6.26
31.7	101	53329	53857	5.64	3.59
31.8	102	53857	54385	7.88	8.24
31.9	103	54385	54913	11.61	7.27
32	104	54913	55441	9.38	8.69
32.1	105	55441	55969	4.97	6.02
32.2	106	55969	56497	7.89	5.21
32.3	107	56497	57025	6.58	8.68
32.4	108	57025	57553	9.26	8.06
32.5	109	57553	58081	8.47	8.88
32.6	110	58081	58609	5.50	6.34
32.7	111	58609	59137	5.43	6.18
32.8	112	59137	59665	8.43	8.36
32.9	113	59665	60193	6.71	5.40
33	114	60193	60721	7.40	5.05
33.1	115	60721	61249	7.17	8.41
33.2	116	61249	61777	8.94	9.48
33.3	117	61777	62305	7.14	4.81
33.4	118	62305	62833	8.27	6.71
33.5	119	62833	63361	4.57	13.67
33.6	120	63361	63889	4.98	5.08
33.7	121	63889	64417	3.79	5.02
33.8	122	64417	64945	5.25	6.84
33.9	123	64945	65473	5.31	9.37
34	124	65473	66001	4.58	4.23
34.1	125	66001	66529	4.99	9.51
34.2	126	66529	67057	5.70	12.41
34.3	127	67057	67585	6.84	6.40
34.4	128	67585	68113	4.56	6.02
34.5	129	68113	68641	4.30	4.97
34.6	130	68641	69169	5.71	11.36
34.7	131	69169	69697	6.96	11.67
34.8	132	69697	70225	4.42	8.35
34.9	133	70225	70753	4.30	3.77
35	134	70753	71281	6.56	7.32
35.1	135	71281	71809	3.97	3.53
35.2	136	71809	72337	5.59	6.71
35.3	137	72337	72865	5.11	8.08
35.4	138	72865	73393	5.48	5.31
35.5	139	73393	73921	5.92	4.99

35.6	140	73921	74449	6.39	7.86
35.7	141	74449	74977	10.44	11.54
35.8	142	74977	75505	9.36	11.59
35.9	143	75505	76033	3.90	6.41
36	144	76033	76561	4.80	6.79
36.1	145	76561	77089	4.19	6.54
36.2	146	77089	77617	4.06	6.60
36.3	147	77617	78145	2.57	7.20
36.4	148	78145	78673	2.35	7.46
36.5	149	78673	79201	3.48	7.82
36.6	150	79201	79729	4.17	8.64
36.7	151	79729	80257	2.70	7.26
36.8	152	80257	80785	3.08	4.99
36.9	153	80785	81313	4.33	6.41
37	154	81313	81841	3.03	6.99
37.1	155	81841	82369	3.55	8.27
37.2	156	82369	82897	5.01	6.61
37.3	157	82897	83425	3.74	7.70
37.4	158	83425	83953	5.57	4.78
37.5	159	83953	84481	2.13	6.60
37.6	160	84481	85009	4.72	5.81
37.7	161	85009	85537	3.53	6.21
37.8	162	85537	86065	6.11	6.35
37.9	163	86065	86593	4.03	7.88
38	164	86593	87121	4.20	7.90
38.1	165	87121	87649	4.96	6.26
38.2	166	87649	88177	6.72	6.47
38.3	167	88177	88705	3.54	7.46
38.4	168	88705	89233	4.46	7.14
38.5	169	89233	89761	4.04	8.34
38.6	170	89761	90289	3.11	7.31
38.7	171	90289	90817	5.71	6.46
38.8	172	90817	91345	5.60	4.07
38.9	173	91345	91873	5.69	6.13
39	174	91873	92401	4.61	5.75
39.1	175	92401	92929	6.41	3.72
39.2	176	92929	93457	5.22	5.80
39.3	177	93457	93985	7.53	4.48
39.4	178	93985	94513	3.72	5.74
39.5	179	94513	95041	3.49	4.95
39.6	180	95041	95569	4.14	5.75
39.7	181	95569	96097	3.25	6.34
39.8	182	96097	96625	3.94	8.45

39.9	183	96625	97153	4.39	6.16
40	184	97153	97681	6.70	7.33
40.1	185	97681	98209	5.31	5.19
40.2	186	98209	98737	5.96	4.81
40.3	187	98737	99265	4.82	3.77
40.4	188	99265	99793	3.93	6.11
40.5	189	99793	100321	4.47	7.01
40.6	190	100321	100849	4.80	7.14
40.7	191	100849	101377	3.96	6.27
40.8	192	101377	101905	4.24	3.35
40.9	193	101905	102433	4.03	4.59
41	194	102433	102961	3.99	5.02
41.1	195	102961	103489	4.86	3.61
41.2	196	103489	104017	8.43	6.07
41.3	197	104017	104545	6.03	6.03
41.4	198	104545	105073	4.52	5.17
41.5	199	105073	105601	3.23	6.00
41.6	200	105601	106129	5.22	6.26
41.7	201	106129	106657	5.12	4.40
41.8	202	106657	107185	3.64	5.34
41.9	203	107185	107713	5.54	6.27
42	204	107713	108241	4.91	5.09
42.1	205	108241	108769	5.40	6.29
42.2	206	108769	109297	5.96	5.41
42.3	207	109297	109825	5.03	5.13
42.4	208	109825	110353	5.12	6.64
42.5	209	110353	110881	5.09	6.11
42.6	210	110881	111409	5.51	7.28
42.7	211	111409	111937	2.56	2.93
42.8	212	111937	112465	6.28	6.88
42.9	213	112465	112993	5.71	5.39
43	214	112993	113521	4.64	6.28
43.1	215	113521	114049	4.33	5.55
43.2	216	114049	114577	4.97	5.78
43.3	217	114577	115105	5.84	4.34
43.4	218	115105	115633	4.79	6.39
43.5	219	115633	116161	3.68	3.73
43.6	220	116161	116689	5.32	4.83
43.7	221	116689	117217	5.03	4.38
43.8	222	117217	117745	4.32	3.73
43.9	223	117745	118273	5.45	5.07
44	224	118273	118801	3.90	5.47
44.1	225	118801	119329	3.68	3.74

44.2	226	119329	119857	2.67	4.64
44.3	227	119857	120385	3.58	4.82
44.4	228	120385	120913	4.41	5.36
44.5	229	120913	121441	5.71	5.88
44.6	230	121441	121969	4.43	4.20
44.7	231	121969	122497	2.71	2.37
44.8	232	122497	123025	2.00	8.67
44.9	233	123025	123553	4.77	6.65
45	234	123553	124081	2.98	5.37
45.1	235	124081	124609	4.14	5.09
45.2	236	124609	125137	6.97	4.86
45.3	237	125137	125665	4.45	5.13
45.4	238	125665	126193	10.22	5.00
45.5	239	126193	126721	7.86	4.53
45.6	240	126721	127249	3.18	3.43
45.7	241	127249	127777	3.70	5.15
45.8	242	127777	128305	4.14	7.47
45.9	243	128305	128833	4.54	6.41
46	244	128833	129361	4.44	5.58
46.1	245	129361	129889	5.02	5.31
46.2	246	129889	130417	5.10	7.86
46.3	247	130417	130945	5.03	5.96
46.4	248	130945	131473	4.77	7.23
46.5	249	131473	132001	5.29	6.86
46.6	250	132001	132529	3.93	6.88
46.7	251	132529	133057	6.65	9.01
46.8	252	133057	133585	5.69	6.59
46.9	253	133585	134113	3.70	4.62
47	254	134113	134641	14.32	2.88
47.1	255	134641	135169	5.85	8.66
47.2	256	135169	135697	6.72	15.72
47.3	257	135697	136225	4.97	7.33
47.4	258	136225	136753	6.48	5.68
47.5	259	136753	137281	4.26	1.52
47.6	260	137281	137809	4.20	5.98
47.7	261	137809	138337	3.93	4.90
47.8	262	138337	138865	4.17	6.44
47.9	263	138865	139393	4.38	6.56
48	264	139393	139921	10.37	3.79
48.1	265	139921	140449	5.25	6.58
48.2	266	140449	140977	3.62	6.64
48.3	267	140977	141505	5.14	6.62
48.4	268	141505	142033	3.21	3.66

48.5	269	142033	142561	4.03	5.83
48.6	270	142561	143089	4.42	6.57
48.7	271	143089	143617	4.66	6.22
48.8	272	143617	144145	5.04	9.27
48.9	273	144145	144673	6.69	18.28
49	274	144673	145201	8.50	6.13
49.1	275	145201	145729	3.61	6.13
49.2	276	145729	146257	4.88	6.70
49.3	277	146257	146785	4.58	5.24
49.4	278	146785	147313	3.59	5.44
49.5	279	147313	147841	2.95	6.58
49.6	280	147841	148369	4.06	4.49
49.7	281	148369	148897	5.05	5.15
49.8	282	148897	149425	4.55	6.24
49.9	283	149425	149953	5.32	6.08
50	284	149953	150481	5.39	6.55
50.1	285	150481	151009	2.84	4.30
50.2	286	151009	151537	4.00	5.17
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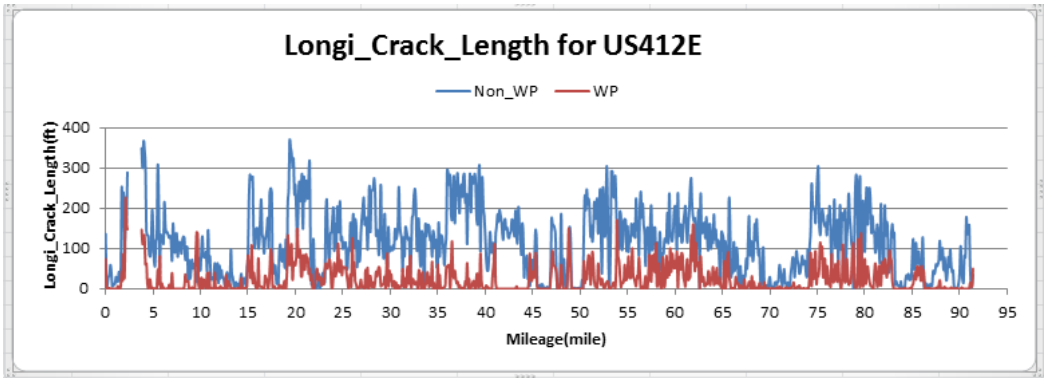
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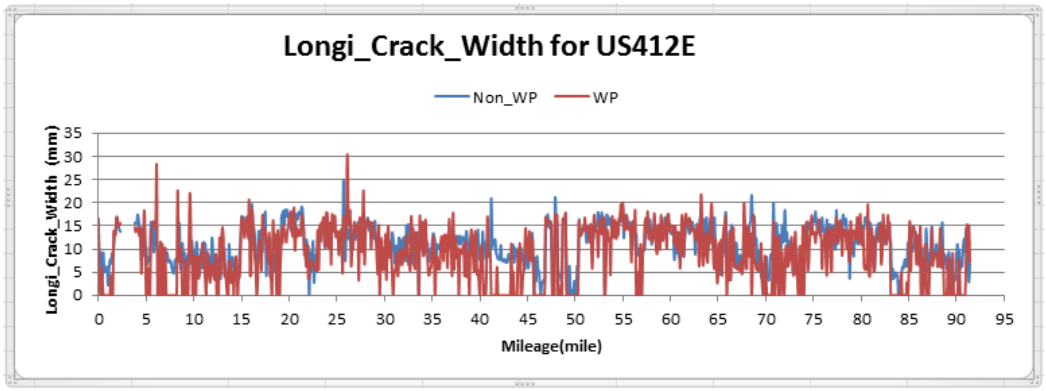
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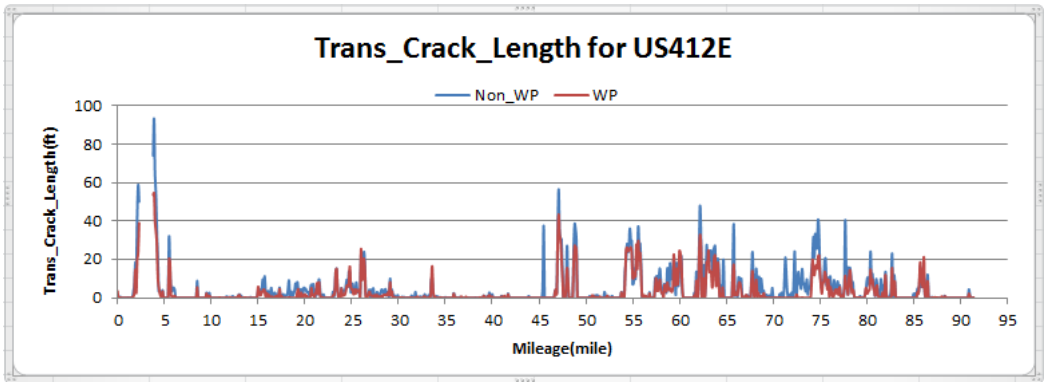
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85.4	638	336865	337393	9.72	5.35
85.5	639	337393	337921	8.10	8.67
85.6	640	337921	338449	1.76	14.79
85.7	641	338449	338977	7.70	5.28
85.8	642	338977	339505	12.76	9.39
85.9	643	339505	340033	9.94	8.28
86	644	340033	340561	6.83	6.70
86.1	645	340561	341089	10.46	6.44
86.2	646	341089	341617	8.99	5.92
86.3	647	341617	342145	2.57	8.88
86.4	648	342145	342673	1.77	4.45
86.5	649	342673	343201	4.39	4.23
86.6	650	343201	343729	6.91	6.33
86.7	651	343729	344257	7.91	6.88
86.8	652	344257	344785	6.10	8.96
86.9	653	344785	345313	5.63	10.69
87	654	345313	345841	7.92	8.25
87.1	655	345841	346369	7.96	10.87

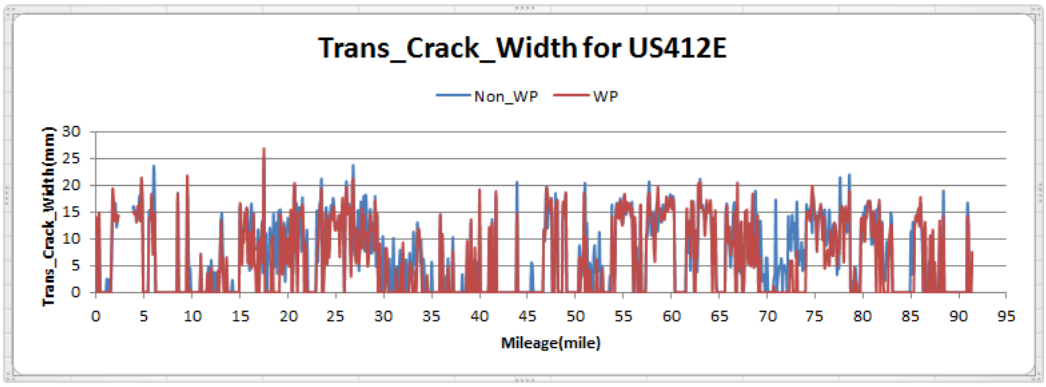
87.2	656	346369	346897	6.46	11.40
87.3	657	346897	347425	6.34	10.44
87.4	658	347425	347953	3.07	8.27
87.5	659	347953	348481	6.35	10.03
87.6	660	348481	349009	6.66	7.34
87.7	661	349009	349537	6.76	10.90
87.8	662	349537	350065	7.01	7.52
87.9	663	350065	350593	6.33	6.74
88	664	350593	351121	5.08	5.47
88.1	665	351121	351649	7.45	10.40
88.2	666	351649	352177	4.95	9.28
88.3	667	352177	352705	6.93	7.33
88.4	668	352705	353233	6.10	10.19
88.5	669	353233	353761	8.64	10.68
88.6	670	353761	354289	6.36	6.00
88.7	671	354289	354817	4.68	10.21
88.8	672	354817	355345	7.30	7.06
88.9	673	355345	355873	6.30	6.13
89	674	355873	356401	8.61	7.61
89.1	675	356401	356929	5.20	7.55
89.2	676	356929	357457	4.98	7.38
89.3	677	357457	357985	2.91	5.59
89.4	678	357985	358513	6.25	8.55
89.5	679	358513	359041	5.63	3.21
89.6	680	359041	359569	3.09	3.82
89.7	681	359569	360097	3.51	5.90
89.8	682	360097	360625	2.98	4.03
89.9	683	360625	361153	5.45	6.65
90	684	361153	361681	2.75	5.13
90.1	685	361681	362209	7.07	7.76
90.2	686	362209	362737	5.79	6.23
90.3	687	362737	363265	6.16	8.02
90.4	688	363265	363793	6.15	9.33
90.5	689	363793	364321	5.53	9.11
90.6	690	364321	364849	6.99	8.23
90.7	691	364849	365377	6.63	11.08
90.8	692	365377	365905	4.74	4.38
90.9	693	365905	366433	11.59	7.85
91	694	366433	366961	9.86	11.71
91.1	695	366961	367489	5.96	7.63
91.2	696	367489	368017	4.52	7.23
91.3	697	368017	368545	2.24	6.60
91.4	698	368545	369073	4.39	5.81

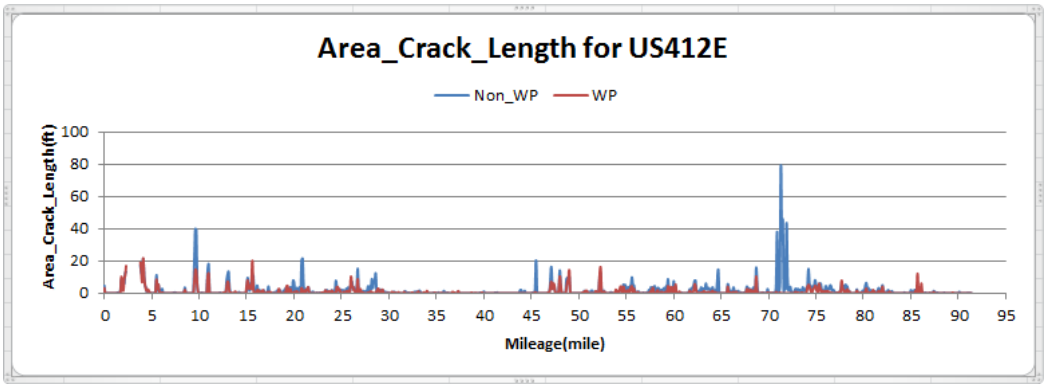
Cracking Data

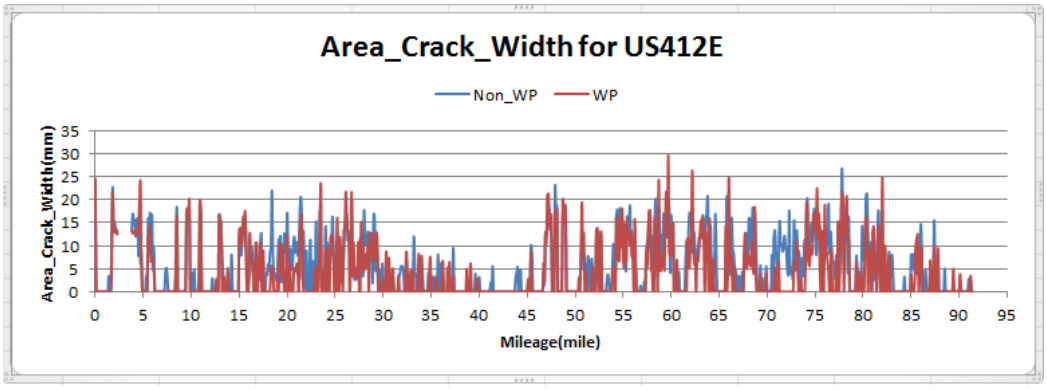







Trans_Crack_Width for US412E
Non_WP
WP
Trans_Crack_Width(mm)
0
5
10
15
20
25
30
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
Mileage(mile)


Area_Crack_Length for US412E
Non_WP
WP
Area_Crack_Length(ft)
0
20
40
60
80
100
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
Mileage(mile)


Area_Crack_Width for US412E
Non_WP
WP
Area_Crack_Width(mm)
0
5
10
15
20
25
30
35
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
Mileage(mile)

