



Navigation Systems Research Program

# Inland Marine Transportation System Travel Time Atlas via Automatic Identification System (AIS) Data

Ohio River, Upper Mississippi River, and Illinois River

Patricia DiJoseph, Kenneth Ned Mitchell, Brian J. Tetreault, and Jonathan Marshall

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# Inland Marine Transportation System Travel Time Atlas via Automatic Identification System (AIS) Data

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## **Abstract**

The United States Army Corps of Engineers needs quantitative and statistically robust metrics to evaluate the performance of Navigation projects. In addition, voyage planning for waterway stakeholders requires accurate travel time estimates for intermodal connectivity. This study develops an Inland Marine Transportation System (MTS) travel time atlas. This study presents results for the Ohio River, Upper Mississippi River, and the Illinois River for 2013 and 2014. The study develops a methodology that is flexible and scalable across space and time and so is applicable to additional inland waterways and for additional years of data. The methodology applies automatic identification system data, which includes the discrete, time-stamped locations of vessels through space and time. Results include estimated number of transits, 25th, 50th (median), and 75th percentile travel times, average and median travel times, and total travel time above baseline by direction of travel and by week, month and year. Applications of the MTS statistical profile include optimizing vessel transit departure times, establishing system performance baselines, locating system bottlenecks and areas with most critical needs, comparing performance pre- and post-operations and maintenance, analyzing effects of different variables (e.g., water level, vessel type, traffic volume) on travel time, and measuring resiliency.

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## **Preface**

This study was conducted for Headquarters, US Army Corps of Engineers (HQUSACE), under the Navigation Systems (NavSys) Research Program, Work Unit "Travel Time Atlas," administered by the US Army Engineer Research and Development Center (ERDC), Coastal and Hydraulics Laboratory (CHL), Navigation Division, Coastal Engineering Branch, under Project 476923, "Inland Marine Transportation System."

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At the time of publication of this technical report, Ms. Lauren M. Dunkin was Chief, Coastal Engineering Branch, CHL, and Dr. Jacqueline S. Pettway was Chief, Navigation Division, CHL. The Deputy Director of CHL was Mr. Jeffrey R. Eckstein, and the Director was Dr. Ty V. Wamsley.

COL Teresa A. Schlosser was the Commander of ERDC, and the Director was Dr. David W. Pittman.

## 1 Introduction

## 1.1 Background

The Marine Transportation System (MTS) is a crucial part of the nation's freight transport system. On it, commercial vessels transport over 890 million tons of domestic freight annually (Navigation and Civil Works Decision Support Center 2015).

The MTS has multiple decision makers and stakeholders. The US Army Corps of Engineers (USACE) is a major MTS decision maker as its navigation mission is to provide safe, reliable, efficient, and environmentally sustainable waterborne transportation systems (channels, harbors, and waterways) for movement of commerce, national security needs, and recreation. Other MTS decision makers include port authorities and state, regional, and federal transportation, safety, and commerce agencies. MTS stakeholders include shippers, and vessel operators and owners, as well as the customers and owners of the goods being transported.

Travel time reliability is important for the nation's freight transport system as it aids system stakeholders in predicting travel times and in voyage planning, including optimizing departure times and achieving ontime arrivals. Travel time reliability is defined as the consistency or dependability in travel times, as measured from day to day and/or across different times of the day. Factors that affect reliability include allisions, work zones, weather, changes in water level, fluctuations in demand, traffic control devices such as locks, inadequate capacity, and other disruptive incidents (Lomax et al. 2003).

Travel time statistical profiles are needed for system decision makers to monitor for reliability and also pursue operations or maintenance actions that improve reliability at a systems level (List et al. 2014, Texas Transportation Institute 2006). Applications for decision makers include evaluating the state of the system, determining baseline measures, quantifying the effects of factors that affect reliability, quantifying impacts of operations or maintenance decisions, and measuring capacity and congestion. Waterway travel times are also a way to measure overall MTS performance (Kress et al. 2016).

Historically, there were limits on methods available to produce travel time statistical profiles. Previous methods included visually tracking vessels between locations (USACE 2015a), surveying vessel operators, or applying static estimates based on assumed vessel speed over a waterway (Xiong et al. 2007; Wang and Schonfeld 2005). This report describes new methods to produce travel time statistical profiles by analyzing data obtained through the Automatic Identification System (AIS).

## 1.2 River Information Services (RIS), e-navigation

RIS is defined as "harmonized information services to support traffic and transport management in inland navigation, including interfaces to other transport modes" (InCom Permanent Working Group 125 2011). RIS includes the following services:

- 1. Fairway Information Services
- 2. Traffic Information
- 3. Traffic Management
- 4. Calamity Abatement Support
- 5. Information for Transport Logistics
- 6. Information for Law Enforcement
- 7. Statistics
- 8. Waterway Charges and Harbor Dues

Information on vessel transit times is valuable in the provision of many of these services. For example, Traffic Information is used by lock operators to plan lock operations, such as lockage sequence for vessels and maintenance scheduling. In the event of an accident or waterway restriction, knowledge of vessel transit times will assist in predicting the impact of such events and help with developing mitigating strategies and evaluating their effectiveness against baseline travel time data.

## 1.3 Automatic Identification System (AIS)

AIS is a shipboard broadcast system designed originally for collision avoidance, but data obtained from AIS are now supporting efforts to provide a travel time statistical profile. AIS technical specifications are standardized by the International Telecommunication Union (2014) and adopted by the International Maritime Organization for vessel carriage requirements (InCom Permanent Working Group 125 2011). A shipboard AIS unit broadcasts in real time the vessel's identity, vessel type, position,

heading, course, and speed, among other information. These messages are detailed in Appendix A. Note: while most of this information is collected electronically by onboard equipment, some information (e.g., that which pertains to vessel characteristics and voyage) is manually entered and may contain errors or may be out of date. Vessel AIS position report transmissions are at discrete time intervals, every 2 to 10 seconds while a vessel is underway (depending on speed and rate of turn) and every 3 minutes (min) while at anchor. In the United States, AIS carry requirements are set by federal regulations in the US Code of Federal Regulations (33CFR164.46) (US Government Publishing Office 2018).