Mile	Long Crack Length		Long Crack Width		Trans Crack Length		Trans Crack Width		Area Crack Length		Area Crack Width	
	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP	NWP	WP
0	136.56	73.77	15.17	16.54	1.62	3.54	10.81	14.07	4.71	3.18	18.67	24.54
0.1	3.84	2.19	6.95	5.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.2	11.48	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.3	31.10	0.33	7.07	5.73	0.62	0.37	9.93	14.90	0.00	0.00	0.00	0.00
0.4	32.00	2.28	3.41	3.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.5	59.67	0.00	9.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.6	42.59	0.00	5.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.7	5.92	0.00	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.8	12.59	0.00	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.9	9.93	0.00	6.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	14.57	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.1	29.60	0.00	5.39	0.00	0.36	0.00	2.56	0.00	0.00	0.00	0.00	0.00
1.2	17.32	0.00	7.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.3	18.05	6.99	6.87	4.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.4	41.97	0.00	9.15	0.00	0.35	0.00	2.52	0.00	0.48	0.00	3.43	0.00
1.5	19.95	0.00	9.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.6	43.99	7.08	10.50	13.92	0.62	0.73	6.07	9.10	0.00	0.00	0.00	0.00
1.7	251.88	42.94	12.99	13.72	3.83	0.74	13.85	19.22	2.03	0.50	10.68	4.08
1.8	153.85	21.04	14.16	13.14	7.40	3.58	16.11	17.49	8.68	10.29	22.74	21.43
1.9	238.06	87.33	16.80	16.92	18.70	14.76	13.70	13.49	3.56	5.26	14.49	12.86
2	77.41	29.72	15.55	16.31	13.44	2.54	16.67	14.91	6.19	1.60	15.21	13.29
2.1	178.76	222.55	15.01	15.12	42.54	19.77	12.30	13.12	6.00	8.83	14.09	13.68
2.2	164.37	163.32	14.16	15.28	58.96	23.48	13.38	13.38	12.70	11.21	12.58	13.45
2.3	288.81	147.84	13.73	15.53	50.21	39.01	14.30	14.42	13.26	17.02	12.60	12.57
2.4	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
2.5	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
2.6	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
2.7	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
2.8	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
2.9	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.1	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.2	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.3	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.4	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.5	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.6	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.7	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	#DIV/0!	#DIV/0!
3.8	348.96	146.79	15.68	14.69	74.13	53.67	15.72	15.03	17.37	19.07	13.36	13.38
3.9	300.27	111.34	15.47	13.70	93.43	54.73	16.09	15.04	12.71	13.70	16.96	12.66

4	366.11	117.09	15.60	13.94	65.26	39.69	15.21	14.56	12.04	7.07	14.85	13.06
4.1	347.02	132.23	17.43	14.66	53.87	34.50	15.21	14.56	21.39	21.80	15.57	12.80
4.2	305.24	60.44	16.53	13.94	34.95	27.51	13.59	13.10	10.78	10.34	12.01	12.29
4.3	143.06	63.16	14.00	12.77	20.77	10.71	15.41	16.11	4.65	4.97	13.67	13.55
4.4	132.48	14.28	13.51	14.44	3.53	5.56	13.67	14.82	3.35	2.41	15.71	12.63
4.5	131.64	0.93	7.44	4.73	3.64	2.64	18.04	16.48	0.62	1.31	7.78	14.75
4.6	85.08	23.19	14.47	11.17	2.46	1.13	15.14	13.42	1.47	2.47	14.99	19.04
4.7	80.01	22.96	8.52	12.69	1.22	0.69	20.12	21.41	0.14	1.37	6.25	23.71
4.8	104.91	1.46	15.16	18.34	4.09	3.48	17.06	18.03	0.55	0.40	8.37	6.32
4.9	194.92	3.76	8.78	11.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	153.02	0.00	10.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.1	71.76	0.14	6.64	4.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.2	56.43	1.37	8.27	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.3	118.74	0.00	7.33	0.00	0.00	0.00	0.00	0.00	0.52	0.00	3.54	0.00
5.4	127.52	0.00	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	306.47	47.67	15.71	13.50	31.90	20.31	15.17	13.69	11.26	8.64	15.78	11.63
5.6	217.54	11.74	14.28	14.23	15.97	17.94	13.67	13.60	1.72	2.88	9.52	12.27
5.7	37.98	80.86	13.59	15.65	4.94	1.56	14.05	14.06	5.41	5.49	17.15	14.25
5.8	133.85	2.02	9.33	15.98	3.49	0.80	18.46	18.15	2.23	0.82	8.18	6.51
5.9	120.44	14.07	15.45	14.89	5.43	0.68	15.84	7.19	2.05	0.15	16.74	6.62
6	121.62	6.65	14.64	14.76	5.27	0.74	23.62	12.04	1.57	0.21	4.75	7.22
6.1	112.37	2.17	11.30	28.07	4.30	1.12	16.36	14.65	2.75	0.48	9.54	5.05
6.2	215.24	0.00	9.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.3	153.31	0.00	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.4	139.16	0.00	4.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	141.08	0.81	5.79	11.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.6	133.82	0.00	9.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.7	126.60	10.56	6.03	11.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.8	131.42	0.00	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.9	118.93	6.30	8.25	9.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	69.71	39.32	10.05	10.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.1	161.67	0.00	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.2	116.94	0.00	9.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.3	90.06	0.00	7.81	0.00	0.00	0.00	0.00	0.00	0.55	0.00	4.21	0.00
7.4	137.40	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.47	0.00	5.18	0.00
7.5	137.45	0.00	7.59	0.00	0.00	0.00	0.00	0.00	0.51	0.00	3.22	0.00
7.6	79.73	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.7	113.01	0.00	5.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.8	116.79	0.00	5.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.9	102.64	0.00	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	87.73	0.00	7.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.1	122.50	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	129.79	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

8.3	126.49	6.56	7.36	22.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.4	71.63	35.69	14.37	10.57	0.00	0.00	0.00	0.00	0.61	0.57	9.49	5.14
8.5	104.62	18.26	15.44	7.23	8.90	5.56	18.60	18.37	3.59	2.12	18.23	16.46
8.6	103.87	19.22	5.86	10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	19.59	19.06	5.50	8.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.8	71.13	0.00	11.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.9	25.87	0.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	44.91	0.00	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.1	72.32	3.88	5.31	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.2	50.91	0.00	5.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.3	61.86	0.00	7.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.4	57.06	0.00	8.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9.5	30.80	83.51	8.80	13.39	2.82	2.36	18.16	21.83	21.69	8.46	15.59	17.67
9.6	16.64	140.58	6.88	22.10	1.48	0.34	11.01	2.21	40.01	14.84	16.17	18.18
9.7	24.49	135.85	7.81	12.60	0.94	0.00	2.64	0.00	39.11	14.04	16.62	16.90
9.8	56.60	10.21	11.75	7.70	2.74	1.25	4.52	0.41	5.36	4.80	17.85	19.90
9.9	76.48	0.00	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	45.48	6.78	9.86	7.50	0.00	0.00	0.00	0.00	0.47	0.00	4.13	0.00
10.1	98.79	28.10	8.00	8.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.2	130.33	0.00	8.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.3	79.02	22.88	11.50	6.69	0.00	0.00	0.00	0.00	0.44	0.00	4.84	0.00
10.4	79.17	19.80	7.63	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.5	77.80	4.03	8.31	3.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.6	91.99	2.00	4.46	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.7	44.30	38.97	8.51	8.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.8	146.01	1.87	9.82	7.56	0.00	0.00	0.00	0.00	0.48	0.00	3.87	0.00
10.9	67.94	40.47	5.90	11.25	0.13	0.38	4.84	7.25	14.50	10.55	19.10	19.64
11	80.92	4.86	11.47	8.92	0.00	0.00	0.00	0.00	17.99	12.31	16.39	15.98
11.1	23.29	1.01	11.21	5.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.2	28.84	1.56	11.19	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.3	23.81	0.00	7.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.4	22.67	1.04	8.93	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.5	63.32	40.46	4.62	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.6	27.14	1.03	8.01	5.46	0.60	0.31	2.38	3.58	0.00	0.00	0.00	0.00
11.7	24.05	1.52	8.52	2.78	0.81	0.00	4.80	0.00	0.00	0.00	0.00	0.00
11.8	63.44	1.07	6.26	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11.9	14.44	1.53	12.39	6.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	57.53	0.52	9.37	5.12	0.52	0.41	6.03	4.64	0.00	0.00	0.00	0.00
12.1	25.59	6.98	5.27	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.2	46.55	1.94	6.39	3.38	0.47	0.00	2.14	0.00	0.51	0.00	2.91	0.00
12.3	28.76	2.47	6.79	8.90	0.95	0.00	3.76	0.00	0.00	0.00	0.00	0.00
12.4	28.20	0.00	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	15.11	0.00	5.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12.6	7.01	0.00	8.00	0.00	0.44	0.00	3.77	0.00	0.00	0.56	0.00	2.69
12.7	29.55	34.48	8.87	12.43	0.06	0.35	2.73	4.10	0.00	0.00	0.00	0.00
12.8	41.42	0.86	3.59	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.9	32.72	19.24	10.11	12.16	1.18	1.21	6.41	5.36	8.50	4.71	16.81	16.63
13	30.50	6.53	8.83	14.66	1.95	1.56	12.52	13.52	11.68	7.25	15.90	15.88
13.1	11.72	11.58	9.17	12.28	1.47	0.42	14.76	4.06	13.44	5.82	14.43	14.57
13.2	97.90	1.99	9.95	4.32	0.99	0.42	8.03	6.18	3.27	0.00	9.37	0.00
13.3	35.96	1.57	5.10	6.31	0.40	0.00	3.60	0.00	0.41	0.00	4.16	0.00
13.4	28.96	0.52	3.50	2.67	0.00	0.00	0.00	0.00	0.08	0.46	2.10	3.14
13.5	10.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.6	2.02	0.00	2.69	0.00	0.07	0.31	4.39	6.59	0.00	0.00	0.00	0.00
13.7	16.75	0.38	11.07	7.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.8	6.53	0.47	5.51	7.47	0.00	0.00	0.00	0.00	0.56	1.10	3.38	5.07
13.9	13.31	2.05	6.32	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	4.56	0.53	8.26	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.1	9.63	2.02	7.92	4.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.2	21.64	0.00	5.18	0.00	0.49	0.00	2.33	0.00	0.83	0.00	8.04	0.00
14.3	37.09	26.90	4.89	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.4	7.36	4.08	3.22	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	20.77	0.97	5.66	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.6	26.83	0.00	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.7	18.81	2.00	3.45	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.8	8.00	2.00	9.05	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.9	50.48	7.01	12.24	9.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	87.11	81.71	17.00	16.68	3.92	5.87	16.04	16.45	2.47	4.60	12.29	13.54
15.1	212.83	49.87	15.81	15.19	4.67	3.77	8.70	14.30	9.52	8.16	12.71	13.86
15.2	282.76	50.98	16.93	16.32	3.84	1.47	9.55	5.39	6.67	3.23	7.87	10.10
15.3	271.70	28.56	16.13	12.46	3.91	1.53	11.74	10.35	1.55	2.89	11.03	11.25
15.4	272.78	108.73	16.11	14.61	4.38	3.34	12.07	9.43	5.97	5.03	14.37	16.21
15.5	278.50	15.95	15.80	15.31	9.72	3.17	13.69	14.84	4.02	2.86	16.20	12.49
15.6	130.89	40.28	16.87	16.85	4.08	4.45	12.87	11.48	11.16	20.21	16.71	17.48
15.7	100.42	23.72	12.74	12.80	11.33	3.82	15.66	15.72	10.68	3.46	13.72	7.31
15.8	142.98	6.42	12.03	20.49	4.31	0.70	12.58	5.53	1.11	0.00	6.09	0.00
15.9	150.32	1.05	13.95	4.21	2.50	2.63	9.76	11.22	0.00	0.00	0.00	0.00
16	150.72	2.04	17.09	4.56	1.04	0.83	4.16	5.38	0.79	0.14	2.72	4.08
16.1	100.38	75.94	19.52	18.27	3.63	1.99	14.27	11.28	4.91	1.62	9.04	12.75
16.2	116.30	8.73	13.49	16.09	1.53	0.37	16.56	4.62	2.02	2.10	6.15	6.90
16.3	178.88	5.57	14.62	12.18	0.96	0.36	10.65	7.77	0.97	0.41	9.71	7.22
16.4	220.94	6.08	12.21	8.37	5.31	0.74	14.77	14.65	1.89	1.29	5.09	5.20
16.5	135.11	2.55	7.73	5.59	2.19	0.71	8.15	5.43	0.39	0.00	3.00	0.00
16.6	124.49	0.00	7.77	0.00	1.45	0.41	8.02	4.68	0.00	0.00	0.00	0.00
16.7	87.84	1.07	6.99	3.53	2.36	0.00	8.39	0.00	1.07	1.94	10.54	7.89
16.8	120.42	32.26	13.76	10.59	2.78	0.34	8.07	3.94	1.98	0.88	9.87	10.40

16.9	132.32	27.44	11.71	11.98	1.53	1.03	11.65	9.35	0.47	0.00	3.30	0.00
17	149.58	20.93	10.75	11.30	0.48	0.00	2.84	0.00	0.49	0.01	2.59	3.88
17.1	175.01	0.66	14.16	5.48	0.82	1.32	6.56	9.98	0.57	0.08	2.66	3.98
17.2	103.85	12.17	9.38	17.17	2.49	0.41	6.85	6.88	1.04	0.73	10.74	10.78
17.3	239.11	45.62	17.23	12.96	5.38	4.73	13.33	12.46	4.24	0.86	12.53	5.28
17.4	249.81	97.84	15.78	13.49	0.13	0.35	3.91	5.86	0.00	0.00	0.00	0.00
17.5	239.99	81.16	17.84	14.11	1.50	1.15	25.23	26.86	0.00	0.93	0.00	8.89
17.6	65.49	4.04	4.41	10.92	0.85	0.00	3.82	0.00	0.41	0.00	1.71	0.00
17.7	59.50	5.48	9.69	9.88	2.03	0.00	11.07	0.00	0.00	0.00	0.00	0.00
17.8	37.54	6.33	9.01	7.13	0.00	0.00	0.00	0.00	0.42	0.00	4.17	0.00
17.9	57.83	0.54	10.30	13.50	0.81	0.00	4.55	0.00	0.38	0.00	3.62	0.00
18	13.10	0.03	12.06	4.22	1.55	0.00	6.54	0.00	0.85	0.00	6.01	0.00
18.1	27.55	0.42	3.47	3.67	1.38	0.00	12.06	0.00	0.33	0.00	4.58	0.00
18.2	12.71	0.00	9.04	0.00	4.67	0.00	9.07	0.00	1.00	0.00	8.71	0.00
18.3	90.27	10.32	8.94	15.82	9.16	0.40	9.40	8.74	2.18	0.39	9.37	5.04
18.4	110.26	4.14	8.61	11.70	1.35	0.37	9.39	10.40	1.97	2.85	21.98	5.63
18.5	80.36	3.13	5.12	13.08	3.42	0.00	14.62	0.00	2.01	0.47	8.06	4.89
18.6	68.23	7.13	9.22	7.23	2.85	0.00	4.94	0.00	0.49	0.00	4.11	0.00
18.7	96.88	0.00	11.25	0.00	1.13	0.00	6.57	0.00	0.37	0.00	3.97	0.00
18.8	70.97	16.07	10.40	13.79	2.08	0.00	13.03	0.00	0.53	0.00	2.69	0.00
18.9	53.91	19.66	12.43	10.46	4.04	0.00	3.49	0.00	1.82	0.00	2.47	0.00
19	122.61	0.00	9.85	0.00	7.56	0.00	15.16	0.00	0.58	0.37	5.58	3.16
19.1	48.66	33.43	8.00	8.35	4.61	0.00	15.24	0.00	3.01	0.00	11.37	0.00
19.2	215.03	132.55	17.14	14.17	8.34	3.44	15.48	14.52	3.32	4.23	11.11	10.41
19.3	247.87	84.72	17.66	11.31	4.20	4.60	9.47	13.40	3.70	4.66	12.06	10.53
19.4	368.93	58.72	18.17	15.33	2.20	0.36	5.31	3.50	0.09	0.94	2.12	4.02
19.5	349.36	89.55	15.36	13.33	3.32	0.36	9.15	4.49	2.28	0.31	8.98	10.04
19.6	336.25	108.94	18.52	12.92	4.64	2.86	12.78	12.06	3.84	2.77	6.12	5.16
19.7	302.48	23.25	17.04	11.46	0.13	0.73	2.04	8.77	2.62	0.00	12.67	0.00
19.8	322.33	62.91	18.43	13.89	2.70	0.32	9.12	5.45	1.46	0.00	8.37	0.00
19.9	235.19	67.18	16.92	14.75	5.38	1.48	11.44	6.59	7.96	0.29	9.85	4.32
20	258.03	58.42	17.62	16.83	4.25	1.95	13.93	10.25	6.70	0.94	17.07	12.21
20.1	187.58	85.15	16.51	15.77	4.80	0.78	12.40	4.87	0.61	0.00	5.88	0.00
20.2	129.67	148.66	13.95	18.12	2.98	1.16	10.68	5.32	0.57	0.90	5.66	5.91
20.3	200.89	82.95	16.25	13.42	3.14	0.35	8.20	15.39	3.49	1.25	9.39	4.56
20.4	266.39	77.83	17.27	12.80	2.66	0.00	7.76	0.00	1.43	0.00	6.74	0.00
20.5	218.46	94.61	16.81	18.92	0.83	0.00	3.42	0.00	0.39	0.00	4.79	0.00
20.6	234.81	30.85	12.36	9.89	5.62	1.08	8.29	18.02	3.98	0.00	7.74	0.00
20.7	283.17	30.99	17.46	12.87	6.95	5.18	19.71	20.30	1.03	0.39	11.82	5.09
20.8	149.24	83.50	16.37	14.63	4.25	1.61	15.89	8.02	20.62	3.37	10.58	4.31
20.9	277.36	57.11	16.50	12.74	7.29	1.93	16.59	7.09	21.52	0.45	8.46	4.73
21	217.87	47.89	18.01	13.46	2.59	0.00	7.29	0.00	4.97	1.74	10.76	6.16
21.1	267.42	85.24	17.92	14.11	0.40	1.95	14.86	14.77	1.02	1.14	7.73	3.32

21.2	257.70	74.92	17.48	12.99	3.35	3.59	15.96	14.26	0.86	0.00	8.36	0.00
21.3	224.09	77.10	19.11	17.42	5.28	7.84	15.12	15.06	2.76	2.35	16.64	12.92
21.4	274.05	36.93	18.64	14.91	1.96	2.06	7.66	14.14	1.39	1.87	20.61	14.45
21.5	314.26	50.25	15.23	14.90	9.67	8.25	17.65	16.31	3.96	3.88	16.99	16.47
21.6	103.12	21.09	9.50	8.68	5.81	2.70	12.34	13.23	0.13	0.39	2.59	3.89
21.7	10.97	35.43	9.67	8.42	0.49	0.00	7.70	0.00	0.64	0.00	13.13	0.00
21.8	19.26	1.51	12.05	6.26	0.58	0.36	9.33	9.10	0.56	0.00	0.99	0.00
21.9	124.03	2.44	10.88	10.99	1.54	0.36	8.38	5.60	0.44	0.00	4.24	0.00
22	36.34	1.04	10.63	3.62	1.79	0.00	11.43	0.00	1.05	0.00	8.86	0.00
22.1	0.00	18.11	0.00	4.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.2	3.88	45.18	9.14	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.3	2.50	49.69	6.84	6.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.4	28.20	22.29	5.35	7.70	0.00	0.00	0.00	0.00	0.39	0.00	11.26	0.00
22.5	36.44	30.07	11.71	6.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.6	1.54	29.03	2.88	5.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.7	19.65	14.40	6.42	5.92	0.00	0.00	0.00	0.00	0.47	0.00	6.65	0.00
22.8	26.49	8.80	8.70	5.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.9	40.08	26.06	5.17	7.97	0.00	0.00	0.00	0.00	0.08	0.45	2.31	3.47
23	36.86	11.32	9.01	14.08	3.28	1.47	15.23	5.91	0.38	0.46	15.25	5.24
23.1	17.33	46.43	12.60	5.53	0.51	1.37	5.80	8.70	0.00	0.00	0.00	0.00
23.2	187.68	62.59	13.96	15.09	5.62	3.67	9.72	10.35	0.42	0.00	9.10	0.00
23.3	222.35	51.16	14.57	11.63	14.11	14.15	16.33	15.33	1.70	1.87	6.52	5.13
23.4	143.09	50.88	15.27	15.67	15.20	15.16	17.35	16.77	1.92	1.11	17.82	13.97
23.5	75.15	68.63	14.58	14.74	3.29	4.22	20.87	19.19	1.87	1.02	5.01	23.20
23.6	77.35	72.75	16.34	16.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.7	138.39	56.16	10.72	12.28	1.69	0.00	4.55	0.00	0.12	1.33	2.88	4.32
23.8	140.68	2.89	10.28	10.70	1.75	0.37	10.50	4.49	0.00	0.00	0.00	0.00
23.9	173.86	1.63	12.57	17.89	5.19	5.06	14.85	14.48	1.52	0.00	6.47	0.00
24	199.22	33.95	11.55	17.73	2.05	1.21	15.79	11.61	1.84	1.69	14.14	9.17
24.1	94.32	64.54	11.15	10.23	2.88	1.92	7.88	5.26	0.00	0.00	0.00	0.00
24.2	161.87	31.44	13.47	15.68	4.01	1.47	14.39	13.65	1.67	0.39	10.53	9.30
24.3	102.63	38.37	10.71	15.45	3.98	2.16	7.87	6.52	0.53	0.00	4.52	0.00
24.4	203.03	49.23	13.12	6.66	7.37	4.38	14.30	12.92	7.84	0.00	5.97	0.00
24.5	159.94	112.04	14.29	17.30	9.55	6.58	16.30	14.85	3.75	3.79	8.20	11.65
24.6	143.31	52.33	13.76	14.32	5.91	5.94	15.35	13.53	1.69	4.02	8.44	12.36
24.7	217.67	41.77	15.31	16.05	13.67	8.51	17.64	15.32	1.37	1.62	16.30	12.33
24.8	120.65	71.06	13.72	17.04	13.68	16.41	16.39	15.99	2.71	2.40	10.99	7.31
24.9	128.90	33.63	13.52	12.64	3.17	5.92	12.27	11.70	1.19	0.00	1.83	0.00
25	98.95	54.37	12.59	13.53	5.78	4.61	13.07	11.55	1.59	0.00	2.80	0.00
25.1	116.27	52.11	13.35	13.78	7.46	3.69	12.01	13.13	2.11	0.00	6.86	0.00
25.2	103.00	53.46	9.68	8.73	3.26	1.93	12.40	12.17	1.70	0.93	10.62	15.93
25.3	113.91	53.27	10.61	13.81	3.42	4.56	13.23	14.22	1.25	0.50	4.51	7.07
25.4	48.10	35.27	13.47	10.50	4.44	2.17	10.19	6.61	0.57	0.00	2.81	0.00

25.5	52.32	16.98	9.75	14.24	8.12	4.29	14.02	14.45	2.88	1.27	9.97	11.89
25.6	101.29	0.91	7.59	4.70	3.03	3.77	11.79	12.15	1.34	1.12	6.58	2.08
25.7	97.28	22.51	24.92	16.79	3.26	3.30	16.50	17.65	3.69	1.56	9.69	5.19
25.8	164.56	35.68	10.25	14.86	4.11	3.90	10.98	10.79	1.95	0.00	5.88	0.00
25.9	92.01	7.71	7.48	12.20	0.00	0.00	0.00	0.00	1.63	1.59	8.99	13.49
26	137.14	126.25	15.57	17.19	22.44	25.49	16.13	15.09	7.09	10.43	15.16	13.92
26.1	185.85	34.32	13.95	30.41	14.93	9.47	20.73	19.68	7.09	4.17	16.10	21.68
26.2	101.87	65.79	12.19	18.93	15.76	11.76	16.22	15.43	3.25	4.14	16.79	15.79
26.3	172.58	19.35	14.19	15.00	24.11	20.44	14.80	14.54	3.72	1.69	11.19	13.15
26.4	157.01	11.25	11.62	18.11	18.27	16.20	16.52	15.77	1.57	1.62	12.21	12.93
26.5	54.01	0.01	10.05	6.42	1.56	0.51	13.06	7.55	1.41	0.00	11.20	0.00
26.6	118.95	3.38	9.63	10.83	1.47	0.37	5.96	3.53	0.34	0.44	5.00	4.80
26.7	67.68	1.93	12.67	10.02	1.94	0.80	9.05	20.40	15.23	8.72	19.94	21.63
26.8	71.96	9.31	14.92	15.76	2.36	1.83	23.79	21.27	1.60	0.07	10.29	3.57
26.9	133.11	22.63	12.08	13.64	4.38	3.35	11.90	13.17	0.46	1.54	7.15	10.73
27	177.25	3.93	12.75	13.97	0.42	1.52	6.77	10.15	1.25	2.57	2.58	3.56
27.1	202.06	6.81	13.53	15.13	4.39	1.14	12.14	5.44	0.96	0.26	5.10	4.09
27.2	225.31	6.41	15.83	14.84	0.89	1.15	7.47	11.67	0.48	0.44	2.63	3.16
27.3	159.06	0.52	12.16	3.22	5.07	1.41	15.35	9.71	1.56	0.36	3.75	3.29
27.4	159.15	47.06	14.22	16.54	0.57	0.37	4.20	5.31	0.42	0.01	7.21	10.81
27.5	175.11	4.40	15.76	14.36	1.21	1.60	8.99	7.83	0.53	0.00	6.77	0.00
27.6	97.30	52.42	14.04	9.37	1.15	0.79	16.82	8.85	1.58	0.00	11.72	0.00
27.7	170.78	1.29	14.28	15.55	3.06	1.63	15.71	15.72	1.40	0.07	9.15	14.89
27.8	255.34	7.56	17.51	22.43	2.38	0.76	11.09	8.29	4.40	0.48	12.55	9.68
27.9	141.28	32.17	13.70	6.98	0.65	0.73	17.96	14.53	0.78	0.55	3.40	9.77
28	242.68	11.46	14.28	12.70	0.66	0.79	7.67	11.55	4.42	0.84	17.65	4.57
28.1	244.75	4.31	14.94	15.31	2.85	0.77	17.99	10.57	2.66	1.16	10.66	8.25
28.2	252.61	16.39	16.75	16.36	4.45	1.14	15.85	11.16	8.86	0.66	10.00	6.02
28.3	274.54	3.27	16.13	15.45	3.95	0.67	9.46	4.92	3.28	0.15	10.87	5.34
28.4	236.99	16.66	14.20	15.94	2.55	1.57	8.08	5.70	7.29	0.17	13.06	10.27
28.5	132.89	42.58	13.73	15.69	2.19	1.50	10.68	11.51	7.82	0.00	10.95	0.00
28.6	146.46	30.96	14.30	9.91	4.72	1.85	15.49	14.67	12.32	0.21	9.49	12.62
28.7	123.32	46.24	14.21	15.61	1.23	1.58	7.30	11.53	0.95	1.33	6.55	8.28
28.8	83.66	54.38	12.23	14.13	3.33	1.50	7.59	11.92	0.49	2.58	6.86	9.28
28.9	145.64	47.90	14.24	13.73	2.03	3.02	13.01	12.05	0.14	2.92	2.16	12.73
29	258.39	6.43	16.03	13.66	0.74	1.49	7.97	7.91	0.53	0.39	16.78	6.60
29.1	135.81	8.79	11.84	12.43	10.07	8.18	18.00	17.18	2.44	0.23	15.64	10.05
29.2	113.67	11.05	10.70	8.00	2.85	1.58	4.83	10.51	0.10	0.30	4.64	6.96
29.3	77.67	13.19	10.56	4.82	4.35	3.40	14.26	14.51	2.00	2.40	10.00	12.83
29.4	186.02	30.14	9.89	15.17	0.42	0.00	3.12	0.00	1.67	0.38	4.91	10.03
29.5	114.56	0.00	11.68	0.00	1.58	0.36	7.22	8.49	0.00	0.00	0.00	0.00
29.6	66.91	51.79	10.26	12.29	0.61	0.36	6.03	9.04	0.93	0.00	2.68	0.00
29.7	55.44	86.63	10.42	11.61	0.00	0.00	0.00	0.00	0.49	0.00	4.48	0.00

29.8	153.43	6.42	9.39	5.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29.9	93.26	45.34	9.12	10.06	1.51	0.00	10.52	0.00	0.67	0.13	6.12	2.70
30	103.98	20.51	9.60	5.61	0.48	0.00	2.51	0.00	0.00	0.00	0.00	0.00
30.1	99.79	35.91	10.72	13.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.2	95.57	5.82	9.89	3.37	0.10	0.36	5.51	8.27	0.00	0.00	0.00	0.00
30.3	108.06	6.79	9.96	12.29	0.13	0.34	5.50	8.25	0.32	0.84	5.75	8.62
30.4	99.87	19.51	11.49	14.87	0.62	0.37	3.91	3.60	0.00	0.49	0.00	4.89
30.5	149.03	1.42	11.41	8.23	0.00	0.00	0.00	0.00	0.98	0.00	5.05	0.00
30.6	123.55	15.99	11.59	11.40	0.49	0.00	6.28	0.00	0.60	0.55	4.85	7.27
30.7	132.38	0.02	9.40	9.28	0.00	0.00	0.00	0.00	0.58	0.00	4.15	0.00
30.8	153.60	9.45	13.51	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.9	253.39	0.00	12.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	163.82	3.12	8.96	4.16	0.37	0.00	10.15	0.00	0.30	0.75	3.38	5.08
31.1	136.96	7.08	6.98	5.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.2	121.26	9.31	10.67	6.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.3	43.33	49.09	9.46	9.11	0.13	0.36	2.94	4.41	0.00	0.00	0.00	0.00
31.4	127.37	4.01	7.19	4.20	1.33	0.00	4.74	0.00	0.00	0.00	0.00	0.00
31.5	80.51	27.20	12.43	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.6	153.61	4.81	12.03	9.77	0.47	0.00	4.61	0.00	0.48	0.90	3.60	3.38
31.7	145.73	5.08	10.32	9.89	0.36	0.00	7.94	0.00	1.44	0.00	3.41	0.00
31.8	129.17	55.22	11.87	6.62	3.17	0.31	5.78	5.33	0.40	0.00	5.07	0.00
31.9	121.61	17.51	8.21	7.25	0.00	0.00	0.00	0.00	0.37	0.00	5.63	0.00
32	126.26	12.97	12.54	9.86	0.20	0.74	6.23	9.34	0.34	0.00	5.50	0.00
32.1	37.39	81.30	8.16	8.16	0.00	0.00	0.00	0.00	0.52	0.00	4.40	0.00
32.2	89.84	3.60	7.46	9.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.3	177.27	16.79	14.98	12.99	0.88	0.00	6.17	0.00	0.00	0.00	0.00	0.00
32.4	182.98	24.36	12.77	10.42	0.00	0.00	0.00	0.00	0.44	0.45	7.01	8.59
32.5	233.39	14.27	15.35	6.74	0.00	0.00	0.00	0.00	0.14	0.40	2.93	4.39
32.6	248.02	11.03	11.24	6.31	0.77	0.00	4.11	0.00	0.51	0.00	4.44	0.00
32.7	208.46	17.53	13.37	5.40	0.20	0.77	7.38	5.54	0.90	0.00	2.84	0.00
32.8	95.44	13.19	6.88	16.88	1.99	0.72	3.85	5.44	0.00	0.00	0.00	0.00
32.9	145.89	0.15	12.15	13.31	0.13	0.36	2.59	3.88	1.16	0.28	3.22	4.82
33	172.97	45.96	11.68	14.42	0.44	0.00	3.39	0.00	0.00	0.00	0.00	0.00
33.1	87.30	38.10	6.40	10.28	0.48	0.00	11.32	0.00	0.27	1.16	3.03	4.55
33.2	56.61	8.36	10.89	5.70	1.43	0.00	5.47	0.00	1.72	0.00	12.05	0.00
33.3	142.96	0.67	11.45	13.60	0.76	0.73	7.02	4.07	1.01	0.00	4.31	0.00
33.4	134.98	40.91	13.23	9.81	2.07	0.00	4.37	0.00	0.51	0.00	3.70	0.00
33.5	49.08	15.16	13.43	7.74	9.80	9.12	12.92	9.82	0.00	0.00	0.00	0.00
33.6	0.00	0.00	0.00	0.00	9.41	16.54	11.46	11.95	0.00	0.00	0.00	0.00
33.7	159.07	10.09	10.57	17.01	2.97	3.48	11.58	11.46	0.33	0.60	5.48	8.23
33.8	130.94	13.92	10.07	10.01	0.13	0.36	5.52	8.28	0.41	0.00	7.57	0.00
33.9	155.21	40.98	11.28	12.73	0.17	0.78	9.67	7.26	0.42	0.00	6.35	0.00
34	159.34	27.37	10.84	15.73	0.00	0.00	0.00	0.00	0.71	1.56	5.59	7.73

34.1	153.96	4.35	8.63	8.60	0.93	0.00	6.23	0.00	0.43	0.00	3.58	0.00
34.2	121.33	29.68	12.95	9.53	0.47	0.00	5.43	0.00	0.00	0.00	0.00	0.00
34.3	129.82	9.10	12.91	16.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.4	79.94	67.36	10.70	11.01	0.48	0.00	2.52	0.00	0.00	0.00	0.00	0.00
34.5	142.90	1.57	11.31	9.03	0.13	0.36	2.17	3.25	0.00	0.00	0.00	0.00
34.6	133.97	14.70	7.40	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34.7	102.83	0.25	7.44	4.33	0.00	0.00	0.00	0.00	0.42	0.00	4.04	0.00
34.8	120.25	1.03	10.05	5.87	0.00	0.00	0.00	0.00	0.14	0.37	2.89	4.34
34.9	52.99	1.01	8.19	6.15	0.00	0.00	0.00	0.00	0.37	0.22	4.98	7.47
35	61.53	60.22	11.56	10.06	0.44	0.00	5.73	0.00	0.00	0.00	0.00	0.00
35.1	165.22	1.87	13.36	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.2	80.36	34.26	12.71	9.09	0.00	0.00	0.00	0.00	0.54	0.00	3.28	0.00
35.3	132.96	0.00	11.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.4	132.70	0.06	7.29	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.5	123.64	2.61	10.98	8.48	0.00	0.00	0.00	0.00	0.08	0.33	2.20	3.30
35.6	95.14	3.02	10.23	5.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.7	58.77	3.71	10.62	5.98	0.00	0.00	0.00	0.00	0.49	0.00	8.04	0.00
35.8	100.62	9.41	10.89	5.67	0.00	0.00	0.00	0.00	1.45	0.00	2.85	0.00
35.9	134.11	55.77	9.88	11.49	2.49	2.30	14.41	14.59	0.00	0.00	0.00	0.00
36	295.55	53.33	11.26	12.81	0.00	0.00	0.00	0.00	0.56	0.00	6.13	0.00
36.1	288.30	58.08	11.59	10.75	0.54	0.37	10.90	10.79	0.00	0.00	0.00	0.00
36.2	258.46	59.21	12.04	7.47	0.00	0.00	0.00	0.00	0.45	0.12	4.46	6.70
36.3	281.35	2.04	11.15	13.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.4	185.02	43.23	10.74	9.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.5	170.72	117.83	11.83	12.96	0.50	0.00	3.11	0.00	0.00	0.00	0.00	0.00
36.6	234.53	44.38	11.24	5.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.7	278.16	26.09	13.71	11.16	0.20	0.77	6.36	4.77	0.00	0.96	0.00	5.24
36.8	163.34	44.68	12.75	16.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.9	236.42	25.46	10.83	11.44	0.00	0.00	0.00	0.00	0.00	0.48	0.00	6.42
37	269.44	13.13	9.54	9.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.1	285.59	17.79	9.85	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.2	222.23	3.82	13.83	17.83	0.20	0.67	10.30	7.73	0.00	0.00	0.00	0.00
37.3	188.14	9.03	8.89	5.71	0.00	0.00	0.00	0.00	1.08	1.43	9.49	3.36
37.4	250.56	3.29	9.80	12.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	258.95	1.01	12.72	11.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.6	228.62	0.20	12.86	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.7	278.72	3.66	11.98	10.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.8	285.20	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.9	213.50	19.42	12.87	9.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	233.59	10.62	11.10	8.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.1	110.99	63.91	11.62	9.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.2	232.53	3.20	12.60	10.25	0.32	0.00	3.41	0.00	0.00	0.00	0.00	0.00
38.3	210.01	24.39	12.26	10.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

38.4	286.04	1.37	11.45	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.5	190.24	3.58	12.26	11.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.6	276.79	7.92	13.89	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.7	261.43	17.22	11.64	9.30	0.07	0.41	6.40	9.61	0.00	0.51	0.00	4.91
38.8	266.92	19.59	8.56	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38.9	285.71	0.00	8.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	257.87	3.15	8.83	10.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.1	172.78	36.42	12.57	14.21	1.29	1.13	13.11	13.66	0.00	0.32	0.00	6.11
39.2	160.84	37.34	10.32	10.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.3	278.69	2.89	11.06	7.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.4	304.62	6.65	12.92	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.5	93.21	87.84	9.91	13.74	1.11	0.70	6.23	8.40	0.00	0.00	0.00	0.00
39.6	241.94	21.86	12.80	12.74	0.00	0.00	0.00	0.00	0.52	0.00	3.92	0.00
39.7	277.52	4.46	11.62	4.54	2.80	1.54	5.69	2.30	0.00	0.00	0.00	0.00
39.8	202.63	0.52	14.09	5.41	0.00	0.00	0.00	0.00	0.00	0.52	0.00	2.83
39.9	181.42	0.45	7.90	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	136.88	0.00	8.93	0.00	2.03	0.80	12.54	19.22	1.14	0.00	3.23	0.00
40.1	79.95	8.26	8.48	9.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.2	45.86	4.61	9.87	10.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.3	45.17	4.32	13.80	8.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.4	81.63	0.00	10.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.5	140.43	0.00	11.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.6	115.53	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.7	89.63	2.29	7.85	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.8	113.85	41.63	10.74	16.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.9	112.96	64.89	11.01	10.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	30.23	110.30	9.34	8.29	1.15	0.78	4.07	12.22	0.00	0.00	0.00	0.00
41.1	131.14	17.29	8.78	8.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.2	155.48	0.00	20.94	0.00	0.00	0.00	0.00	0.00	0.54	0.00	2.02	0.00
41.3	185.25	0.00	10.46	0.00	0.24	1.18	13.69	12.92	0.00	0.00	0.00	0.00
41.4	165.93	0.00	11.25	0.00	0.00	0.00	0.00	0.00	0.56	0.00	5.55	0.00
41.5	195.07	0.00	11.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.6	184.23	0.00	12.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.7	170.69	0.00	9.19	0.00	2.33	1.94	18.03	18.91	0.00	0.00	0.00	0.00
41.8	139.18	0.28	8.58	6.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.9	122.57	0.00	7.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	163.02	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.1	173.27	0.00	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.2	147.67	0.00	10.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.3	151.88	0.00	7.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.4	131.19	0.00	7.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	125.76	0.00	7.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.6	137.36	0.00	7.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

42.7	143.13	0.00	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.8	171.98	0.00	7.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.9	169.09	0.00	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	143.33	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.1	131.52	0.00	7.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.2	194.30	0.00	7.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.3	133.41	6.46	7.80	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.4	114.53	0.00	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.5	203.67	0.05	10.94	5.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.6	156.42	0.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.7	153.03	0.00	10.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43.8	84.38	0.00	8.27	0.00	0.00	0.00	0.00	0.00	1.62	0.00	3.30	0.00
43.9	162.14	0.00	9.75	0.00	1.04	0.41	20.62	14.74	2.15	0.00	4.11	0.00
44	137.24	0.15	9.90	9.37	0.00	0.00	0.00	0.00	1.11	0.00	5.26	0.00
44.1	28.97	0.23	5.62	7.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.2	75.94	0.07	10.29	11.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.3	64.69	0.00	10.29	0.00	0.00	0.00	0.00	0.00	1.59	0.00	4.74	0.00
44.4	81.10	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.5	24.54	1.46	7.73	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.6	50.34	23.74	6.70	5.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.7	7.01	87.57	5.52	10.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.8	31.48	37.92	7.76	14.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.9	31.50	19.13	12.34	11.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	72.03	42.57	8.67	9.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.1	36.31	26.96	6.00	7.73	0.00	0.00	0.00	0.00	0.51	0.07	1.81	2.72
45.2	77.25	33.21	13.05	13.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.3	146.21	88.91	9.64	8.72	0.00	0.00	0.00	0.00	0.55	0.00	3.72	0.00
45.4	128.47	32.48	9.76	7.44	6.65	0.00	5.55	0.00	2.48	0.74	10.06	8.68
45.5	7.24	1.25	13.49	12.22	37.62	0.00	5.12	0.00	20.41	0.00	7.78	0.00
45.6	7.55	1.54	6.86	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.8	10.37	0.00	8.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.9	1.98	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	11.54	0.00	8.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.1	6.55	0.00	5.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.2	2.01	0.00	5.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.3	1.88	0.00	2.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.5	5.01	0.00	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.6	3.44	0.00	2.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46.7	1.02	0.00	3.35	0.00	3.62	3.07	11.61	11.61	0.13	0.23	4.11	6.17
46.8	5.99	0.00	2.73	0.00	4.21	4.49	9.60	10.58	0.06	0.48	1.59	2.38
46.9	51.93	25.12	14.55	16.76	2.86	2.01	17.63	12.76	0.74	0.79	12.30	12.84