AIS messages broadcasted by vessels are received by other vessels and by landside receivers; however, there are limitations on how well a receiver can acquire the AIS data. AIS operates in the very high frequency (VHF) radio spectrum, and transmissions are generally limited to line-of-sight with transmission distance proportional to antenna height. Broadcasts are also affected by local terrain, other radio *noise*, and tropospheric conditions.

AIS is an open broadcast system, and the collection of AIS data is not restricted. AIS receivers are inexpensive (range in price from \$200 - \$500), and all that is needed is power, an antenna, and a data log. AIS data as received by AIS equipment are in a common format, NMEA 0183 (Natale et al. 2015), but is not decipherable in the native format without a conversion software. The NMEA 0183 standard provides information on the format; there are many open-source and commercial applications that can read and decode AIS data.

In the United States, the US Coast Guard (USCG) operates the Nationwide Automatic Identification System (NAIS) project, which, in conjunction with transceivers on the inland system maintained by the USACE, has approximately 200 VHF receiver sites located throughout the coastal continental United States, inland rivers, Alaska, Hawaii, and Guam. NAIS consists of an integrated system of AIS, data storage, processing, and networking infrastructure (USCG 2016).

Table 1 lists the dates on which the USACE installed AIS receivers at locations this report includes (i.e., Ohio River, Upper Mississippi River, and the Illinois Waterway). Note: the table is sorted by waterway and then by location name.

Table 1. AIS receivers online date; Illinois, Ohio, and Upper Mississippi Rivers (as of 2014).

Location Name	Waterway (Wwy) / River (R.)	Date AIS Receiver Online (yyyy-mm-dd)
Brandon Road Lock & Dam (L&D)	Illinois Wwy	2012-06-11
Dresden L&D	Illinois Wwy	2012-06-01
Lagrange L&D	Illinois Wwy	2012-04-18
Lockport Lock	Illinois Wwy	2012-05-01
Marseilles L&D	Illinois Wwy	2012-05-10
Peoria L&D	Illinois Wwy	2012-04-24
Starved Rock L&D	Illinois Wwy	2012-05-10
Thomas J. Obrien Lock	Illinois Wwy	2012-05-22
Belleville Locks	Ohio R.	2012-08-08
Cannelton L&D	Ohio R.	2010-11-15
Captain Anthony Meldahl Locks And Dam	Ohio R.	2013-11-21
Dashields L&D	Ohio R.	2012-03-21
Emsworth L&D	Ohio R.	2012-02-24
Greenup Locks	Ohio R.	2013-07-30
Hannibal L&D	Ohio R.	2013-08-22
John T. Myers L&D	Ohio R.	2013-06-04
L&D 52	Ohio R.	2013-06-06
Markland L&D	Ohio R.	2013-05-02
McAlpine L&D	Ohio R.	2013-05-29
Montgomery L&D	Ohio R.	2012-04-02
New Cumberland L&D	Ohio R.	2013-06-04
Newburgh L&D	Ohio R.	2013-05-02
Olmsted L&D	Ohio R.	2012-09-28
Pike Island L&D	Ohio R.	2013-12-03
Racine Locks	Ohio R.	2014-02-20
Robert C Byrd Locks	Ohio R.	2014-06-04
Smithland L&D	Ohio R.	2014-02-18
Willow Island L&D	Ohio R.	2012-08-07
Chain of Rocks L&D (Lock 27)	Upper Mississippi R.	2012-07-19

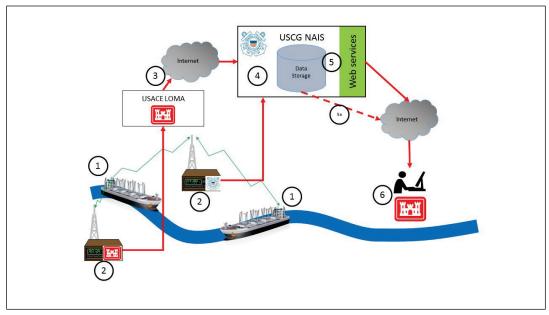
Location Name	Waterway (Wwy) / River (R.)	Date AIS Receiver Online (yyyy-mm-dd)
L&D 01	Upper Mississippi R.	2012-07-19
L&D 02	Upper Mississippi R.	2012-07-19
L&D 03	Upper Mississippi R.	2012-08-16
L&D 04	Upper Mississippi R.	2012-07-17
L&D 05	Upper Mississippi R.	2012-06-19
L&D 06	Upper Mississippi R.	2012-06-13
L&D 07	Upper Mississippi R.	2012-05-14
L&D 08	Upper Mississippi R.	2012-05-08
L&D 09	Upper Mississippi R.	2012-05-22
L&D 10	Upper Mississippi R.	2012-05-23
L&D 11	Upper Mississippi R.	2012-02-16
L&D 12	Upper Mississippi R.	2012-03-26
L&D 13	Upper Mississippi R.	2012-02-13
L&D 14	Upper Mississippi R.	2012-03-13
L&D 15	Upper Mississippi R.	2012-02-24
L&D 16	Upper Mississippi R.	2012-03-01
L&D 17	Upper Mississippi R.	2012-03-15
L&D 18	Upper Mississippi R.	2012-03-01
L&D 19	Upper Mississippi R.	2012-02-28
L&D 20	Upper Mississippi R.	2012-03-23
L&D 21	Upper Mississippi R.	2012-03-23
L&D 22	Upper Mississippi R.	2010-11-15
L&D 24	Upper Mississippi R.	2012-05-23
L&D 25	Upper Mississippi R.	2012-05-17
Melvin Price L&D	Upper Mississippi R.	2012-07-23
St. Anthony Falls - Upper Lock*	Upper Mississippi R.	2012-08-21

<sup>\*</sup> Unit has since been removed as the lock has been closed to navigation.

The USACE and other federal partners may access AIS data with direct requests to the USCG or with the Automatic Identification System Analysis Package (AISAP). AISAP can be used to analyze the AIS data for MTS usage, and travel time statistics and trends, to inform waterway operations

and maintenance decisions, and to aid vessel operators in voyage planning. Figure 1 illustrates the flow of AIS data from the perspective of USACE users.

Figure 1. AIS data flow as the vessel (1) broadcast AIS equipment receives the information (2) which is then captured by USACE (3) and delivered to the USCG NAIS (4) where the raw AIS data are decoded and published to web services (5) for the USACE to access (6).



The following steps describe the flow of AIS signal broadcasts diagrammed in Figure 1:

- 1. Vessels transmit their locations as they transit the waterways.
- 2. AIS equipment on shore operated by USACE or USCG receive this information.
- 3. The data captured by USACE equipment are routed to the USCG NAIS.
- 4. Data from USCG and USACE AIS equipment are archived by the USCG.
- 5. The raw AIS data are decoded and stored in a USCG database. USCG makes this data available as web services. The archived data are available for specific historical data requests.
- 6. USACE accesses the data via web service queries; it may then be analyzed for waterway statistics, which can be used for operations and maintenance decisions, and for voyage planning.

For non-USACE users, the USCG will also consider requests for data, in particular for use in research. There are also several commercial sources of AIS data available. Some offer decoding, analysis, and other value-added services that may be beneficial for certain projects.

## 1.4 Objective

The objective of this study is to develop a statistical profile of waterway travel times through analysis of AIS data. For this initial effort, the focus is on inland waterways with navigational locks. Specifically, this study developed profiles for the Ohio River, Upper Mississippi River, and Illinois River for the years 2013 and 2014. Results for remaining inland waterways will be published in future technical notes.

## 1.5 Approach

To reach this objective, this study compiled a set of tasks. They are as follows:

- Set the study objectives.
- Conduct a literature review of previous studies regarding AIS and travel time estimation from probe data, including for surface modes of transportation.
- Acquire AIS data for the study location and time period.
- Develop a methodology to estimate Origin-Destination (O-D) travel times from AIS data.
- Apply the methodology to case studies.
- Summarize the findings from the research, and suggest future applications of it.

This technical report presents the results of these tasks.

## 1.6 Report organization

The organization of the remainder of this technical report is as follows. Chapter 2 reviews literature. Chapter 3 presents a methodology to produce a travel time statistical profile. Chapters 4, 5, and 6 provide results from the Ohio River, Upper Mississippi River, and Illinois River, respectively. Finally, Chapter 7 contains conclusions from this study and recommendations for future research.

## 2 Literature Review

This investigation conducted a literature review to ascertain previous studies that support the research objective. However, as there have not been many studies on the specific topic of analyzing AIS data for travel times, studies on similar topics are included. Two particular topics are considered. The first is any other AIS applications that have been developed for waterways or navigation. The second is for methodologies developed and lessons learned from estimating travel times via vehicle data. Findings are elucidated in the following.

## 2.1 AIS applications

Previous studies have applied AIS data to support different aspects of navigation. Topics include environmental impacts, safety and security, and traffic patterns and travel times.

#### 2.1.1 Environmental impact

The impact of vessels on the environment has been analyzed with AIS data. Studies regarding potential harm to marine animals include quantifying the noise level of vessel traffic. This study, conducted off the coast of Massachusetts in a US National Marine Sanctuary, utilized AIS data to determine whether the number of transits by vessel type, and thus the level of transit noise, affected the ability of endangered whales to maintain acoustic contact (Hatch et al. 2008). Another study used AIS data to calculate the probability of lethal vessel strikes to North Atlantic right whales (Van Der Hoop et al. 2012).

AIS data have also been utilized in studies on vessel emissions; these include a study to produce an inventory of commercial marine vessel emissions in Texas waters (Perez et al. 2009), a study in the Madura Strait area that combined using AIS data to evaluate the marine traffic density and gross tonnage information from ship databases to estimate the ships' air pollution emissions (Ptana et al. 2010), a United Kingdom fishing fleet emissions study where the operating time for engines was calculated from AIS data (Coello et al. 2015), and an air pollution study of ocean going vessels in the coastal port area of Incheon, South Korea (Pokhrel and Lee 2015).

#### 2.1.2 Safety and security

AIS data have been used in projects seeking to increase the safety and security of waterways. In particular, collision avoidance has been studied. AIS was the source for navigational information used in an intelligent decision-making system that aims to improve the safety of marine vessels by avoiding collision situations in the ocean (Perera et al. 2011). Also, AIS data were employed to test the effectiveness of a proposed quantitative risk assessment model for evaluating the navigational risk of ship collisions in the Singapore Straight (Weng et al. 2014). In addition, AIS data were found to deliver useful supplementary information for collision avoidance (Felski et al. 2015). For waterway security, potential suspicious vessels were identified as those detected by space borne synthetic aperture radar data but not broadcasting via AIS (Mazzarella et al. 2015).

#### 2.1.3 Traffic patterns and travel times

Where, when, and what types of vessels are using the waterways have also been determined through AIS data. For example, a method was developed to analyze AIS data to identify maritime traffic routes, detect anomalies, and predict ship movements in European waters. AIS data from terrestrial and satellite sources were analyzed (Pallotta et al. 2013). In another study, AIS data were applied to characterize large (≥ 65-feet [ft]-long) vessel traffic, including density, speed, direction of travel, and vessel type, in the Chesapeake Bay (Barco et al. 2012).

The effect of different vessel and environmental characteristics on travel times have been studied: AIS data were used for quantifying the degree to which tidal considerations influence vessel transit times in navigation channels (Scully and Mitchell 2013; Mitchell and Scully 2014) and tidal analysis and vessel arrival patterns including week/hour clustering, interarrival time, and arrival frequency (Scully 2017); for analyzing the effects of river stages on travel times (Riley et al. 2015); and for understanding the relationship between number of barges, rows of barges, full or empty barges, and travel times (DiJoseph and Mitchell 2014).

## 2.2 Vehicle travel time prediction and estimation

Much research has been undertaken to develop methodologies to calculate vehicle travel times on roadways, and these may be applicable to

calculating vessel travel times as well. However, there are key differences between roadway and marine transportation that can affect how to estimate travel times. These differences include the absence of directional lanes on waterways, traffic volume, high variance in vessel travel times due to the lack of prescribed speed limits, and the effects of vessel type and cargo on speeds. An important consideration for travel time research in any transportation mode is the *path-vs.-link* methodologies and potential errors in the vehicle data, both of which are described in the next section of this report.