47	175.31	52.10	14.92	14.87	32.07	31.54	19.60	19.45	6.98	3.93	12.22	10.51
47.1	158.23	94.08	17.46	16.20	56.62	43.53	12.07	18.39	16.39	7.28	13.94	20.99
47.2	158.16	62.12	16.11	16.10	34.78	33.27	16.64	17.13	6.60	2.75	17.25	21.32
47.3	151.96	56.70	14.53	15.41	31.03	29.91	16.73	15.57	4.67	6.19	18.10	16.55
47.4	134.03	50.19	16.07	15.71	30.59	20.71	14.75	15.30	4.83	5.51	14.54	13.36
47.5	51.30	38.99	14.56	15.26	15.36	11.46	17.37	17.14	1.59	1.24	12.38	16.49
47.6	3.56	0.00	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.9	27.49	17.91	20.76	17.34	7.21	7.35	18.12	15.57	1.18	2.49	22.64	17.38
48	186.36	59.44	16.78	16.25	27.22	15.67	14.19	16.59	14.17	10.44	17.50	16.56
48.1	61.14	37.35	15.54	17.27	7.30	9.19	17.07	17.11	4.23	5.19	18.65	17.82
48.2	8.98	0.00	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.3	73.89	0.00	4.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.4	15.86	0.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.5	0.70	0.35	3.52	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.6	3.95	0.00	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48.7	61.34	42.79	15.07	16.58	23.88	17.57	16.28	16.72	8.51	3.43	16.22	20.01
48.8	88.12	148.73	16.45	16.50	38.48	27.25	14.80	14.29	9.61	7.39	16.22	18.18
48.9	154.12	100.73	15.26	16.20	35.94	26.82	15.00	15.11	6.70	9.02	15.10	15.56
49	128.54	60.23	17.31	17.71	29.50	24.41	18.03	18.32	10.22	14.15	17.12	18.51
49.1	3.06	0.00	3.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.3	2.48	0.00	1.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.4	3.01	0.00	6.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.7	1.95	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49.9	2.94	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.2	21.78	0.00	6.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.3	3.87	0.00	5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.4	148.57	68.32	16.14	15.76	0.99	0.38	8.55	6.59	0.00	0.50	0.00	3.14
50.5	231.89	13.99	13.62	13.03	0.49	0.00	6.60	0.00	0.51	0.00	2.86	0.00
50.6	195.67	42.45	13.16	12.83	0.63	0.33	2.87	4.26	1.59	1.30	7.12	8.13
50.7	247.01	23.44	13.84	13.94	1.02	1.45	3.75	6.25	0.28	1.14	12.92	19.37
50.8	209.69	66.01	14.72	14.28	0.36	0.41	6.84	4.89	1.21	1.69	10.96	9.59
50.9	223.85	83.72	14.50	14.09	0.64	0.78	11.59	18.57	0.80	0.91	4.64	12.56
51	196.06	71.69	15.04	16.77	1.42	0.00	20.36	0.00	1.02	0.00	6.08	0.00
51.1	129.67	11.20	13.24	14.97	0.08	0.41	6.88	10.33	0.52	0.01	2.84	4.25
51.2	157.08	43.02	11.34	13.89	1.57	0.41	13.00	4.37	0.00	0.00	0.00	0.00

51.3	116.96	91.68	12.81	14.82	0.77	0.00	3.05	0.00	1.48	0.00	7.60	0.00
51.4	155.20	60.69	13.84	13.48	0.43	0.00	3.99	0.00	1.66	0.00	6.37	0.00
51.5	216.28	17.09	13.39	11.56	0.20	0.78	5.57	4.17	1.00	0.00	2.26	0.00
51.6	173.25	5.35	14.32	15.39	0.42	0.00	4.38	0.00	0.00	0.00	0.00	0.00
51.7	203.49	13.87	11.69	9.74	0.00	0.00	0.00	0.00	0.54	0.00	7.10	0.00
51.8	222.26	3.04	13.58	5.87	0.00	0.00	0.00	0.00	0.16	1.42	3.78	5.67
51.9	138.67	62.44	12.19	14.19	0.40	0.00	6.72	0.00	1.07	0.00	1.86	0.00
52	175.05	30.17	15.09	17.33	3.15	0.00	8.77	0.00	0.00	0.00	0.00	0.00
52.1	247.12	24.50	13.86	13.78	0.83	0.00	3.84	0.00	0.00	0.00	0.00	0.00
52.2	144.55	9.42	14.73	14.38	0.48	0.41	4.15	6.22	10.25	10.96	11.84	13.57
52.3	40.01	24.97	15.50	13.40	1.13	1.17	4.02	1.96	12.39	16.07	13.77	13.52
52.4	249.10	10.72	17.94	8.29	0.48	0.00	4.13	0.00	0.54	1.66	3.33	12.74
52.5	220.39	2.19	14.97	12.80	0.41	0.00	11.27	0.00	0.00	0.00	0.00	0.00
52.6	129.94	3.05	16.36	16.25	0.40	0.00	1.81	0.00	1.68	0.00	5.87	0.00
52.7	150.39	13.85	17.10	16.33	0.00	0.00	0.00	0.00	1.13	1.09	12.42	13.08
52.8	302.91	14.81	17.83	13.19	1.09	0.37	4.97	4.38	0.00	0.00	0.00	0.00
52.9	222.50	18.89	13.93	15.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	65.11	4.28	15.24	16.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.2	90.12	0.57	11.38	3.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.3	292.37	4.24	17.41	14.23	0.00	0.00	0.00	0.00	0.50	0.00	2.60	0.00
53.4	291.47	7.51	17.15	13.82	0.00	0.00	0.00	0.00	0.50	0.00	3.80	0.00
53.5	234.29	15.31	15.26	11.68	0.00	0.00	0.00	0.00	0.53	0.00	2.30	0.00
53.6	227.20	14.77	16.62	12.26	0.46	0.00	3.03	0.00	0.00	0.00	0.00	0.00
53.7	281.01	1.24	16.03	4.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53.8	207.30	44.47	14.61	13.93	3.07	3.00	16.40	14.17	0.00	0.00	0.00	0.00
53.9	134.49	170.25	15.66	17.12	0.59	0.34	4.05	4.80	0.62	2.23	7.30	5.18
54	104.55	79.93	15.74	12.46	0.25	0.66	3.76	5.63	1.25	1.61	10.34	4.48
54.1	99.14	71.17	14.07	15.59	0.88	0.00	3.02	0.00	1.38	0.77	5.72	4.16
54.2	191.66	36.21	13.80	16.16	14.35	10.99	14.21	13.38	0.52	0.00	4.44	0.00
54.3	179.86	4.52	12.61	12.19	19.64	25.03	16.71	16.30	1.78	2.23	16.64	16.14
54.4	98.25	16.56	13.92	15.65	28.25	26.38	16.26	15.64	1.95	4.29	17.86	7.09
54.5	116.24	13.81	14.44	12.95	23.85	24.22	14.13	13.78	2.83	3.87	11.16	12.26
54.6	168.64	19.31	15.83	16.44	26.72	25.33	16.49	16.30	1.21	0.46	14.92	6.64
54.7	173.33	59.72	16.57	17.22	36.20	25.18	17.47	17.03	5.35	4.12	18.03	16.31
54.8	170.50	21.54	15.98	19.62	30.29	26.42	13.70	13.95	4.89	1.31	10.10	9.71
54.9	93.18	23.22	17.20	16.08	29.75	23.65	12.74	12.50	5.16	1.60	15.42	18.06
55	155.39	39.44	18.71	20.02	7.13	10.16	14.43	14.40	2.48	0.57	14.24	7.32
55.1	91.72	80.69	12.37	14.73	7.57	10.29	18.18	18.33	0.81	0.85	9.93	5.13
55.2	130.16	28.39	17.37	14.06	15.44	13.25	16.56	16.53	3.84	1.94	14.35	14.62
55.3	117.07	26.08	15.12	14.62	9.84	11.34	14.50	14.94	1.01	0.38	4.39	6.74
55.4	161.56	33.29	16.85	17.33	23.13	28.01	16.77	16.77	4.42	1.67	16.33	15.42
55.5	134.19	100.26	15.22	14.77	19.65	15.01	15.45	15.63	5.18	3.72	15.39	13.17

55.6	132.54	32.65	14.83	14.17	37.26	29.76	16.00	15.85	9.95	4.39	13.42	12.94
55.7	161.90	23.57	15.82	14.74	26.84	19.99	16.30	16.54	5.27	0.39	18.74	10.18
55.8	128.64	14.60	14.45	12.99	28.30	23.49	14.68	14.05	5.14	2.87	11.68	12.72
55.9	224.20	6.55	15.53	7.18	16.77	13.46	16.71	15.64	2.02	0.40	13.14	7.60
56	165.34	32.35	14.35	15.73	0.78	1.13	6.44	5.31	0.99	0.06	8.14	10.87
56.1	155.85	26.69	16.03	13.72	0.00	0.00	0.00	0.00	0.45	0.00	5.09	0.00
56.2	83.02	77.36	14.51	14.36	0.86	1.51	12.53	14.01	0.14	0.80	6.03	15.68
56.3	200.00	37.03	10.44	18.04	0.97	0.28	8.65	4.81	1.15	0.01	4.83	7.25
56.4	241.10	0.00	13.37	0.00	0.74	1.14	8.35	5.51	0.00	0.00	0.00	0.00
56.5	177.24	1.03	8.72	4.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.6	211.49	6.16	9.91	4.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.7	159.80	0.00	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56.8	131.17	15.45	9.30	9.35	3.00	2.31	16.26	16.41	0.52	0.00	1.28	0.00
56.9	56.99	31.08	6.41	10.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	145.05	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.1	152.89	2.60	9.80	9.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.2	138.70	34.16	9.75	9.70	0.00	0.00	0.00	0.00	0.59	0.00	2.28	0.00
57.3	73.93	84.29	10.11	15.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.4	161.84	25.34	14.83	16.68	10.53	5.79	10.85	8.75	2.16	0.37	8.82	8.59
57.5	205.21	18.36	13.45	13.96	10.40	10.36	10.52	14.92	1.19	0.40	10.70	5.31
57.6	98.08	82.35	13.54	18.13	11.45	3.87	17.65	17.92	3.77	1.56	12.42	12.77
57.7	117.25	45.65	14.13	12.21	8.12	3.78	20.60	18.58	3.27	1.33	17.12	17.66
57.8	152.15	85.77	16.45	14.47	10.50	7.18	13.99	14.45	3.85	3.51	16.64	17.72
57.9	152.32	40.89	15.41	12.29	15.42	9.52	10.65	15.03	3.62	0.66	9.39	4.75
58	71.65	113.24	11.09	11.96	9.88	4.32	11.30	12.71	4.39	0.40	11.85	5.51
58.1	115.25	7.30	12.13	11.58	2.56	2.64	15.05	12.97	0.00	0.00	0.00	0.00
58.2	73.78	24.09	12.35	14.02	4.40	2.20	10.36	7.63	2.06	0.00	7.90	0.00
58.3	40.17	63.12	13.38	17.70	5.19	0.36	12.03	5.94	3.34	1.95	16.45	15.89
58.4	139.96	14.72	14.08	14.09	7.36	6.72	14.51	14.31	3.21	0.44	20.10	8.83
58.5	91.30	3.91	12.02	9.74	4.05	5.48	16.51	15.64	2.08	0.35	12.38	7.46
58.6	45.25	1.25	11.47	9.00	2.71	3.31	11.37	19.75	0.58	0.00	3.56	0.00
58.7	88.31	78.33	14.80	15.10	15.37	8.04	15.15	15.72	2.21	0.95	17.88	24.21
58.8	86.95	22.96	14.61	12.44	11.34	5.60	15.64	15.69	2.07	0.61	13.40	7.49
58.9	123.88	4.47	13.13	10.05	4.14	4.16	14.01	13.38	2.25	0.02	8.29	4.48
59	115.01	31.47	14.26	17.18	18.17	5.01	13.15	13.71	3.19	0.52	12.39	7.46
59.1	126.88	81.47	14.01	14.53	9.65	3.72	16.31	13.87	0.69	0.29	5.99	5.52
59.2	188.69	27.51	15.16	11.80	10.42	3.28	15.22	15.12	4.34	1.05	16.97	8.44
59.3	113.50	66.47	14.64	13.77	10.43	5.87	14.70	13.54	3.69	0.36	9.65	4.83
59.4	236.78	34.46	16.83	15.03	21.54	22.75	16.12	15.98	8.84	4.46	15.46	16.96
59.5	143.49	100.55	14.76	16.08	12.72	8.51	17.02	17.92	3.25	0.79	16.47	21.71
59.6	129.29	42.12	12.57	10.13	1.54	6.50	15.31	15.13	1.36	1.19	11.75	12.85
59.7	118.08	86.50	17.09	17.50	18.29	15.33	16.78	15.91	2.11	4.01	18.63	29.59
59.8	141.10	69.42	15.26	17.54	7.05	7.01	17.57	16.01	1.72	1.94	18.37	8.62

59.9	189.74	50.84	15.63	13.95	6.26	11.96	18.31	17.71	0.62	0.87	4.12	7.73
60	206.00	69.25	13.53	14.94	17.01	24.56	17.63	16.49	7.53	3.77	16.59	7.96
60.1	173.12	51.98	13.23	14.68	20.54	23.01	17.05	15.54	1.94	0.94	8.68	12.76
60.2	97.41	91.52	13.84	15.09	21.88	18.49	17.93	17.52	4.10	5.61	14.53	14.75
60.3	237.73	3.21	13.69	14.13	4.00	5.36	14.64	13.94	0.00	0.00	0.00	0.00
60.4	135.16	54.08	7.74	11.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.5	131.45	80.04	10.35	14.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.6	160.43	47.70	9.20	10.03	0.00	0.00	0.00	0.00	0.00	1.11	0.00	6.90
60.7	115.46	88.66	13.09	13.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.8	119.29	83.03	10.51	10.01	0.00	0.00	0.00	0.00	0.45	0.00	4.35	0.00
60.9	168.17	27.44	8.20	13.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	188.33	16.63	8.92	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.1	204.78	6.44	11.32	12.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.2	155.32	52.68	13.69	17.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.3	115.02	73.02	8.58	14.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.4	159.29	22.17	10.25	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61.5	195.17	26.27	12.64	13.47	0.00	0.00	0.00	0.00	0.39	0.00	6.63	0.00
61.6	246.85	29.26	15.55	17.49	2.80	1.54	13.55	15.31	0.85	0.00	11.08	0.00
61.7	274.08	133.35	14.73	16.27	0.13	0.24	7.32	10.97	2.58	1.60	7.23	11.32
61.8	207.93	69.27	14.84	15.51	13.55	8.92	11.17	10.58	1.69	0.10	12.61	11.66
61.9	178.81	158.43	14.06	16.05	6.74	4.49	13.07	13.14	2.94	0.11	17.06	5.09
62	167.68	126.24	13.32	16.63	2.34	0.37	4.10	6.61	3.70	0.92	15.58	9.90
62.1	175.14	43.64	15.91	13.82	26.59	22.16	15.81	17.03	4.88	1.49	17.30	12.72
62.2	113.81	114.26	15.88	14.72	48.05	32.93	15.95	16.19	7.73	5.67	8.64	26.29
62.3	105.59	56.70	15.80	13.96	30.84	26.65	16.93	16.49	7.96	4.38	12.90	12.15
62.4	157.12	63.92	14.65	14.11	0.00	0.00	0.00	0.00	1.34	1.19	12.90	6.00
62.5	191.78	64.96	13.75	13.98	0.40	0.00	9.94	0.00	1.30	0.19	7.69	6.36
62.6	1.78	0.21	8.84	12.00	17.22	10.25	10.33	11.58	0.37	0.00	4.92	0.00
62.7	233.59	80.14	14.13	12.90	1.10	0.36	3.85	6.59	1.80	0.21	9.09	7.56
62.8	141.26	40.29	14.52	15.48	8.76	5.58	10.86	20.04	1.53	0.08	9.10	6.51
62.9	138.74	17.63	14.41	13.34	27.51	18.75	16.87	16.35	3.75	0.42	11.68	9.12
63	162.25	28.99	11.48	6.28	18.23	18.58	21.20	20.56	1.94	0.14	12.23	12.41
63.1	163.86	6.37	16.86	11.72	22.71	24.79	16.74	15.80	2.96	0.84	12.76	15.46
63.2	125.86	7.33	11.77	21.69	19.64	13.50	15.79	16.05	2.91	1.28	14.35	11.65
63.3	177.80	14.35	15.65	16.34	24.79	14.20	16.35	15.31	2.58	0.56	16.52	16.21
63.4	128.55	11.37	16.54	6.61	23.06	12.46	14.85	14.89	6.07	0.72	10.87	10.06
63.5	95.89	43.56	14.29	8.06	13.30	5.37	14.04	10.60	2.41	0.00	12.86	0.00
63.6	160.27	37.62	10.15	12.09	24.70	12.52	13.60	13.57	3.05	0.78	15.21	12.92
63.7	160.59	8.74	16.37	13.46	26.02	20.93	16.54	17.26	3.39	0.78	17.14	7.04
63.8	99.32	28.07	16.77	8.84	27.20	22.23	15.22	14.95	2.20	0.77	20.66	12.25
63.9	143.40	22.50	9.79	7.17	11.92	6.21	15.28	15.43	0.99	0.00	11.42	0.00
64	114.18	54.29	10.60	13.07	12.56	7.00	15.10	15.31	1.61	0.40	9.11	15.73
64.1	184.74	9.23	14.70	11.13	20.57	18.43	15.46	17.08	3.77	1.47	14.30	7.15

64.2	123.46	40.64	16.42	15.19	14.19	8.82	9.98	10.96	0.88	0.00	5.71	0.00
64.3	147.11	13.23	12.24	19.81	0.44	0.00	5.59	0.00	0.33	0.50	6.71	4.08
64.4	105.19	51.62	12.29	15.02	6.72	2.26	14.01	13.71	2.09	0.77	2.96	7.00
64.5	121.40	13.76	9.92	7.97	0.67	0.72	7.44	5.46	0.43	0.00	4.36	0.00
64.6	116.62	12.15	16.81	5.79	6.96	5.48	12.72	15.28	8.61	0.00	16.89	0.00
64.7	51.67	27.90	11.72	12.16	19.90	0.00	2.60	0.00	14.52	0.00	8.00	0.00
64.8	25.45	6.39	9.96	8.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64.9	142.11	3.63	7.65	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	135.79	0.07	8.10	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.1	125.94	16.85	6.79	11.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.2	45.68	68.52	4.49	6.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.3	117.46	0.52	8.25	11.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.4	81.46	13.61	8.40	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.5	58.19	74.32	8.75	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.6	42.80	90.50	10.60	14.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.7	222.99	32.19	15.31	15.20	19.36	12.78	15.21	14.34	5.69	4.16	10.13	14.25
65.8	157.68	17.56	17.70	17.00	38.14	17.17	16.60	16.13	3.37	0.00	20.64	0.00
65.9	30.19	0.00	6.79	0.00	1.33	1.49	9.87	9.29	0.52	0.51	3.23	4.39
66	45.55	2.43	9.05	6.72	3.26	2.24	9.71	9.86	1.10	0.52	18.92	24.71
66.1	39.92	0.18	7.10	3.36	3.31	2.89	7.17	12.23	1.62	0.41	7.36	11.28
66.2	116.18	2.02	13.86	13.38	0.52	1.44	4.77	7.15	0.14	0.39	3.85	5.78
66.3	45.98	0.54	11.48	3.45	10.86	7.03	10.25	8.43	3.74	0.87	15.99	7.56
66.4	77.15	29.73	15.21	7.90	10.26	8.31	12.40	9.70	1.59	0.00	9.39	0.00
66.5	102.16	12.84	8.89	14.54	8.81	7.13	16.24	8.71	1.20	0.41	8.43	4.65
66.6	76.39	14.94	11.80	14.59	10.10	3.81	16.78	14.98	1.11	0.93	5.70	5.47
66.7	12.96	8.16	6.10	6.29	0.34	0.00	3.44	0.00	0.85	0.00	4.52	0.00
66.8	28.72	0.14	6.75	6.51	0.00	0.00	0.00	0.00	1.58	0.00	3.43	0.00
66.9	56.12	8.58	11.39	5.81	0.21	0.73	13.66	20.49	0.00	0.00	0.00	0.00
67	6.57	2.41	8.24	5.75	0.53	0.41	4.27	4.37	0.50	0.00	2.42	0.00
67.1	13.35	5.83	5.80	6.36	1.16	1.60	12.71	9.82	0.48	0.00	3.31	0.00
67.2	32.89	1.56	6.44	5.38	1.53	1.24	3.66	4.72	0.00	0.00	0.00	0.00
67.3	26.83	23.37	8.77	7.41	1.30	0.41	11.39	13.21	0.00	0.00	0.00	0.00
67.4	32.04	2.68	7.57	5.78	0.35	0.00	2.74	0.00	0.48	0.00	4.22	0.00
67.5	74.79	0.51	6.78	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.6	50.58	2.46	5.88	5.67	0.08	0.41	2.16	3.24	0.48	0.09	5.50	8.26
67.7	113.50	7.07	15.29	19.57	12.81	9.10	15.02	14.96	4.14	2.33	10.25	12.70
67.8	180.43	17.37	14.32	15.94	23.95	14.00	13.77	14.03	3.20	2.60	8.04	5.04
67.9	84.28	17.89	14.88	7.14	6.40	4.25	12.84	15.35	3.09	0.44	12.78	5.04
68	118.01	0.06	10.96	5.81	5.20	0.38	11.87	5.38	1.98	0.39	7.60	7.93
68.1	115.84	31.24	10.19	14.81	6.92	2.25	12.20	12.85	2.44	2.18	15.98	6.75
68.2	68.68	1.14	12.67	8.42	15.30	9.48	11.78	12.17	1.21	1.25	15.95	6.39
68.3	92.34	17.46	15.54	8.67	4.00	0.98	11.83	4.90	2.00	1.03	9.83	5.61
68.4	160.89	5.42	15.88	13.18	8.81	2.90	13.56	11.83	3.61	1.67	8.90	10.65