#### 2.2.1 Path-based vs. link-based travel time

Research has been conducted to compare the advantages and disadvantages of path-based versus link-based travel time. With the path-based method, travel times are calculated only from vessels that completed the entire study segment journey. For the link-based method, the study segment is divided into shorter links, and travel times are estimated for the individual links. Considerations of these methods from previous studies are described in the following.

A study by Chen and Chien (2001) compared path-based vs. link-based dynamic vehicle travel time prediction on roadways. There were two different link-based methods applied. The first was to add the average travel time of each link from the previous interval. The second was to apply progressive addition, which goes into the next time period until the path destination has been reached. It was found that the path-based travel time prediction methodology performed better than the link-based methodologies. The authors attributed the difference in the prediction performance to the variance of the probe reports; adding link travel times together propagates the variance of the total travel time of the path (Chen and Chien 2001).

Another study by DiJoseph (2013) looked specifically at incident conditions on roadways. This study found that increasing the number of links improved travel time prediction accuracy but that the marginal benefits to accuracy decreased as the number of links increased.

Other studies have focused on how to divide the path into links. One found that the benefit of optimizing link locations had a positive relationship with the volume of demand and the variability of the link travel time

(Sherali et al. 2006). Another identified roadway segments with high variances in travel time as locations to monitor traffic in real time (Mirchandani and He 2008). These previous efforts demonstrate that much consideration is needed when determining starting and ending points of transit travel times and will be applied in this study.

#### 2.2.2 Errors in the data source

Previous research has considered different methods to detect erroneous data points. One approach was to develop algorithms that were evaluated to detect travel time outliers from Global Positioning System probe data. Sources of outliers were identified as being sampling errors, sampling bias, measurement error, and en-route stops (Moghaddam and Hellinga 2013). Another study found that data collection failure, and link locations and length, were key causes of error. It concluded that high link density is critical in locations where transitions in traffic states and bottlenecks occur (Kothuri et al. 2008). In another study, a four-step offline filtering algorithm that compares data points to the moving average was developed to eliminate the outlier observations (Haghani et al. 2010). Consideration of error detection via outlier identification will be applied to this study.

## 3 Methodology to Estimate Travel Times

This study presents a method to estimate O-D waterway travel time statistics from vessel transit data. Examples of origins and destinations include terminals, ports, USACE district boundaries, or other locations of interest. Note: the origin and destination do not need to be located on the same waterway as long as there is a navigable path between them. The method requires historic vessel transit data, specifically, time-stamped records of vessels' locations (latitude and longitude) as they transited the waterway. Each record must include a unique vessel identification so that it can be matched to its vessel. AIS data fulfills these requirements. The application of this method is demonstrated using AIS data in the Case Studies.

The method presented herein can accommodate the availability of vessel transit data in the following ways: it takes into account that transit data may not be available for the entirety of the waterway between the O-D; it does not require transit data to be available for the entire population of vessels on the waterway, but instead only a sample of the population; and it takes into account that each vessel may not transit the entire distance between the O-D, instead making shorter transits.

The method described in the following is only for a scenario of one O-D pair and one direction of travel for conciseness. However, as the Case Studies clearly illustrate, the method is easily expandable to a waterway with multiple O-D pairs and can include both directions of travel. The travel time estimate method consists of five main steps. First, divide the waterway between the O-D pair into shorter, consecutive sections, called links. Second, estimate link travel times. Third, identify and remove travel time outliers. Fourth, calculate link travel time performance measures. Fifth, calculate the O-D travel time performance measures from the link travel time performance measure results. The method assumes that the O-D pair has already been established and that vessel trip data have been collected for the study. The flow chart in Figure 2 summarizes these steps and the following sections describe them in detail. Table 2 summarizes variables from the method for the reader's reference. They are described in more detail throughout the section.

Start

Define links

Estimate link transit times

Identify and remove outliers

Calculate link travel time performance measures

Calculate O-D travel time performance measures

End

Figure 2. Methodology overview flow chart.

Table 2. Variables and their descriptions.

Symbol	Description	Unit
Aj	Total travel time above baseline for link j	hour
a <sub>j,k</sub>	Total travel time above baseline for transit k of link j	hour
В	Total number of link boundaries	-
bi	Index of link boundaries, <i>i</i> =1 through <i>B</i>	-
D	Length of waterway between the O and D	mile
dj	Length of link j	mile
<b>I</b> j	Index of links, $j=1$ through $L$	-
L	Total number of links between the O and D	-
nj	Total number of transits for link j	-
Oj	Maximum accepted travel time for link j (outlier cutoff)	hour
р	Trip data sampling period	hour
Q <sub>1</sub>	O-D 25th percentile travel time	hour
<b>Q</b> 1,j	25th percentile travel time for link j	hour
Q2	O-D 50th percentile travel time	hour
<b>q</b> 2,j	50th percentile travel time for link j	hour
Qз	O-D 75th percentile travel time	hour
<b>q</b> 3,j	75th percentile travel time for link <i>j</i>	hour

Symbol	Description	Unit
r	Limit length	mile
Sj	Sample standard deviation of travel time for link <i>j</i>	hour
t <sub>j,k</sub>	Estimated travel time of transit $k$ on link $j$ , $k = 1$ through $n_j$	hour
V	Maximum vessel speed for the waterway	knots
x	Sample mean travel time for the O-D	hour
Xj	Sample mean travel time for link j	hour

## 3.1 Step 1. Define links

The first step of the methodology is to segment the navigational waterway between the O-D into shorter, consecutive sections or reaches, called links. Each link has an entrance and exit boundary that extend across the waterway from shore to shore, such as a starting and finish line. A link represents an area that has homogeneous vessel travel behavior and uninterrupted through-transits or transits that pass from one end of the link to the other. Therefore, it is suggested that link boundaries be placed where vessels changes their behavior or speed, at the beginning and end of stretches of waterway with high variability in trip behavior or speed, at intermediate O-Ds along the waterway or at places where vessels make stops, at places where vessels may detour from the fastest route between the origin and destination, and at places that begin or end vessel trip data availability. Examples are as follows:

- Confluences with other waterways
- Entrances and exits to a port
- Boundaries of an area encompassing a navigation lock
- Boundaries of dock terminals and mooring areas
- Boundaries of caution areas
- Structures that affect navigation (such as bridges and bend weirs)
- Boundaries of vessel transit data coverage.

Links are identified by locating each boundary denoted as  $b_i$  (i = 1 through B, with B being the total number of link boundaries), where  $b_I$  is at the O-D pair origin and  $b_B$  is at the O-D pair destination. Then, the total number of links, denoted L, is equal to B less 1, as shown in Equation 1.

$$L = B - 1 \tag{1}$$

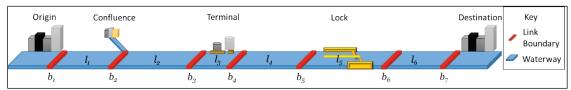
where each link denoted as  $l_j$ , (j = 1 to L) is the segment of waterway between  $b_j$  and  $b_{j+1}$ , j=i. Because the links are consecutive and cover the entire waterway between the O-D pair, the following must hold true: the sum of the lengths of the individual links equals the length of the waterway between the O-D pair, denoted D (mile), as shown in Equation 2.

$$D = \sum_{j=1}^{L} d_j \tag{2}$$

where the length of  $l_j$  is denoted  $d_j$  (mile).

Figure 3 illustrates a waterway segment with an origin and destination, seven identified boundaries (shown as red lines across the waterway), and six links. Link boundaries were placed in order at the following locations: the case study origin, at a waterway confluence, downstream and upstream of a terminal, downstream and upstream of a lock, and at the study ending location. For the example in Figure 3, assume the origin is downstream and the destination is upstream for orienting purposes.

Figure 3. Example of segmentation of waterway between O-D pair into links.



There are three main advantages to a link-based approach for estimating O-D transit times. First, it allows shorter transits that take place along the waterway but that do not necessarily complete a full trip between the O-D pair to be included in the analysis. Inclusion of these shorter transits increases the sample size of observations from which to calculate the travel time statistics, thereby providing more robust measures of system performance. Second, segmenting the waterway allows for isolating travel behavior on sections of the waterway that are the main contributors to overall O-D travel times and travel time variability. Such sections include navigation locks, terminals, and other *bottleneck* locations with high traffic volumes and associated congestion. Third, transit times can be excluded that are incurred by vessels deviating from the direct route between the O-D, such as if a vessel detours from the waterway at a confluence or harbor but later re-enters the waterway at the confluence or harbor to continue its trip to the destination.

There are some potential drawbacks to segmentation, primarily due to the fact that constructing a system-level travel time analysis from the individual waterway segments may not realistically capture the true nature of the constituent traffic patterns. For example, link transit times may not capture the actual time series patterns for the entire waterway system, such as seasonal variations owing to prevailing congestion or adverse weather conditions. These time series patterns will be addressed in future studies.

## 3.2 Step 2. Estimate link travel times of individual transits

The second step of the methodology is to estimate link travel times of individual transits. For this study, the definition of a link transit is a one-way trip from the beginning to the end of a link made by a single vessel. The transit time, or travel time, is the amount of time that elapses between when a vessel enters and subsequently exits a link.

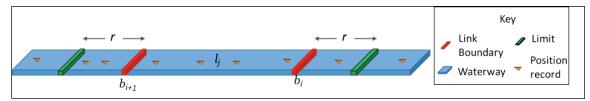
The time at which a vessel enters and exits a link is derived from the trip data, such as AIS data. Due to the nature of the trip data, because it is discrete and may be down-sampled, there may not be exact records of when a vessel enters into, and exits from, a link. If not, for consistency, choose the last record of a vessel before it enters the link and the first record of a vessel after it exits the link. A limit is set on the distance away from the link where these records may be obtained to control the amount of error this can introduce into the travel time estimates. If there are no vessel records within the limit for either (or both of) the entrance to or exit from the link, then the associated transit is not included. This study proposes the length of the limit be long enough to include at least two position records of every vessel, therefore providing a buffer in the event that one position record is not broadcast or received. Thus, the length is dependent on how far the fastest vessels can travel in 2p, where p (hour) is the sampling period and the maximum vessel speed is denoted v (knots). The equation for the limit length, denoted r (mile), is given by Equation 3, which takes into account converting from knots to miles per hour.

$$r = 2.3pv \tag{3}$$

For this report, a maximum speed of 21 knots is used, and a sampling period of 5 min, converted to hours. This equals a limit length of 4.0 miles. An example of a link with position records plotted is shown in Figure 4. Note: the direction of travel is from right to left so that the entrance to the

link is at  $b_i$  and the exit to the link is at  $b_{i+1}$ . An area is extended to the left of  $b_i$  the distance r. An area is also extended to the right of  $b_{i+1}$  the distance r. For a vessel's trip to be included as a travel time estimate, it must have at least one position record within each of these two areas.

Figure 4. Example link with plotted vessel position records as vessel transits from right to left.



There may be more than one record per vessel in the waterway included in the limit. This can also be seen in Figure 4. Also, vessels may make multiple trips on a link, and thus, there may be records from different trips. A method was previously developed to determine which record represents a transit's entrance time and which record represents a transit's exit time. First, collect any vessel trip records whose geographic coordinates correspond to the waterway included in the entrance limit area or the exit limit area. Next, for each record, add a field denoting whether it came from the area at the entrance or at the exit. Then, sort the records by vessel identification (ID) and then by ascending chronological order. Last, identify any instance in which a record from the entrance area is immediately followed by a record from the exit area. This represents a transit through the link from the entrance to the exit. The timestamp of the entrance area record is the entrance time, and the timestamp of the exit area record is the exit time. The difference in the timestamp is the transit's travel time (Mitchell and Scully 2014). This method is illustrated in Table 3.

Table 3. Example of sorted vessel records.

Record	Vessel ID	Record Time Stamp	Latitude (decimal degrees)	Latitude (decimal degrees)	Limit Area
3	Abc	8/10/2014 18:00	39.095	-84.660	Entrance
8	Abc	8/10/2014 20:00	39.044	-84.698	Exit

In Table 3, records that can be used as entrance and exit times are included, and the records have been sorted by vessel ID and by time stamp. Record 3 is an entrance record and is immediately followed by

Record 8, an exit record. Therefore, according to the methodology, vessel Abc completed a transit that had a link entrance time of 18:00, an exit time of 20:00, and thus, a travel time of 2 hours (hr).