68.5	120.63	0.00	21.62	0.00	10.86	1.13	15.28	18.29	3.28	1.05	18.23	5.33
68.6	172.95	0.52	16.75	6.11	2.49	0.72	6.54	4.76	0.45	0.42	7.14	4.01
68.7	120.32	4.04	16.29	17.36	10.00	1.08	15.62	10.55	15.99	10.40	17.54	18.43
68.8	82.76	2.09	16.87	7.95	7.12	0.78	18.81	7.97	4.99	1.28	12.69	5.40
68.9	97.14	14.58	10.94	7.05	2.40	0.42	8.61	5.15	0.52	0.00	5.48	0.00
69	20.93	0.05	12.26	5.64	3.71	2.52	14.31	14.35	0.00	0.00	0.00	0.00
69.1	8.66	4.66	6.72	5.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.2	22.05	0.49	8.38	5.14	1.01	0.42	8.11	6.61	0.00	0.00	0.00	0.00
69.3	103.12	0.48	9.42	6.77	1.73	0.00	13.35	0.00	0.54	0.30	5.67	3.78
69.4	18.82	16.39	7.00	5.97	0.37	0.00	7.48	0.00	0.00	0.00	0.00	0.00
69.5	1.46	6.01	4.13	11.17	0.45	0.00	2.23	0.00	0.51	0.00	2.85	0.00
69.6	5.95	1.03	3.54	3.03	1.36	0.00	3.40	0.00	0.00	0.00	0.00	0.00
69.7	8.79	0.00	6.73	0.00	0.41	0.00	2.53	0.00	0.00	0.00	0.00	0.00
69.8	0.51	0.00	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69.9	20.33	1.01	5.52	8.35	5.22	0.00	6.50	0.00	2.69	0.54	5.52	4.12
70	29.03	1.45	7.29	5.37	0.81	0.00	6.45	0.00	0.00	0.00	0.00	0.00
70.1	7.01	0.00	8.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.2	5.57	0.00	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.3	4.01	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.4	2.06	0.00	5.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.5	13.93	0.00	8.80	0.00	0.00	0.00	0.00	0.00	0.50	0.00	8.02	0.00
70.6	16.79	0.00	7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.7	8.71	3.79	9.18	6.51	2.05	0.36	2.61	1.27	0.39	0.00	11.76	0.00
70.8	17.78	0.67	19.94	15.75	0.49	0.00	3.53	0.00	5.40	0.91	13.34	5.12
70.9	17.83	0.00	9.96	0.00	2.81	0.00	17.34	0.00	38.09	0.00	9.51	0.00
71	58.70	6.23	11.86	5.70	0.00	0.00	0.00	0.00	0.58	0.00	5.13	0.00
71.1	44.79	1.28	15.50	12.60	0.43	0.00	2.31	0.00	0.54	0.00	3.33	0.00
71.2	28.72	3.84	14.06	12.37	8.22	0.00	3.89	0.00	6.12	0.44	7.73	6.75
71.3	5.74	0.00	10.87	0.00	21.10	0.00	5.01	0.00	79.12	0.00	15.36	0.00
71.4	24.83	0.48	11.91	12.52	12.97	0.00	4.53	0.00	33.62	0.00	10.66	0.00
71.5	49.24	0.00	13.04	0.00	3.76	0.00	6.23	0.00	45.19	0.00	10.29	0.00
71.6	15.81	0.49	10.18	3.22	0.00	0.00	0.00	0.00	1.12	0.00	8.76	0.00
71.7	12.32	3.87	15.19	9.44	1.96	0.00	4.38	0.00	21.75	0.00	9.49	0.00
71.8	4.19	0.37	11.49	3.80	0.30	0.00	5.09	0.00	2.90	0.00	12.13	0.00
71.9	16.40	0.00	13.31	0.00	0.85	0.00	3.93	0.00	43.64	0.00	10.25	0.00
72	2.64	1.53	18.40	4.23	2.87	0.00	4.33	0.00	10.07	0.00	8.99	0.00
72.1	6.74	0.78	11.87	10.71	0.00	0.00	0.00	0.00	1.71	0.00	4.88	0.00
72.2	38.67	2.11	13.62	10.48	8.27	0.00	13.93	0.00	2.82	0.00	3.66	0.00
72.3	56.62	5.20	9.62	6.26	24.26	0.00	10.92	0.00	4.01	0.00	17.64	0.00
72.4	78.69	8.03	9.79	6.97	5.04	0.41	8.93	5.90	0.35	0.00	4.91	0.00
72.5	67.87	15.98	11.72	10.54	1.33	1.81	7.88	3.07	0.91	0.00	3.76	0.00
72.6	28.77	0.99	7.67	7.56	9.32	0.42	14.45	5.92	0.36	0.00	5.29	0.00
72.7	62.54	2.65	10.22	12.56	13.59	0.00	11.38	0.00	0.44	0.00	2.76	0.00

72.8	94.04	1.75	11.00	5.62	8.15	0.00	13.00	0.00	2.50	0.77	15.37	6.06
72.9	71.72	5.27	10.98	4.34	6.88	0.00	9.16	0.00	2.90	0.78	9.71	4.92
73	61.79	3.25	11.27	9.43	4.99	0.00	6.81	0.00	1.99	0.39	4.64	5.34
73.1	37.90	8.40	11.05	13.59	15.22	0.32	16.94	7.74	2.72	0.42	13.27	11.11
73.2	41.08	1.55	5.06	4.58	7.29	0.00	9.52	0.00	1.87	0.18	5.78	4.00
73.3	60.42	0.21	6.61	4.04	7.71	0.00	5.13	0.00	2.18	0.00	8.82	0.00
73.4	81.53	0.00	6.95	0.00	4.73	0.00	7.82	0.00	0.60	0.00	4.75	0.00
73.5	60.74	1.29	6.64	9.39	3.52	0.00	6.13	0.00	0.00	0.53	0.00	2.49
73.6	69.24	1.30	7.03	10.53	9.74	0.00	9.46	0.00	3.78	0.00	7.24	0.00
73.7	69.81	0.00	8.41	0.00	1.82	0.00	4.05	0.00	1.47	0.00	3.40	0.00
73.8	36.97	0.44	6.69	4.96	5.50	0.00	7.93	0.00	1.51	0.00	5.07	0.00
73.9	29.90	1.09	8.30	14.97	4.78	0.00	4.86	0.00	2.36	0.00	11.31	0.00
74	97.98	0.00	7.41	0.00	8.77	0.00	4.27	0.00	3.45	0.58	6.51	5.04
74.1	31.60	6.83	13.00	13.35	14.68	6.90	16.29	13.98	3.69	4.13	16.57	19.25
74.2	109.66	39.53	15.43	13.36	19.52	19.75	14.58	15.15	15.11	5.24	20.10	17.30
74.3	145.54	89.22	12.66	15.64	31.85	15.05	15.49	15.06	6.83	4.62	8.82	6.97
74.4	260.68	6.67	13.85	5.49	21.24	11.85	14.59	13.61	3.45	2.11	9.36	5.58
74.5	207.41	72.85	15.80	6.84	33.53	15.55	14.21	13.34	2.07	0.94	12.77	8.07
74.6	198.43	24.66	14.27	12.22	25.61	17.11	15.97	16.55	4.46	0.77	14.72	9.46
74.7	196.19	53.90	14.26	13.59	26.14	15.35	11.11	19.85	3.26	2.80	11.01	8.23
74.8	163.08	92.80	13.63	17.27	40.74	21.56	17.84	18.01	4.73	3.27	15.15	16.52
74.9	218.13	13.26	16.48	13.18	35.06	22.16	16.04	15.66	8.24	4.68	18.08	17.09
75	276.67	33.73	15.96	13.18	15.92	13.62	14.50	13.47	5.36	3.53	16.72	15.21
75.1	301.68	30.43	15.85	13.68	7.95	6.53	14.47	13.33	1.89	1.33	8.25	13.50
75.2	162.25	54.73	18.10	11.31	5.21	2.30	9.36	7.60	3.49	0.95	10.41	22.44
75.3	133.43	115.10	15.90	13.43	9.17	7.37	12.68	14.38	5.05	5.87	13.84	11.47
75.4	165.08	74.94	13.35	13.66	8.68	8.47	14.65	13.98	6.20	3.97	14.80	16.89
75.5	198.00	104.08	14.74	14.50	19.31	13.49	15.62	14.77	5.87	1.80	14.18	4.97
75.6	185.75	29.91	15.14	16.39	20.65	11.84	15.94	16.51	2.30	0.00	6.53	0.00
75.7	167.40	47.23	15.10	12.76	6.78	8.28	14.72	13.03	2.06	1.61	8.72	13.08
75.8	155.21	74.51	13.70	13.14	6.44	4.40	10.62	9.73	1.41	0.78	5.31	6.65
75.9	163.34	11.85	16.75	5.74	10.72	9.60	9.99	13.88	0.90	0.00	8.77	0.00
76	132.91	55.46	13.76	11.68	7.03	0.23	15.50	4.64	4.35	1.38	13.31	18.59
76.1	181.96	41.10	14.01	11.23	11.42	5.70	8.72	6.20	4.30	0.80	9.49	10.75
76.2	171.59	10.71	14.40	13.36	4.70	3.87	8.99	6.37	2.30	1.53	10.21	8.53
76.3	204.95	9.26	11.73	8.10	3.37	1.78	9.52	7.91	3.01	0.38	10.60	6.21
76.4	129.26	4.89	16.35	4.54	4.30	0.43	13.20	5.15	2.62	0.95	19.12	4.54
76.5	55.85	86.23	11.21	14.69	9.30	1.57	15.37	5.03	5.02	0.00	8.22	0.00
76.6	128.75	25.51	14.43	10.04	6.05	4.23	10.82	11.44	4.13	0.35	13.05	4.36
76.7	163.91	15.68	15.35	13.97	2.86	2.37	7.41	9.33	1.43	0.17	10.09	9.07
76.8	220.53	23.99	15.00	6.33	4.91	4.54	9.80	6.88	2.17	0.00	6.25	0.00
76.9	104.33	61.60	10.25	5.23	8.65	2.55	12.67	6.92	1.60	0.00	6.49	0.00
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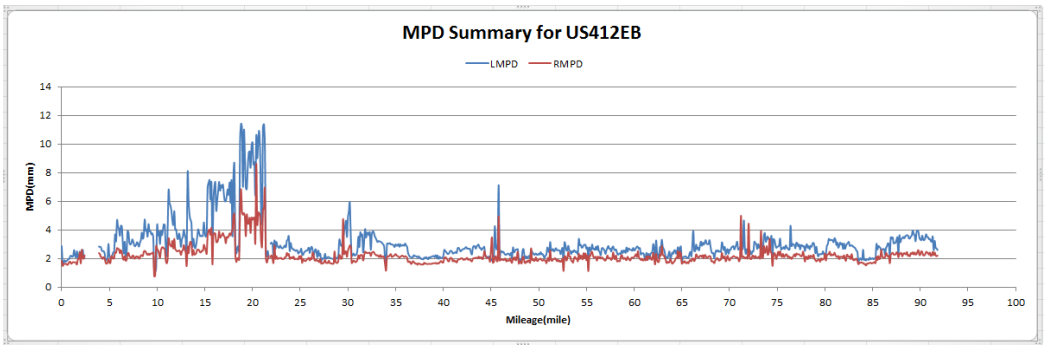
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77.3	141.03	27.27	10.00	12.01	0.09	0.36	3.29	4.93	0.00	0.00	0.00	0.00
77.4	207.39	12.11	18.41	16.70	2.08	1.51	8.98	9.91	0.67	0.73	14.64	15.24
77.5	96.87	0.32	11.18	12.00	0.13	0.37	4.82	7.23	0.47	0.00	3.30	0.00
77.6	186.84	24.02	13.82	11.58	4.55	5.00	21.18	12.93	2.75	1.15	7.38	10.40
77.7	174.87	109.78	15.74	14.06	40.53	11.53	15.46	15.02	5.79	7.92	14.92	15.50
77.8	171.30	37.34	15.91	16.27	16.31	5.01	14.73	16.10	4.86	2.98	26.77	21.80
77.9	193.22	15.78	14.17	14.83	16.26	5.83	15.72	13.25	4.25	2.08	11.47	18.98
78	53.50	17.62	14.67	8.58	1.81	1.87	15.37	5.63	0.48	0.00	5.92	0.00
78.1	125.93	74.09	17.39	13.56	15.42	10.83	13.64	14.06	5.29	1.51	15.26	12.97
78.2	161.79	40.19	16.08	14.32	15.79	14.60	14.87	16.05	4.08	0.83	11.09	17.90
78.3	236.38	10.53	15.05	14.07	12.16	9.85	11.29	13.86	4.23	2.63	19.06	20.55
78.4	186.01	19.97	16.55	12.12	5.25	2.74	11.85	13.21	0.76	0.80	4.00	12.01
78.5	154.13	14.80	13.83	10.06	8.33	4.36	14.34	13.55	1.49	1.30	16.29	10.93
78.6	111.49	42.34	13.84	13.90	2.49	3.21	21.58	18.47	0.00	0.00	0.00	0.00
78.7	96.14	99.92	11.96	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78.8	0.38	112.01	3.66	7.27	0.43	0.00	2.10	0.00	0.00	0.00	0.00	0.00
78.9	124.25	28.16	12.68	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	251.46	3.41	11.62	9.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.1	283.92	2.20	11.74	13.95	0.13	0.36	3.08	4.62	0.00	0.00	0.00	0.00
79.2	237.14	14.51	8.39	13.88	0.48	0.00	4.73	0.00	0.00	0.00	0.00	0.00
79.3	88.12	122.84	11.59	13.12	1.03	0.40	2.83	1.88	2.45	1.60	7.85	6.33
79.4	243.51	50.05	11.38	12.15	0.00	0.00	0.00	0.00	0.00	0.39	0.00	4.26
79.5	275.84	5.97	14.66	14.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.6	64.18	137.33	11.43	16.78	0.00	0.00	0.00	0.00	0.48	0.00	4.28	0.00
79.7	89.37	64.24	11.02	12.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79.8	217.81	6.56	12.38	11.62	1.80	1.54	12.63	13.66	0.10	0.43	2.86	4.29
79.9	146.16	25.06	11.37	17.52	3.95	5.30	9.34	11.71	1.68	0.00	14.26	0.00
80	92.95	74.01	14.00	11.76	8.79	2.29	14.61	13.81	1.01	0.00	7.04	0.00
80.1	198.05	13.63	13.18	10.78	10.71	2.55	13.59	14.03	1.49	0.00	10.46	0.00
80.2	251.35	34.23	14.97	14.41	8.85	3.85	15.84	9.50	4.92	1.30	11.20	11.90
80.3	160.05	55.62	14.30	6.19	6.69	4.40	16.18	14.39	6.42	2.94	20.80	16.31
80.4	231.31	36.39	16.80	5.64	24.24	14.78	15.00	13.91	2.76	0.38	21.30	16.14
80.5	250.68	17.81	15.94	5.53	10.24	7.70	17.03	16.83	3.46	0.00	12.94	0.00
80.6	214.16	7.47	16.97	7.27	12.73	9.69	15.92	16.70	1.09	0.44	6.26	6.31
80.7	138.24	6.12	15.93	19.60	7.07	5.08	17.08	17.15	1.16	0.16	10.80	8.68
80.8	180.54	4.21	15.99	4.85	4.44	3.45	15.63	16.11	1.97	0.49	10.41	8.97
80.9	149.84	0.16	11.90	4.07	1.15	1.18	8.90	10.46	0.00	0.00	0.00	0.00
81	137.49	39.90	15.54	13.66	9.76	5.29	14.47	12.32	1.65	1.99	8.92	13.05
81.1	90.12	62.95	9.52	14.47	6.75	6.52	9.15	15.18	1.14	1.24	13.29	14.12
81.2	100.63	38.75	12.80	9.13	2.47	1.11	14.69	12.38	1.17	0.40	2.83	4.44
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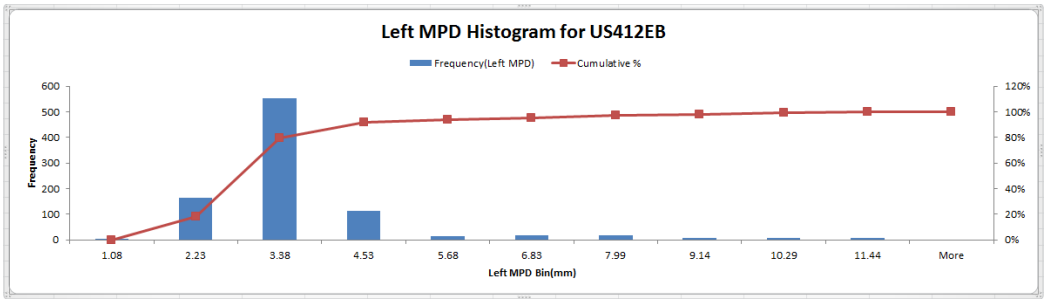
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81.6	67.00	46.80	14.39	11.44	7.32	0.84	15.77	6.89	3.33	1.52	17.67	14.34
81.7	210.25	7.52	14.80	13.04	6.31	2.93	16.45	17.22	1.95	0.74	9.93	5.79
81.8	118.66	65.76	15.44	13.03	0.87	0.00	3.45	0.00	0.00	1.06	0.00	3.05
81.9	109.46	48.30	11.69	14.55	4.98	3.07	8.96	8.35	1.60	0.00	2.92	0.00
82	43.15	39.24	15.56	15.20	13.61	12.01	13.25	12.77	5.07	4.18	9.16	24.75
82.1	205.55	73.98	14.51	6.78	2.33	0.35	6.09	4.00	0.41	0.69	5.53	6.40
82.2	132.55	66.48	12.50	8.86	0.48	0.00	2.75	0.00	0.00	0.00	0.00	0.00
82.3	166.82	28.42	14.22	17.29	0.40	0.00	2.16	0.00	0.98	0.19	6.65	9.97
82.4	155.99	44.60	11.09	13.97	0.34	0.00	4.13	0.00	0.00	0.00	0.00	0.00
82.5	39.97	56.41	13.47	13.55	1.12	0.00	9.58	0.00	0.42	0.13	1.89	2.84
82.6	44.22	95.26	11.69	10.99	5.19	0.00	4.80	0.00	2.09	0.00	3.06	0.00
82.7	61.03	76.18	14.90	11.91	23.18	15.65	9.05	7.95	0.51	0.99	8.65	7.62
82.8	138.48	68.86	13.51	17.31	0.84	1.86	7.17	10.95	0.01	0.74	3.69	6.55
82.9	160.81	21.59	14.78	12.39	11.76	6.54	14.88	12.56	0.67	0.00	3.25	0.00
83	128.07	3.69	11.82	15.39	8.68	8.39	13.71	12.56	1.42	0.00	8.01	0.00
83.1	138.47	0.00	11.80	0.00	0.00	0.00	0.00	0.00	0.39	0.00	4.57	0.00
83.2	9.95	0.00	3.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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83.4	10.46	0.00	3.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.5	8.45	0.00	4.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.6	8.49	0.00	4.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.7	4.08	0.00	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.8	18.36	0.00	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	4.03	0.00	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.2	2.00	2.05	3.32	4.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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84.4	34.04	0.00	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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84.6	36.72	0.00	7.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84.7	22.22	0.00	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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84.9	23.71	0.00	11.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	82.42	8.45	11.39	5.55	2.29	0.00	11.42	0.00	2.06	0.24	8.02	3.74
85.1	123.62	12.56	15.47	16.01	0.39	0.00	3.33	0.00	0.47	0.00	4.87	0.00
85.2	49.76	33.53	11.06	5.44	2.44	0.00	13.09	0.00	1.09	0.00	6.68	0.00
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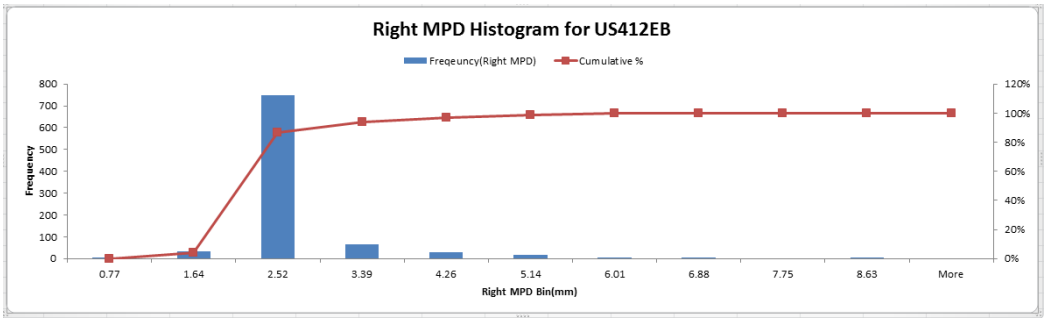
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86	25.50	56.61	12.80	12.18	8.84	5.77	16.66	17.80	3.73	0.39	14.46	9.44
86.1	128.07	20.18	11.61	6.41	10.87	21.38	13.52	12.70	1.77	6.05	10.05	9.68
86.2	40.92	46.28	12.85	14.80	1.62	3.08	7.70	10.91	0.00	0.00	0.00	0.00
86.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.4	14.46	2.15	10.21	7.87	4.97	3.07	8.39	8.56	0.00	0.00	0.00	0.00
86.5	4.84	0.00	2.86	0.00	12.16	8.85	12.47	12.83	0.48	0.00	4.90	0.00
86.6	11.02	0.52	4.21	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.7	0.89	1.53	5.01	10.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.8	8.04	1.85	14.30	7.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86.9	11.58	0.00	9.96	0.00	0.41	0.00	5.36	0.00	0.00	0.00	0.00	0.00
87	5.04	0.00	4.90	0.00	0.52	0.25	5.95	10.47	0.43	0.22	4.50	6.75
87.1	10.21	0.00	9.15	0.00	0.08	0.29	5.73	8.60	0.00	0.00	0.00	0.00
87.2	44.22	0.29	7.74	7.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.3	36.13	0.70	7.77	6.59	0.08	0.39	7.80	11.70	0.00	0.00	0.00	0.00
87.4	42.43	0.68	14.73	14.39	0.00	0.00	0.00	0.00	1.46	0.83	15.43	9.92
87.5	60.90	0.52	11.36	6.52	0.04	0.37	3.78	5.67	0.94	0.00	5.55	0.00
87.6	56.00	3.72	7.75	8.91	0.00	0.00	0.00	0.00	0.57	0.00	2.33	0.00
87.7	60.75	1.80	8.94	8.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.8	71.91	8.67	9.45	9.02	0.00	0.00	0.00	0.00	0.49	0.07	6.28	9.41
87.9	118.91	21.23	11.03	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	72.65	3.04	8.35	6.22	0.12	0.84	8.92	13.38	0.00	0.00	0.00	0.00
88.1	100.29	0.53	8.93	6.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.2	100.79	1.22	8.57	9.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.3	46.47	0.08	11.26	14.51	1.17	0.74	6.07	7.15	0.00	0.00	0.00	0.00
88.4	78.06	5.18	8.28	6.10	0.20	0.77	18.95	14.21	0.00	0.00	0.00	0.00
88.5	44.02	0.51	15.72	9.94	0.00	0.00	0.00	0.00	0.44	0.00	5.00	0.00
88.6	20.40	0.75	8.36	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.7	38.96	0.00	6.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.8	78.88	0.00	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.9	53.53	0.00	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	98.27	0.00	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.1	59.30	3.43	7.92	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.2	41.01	0.30	9.38	7.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.3	46.14	0.00	7.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.4	5.12	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	4.97
89.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.6	0.00	2.00	0.00	9.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.7	0.52	0.00	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.8	4.88	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89.9	16.76	0.00	4.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