## 3.3 Step 3. Identify and remove outliers

After calculating individual transit travel times, travel times that are outliers are identified and removed. Causes of outliers may include a vessel making a temporary stop along the link such as to refuel or change crew or a vessel traveling slower than needed due to an internal factor. Outliers can also be a result of missed AIS position records, such as if an on-board AIS broadcaster or a shore-based receiver was not working. For example, if a vessel transits a link and an AIS position report is only recorded when it passes through the entrance bounded region and not the exit bounded region, its exit time will instead be recorded the next time it passes through the exit bounded region. For a more detailed look at outliers from AIS data, see DiJoseph and Mitchell (2015).

There are different ways to identify outliers such as visually inspecting vessel paths via plotting AIS position records or with statistical methods. This study employed a statistical method. This study defines the outlier cutoff value for  $l_i$ , denoted  $O_i$  (hour), as follows:

- For links with locks, *O<sub>j</sub>* equals 72 hr (3 days)
- For links without locks,  $O_j$  equals the amount of time to travel the entire link at less than 0.5 knot, or equivalently, 0.575 mile per hour, as shown in Equation 4.

$$O_j = d_j/0.575$$
 (4)

Thus, any travel time on  $l_j$  greater than  $O_j$  is an outlier. The study chose these definitions to take into account delay in travel times due to lock capacity reductions and to take into account that non-lock links are different lengths. Also, they allow for comparison across the links (by lock and non-lock link) and are not computationally expensive. The study chose them after carefully examining the travel time data to ensure they were not overestimating or underestimating direct transit travel times. Future studies may consider other statistical methods to define outliers.

#### 3.4 Step 4. Calculate link travel time performance measures

The study calculates link travel time performance measures from the individual transit travel times that remain after outliers have been removed.

#### 3.4.1 Link travel time performance measures

This study calculates the following statistics, for each link  $l_i$ :

- Total number of recorded transits,  $n_i$
- Average travel time (hour),  $x_i$
- Standard deviation of travel time (hour), s<sub>i</sub>
- 25th, 50th (median), and 75th percentile travel times (hour),  $q_{1,j}$ ,  $q_{2,j}$   $q_{3,j}$
- Total travel time above baseline (hour),  $A_j$

This study includes mean and median travel times because median provides a better representation of central tendency if the mean is skewed from very slow or from very fast transits.

From these base statistics, additional descriptive statistics such as speed, interquartile range, and coefficient of variation (COV) can be calculated.

#### 3.4.2 Total travel time above baseline

One of the included performance measures is time spent above baseline. This study considers the following definition for time spent above baseline: the additional travel time needed to complete a transit over the baseline or travel time that can be achieved with no impediments. As a proxy for the baseline travel time, this study applies the annual 25th percentile travel time. The calculation of an individual transit's travel time above baseline for a link j, denoted as  $a_{j,k}$ , is shown in Equation 5, where  $t_{k,j}$  is the travel time of transit k for link j.

$$a_{j,k} = \begin{cases} 0, t_{j,k} \le q_{2,j} \\ t_{i,k} - q_{1,j}, t_{i,k} > q_{2,j} \end{cases}$$
 (5)

Total travel time above baseline for a link, equal to the sum of the time spent above baseline of all transits for the time period, is dependent on

the number of transits with travel time above the baseline for the time period and the amount of travel time above the baseline for each transit. Equation 6 describes the total travel time above baseline for a link.

$$A_j = \sum_{k=1}^{n_j} a_{j,k} \tag{6}$$

In Equation 6,  $A_j$  is the total travel time above baseline for link j,  $a_{j,k}$  is the travel time above baseline for transit k on link j, and  $n_j$  is the total number of transits for link j. While a scenario with many transits each with small travel time above the baseline and a scenario with few transits each with large travel time above the baseline can produce the same amount of total time spent above baseline for a link, it is beyond the scope of this study to determine if one scenario is better or worse for waterway managers or stakeholders.

Time spent above baseline can reflect congestion, inadequate lock capacity, or other factors such as fog, ice, or waterway conditions that require additional or slower maneuvering.

# 3.5 Step 5. Calculate Origin-Destination (O-D) travel time performance measures

The last step of the methodology is to estimate O-D travel time performance measures. They equal the summation of the performance measure values from the links that comprise the waterway between the O-D pair. The O-D average travel time (hour) and O-D 25th, 50th (median), and 75th percentile travel times can be calculated as shown in Equation 7, Equation 8, Equation 9, and Equation 10, respectively.

$$x = \sum_{i=1}^{L} x_i \tag{7}$$

$$Q_1 = \sum_{j=1}^{L} q_{1,j} \tag{8}$$

$$Q_2 = \sum_{j=1}^{L} q_{2,j} \tag{9}$$

$$Q_3 = \sum_{j=1}^{L} q_{3,j} \tag{10}$$

These performance measures are chosen because they are useful for voyage planning and RIS and also because they are useful for monitoring changes in the waterway from the perspective as a transportation system (EU RIS 2018).

The methodology presented in Chapter 3 was applied to measure waterway performance for years 2013 and 2014, for three different case studies: (1) the Ohio River, (2) The Upper Mississippi River, and (3) the Illinois River. Chapter 4 presents the results for the Ohio River. Chapter 5 presents the results for the Upper Mississippi River. The results for the Illinois River are presented in Chapter 6.

## 4 Case Study: Ohio River

This study applied the methodology to develop a travel time statistical profile of the Ohio River based on 2013 and 2014 AIS data. The study considered the upstream and downstream direction of travel.

## 4.1 River description

The Ohio River connects the eastern and central United States. The Ohio River begins in Pittsburgh, PA, at the confluence of the Allegheny and Monongahela Rivers. It flows west and ends 981 miles downstream at the southern tip of Illinois, where it empties into the Mississippi River at the confluence of the Lower and Upper Mississippi Rivers. Along the way, it passes through the western end of Pennsylvania and along a border of West Virginia, Ohio, Indiana, Illinois, and Kentucky. Figure 5 illustrates the Ohio River with selected O-Ds identified along the river, as described in Section 4.3.

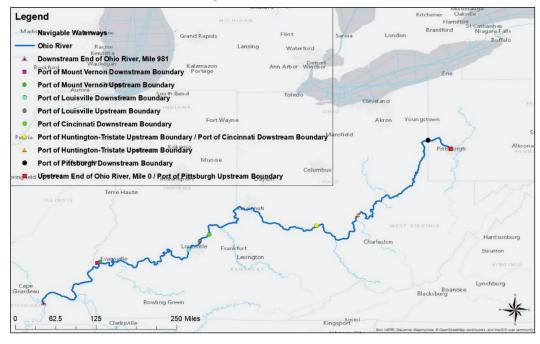


Figure 5. Ohio River map.

The USACE maintains navigation along the waterway. To provide a dependable navigation depth along the river, the USACE operates a series of locks and dams along the river, which create water pools. There are 20 navigation locks. In addition, the USACE guarantees a channel depth of 9 ft.

A total of 214.18 short tons and 219.5 million short tons of cargo moved on the river in calendar years 2013 and 2014, respectively (Waterborne Commerce Statistics Center 2017). Cargo is moved on barges pushed and guided by tugs. Major commodities transported on the river include coal, petroleum and petroleum products, chemicals, crude materials, manufactured goods, food and farm products, and manufactured equipment and machinery (Waterborne Commerce Statistics Center 2014). Other types of vessels that move on the Ohio River include fishing and recreational vessels.

## 4.2 AIS data acquisition

This study acquired AIS data for the Ohio River for the years 2013 and 2014. The data source was the NAIS. The AIS data were down sampled to 12 per hour per vessel, or equivalently, an AIS record every 5 min.

## 4.3 Origins and destinations

For this study, multiple locations were identified to be trip origins and trip destinations along the Ohio River. These include the Ohio River ports that rank in the top 100 leading US Ports, based on 2013 rankings. These ports are as follows: No. 15 Huntington – Tristate; No. 20 Pittsburgh, PA; No. 47 Cincinnati, OH; No. 67 Louisville, KY; and No. 70 Mount Vernon, IN (Navigation and Civil Works Decision Support Center 2015). Because the ports are several miles long, the upstream boundary of the port and the downstream boundary of the port were identified as trip origins and trip destinations. Table 4 lists the port boundaries, as per the USACE Navigation Data Center Complete Dock List (USACE 2011).

rabio 4. Fore boundarios.				
Port	Upstream River Mile	Downstream River Mile		
Pittsburgh	0	40		
Huntington-Tristate	256.5	356.5		
Cincinnati	356.5	576		
Louisville	593*	616		
Mount Vernon	827	833		

Table 4. Port boundaries.

<sup>\*</sup>The Louisville upstream port boundary is River Mile 601. However, this study extended the boundary an additional 8 miles to encompass the Vessel Traffic Service Louisville regulated area.

In addition, the study identified the upstream end of the river (River Mile o, also the upstream boundary of the Port of Pittsburgh) and the downstream end of the river (River Mile 981), as trip origins and trip destinations for this study that encompasses the entire river.

Each location for this study is considered as a possible trip origin and a trip destination. A location may be an origin for transits in one direction of travel but then a destination for transits traveling in the opposite direction. In total, there were 10 locations designated as trip origins, and the same 10 locations were also designated as trip destinations, as the case study considers both directions of travel. The locations are identified in Figure 5.

#### 4.4 Links

This study segmented the waterway between the O-Ds into links. The study designated the following locations as link beginning/ends: the study's O-Ds, locations at the upstream and downstream approaches of locks, confluences with navigable rivers, and places where noticeable changes were observed in transits via AIS position reports visualization, such as at restricted areas or at terminals along the river. The study inserted additional beginning/end points wherever link lengths would be very long. The following paragraphs describe the beginning/end points in more detail.

The study created an individual link for each lock to isolate effects of the lock on vessel travel times. The study designated a link beginning/end point upstream and downstream of each lock such that the link between the two points was 10 miles long. For most locks, one point was 5 miles upstream of the lock and the other was 5 miles downstream of the lock. Thus, the lock was at the midpoint of the link. However, because Emsworth and Dashields Locks were fewer than 10 miles apart, the study designated the link beginning/end halfway between the two locks. The study increased the distance to the opposite end of the lock to ensure that each lock link still equaled 10 miles.

Because each lock is contained within a link, the link isolated the effects of the lock on vessel behavior and thus, travel times. These travel time related behaviors included deceleration time approaching the lock, queuing time to enter the lock, passage time through the lock, and

acceleration time away from the lock. Each lock link was the same length to enable the study to compare travel times at different locks. Table 5 lists the name of each Ohio River navigation lock, its location, and the beginning and end point of the link that contains it (subsequently illustrated in Figure 7). The study rounded lock locations to integer river miles to simplify the locations of the points.

Table 5. Lock locations and associated link beginning/end points.

		Link Upstream	Link Downstream
	Location	Beginning/Endpoint	Beginning/Endpoint
Lock	(river mile)	(river mile)	(river mile)
Emsworth	6.2	0	10
Dashields	13.3	10	20
Montgomery Island	31.7	27	37
New Cumberland	54.4	49	59
Pike Island	84.2	79	89
Hannibal	126.4	121	131
Willow Island	161.7	157	167
Belleville	203.9	199	209
Racine	237.5	233	243
R. C. Byrd	279.2	274	284
Greenup	341	336	346
Meldahl	436.2	431	441
Markland	531.5	527	537
McAlpine	606.8	602	612
Cannelton	720.7	716	726
Newburgh	776.1	771	781
John T. Myers	846	841	851
Smithland	918.5	914	924
Lock and Dam (L&D) 52	938.9	934	944
L&D 53	962.6	958	968

Links were also designed so that a new one began/ended at each of the confluences of the Ohio River and other navigable rivers. The navigable rivers that intersect the Ohio River, and the locations of their confluences (according to the Ohio River mile), are as follows: (1) Allegheny and Monongahela Rivers, River Mile 0, (2) Kanawha, River Mile 265.7, (3) Big Sandy, River Mile 317.1, (4) Cumberland, River Mile 920.4, (5) Tennessee, River Mile 934.5, and (6) Mississippi, River Mile 981. Note: the study previously designated River Mile o and River Mile 981 as link beginning/endpoints because those are the starting and ending points of the Ohio River, respectively. Also, note that the Cumberland River confluence is fewer than 5 miles upstream from L&D 52 and the Tennessee River confluence is fewer than 5 miles downstream from Smithland. This study did not add link beginning/end points at these locations to avoid affecting the lock links. Instead, the study geofenced the bounded regions for the links containing these locks to extend onto the adjoining rivers to capture AIS broadcasts of any vessels that enter and exit the Ohio River onto them, as can be seen in Figure 6. The study designated link beginning/end points at the remainder of the confluences.