90	41.42	0.00	8.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MPD Data


MPD Summary for US412EB
LMPD
RMPD
MPD(mm)
Mileage(mile)


Left MPD Histogram for US412EB
Frequency(Left MPD)
Cumulative %
Frequency
1.08
2.23
3.38
4.53
5.68
6.83
7.99
9.14
10.29
11.44
More
Left MPD Bin(mm)


Right MPD Histogram for US412EB
Freqeuncy(Right MPD)
Cumulative %
Frequency
0.77
1.64
2.52
3.39
4.26
5.14
6.01
6.88
7.75
8.63
More
Right MPD Bin(mm)

Mileage	Corresponding IMG ID/Profile ID		LMPD(mm)	RMPD(mm)
	Begin position	End position		
0.00	0 / 0	0 / 1365	2.874	1.844
0.10	70 / 819	71 / 136	1.72	1.492
0.20	140 / 1638	141 / 955	1.708	1.634
0.30	211 / 409	211 / 1774	1.886	1.636
0.40	281 / 1228	282 / 545	1.785	1.643
0.50	351 / 2047	352 / 1364	1.848	1.633
0.60	422 / 818	423 / 135	1.878	1.557
0.70	492 / 1637	493 / 954	1.991	1.645
0.80	563 / 408	563 / 1773	1.982	1.777
0.90	633 / 1227	634 / 544	2.187	1.775
1.00	703 / 2046	704 / 1363	2.206	1.644
1.10	774 / 817	775 / 134	2.125	1.709
1.20	844 / 1636	845 / 953	2.18	1.761
1.30	915 / 407	915 / 1772	2.602	1.744
1.40	985 / 1226	986 / 543	2.218	1.753
1.50	1055 / 2045	1056 / 1362	2.087	1.718
1.60	1126 / 816	1127 / 133	2.516	1.591
1.70	1196 / 1635	1197 / 952	2.024	1.985
1.80	1267 / 406	1267 / 1771	2.065	1.994
1.90	1337 / 1225	1338 / 542	2.494	2.422
2.00	1407 / 2044	1408 / 1361	2.055	1.669
2.10	1478 / 815	1479 / 132	2.148	2.619
2.20	1548 / 1634	1549 / 951	2.626	2.101
2.30	1619 / 405	1619 / 1770	2.109	1.992
2.40	1689 / 1224	1690 / 541	2.088	2.235
2.50-3.80	Missing			
3.90	0 / 0	0 / 1365	2.848	2.393
4.00	70 / 819	71 / 136	2.823	2.323
4.10	140 / 1638	141 / 955	2.812	2.125
4.20	211 / 409	211 / 1774	2.572	2.099
4.30	281 / 1228	282 / 545	2.523	1.981
4.40	351 / 2047	352 / 1364	2.524	2.105
4.50	422 / 818	423 / 135	2.368	2.023
4.60	492 / 1637	493 / 954	1.872	1.716
4.70	563 / 408	563 / 1773	1.976	1.642
4.80	633 / 1227	634 / 544	2.008	1.714
4.90	703 / 2046	704 / 1363	3.029	1.99
5.00	774 / 817	775 / 134	2.152	1.742
5.10	844 / 1636	845 / 953	2.055	1.688
5.20	915 / 407	915 / 1772	2.057	2.183
5.30	985 / 1226	986 / 543	2.223	2.145

5.40	1055 / 2045	1056 / 1362	2.441	1.999
5.50	1126 / 816	1127 / 133	2.497	2.048
5.60	0 / 0	0 / 1365	3.696	2.436
5.70	70 / 819	71 / 136	3.217	2.416
5.80	140 / 1638	141 / 955	4.682	2.741
5.90	211 / 409	211 / 1774	4.237	2.676
6.00	281 / 1228	282 / 545	4.065	2.665
6.10	351 / 2047	352 / 1364	3.601	2.371
6.20	422 / 818	423 / 135	4.295	2.597
6.30	492 / 1637	493 / 954	4.276	2.447
6.40	563 / 408	563 / 1773	3.151	2.059
6.50	633 / 1227	634 / 544	2.363	1.915
6.60	703 / 2046	704 / 1363	3.181	2.179
6.70	774 / 817	775 / 134	2.186	1.858
6.80	844 / 1636	845 / 953	2.271	1.898
6.90	915 / 407	915 / 1772	3.917	2.296
7.00	985 / 1226	986 / 543	3.828	2.401
7.10	1055 / 2045	1056 / 1362	3.1	2.179
7.20	1126 / 816	1127 / 133	2.982	2.1
7.30	1196 / 1635	1197 / 952	3.101	2.049
7.40	1267 / 406	1267 / 1771	3.344	2.183
7.50	1337 / 1225	1338 / 542	3.188	2.214
7.60	1407 / 2044	1408 / 1361	2.928	2.007
7.70	1478 / 815	1479 / 132	2.865	2.03
7.80	1548 / 1634	1549 / 951	2.983	2.162
7.90	1619 / 405	1619 / 1770	3.153	2.108
8.00	1689 / 1224	1690 / 541	2.993	2.153
8.10	1759 / 2043	1760 / 1360	2.851	1.996
8.20	1830 / 814	1831 / 131	3.129	2.078
8.30	1900 / 1633	1901 / 950	3.308	2.24
8.40	1971 / 404	1971 / 1769	3.829	2.222
8.50	2041 / 1223	2042 / 540	3.388	2.181
8.60	2111 / 2042	2112 / 1359	3.617	2.478
8.70	2182 / 813	2183 / 130	4.738	2.543
8.80	2252 / 1632	2253 / 949	3.958	2.479
8.90	2323 / 403	2323 / 1768	4.039	2.349
9.00	2393 / 1222	2394 / 539	3.537	2.266
9.10	2463 / 2041	2464 / 1358	4.408	2.357
9.20	2534 / 812	2535 / 129	3.91	2.262
9.30	2604 / 1631	2605 / 948	3.914	2.355
9.40	2675 / 402	2675 / 1767	3.697	2.339
9.50	2745 / 1221	2746 / 538	3.769	2.413
9.60	2815 / 2040	2816 / 1357	3.461	2.404

9.70	2886 / 811	2887 / 128	1.155	0.7688
9.80	2956 / 1630	2957 / 947	1.078	0.814
9.90	3027 / 401	3027 / 1766	1.31	2.886
10.00	3097 / 1220	3098 / 537	4.332	2.676
10.10	3167 / 2039	3168 / 1356	3.622	2.594
10.20	3238 / 810	3239 / 127	3.907	2.374
10.30	3308 / 1629	3309 / 946	3.026	2.058
10.40	3379 / 400	3379 / 1765	3.934	2.567
10.50	3449 / 1219	3450 / 536	3.635	2.766
10.60	3519 / 2038	3520 / 1355	3.983	2.805
10.70	3590 / 809	3591 / 126	4.402	2.718
10.80	3660 / 1628	3661 / 945	4.358	2.681
10.90	3731 / 399	3731 / 1764	2.905	1.92
11.00	3801 / 1218	3802 / 535	2.189	1.671
11.10	3871 / 2037	3872 / 1354	3.806	1.896
11.20	3942 / 808	3943 / 125	6.774	3.397
11.30	4012 / 1627	4013 / 944	5.915	3.026
11.40	4083 / 398	4083 / 1763	5.713	2.945
11.50	4153 / 1217	4154 / 534	5.312	2.853
11.60	4223 / 2036	4224 / 1353	4.655	3.241
11.70	4294 / 807	4295 / 124	4.368	2.713
11.80	4364 / 1626	4365 / 943	5.321	3.382
11.90	4435 / 397	4435 / 1762	4.021	2.664
12.00	4505 / 1216	4506 / 533	4.039	2.59
12.10	4575 / 2035	4576 / 1352	3.457	2.507
12.20	4646 / 806	4647 / 123	3.365	2.527
12.30	4716 / 1625	4717 / 942	3.767	2.573
12.40	4787 / 396	4787 / 1761	3.415	2.51
12.50	4857 / 1215	4858 / 532	2.826	2.261
12.60	4927 / 2034	4928 / 1351	3.356	2.529
12.70	4998 / 805	4999 / 122	3.546	2.597
12.80	5068 / 1624	5069 / 941	4.016	2.947
12.90	5139 / 395	5139 / 1760	3.653	2.646
13.00	5209 / 1214	5210 / 531	3.353	2.403
13.10	5279 / 2033	5280 / 1350	2.202	1.474
13.20	5350 / 804	5351 / 121	8.004	2.837
13.30	5420 / 1623	5421 / 940	6.083	2.375
13.40	5491 / 394	5491 / 1759	5.055	2.97
13.50	5561 / 1213	5562 / 530	4.715	3.19
13.60	5631 / 2032	5632 / 1349	4.497	3.018
13.70	5702 / 803	5703 / 120	2.834	2.232
13.80	5772 / 1622	5773 / 939	3.398	2.607
13.90	5843 / 393	5843 / 1758	2.945	2.292

14.00	5913 / 1212	5914 / 529	2.717	2.295
14.10	5983 / 2031	5984 / 1348	3.005	2.392
14.20	6054 / 802	6055 / 119	3.51	2.619
14.30	6124 / 1621	6125 / 938	4.042	2.631
14.40	6195 / 392	6195 / 1757	3.825	2.591
14.50	6265 / 1211	6266 / 528	3.577	2.443
14.60	6335 / 2030	6336 / 1347	3.611	2.452
14.70	6406 / 801	6407 / 118	3.567	2.561
14.80	6476 / 1620	6477 / 937	3.588	2.551
14.90	6547 / 391	6547 / 1756	4.533	2.963
15.00	6617 / 1210	6618 / 527	3.834	2.789
15.10	6687 / 2029	6688 / 1346	3.523	2.563
15.20	6758 / 800	6759 / 117	3.786	2.345
15.30	6828 / 1619	6829 / 936	7.026	3.636
15.40	6899 / 390	6899 / 1755	7.301	3.961
15.50	6969 / 1209	6970 / 526	7.486	4.023
15.60	7039 / 2028	7040 / 1345	6.118	3.647
15.70	7110 / 799	7111 / 116	7.275	4.109
15.80	7180 / 1618	7181 / 935	2.182	1.596
15.90	7251 / 389	7251 / 1754	5.909	3.671
16.00	7321 / 1208	7322 / 525	7.039	3.781
16.10	7391 / 2027	7392 / 1344	7.332	3.754
16.20	7462 / 798	7463 / 115	5.358	3.169
16.30	7532 / 1617	7533 / 934	6.084	3.15
16.40	7603 / 388	7603 / 1753	6.752	3.355
16.50	7673 / 1207	7674 / 524	7.369	3.902
16.60	7743 / 2026	7744 / 1343	6.743	3.471
16.70	7814 / 797	7815 / 114	7.124	3.573
16.80	7884 / 1616	7885 / 933	6.958	3.652
16.90	7955 / 387	7955 / 1752	7.169	3.787
17.00	8025 / 1206	8026 / 523	6.473	3.571
17.10	8095 / 2025	8096 / 1342	6.015	3.49
17.20	8166 / 796	8167 / 113	6.011	3.077
17.30	8236 / 1615	8237 / 932	6.412	3.52
17.40	8307 / 386	8307 / 1751	6.842	3.468
17.50	8377 / 1205	8378 / 522	6.461	3.565
17.60	8447 / 2024	8448 / 1341	7.323	3.768
17.70	8518 / 795	8519 / 112	5.91	3.621
17.80	8588 / 1614	8589 / 931	7.442	3.85
17.90	8659 / 385	8659 / 1750	3.552	4.028
18.00	8729 / 1204	8730 / 521	7.616	4.99
18.10	8799 / 2023	8800 / 1340	8.608	5.132
18.20	8870 / 794	8871 / 111	3.223	2.297

18.30	8940 / 1613	8941 / 930	2.374	1.77
18.40	9011 / 384	9011 / 1749	2.718	2.019
18.50	9081 / 1203	9082 / 520	2.866	2.013
18.60	9151 / 2022	9152 / 1339	2.515	1.907
18.70	9222 / 793	9223 / 110	10.27	5.427
18.80	9292 / 1612	9293 / 929	11.44	6.847
18.90	9363 / 383	9363 / 1748	11.1	5.255
19.00	9433 / 1202	9434 / 519	7.015	5.07
19.10	9503 / 2021	9504 / 1338	10.95	5.181
19.20	9574 / 792	9575 / 109	9.315	4.959
19.30	9644 / 1611	9645 / 928	6.928	3.573
19.40	9715 / 382	9715 / 1747	6.843	5.083
19.50	9785 / 1201	9786 / 518	8.272	4.447
19.60	9855 / 2020	9856 / 1337	9.369	4.445
19.70	9926 / 791	9927 / 108	9.482	4.85
19.80	9996 / 1610	9997 / 927	8.347	3.787
19.90	10067 / 381	10067 / 1746	9.872	4.864
20.00	10137 / 1200	10138 / 517	10.12	4.719
20.10	10207 / 2019	10208 / 1336	8.57	4.835
20.20	10278 / 790	10279 / 107	8.744	4.87
20.30	10348 / 1609	10349 / 926	6.443	3.139
20.40	10419 / 380	10419 / 1745	10.6	8.628
20.50	10489 / 1199	10490 / 516	9.011	4.42
20.60	10559 / 2018	10560 / 1335	10.27	5.226
20.70	10630 / 789	10631 / 106	10.91	5.19
20.80	10700 / 1608	10701 / 925	9.446	4.912
20.90	10771 / 379	10771 / 1744	5.22	3.203
21.00	10841 / 1198	10842 / 515	4.487	2.822
21.10	10911 / 2017	10912 / 1334	11.2	5.388
21.20	10982 / 788	10983 / 105	11.4	5.543
21.30	11052 / 1607	11053 / 924	9.9	6.855
21.40	11123 / 378	11123 / 1743	2.364	2.067
21.50	11193 / 1197	11194 / 514	2.141	1.725
21.60	11263 / 2016	11264 / 1333	2.538	1.949
21.70	11334 / 787	11335 / 104	2.06	2.192
21.80				
21.90	0 / 0	0 / 1365	3.042	2.099
22.00	70 / 819	71 / 136	3.127	2.235
22.10	140 / 1638	141 / 955	3.009	1.977
22.20	211 / 409	211 / 1774	2.242	1.715
22.30	281 / 1228	282 / 545	3.283	2.938
22.40	351 / 2047	352 / 1364	2.681	1.996
22.50	422 / 818	423 / 135	3.17	2.174

22.60	492 / 1637	493 / 954	2.891	1.993
22.70	563 / 408	563 / 1773	2.808	1.997
22.80	633 / 1227	634 / 544	2.758	2.05
22.90	703 / 2046	704 / 1363	2.915	2.016
23.00	774 / 817	775 / 134	2.775	2.059
23.10	844 / 1636	845 / 953	2.72	1.969
23.20	915 / 407	915 / 1772	2.744	1.978
23.30	985 / 1226	986 / 543	2.841	1.989
23.40	1055 / 2045	1056 / 1362	2.922	2.099
23.50	1126 / 816	1127 / 133	2.802	2.116
23.60	1196 / 1635	1197 / 952	3.27	2.404
23.70	1267 / 406	1267 / 1771	3.319	2.233
23.80	1337 / 1225	1338 / 542	3.572	2.328
23.90	1407 / 2044	1408 / 1361	2.526	1.986
24.00	1478 / 815	1479 / 132	3.097	2.088
24.10	1548 / 1634	1549 / 951	2.767	2.084
24.20	1619 / 405	1619 / 1770	2.713	2.033
24.30	1689 / 1224	1690 / 541	2.61	2.148
24.40	1759 / 2043	1760 / 1360	2.621	1.962
24.50	1830 / 814	1831 / 131	2.541	2
24.60	1900 / 1633	1901 / 950	2.592	1.974
24.70	1971 / 404	1971 / 1769	2.574	1.978
24.80	2041 / 1223	2042 / 540	2.363	1.957
24.90	2111 / 2042	2112 / 1359	2.48	2.18
25.00	2182 / 813	2183 / 130	2.477	1.995
25.10	2252 / 1632	2253 / 949	2.699	2.19
25.20	2323 / 403	2323 / 1768	2.297	1.706
25.30	2393 / 1222	2394 / 539	2.254	1.98
25.40	2463 / 2041	2464 / 1358	2.44	1.885
25.50	2534 / 812	2535 / 129	2.491	1.84
25.60	2604 / 1631	2605 / 948	2.56	1.849
25.70	2675 / 402	2675 / 1767	2.558	1.955
25.80	2745 / 1221	2746 / 538	2.658	1.996
25.90	2815 / 2040	2816 / 1357	2.762	2.053
26.00	2886 / 811	2887 / 128	2.396	1.878
26.10	2956 / 1630	2957 / 947	2.731	2.055
26.20	3027 / 401	3027 / 1766	2.831	1.967
26.30	3097 / 1220	3098 / 537	2.613	2.427
26.40	3167 / 2039	3168 / 1356	2.24	2.272
26.50	3238 / 810	3239 / 127	2.454	1.893
26.60	3308 / 1629	3309 / 946	2.669	1.861
26.70	3379 / 400	3379 / 1765	2.462	1.942
26.80	3449 / 1219	3450 / 536	2.103	1.84

26.90	3519 / 2038	3520 / 1355	2.57	1.85
27.00	3590 / 809	3591 / 126	2.199	1.755
27.10	3660 / 1628	3661 / 945	2.35	1.989
27.20	3731 / 399	3731 / 1764	1.838	1.65
27.30	3801 / 1218	3802 / 535	2.031	1.707
27.40	3871 / 2037	3872 / 1354	1.989	1.67
27.50	3942 / 808	3943 / 125	2.018	1.764
27.60	4012 / 1627	4013 / 944	2.342	1.912
27.70	4083 / 398	4083 / 1763	2.008	1.708
27.80	4153 / 1217	4154 / 534	2.058	1.715
27.90	4223 / 2036	4224 / 1353	2.117	1.701
28.00	4294 / 807	4295 / 124	2.109	1.855
28.10	4364 / 1626	4365 / 943	2.056	1.702
28.20	4435 / 397	4435 / 1762	2.016	1.667
28.30	4505 / 1216	4506 / 533	2.01	1.662
28.40	4575 / 2035	4576 / 1352	1.984	1.64
28.50	4646 / 806	4647 / 123	2.003	1.658
28.60	4716 / 1625	4717 / 942	1.984	2.5
28.70	4787 / 396	4787 / 1761	2.087	1.78
28.80	4857 / 1215	4858 / 532	2.008	1.714
28.90	4927 / 2034	4928 / 1351	2.034	1.7
29.00	4998 / 805	4999 / 122	2.228	1.861
29.10	5068 / 1624	5069 / 941	3.327	2.242
29.20	5139 / 395	5139 / 1760	3.101	2.157
29.30	5209 / 1214	5210 / 531	2.892	1.979
29.40	5279 / 2033	5280 / 1350	2.975	2.077
29.50	5350 / 804	5351 / 121	3.186	4.769
29.60	5420 / 1623	5421 / 940	3.895	2.327
29.70	5491 / 394	5491 / 1759	4.243	2.509
29.80	5561 / 1213	5562 / 530	4.633	2.498
29.90	5631 / 2032	5632 / 1349	3.509	2.124
30.00	5702 / 803	5703 / 120	4.878	2.554
30.10	5772 / 1622	5773 / 939	5.301	2.743
30.20	5843 / 393	5843 / 1758	5.907	2.924
30.30	5913 / 1212	5914 / 529	3.599	2.867
30.40	5983 / 2031	5984 / 1348	2.202	1.695
30.50	6054 / 802	6055 / 119	2.232	1.781
30.60	6124 / 1621	6125 / 938	2.359	1.874
30.70	6195 / 392	6195 / 1757	2.226	1.814
30.80	6265 / 1211	6266 / 528	2.239	1.754
30.90	6335 / 2030	6336 / 1347	2.312	1.804
31.00	6406 / 801	6407 / 118	2.595	1.932
31.10	6476 / 1620	6477 / 937	3.544	2.236

31.20	6547 / 391	6547 / 1756	2.806	2
31.30	6617 / 1210	6618 / 527	3.825	2.24
31.40	6687 / 2029	6688 / 1346	3.564	2.25
31.50	6758 / 800	6759 / 117	3.689	2.242
31.60	6828 / 1619	6829 / 936	2.428	1.871
31.70	6899 / 390	6899 / 1755	3.188	2.216
31.80	6969 / 1209	6970 / 526	4.077	2.491
31.90	7039 / 2028	7040 / 1345	3.48	2.431
32.00	7110 / 799	7111 / 116	3.803	2.389
32.10	7180 / 1618	7181 / 935	3.819	2.421
32.20	7251 / 389	7251 / 1754	3.629	2.381
32.30	7321 / 1208	7322 / 525	3.842	2.419
32.40	7391 / 2027	7392 / 1344	2.618	2.182
32.50	7462 / 798	7463 / 115	3.693	2.413
32.60	7532 / 1617	7533 / 934	3.904	2.453
32.70	7603 / 388	7603 / 1753	3.859	2.482
32.80	7673 / 1207	7674 / 524	3.595	2.344
32.90	7743 / 2026	7744 / 1343	3.458	2.28
33.00	7814 / 797	7815 / 114	3.305	2.219
33.10	7884 / 1616	7885 / 933	3.163	2.252
33.20	7955 / 387	7955 / 1752	3.237	2.157
33.30	8025 / 1206	8026 / 523	3.204	2.12
33.40	8095 / 2025	8096 / 1342	3.2	2.261
33.50	8166 / 796	8167 / 113	3.143	2.096
33.60	8236 / 1615	8237 / 932	3.085	2.157
33.70	8307 / 386	8307 / 1751	3.002	2.161
33.80	8377 / 1205	8378 / 522	2.856	2.066
33.90	8447 / 2024	8448 / 1341	1.884	1.563
34.00	8518 / 795	8519 / 112	1.532	1.169
34.10	8588 / 1614	8589 / 931	3.054	2.133
34.20	8659 / 385	8659 / 1750	3.063	2.177
34.30	8729 / 1204	8730 / 521	3.039	2.157
34.40	8799 / 2023	8800 / 1340	3.09	2.245
34.50	8870 / 794	8871 / 111	2.997	2.319
34.60	8940 / 1613	8941 / 930	3.009	2.118
34.70	9011 / 384	9011 / 1749	2.98	2.169
34.80	9081 / 1203	9082 / 520	2.923	2.181
34.90	9151 / 2022	9152 / 1339	2.817	2.248
35.00	9222 / 793	9223 / 110	2.998	2.323
35.10	9292 / 1612	9293 / 929	2.908	2.217
35.20	9363 / 383	9363 / 1748	2.925	2.197
35.30	9433 / 1202	9434 / 519	3.02	2.137
35.40	9503 / 2021	9504 / 1338	2.829	2.069

35.50	9574 / 792	9575 / 109	3.002	2.135
35.60	9644 / 1611	9645 / 928	2.899	2.181
35.70	9715 / 382	9715 / 1747	2.92	2.217
35.80	9785 / 1201	9786 / 518	2.965	2.166
35.90	9855 / 2020	9856 / 1337	2.906	2.118
36.00	9926 / 791	9927 / 108	3.058	2.179
36.10	9996 / 1610	9997 / 927	2.915	2.139
36.20	10067 / 381	10067 / 1746	2.842	2.071
36.30	10137 / 1200	10138 / 517	2.393	1.768
36.40	10207 / 2019	10208 / 1336	2.241	1.81
36.50	10278 / 790	10279 / 107	2.13	1.793
36.60	10348 / 1609	10349 / 926	2.113	1.639
36.70	10419 / 380	10419 / 1745	2.098	1.673
36.80	10489 / 1199	10490 / 516	2.093	1.819
36.90	10559 / 2018	10560 / 1335	2.239	1.767
37.00	10630 / 789	10631 / 106	2.173	1.711
37.10	10700 / 1608	10701 / 925	2.185	1.639
37.20	10771 / 379	10771 / 1744	2.139	1.668
37.30	10841 / 1198	10842 / 515	2.091	1.577
37.40	10911 / 2017	10912 / 1334	2.177	1.663
37.50	10982 / 788	10983 / 105	2.077	1.654
37.60	11052 / 1607	11053 / 924	2.056	1.617
37.70	11123 / 378	11123 / 1743	1.971	1.58
37.80	11193 / 1197	11194 / 514	1.996	1.609
37.90	11263 / 2016	11264 / 1333	1.947	1.591
38.00	11334 / 787	11335 / 104	2.078	1.716
38.10	11404 / 1606	11405 / 923	2.046	1.65
38.20	11475 / 377	11475 / 1742	2.107	1.652
38.30	11545 / 1196	11546 / 513	2.043	1.622
38.40	11615 / 2015	11616 / 1332	1.96	1.631
38.50	11686 / 786	11687 / 103	2.1	1.631
38.60	11756 / 1605	11757 / 922	2.045	1.641
38.70	11827 / 376	11827 / 1741	2.13	1.629
38.80	11897 / 1195	11898 / 512	2.141	1.642
38.90	11967 / 2014	11968 / 1331	2.18	1.674
39.00	12038 / 785	12039 / 102	2.184	1.671
39.10	12108 / 1604	12109 / 921	2.107	1.687
39.20	12179 / 375	12179 / 1740	2.242	1.703
39.30	12249 / 1194	12250 / 511	2.067	1.643
39.40	12319 / 2013	12320 / 1330	2.225	1.701
39.50	12390 / 784	12391 / 101	1.984	1.66
39.60	12460 / 1603	12461 / 920	2.125	1.719
39.70	12531 / 374	12531 / 1739	2.079	1.807

39.80	12601 / 1193	12602 / 510	2.051	1.83
39.90	12671 / 2012	12672 / 1329	2.06	1.728
40.00	12742 / 783	12743 / 100	2.192	1.732
40.10	12812 / 1602	12813 / 919	2.616	2.043
40.20	12883 / 373	12883 / 1738	2.525	2.093
40.30	12953 / 1192	12954 / 509	2.475	2.056
40.40	13023 / 2011	13024 / 1328	2.366	1.963
40.50	13094 / 782	13095 / 99	2.326	1.826
40.60	13164 / 1601	13165 / 918	2.375	1.817
40.70	13235 / 372	13235 / 1737	2.516	2.028
40.80	13305 / 1191	13306 / 508	2.551	2.059
40.90	13375 / 2010	13376 / 1327	2.502	1.992
41.00	13446 / 781	13447 / 98	2.355	1.811
41.10	13516 / 1600	13517 / 917	2.403	1.895
41.20	13587 / 371	13587 / 1736	2.401	1.803
41.30	13657 / 1190	13658 / 507	2.47	1.833
41.40	13727 / 2009	13728 / 1326	2.402	1.731
41.50	13798 / 780	13799 / 97	2.724	1.885
41.60	13868 / 1599	13869 / 916	2.761	1.966
41.70	13939 / 370	13939 / 1735	2.661	1.942
41.80	14009 / 1189	14010 / 506	2.514	2.006
41.90	14079 / 2008	14080 / 1325	2.586	2.037
42.00	14150 / 779	14151 / 96	2.63	2.01
42.10	14220 / 1598	14221 / 915	2.678	1.914
42.20	14291 / 369	14291 / 1734	2.682	1.938
42.30	14361 / 1188	14362 / 505	2.761	1.935
42.40	14431 / 2007	14432 / 1324	2.811	2.021
42.50	14502 / 778	14503 / 95	2.694	2.052
42.60	14572 / 1597	14573 / 914	2.707	1.92
42.70	14643 / 368	14643 / 1733	2.695	1.946
42.80	14713 / 1187	14714 / 504	2.681	1.941
42.90	14783 / 2006	14784 / 1323	2.431	1.848
43.00	14854 / 777	14855 / 94	2.301	1.817
43.10	14924 / 1596	14925 / 913	2.789	2.004
43.20	14995 / 367	14995 / 1732	2.885	2.022
43.30	15065 / 1186	15066 / 503	2.862	2.05
43.40	15135 / 2005	15136 / 1322	2.694	2.049
43.50	15206 / 776	15207 / 93	2.865	2.065
43.60	15276 / 1595	15277 / 912	2.939	2.019
43.70	15347 / 366	15347 / 1731	2.976	2.146
43.80	15417 / 1185	15418 / 502	2.758	2.039
43.90	15487 / 2004	15488 / 1321	2.746	2.09
44.00	15558 / 775	15559 / 92	2.616	2.094

44.10	15628 / 1594	15629 / 911	2.7	1.963
44.20	15699 / 365	15699 / 1730	2.766	2.073
44.30	15769 / 1184	15770 / 501	2.823	2.523
44.40	15839 / 2003	15840 / 1320	2.21	2.267
44.50	15910 / 774	15911 / 91	2.152	2.096
44.60	15980 / 1593	15981 / 910	2.13	2.041
44.70	16051 / 364	16051 / 1729	2.039	2.075
44.80	16121 / 1183	16122 / 500	2.167	2.011
44.90	16191 / 2002	16192 / 1319	2.023	1.799
45.00	16262 / 773	16263 / 90	1.966	2.699
45.10	16332 / 1592	16333 / 909	1.864	3.468
45.20	16403 / 363	16403 / 1728	2.159	1.718
45.30	16473 / 1182	16474 / 499	2.137	1.781
45.40	16543 / 2001	16544 / 1318	4.275	2.097
45.50	16614 / 772	16615 / 89	2.847	2.164
45.60	16684 / 1591	16685 / 908	2.642	1.818
45.70	16755 / 362	16755 / 1727	3.179	1.823
45.80	16825 / 1181	16826 / 498	7.135	4.954
45.90	16895 / 2000	16896 / 1317	2.05	1.876
46.00	16966 / 771	16967 / 88	2.495	1.987
46.10	17036 / 1590	17037 / 907	2.539	1.914
46.20	17107 / 361	17107 / 1726	2.438	1.962
46.30	17177 / 1180	17178 / 497	2.475	1.895
46.40	17247 / 1999	17248 / 1316	2.342	1.938
46.50	17318 / 770	17319 / 87	2.275	2.011
46.60	17388 / 1589	17389 / 906	2.272	1.805
46.70	17459 / 360	17459 / 1725	2.349	1.903
46.80	17529 / 1179	17530 / 496	2.361	1.866
46.90	17599 / 1998	17600 / 1315	2.296	1.854
47.00	17670 / 769	17671 / 86	2.225	2.037
47.10	17740 / 1588	17741 / 905	2.409	1.822
47.20	17811 / 359	17811 / 1724	2.038	1.719
47.30	17881 / 1178	17882 / 495	2.787	2.057
47.40	17951 / 1997	17952 / 1314	2.446	1.941
47.50	18022 / 768	18023 / 85	2.537	2.108
47.60	18092 / 1587	18093 / 904	2.634	1.868
47.70	18163 / 358	18163 / 1723	2.638	2.092
47.80	18233 / 1177	18234 / 494	2.663	2.475
47.90	18303 / 1996	18304 / 1313	2.011	1.66
48.00	18374 / 767	18375 / 84	1.892	1.797
48.10	18444 / 1586	18445 / 903	1.973	1.823
48.20	18515 / 357	18515 / 1722	1.884	1.654
48.30	18585 / 1176	18586 / 493	2.532	2.069

48.40	18655 / 1995	18656 / 1312	2.679	2.139
48.50	18726 / 766	18727 / 83	2.207	1.752
48.60	18796 / 1585	18797 / 902	2.017	1.689
48.70	18867 / 356	18867 / 1721	2.164	1.813
48.80	18937 / 1175	18938 / 492	2.044	1.755
48.90	19007 / 1994	19008 / 1311	2.112	1.889
49.00	19078 / 765	19079 / 82	2.202	1.811
49.10	19148 / 1584	19149 / 901	2.072	1.714
49.20	19219 / 355	19219 / 1720	2.594	2.726
49.30	19289 / 1174	19290 / 491	2.465	1.904
49.40	19359 / 1993	19360 / 1310	2.385	1.972
49.50	19430 / 764	19431 / 81	2.288	1.847
49.60	19500 / 1583	19501 / 900	2.286	1.876
49.70	19571 / 354	19571 / 1719	2.366	2.093
49.80	19641 / 1173	19642 / 490	2.28	1.865
49.90	19711 / 1992	19712 / 1309	2.268	1.839
50.00	19782 / 763	19783 / 80	2.349	1.932
50.10	19852 / 1582	19853 / 899	2.291	1.978
50.20	19923 / 353	19923 / 1718	2.455	2.004
50.30	19993 / 1172	19994 / 489	2.304	1.908
50.40	20063 / 1991	20064 / 1308	2.327	1.852
50.50	20134 / 762	20135 / 79	2.208	1.914
50.60	20204 / 1581	20205 / 898	2.056	1.886
50.70	20275 / 352	20275 / 1717	2.193	1.883
50.80	20345 / 1171	20346 / 488	2.281	1.68
50.90	20415 / 1990	20416 / 1307	2.777	1.935
51.00	20486 / 761	20487 / 78	2.577	2.063
51.10	20556 / 1580	20557 / 897	2.467	1.849
51.20	20627 / 351	20627 / 1716	3.163	2.581
51.30	20697 / 1170	20698 / 487	2.601	1.926
51.40	20767 / 1989	20768 / 1306	2.578	1.845
51.50	20838 / 760	20839 / 77	2.676	1.959
51.60	20908 / 1579	20909 / 896	2.51	1.959
51.70	20979 / 350	20979 / 1715	2.588	2.036
51.80	21049 / 1169	21050 / 486	2.733	1.959
51.90	21119 / 1988	21120 / 1305	2.598	1.829
52.00	21190 / 759	21191 / 76	2.586	1.926
52.10	21260 / 1578	21261 / 895	2.594	1.8
52.20	21331 / 349	21331 / 1714	2.552	1.86
52.30	21401 / 1168	21402 / 485	2.31	1.777
52.40	21471 / 1987	21472 / 1304	2.62	1.837
52.50	21542 / 758	21543 / 75	2.745	1.995
52.60	21612 / 1577	21613 / 894	1.621	1.14

52.70	21683 / 348	21683 / 1713	3.136	2.164
52.80	21753 / 1167	21754 / 484	2.957	2.146
52.90	21823 / 1986	21824 / 1303	2.595	1.868
53.00	21894 / 757	21895 / 74	2.574	2.036
53.10	21964 / 1576	21965 / 893	2.897	2.472
53.20	22035 / 347	22035 / 1712	2.595	2.158
53.30	22105 / 1166	22106 / 483	2.531	2.154
53.40	22175 / 1985	22176 / 1302	2.325	1.875
53.50	22246 / 756	22247 / 73	2.524	1.83
53.60	22316 / 1575	22317 / 892	2.452	1.728
53.70	22387 / 346	22387 / 1711	2.59	2.04
53.80	22457 / 1165	22458 / 482	2.537	2.133
53.90	22527 / 1984	22528 / 1301	2.436	1.989
54.00	22598 / 755	22599 / 72	2.505	2.011
54.10	22668 / 1574	22669 / 891	2.332	1.818
54.20	22739 / 345	22739 / 1710	3.383	2.349
54.30	22809 / 1164	22810 / 481	2.94	1.978
54.40	22879 / 1983	22880 / 1300	2.976	2.215
54.50	22950 / 754	22951 / 71	2.775	2.142
54.60	23020 / 1573	23021 / 890	2.79	1.949
54.70	23091 / 344	23091 / 1709	2.935	2.383
54.80	23161 / 1163	23162 / 480	2.972	2.025
54.90	23231 / 1982	23232 / 1299	2.971	2.373
55.00	23302 / 753	23303 / 70	2.679	1.875
55.10	23372 / 1572	23373 / 889	2.784	2.219
55.20	23443 / 343	23443 / 1708	1.967	1.13
55.30	23513 / 1162	23514 / 479	2.774	2.172
55.40	23583 / 1981	23584 / 1298	2.565	2.167
55.50	23654 / 752	23655 / 69	2.622	2.463
55.60	23724 / 1571	23725 / 888	2.988	2.467
55.70	23795 / 342	23795 / 1707	2.671	2.171
55.80	23865 / 1161	23866 / 478	2.704	2.076
55.90	23935 / 1980	23936 / 1297	2.61	2.121
56.00	24006 / 751	24007 / 68	2.839	2.125
56.10	24076 / 1570	24077 / 887	2.616	1.861
56.20	24147 / 341	24147 / 1706	2.89	2.137
56.30	24217 / 1160	24218 / 477	2.535	2.039
56.40	24287 / 1979	24288 / 1296	2.459	2.127
56.50	24358 / 750	24359 / 67	2.239	2.004
56.60	24428 / 1569	24429 / 886	2.707	2.087
56.70	24499 / 340	24499 / 1705	2.746	2.064
56.80	24569 / 1159	24570 / 476	2.675	1.972
56.90	24639 / 1978	24640 / 1295	2.557	1.887

57.00	24710 / 749	24711 / 66	2.331	1.871
57.10	24780 / 1568	24781 / 885	2.593	2.014
57.20	24851 / 339	24851 / 1704	2.744	2.22
57.30	24921 / 1158	24922 / 475	2.886	2.049
57.40	24991 / 1977	24992 / 1294	2.69	2.001
57.50	25062 / 748	25063 / 65	2.693	2.046
57.60	25132 / 1567	25133 / 884	2.495	1.905
57.70	25203 / 338	25203 / 1703	2.774	2.01
57.80	25273 / 1157	25274 / 474	2.848	2.437
57.90	25343 / 1976	25344 / 1293	2.655	2.083
58.00	25414 / 747	25415 / 64	2.579	1.969
58.10	25484 / 1566	25485 / 883	2.64	2.221
58.20	25555 / 337	25555 / 1702	2.422	1.817
58.30	25625 / 1156	25626 / 473	2.279	1.823
58.40	25695 / 1975	25696 / 1292	2.334	1.845
58.50	25766 / 746	25767 / 63	2.374	1.824
58.60	25836 / 1565	25837 / 882	2.319	2.127
58.70	25907 / 336	25907 / 1701	2.566	2.252
58.80	25977 / 1155	25978 / 472	2.392	2.079
58.90	26047 / 1974	26048 / 1291	2.56	1.98
59.00	26118 / 745	26119 / 62	2.553	2.057
59.10	26188 / 1564	26189 / 881	2.402	1.97
59.20	26259 / 335	26259 / 1700	2.784	1.897
59.30	26329 / 1154	26330 / 471	2.486	2.126
59.40	26399 / 1973	26400 / 1290	2.708	2.025
59.50	26470 / 744	26471 / 61	2.68	1.924
59.60	26540 / 1563	26541 / 880	2.616	1.878
59.70	26611 / 334	26611 / 1699	2.624	2.056
59.80	26681 / 1153	26682 / 470	2.551	2.086
59.90	26751 / 1972	26752 / 1289	2.753	2.059
60.00	26822 / 743	26823 / 60	2.571	2.111
60.10	26892 / 1562	26893 / 879	2.628	2.211
60.20	26963 / 333	26963 / 1698	2.74	2.309
60.30	27033 / 1152	27034 / 469	2.855	2.117
60.40	27103 / 1971	27104 / 1288	2.817	2.53
60.50	27174 / 742	27175 / 59	2.678	2.102
60.60	27244 / 1561	27245 / 878	2.741	1.997
60.70	27315 / 332	27315 / 1697	2.298	1.912
60.80	27385 / 1151	27386 / 468	2.373	2.007
60.90	27455 / 1970	27456 / 1287	2.384	1.87
61.00	27526 / 741	27527 / 58	2.352	1.9
61.10	27596 / 1560	27597 / 877	2.07	1.975
61.20	27667 / 331	27667 / 1696	2.089	1.876

61.30	27737 / 1150	27738 / 467	2.408	2.167
61.40	27807 / 1969	27808 / 1286	2.049	1.894
61.50	27878 / 740	27879 / 57	2.339	2.179
61.60	27948 / 1559	27949 / 876	1.983	2.073
61.70	28019 / 330	28019 / 1695	2.32	2.12
61.80	28089 / 1149	28090 / 466	2.396	1.931
61.90	28159 / 1968	28160 / 1285	2.458	1.933
62.00	28230 / 739	28231 / 56	3.026	2.405
62.10	28300 / 1558	28301 / 875	2.715	2.041
62.20	28371 / 329	28371 / 1694	1.743	1.598
62.30	28441 / 1148	28442 / 465	3.269	2.339
62.40	28511 / 1967	28512 / 1284	2.453	1.931
62.50	28582 / 738	28583 / 55	2.223	1.76
62.60	28652 / 1557	28653 / 874	2.073	1.792
62.70	28723 / 328	28723 / 1693	2.81	2.285
62.80	28793 / 1147	28794 / 464	2.764	2.206
62.90	28863 / 1966	28864 / 1283	3.324	2.889
63.00	28934 / 737	28935 / 54	2.823	2.279
63.10	29004 / 1556	29005 / 873	2.687	2.228
63.20	29075 / 327	29075 / 1692	2.467	2.088
63.30	29145 / 1146	29146 / 463	2.095	1.95
63.40	29215 / 1965	29216 / 1282	2.128	1.693
63.50	29286 / 736	29287 / 53	2.033	1.783
63.60	29356 / 1555	29357 / 872	2.276	1.716
63.70	29427 / 326	29427 / 1691	2.501	1.772
63.80	29497 / 1145	29498 / 462	1.988	1.964
63.90	29567 / 1964	29568 / 1281	2.203	1.772
64.00	29638 / 735	29639 / 52	2.429	1.647
64.10	29708 / 1554	29709 / 871	2.344	1.722
64.20	29779 / 325	29779 / 1690	2.584	1.787
64.30	29849 / 1144	29850 / 461	2.579	1.896
64.40	29919 / 1963	29920 / 1280	2.345	2.066
64.50	29990 / 734	29991 / 51	2.529	2.068
64.60	30060 / 1553	30061 / 870	2.807	2.533
64.70	30131 / 324	30131 / 1689	2.509	2.012
64.80	30201 / 1143	30202 / 460	2.715	2.478
64.90	30271 / 1962	30272 / 1279	2.85	2.358
65.00	30342 / 733	30343 / 50	1.777	1.657
65.10	30412 / 1552	30413 / 869	2.101	1.786
65.20	30483 / 323	30483 / 1688	2.118	1.727
65.30	30553 / 1142	30554 / 459	2.139	1.826
65.40	30623 / 1961	30624 / 1278	2.17	1.712
65.50	30694 / 732	30695 / 49	2.071	1.679

65.60	30764 / 1551	30765 / 868	2.082	1.764
65.70	30835 / 322	30835 / 1687	2.071	1.684
65.80	30905 / 1141	30906 / 458	2.327	1.848
65.90	30975 / 1960	30976 / 1277	2.466	1.904
66.00	31046 / 731	31047 / 48	2.166	1.818
66.10	31116 / 1550	31117 / 867	2.923	1.999
66.20	31187 / 321	31187 / 1686	3.943	2.013
66.30	31257 / 1140	31258 / 457	2.552	1.833
66.40	31327 / 1959	31328 / 1276	2.521	1.961
66.50	31398 / 730	31399 / 47	2.982	2.306
66.60	31468 / 1549	31469 / 866	2.679	2.173
66.70	31539 / 320	31539 / 1685	2.787	2.076
66.80	31609 / 1139	31610 / 456	2.573	2.1
66.90	31679 / 1958	31680 / 1275	2.934	2.193
67.00	31750 / 729	31751 / 46	3.196	2.209
67.10	31820 / 1548	31821 / 865	2.902	2.11
67.20	31891 / 319	31891 / 1684	3.113	2.243
67.30	31961 / 1138	31962 / 455	2.984	2.026
67.40	32031 / 1957	32032 / 1274	3.115	2.259
67.50	32102 / 728	32103 / 45	3.298	2.204
67.60	32172 / 1547	32173 / 864	3.046	2.054
67.70	32243 / 318	32243 / 1683	3.013	2.071
67.80	32313 / 1137	32314 / 454	3.022	2.156
67.90	32383 / 1956	32384 / 1273	3.296	2.181
68.00	32454 / 727	32455 / 44	2.873	2.144
68.10	32524 / 1546	32525 / 863	2.489	1.817
68.20	32595 / 317	32595 / 1682	2.376	1.825
68.30	32665 / 1136	32666 / 453	2.385	1.779
68.40	32735 / 1955	32736 / 1272	2.026	1.686
68.50	32806 / 726	32807 / 43	2.404	1.883
68.60	32876 / 1545	32877 / 862	2.58	1.947
68.70	32947 / 316	32947 / 1681	2.494	2.054
68.80	33017 / 1135	33018 / 452	2.58	1.964
68.90	33087 / 1954	33088 / 1271	2.488	1.863
69.00	33158 / 725	33159 / 42	2.518	1.906
69.10	33228 / 1544	33229 / 861	2.482	1.954
69.20	33299 / 315	33299 / 1680	3.134	2.404
69.30	33369 / 1134	33370 / 451	2.857	2.07
69.40	33439 / 1953	33440 / 1270	2.596	2.04
69.50	33510 / 724	33511 / 41	2.821	2.165
69.60	33580 / 1543	33581 / 860	2.308	1.817
69.70	33651 / 314	33651 / 1679	2.55	1.997
69.80	33721 / 1133	33722 / 450	2.666	2.202

69.90	33791 / 1952	33792 / 1269	2.341	1.973
70.00	33862 / 723	33863 / 40	2.622	1.873
70.10	33932 / 1542	33933 / 859	2.608	2.021
70.20	34003 / 313	34003 / 1678	2.788	2.074
70.30	34073 / 1132	34074 / 449	2.83	2.103
70.40	34143 / 1951	34144 / 1268	2.874	2.182
70.50	34214 / 722	34215 / 39	2.644	2.157
70.60	34284 / 1541	34285 / 858	2.816	2.109
70.70	34355 / 312	34355 / 1677	2.965	2.086
70.80	34425 / 1131	34426 / 448	3.183	2.097
70.90	34495 / 1950	34496 / 1267	2.643	2.021
71.00	34566 / 721	34567 / 38	2.674	1.81
71.10	34636 / 1540	34637 / 857	2.774	1.989
71.20	34707 / 311	34707 / 1676	2.867	4.996
71.30	34777 / 1130	34778 / 447	2.615	2.103
71.40	34847 / 1949	34848 / 1266	2.733	2.154
71.50	34918 / 720	34919 / 37	4.671	2.134
71.60	34988 / 1539	34989 / 856	2.848	2.015
71.70	35059 / 310	35059 / 1675	2.33	2.064
71.80	35129 / 1129	35130 / 446	2.669	2.111
71.90	35199 / 1948	35200 / 1265	2.512	2.007
72.00	35270 / 719	35271 / 36	2.65	4.449
72.10	35340 / 1538	35341 / 855	2.612	2.141
72.20	35411 / 309	35411 / 1674	2.459	1.97
72.30	35481 / 1128	35482 / 445	2.305	1.995
72.40	35551 / 1947	35552 / 1264	2.515	2.204
72.50	35622 / 718	35623 / 35	2.504	2.189
72.60	35692 / 1537	35693 / 854	3.185	2.043
72.70	35763 / 308	35763 / 1673	3.077	2.192
72.80	35833 / 1127	35834 / 444	3.026	2.076
72.90	35903 / 1946	35904 / 1263	2.676	2.08
73.00	35974 / 717	35975 / 34	3.019	2.089
73.10	36044 / 1536	36045 / 853	2.755	2.144
73.20	36115 / 307	36115 / 1672	2.937	2.014
73.30	36185 / 1126	36186 / 443	2.585	3.942
73.40	36255 / 1945	36256 / 1262	2.917	2.079
73.50	36326 / 716	36327 / 33	2.522	2.056
73.60	36396 / 1535	36397 / 852	3.603	2.885
73.70	36467 / 306	36467 / 1671	3.793	2.41
73.80	36537 / 1125	36538 / 442	3.19	2.515
73.90	36607 / 1944	36608 / 1261	3.37	2.874
74.00	36678 / 715	36679 / 32	3.545	2.275
74.10	36748 / 1534	36749 / 851	3.361	2.365

74.20	36819 / 305	36819 / 1670	3.328	3.394
74.30	36889 / 1124	36890 / 441	3.189	2.492
74.40	36959 / 1943	36960 / 1260	3.569	2.409
74.50	37030 / 714	37031 / 31	2.165	1.49
74.60	37100 / 1533	37101 / 850	3.368	2.149
74.70	37171 / 304	37171 / 1669	3.319	2.39
74.80	37241 / 1123	37242 / 440	2.988	2.255
74.90	37311 / 1942	37312 / 1259	2.762	1.971
75.00	37382 / 713	37383 / 30	2.833	2.239
75.10	37452 / 1532	37453 / 849	2.845	2.483
75.20	37523 / 303	37523 / 1668	2.938	2.215
75.30	37593 / 1122	37594 / 439	3.404	2.519
75.40	37663 / 1941	37664 / 1258	2.641	2.243
75.50	37734 / 712	37735 / 29	2.748	2.119
75.60	37804 / 1531	37805 / 848	2.701	2.334
75.70	37875 / 302	37875 / 1667	2.82	2.11
75.80	37945 / 1121	37946 / 438	2.677	2.183
75.90	38015 / 1940	38016 / 1257	2.924	2.303
76.00	38086 / 711	38087 / 28	2.785	2.284
76.10	38156 / 1530	38157 / 847	2.718	2.103
76.20	38227 / 301	38227 / 1666	2.627	2.176
76.30	38297 / 1120	38298 / 437	2.642	2.058
76.40	38367 / 1939	38368 / 1256	4.307	2.092
76.50	38438 / 710	38439 / 27	2.881	1.983
76.60	38508 / 1529	38509 / 846	3.031	2.105
76.70	38579 / 300	38579 / 1665	2.994	2.183
76.80	38649 / 1119	38650 / 436	2.951	2.304
76.90	38719 / 1938	38720 / 1255	2.722	2.149
77.00	38790 / 709	38791 / 26	3.112	2.356
77.10	38860 / 1528	38861 / 845	3.08	2.298
77.20	38931 / 299	38931 / 1664	2.866	2.308
77.30	39001 / 1118	39002 / 435	2.984	2.306
77.40	39071 / 1937	39072 / 1254	2.648	2.225
77.50	39142 / 708	39143 / 25	2.943	2.164
77.60	39212 / 1527	39213 / 844	2.929	2.195
77.70	39283 / 298	39283 / 1663	2.851	2.499
77.80	39353 / 1117	39354 / 434	2.883	2.195
77.90	39423 / 1936	39424 / 1253	2.542	1.796
78.00	39494 / 707	39495 / 24	2.829	2.141
78.10	39564 / 1526	39565 / 843	3.008	2.087
78.20	39635 / 297	39635 / 1662	2.755	1.962
78.30	39705 / 1116	39706 / 433	2.879	2.208
78.40	39775 / 1935	39776 / 1252	2.654	2.058

78.50	39846 / 706	39847 / 23	2.892	2.208
78.60	39916 / 1525	39917 / 842	2.836	2.129
78.70	39987 / 296	39987 / 1661	3.063	2.106
78.80	40057 / 1115	40058 / 432	3.103	2.278
78.90	40127 / 1934	40128 / 1251	2.9	1.998
79.00	40198 / 705	40199 / 22	2.377	1.907
79.10	40268 / 1524	40269 / 841	2.83	1.807
79.20	40339 / 295	40339 / 1660	2.372	1.886
79.30	40409 / 1114	40410 / 431	2.156	1.925
79.40	40479 / 1933	40480 / 1250	2.314	1.926
79.50	40550 / 704	40551 / 21	2.313	1.787
79.60	40620 / 1523	40621 / 840	2.307	2.016
79.70	40691 / 294	40691 / 1659	2.329	1.922
79.80	40761 / 1113	40762 / 430	2.518	1.953
79.90	40831 / 1932	40832 / 1249	2.286	1.996
80.00	40902 / 703	40903 / 20	2.277	2.357
80.10	40972 / 1522	40973 / 839	2.323	1.871
80.20	41043 / 293	41043 / 1658	2.896	2.239
80.30	41113 / 1112	41114 / 429	3.009	2.312
80.40	41183 / 1931	41184 / 1248	3.38	2.313
80.50	41254 / 702	41255 / 19	3.28	2.49
80.60	41324 / 1521	41325 / 838	3.314	2.214
80.70	41395 / 292	41395 / 1657	3.301	2.304
80.80	41465 / 1111	41466 / 428	3.289	2.238
80.90	41535 / 1930	41536 / 1247	3.141	2.268
81.00	41606 / 701	41607 / 18	3.428	2.416
81.10	41676 / 1520	41677 / 837	3.33	2.241
81.20	41747 / 291	41747 / 1656	2.953	2.144
81.30	41817 / 1110	41818 / 427	3.129	2.112
81.40	41887 / 1929	41888 / 1246	2.759	2.192
81.50	41958 / 700	41959 / 17	2.95	1.971
81.60	42028 / 1519	42029 / 836	3.118	2.138
81.70	42099 / 290	42099 / 1655	2.98	2.131
81.80	42169 / 1109	42170 / 426	3.061	2.129
81.90	42239 / 1928	42240 / 1245	2.678	2.062
82.00	42310 / 699	42311 / 16	3.057	2.232
82.10	42380 / 1518	42381 / 835	2.692	2.003
82.20	42451 / 289	42451 / 1654	2.884	1.855
82.30	42521 / 1108	42522 / 425	3.029	2.275
82.40	42591 / 1927	42592 / 1244	3.08	2.195
82.50	42662 / 698	42663 / 15	3.177	2.112
82.60	42732 / 1517	42733 / 834	2.898	2.168
82.70	42803 / 288	42803 / 1653	2.901	1.973

82.80	42873 / 1107	42874 / 424	2.937	2.319
82.90	42943 / 1926	42944 / 1243	2.893	2.002
83.00	43014 / 697	43015 / 14	2.809	1.887
83.10	43084 / 1516	43085 / 833	2.792	1.907
83.20	43155 / 287	43155 / 1652	2.707	1.936
83.30	43225 / 1106	43226 / 423	2.554	2.007
83.40	43295 / 1925	43296 / 1242	2.492	1.858
83.50	43366 / 696	43367 / 13	1.826	1.613
83.60	43436 / 1515	43437 / 832	1.933	1.72
83.70	43507 / 286	43507 / 1651	2.027	1.711
83.80	43577 / 1105	43578 / 422	1.931	1.749
83.90	43647 / 1924	43648 / 1241	1.932	1.707
84.00	43718 / 695	43719 / 12	2.622	1.708
84.10	43788 / 1514	43789 / 831	1.916	1.621
84.20	43859 / 285	43859 / 1650	1.947	1.634
84.30	43929 / 1104	43930 / 421	1.87	1.526
84.40	43999 / 1923	44000 / 1240	1.954	1.658
84.50	44070 / 694	44071 / 11	1.963	1.651
84.60	44140 / 1513	44141 / 830	1.91	1.682
84.70	44211 / 284	44211 / 1649	2.069	1.714
84.80	44281 / 1103	44282 / 420	1.969	1.718
84.90	44351 / 1922	44352 / 1239	1.994	1.661
85.00	44422 / 693	44423 / 10	2.036	1.701
85.10	44492 / 1512	44493 / 829	1.958	1.718
85.20	44563 / 283	44563 / 1648	2.029	1.764
85.30	44633 / 1102	44634 / 419	2.03	1.688
85.40	44703 / 1921	44704 / 1238	3.031	2.138
85.50	44774 / 692	44775 / 9	2.643	1.903
85.60	44844 / 1511	44845 / 828	2.884	2.183
85.70	44915 / 282	44915 / 1647	2.816	1.97
85.80	44985 / 1101	44986 / 418	2.761	2.034
85.90	45055 / 1920	45056 / 1237	2.577	2.607
86.00	45126 / 691	45127 / 8	2.638	2.162
86.10	45196 / 1510	45197 / 827	2.675	2.089
86.20	45267 / 281	45267 / 1646	2.671	2.062
86.30	45337 / 1100	45338 / 417	2.264	2.087
86.40	45407 / 1919	45408 / 1236	2.741	2.395
86.50	45478 / 690	45479 / 7	2.871	2.292
86.60	45548 / 1509	45549 / 826	3.076	2.136
86.70	45619 / 280	45619 / 1645	3.027	2.192
86.80	45689 / 1099	45690 / 416	2.214	1.678
86.90	45759 / 1918	45760 / 1235	3.5	2.279
87.00	45830 / 689	45831 / 6	3.392	2.356

87.10	45900 / 1508	45901 / 825	3.486	2.413
87.20	45971 / 279	45971 / 1644	3.069	2.279
87.30	46041 / 1098	46042 / 415	3.105	2.291
87.40	46111 / 1917	46112 / 1234	3.108	2.286
87.50	46182 / 688	46183 / 5	3.314	2.442
87.60	46252 / 1507	46253 / 824	3.485	2.384
87.70	46323 / 278	46323 / 1643	2.249	2.092
87.80	46393 / 1097	46394 / 414	3.61	2.363
87.90	46463 / 1916	46464 / 1233	3.156	2.347
88.00	46534 / 687	46535 / 4	3.364	2.403
88.10	46604 / 1506	46605 / 823	3.427	2.161
88.20	46675 / 277	46675 / 1642	3.517	2.325
88.30	46745 / 1096	46746 / 413	3.434	2.377
88.40	46815 / 1915	46816 / 1232	3.536	2.346
88.50	46886 / 686	46887 / 3	3.616	2.304
88.60	46956 / 1505	46957 / 822	3.643	2.462
88.70	47027 / 276	47027 / 1641	3.617	2.193
88.80	47097 / 1095	47098 / 412	3.416	2.257
88.90	47167 / 1914	47168 / 1231	3.411	2.167
89.00	47238 / 685	47239 / 2	3.556	2.387
89.10	47308 / 1504	47309 / 821	3.608	2.33
89.20	47379 / 275	47379 / 1640	3.976	2.443
89.30	47449 / 1094	47450 / 411	3.724	2.298
89.40	47519 / 1913	47520 / 1230	3.642	2.434
89.50	47590 / 684	47591 / 1	3.218	2.285
89.60	47660 / 1503	47661 / 820	3.859	2.312
89.70	47731 / 274	47731 / 1639	3.98	2.501
89.80	47801 / 1093	47802 / 410	3.874	2.59
89.90	47871 / 1912	47872 / 1229	3.449	2.253
90.00	47942 / 683	47943 / 0	3.35	2.292
90.10	48012 / 1502	48013 / 819	3.297	2.511
90.20	48083 / 273	48083 / 1638	3.609	2.452
90.30	48153 / 1092	48154 / 409	3.327	2.233
90.40	48223 / 1911	48224 / 1228	3.29	2.234
90.50	48294 / 682	48294 / 2047	3.435	2.293
90.60	48364 / 1501	48365 / 818	3.71	2.468
90.70	48435 / 272	48435 / 1637	3.52	2.453
90.80	48505 / 1091	48506 / 408	3.509	2.375
90.90	48575 / 1910	48576 / 1227	3.358	2.287
91.00	48646 / 681	48646 / 2046	3.383	2.426
91.10	48716 / 1500	48717 / 817	3.222	2.189
91.20	48787 / 271	48787 / 1636	3.197	2.238
91.30	48857 / 1090	48858 / 407	3.551	2.477

91.40	48927 / 1909	48928 / 1226	2.581	2.244
91.50	48998 / 680	48998 / 2045	3.244	2.433
91.60	49068 / 1499	49069 / 816	2.766	2.241
91.70	49139 / 270	49139 / 1635	2.718	2.164
91.80	49209 / 1089	49210 / 406	2.596	2.22