Figure 6. Link 5 with upstream boundary area capturing traffic on the Ohio and Tennessee Rivers.

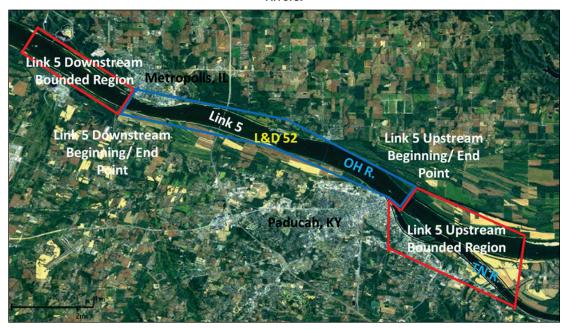


Figure 6 shows the link that contains L&D 52. The study geofenced the areas immediately upstream and downstream of the link and extended the upstream bounded region to include the Tennessee River to capture AIS broadcasts of vessels that transited the link.

The study designated seven additional link beginning/ending points along the Ohio River. The study chose five of these locations because vessel travel behavior changed near them and the other two to decrease the length of links to fewer than 65 miles. The following list provides their locations and brief explanations on why the study included them:

- River Mile 420 The study included this location to decrease the
  distance between link beginning/end points. The study chose this
  specific location due to the relatively large number of received AIS
  position reports near it, in relation to the surrounding waterway.
- River Miles 460, 489, and 500 The study included these three
  additional locations within the Port of Cincinnati to further isolate
  vessel travel times that reflect vessel operations at the Port's terminals.
- River Mile 675 The study included this location to decrease the distance between link beginning/end points. The study chose this specific location because it is near a terminal.
- River Mile 865 The study included this location because it is near a terminal/fleeting area, and also to decrease the distance between link beginning/end points that was close to the limit of 65 miles.
- River Mile 975 The study included this location to isolate travel times that reflect vessels dwelling at the many terminals and fleeting areas from here to the downstream end of the Ohio River.

The total number of links for the Ohio River case study was 56. Table 6 lists each link, its length, the river miles it covers, the port included within it, and/or the lock contained within it, if applicable.

Table 6. Ohio River links and characteristics.

O-D pair	Link #	Link Upstream Boundary	Link Downstream	Link Length (river mile)	-	op 100 Port or Lock) ed within Link
o z pan	Lin	(River Mile)	Boundary (River Mile)	Link I (river	Port Name	Lock Name
ım m rgh ary	1	0	10	10	Pittsburgh	Emsworth
Ohio River Upstream End / Pittsburgh Upstream Boundary to Pittsburgh Downstream Boundary	2	10	20	10	Pittsburgh	Dashields
ver Ups End / rgh Ups y to Pit eam Bc (0-40)	3	20	27	7	Pittsburgh	-
iio Riv tsbur indar vnstre (	4	27	37	10	Pittsburgh	Montgomery
Oh Pii Bou Dov	5	37	40	3	Pittsburgh	-
	6	40	49	9	-	-
	7	49	59	10	-	New Cumberland
	8	59	79	20	-	-
	9	79	89	10	-	Pike Island
Pittsburgh Downstream	10	89	121	32	-	-
Boundary	11	121	131	10	-	Hannibal
to Huntington Tri-State	12	131	157	26	-	-
Upstream Boundary	13	157	167	10	-	Willow Island Lock
(40-256.5)	14	167	199	32	-	-
	15	199	209	10	-	Belleville
	16	209	233	24	-	-
	17	233	243	10	-	Racine
	18	243	256.5	13.5	-	-
	19	256.5	265.5	9	Huntington- Tristate	•
Huntington Tri-State Upstream Boundary	20	265.5	274	8.5	Huntington- Tristate	•
to Huntington Tri-State	21	274	284	10	Huntington- Tristate	R. C. Byrd
Downstream / Cincinnati Upstream Boundary	22	284	317	33	Huntington- Tristate	-
(256.5-356.5)	23	317	336	19	Huntington- Tristate	-
	24	336	346	10	Huntington- Tristate	Greenup

O.D. main	# >	Link Upstream	Link Downstream	ength mile)		p 100 Port or Lock) d within Link
0-D pair	Link #	Boundary (River Mile)	Boundary (River Mile)	Link Length (river mile)	Port Name	Lock Name
	25	346	356.5	10.5	Huntington- Tristate	-
	26	356.5	420	63.5	Cincinnati	-
	27	420	431	11	Cincinnati	-
Huntington Tri-State Downstream	28	431	441	10	Cincinnati	Meldahl
/ Cincinnati Upstream Boundary	29	441	460	19	Cincinnati	-
to	30	460	480	20	Cincinnati	-
Cincinnati Downstream	31	480	500	20	Cincinnati	-
Boundary (356.5-	32	500	527	27	Cincinnati	-
576)	33	527	537	10	Cincinnati	Markland
	34	537	576	39	Cincinnati	-
* (576-593)	35	576	593	17	-	-
Louisville Upstream	36	593	602	9	Louisville	-
Boundary to Louisville	37	602	612	10	Louisville	McAlpine
Downstream Boundary (593-616)	38	612	616	4	Louisville	-
	39	616	675	59	-	-
Louisville	40	675	716	41	-	-
Downstream Boundary to Mount	41	716	726	10	-	Cannelton
Vernon Upstream Boundary (River	42	726	771	45	-	-
Mile 616-827)	43	771	781	10	-	Newburgh
	44	781	827	46	-	-
** (827-833)	45	827	833	6	Mount Vernon	-
Mount Vernon	46	833	841	8	-	-
Downstream	47	841	851	10	-	John T. Myers
Boundary to	48	851	865	14	-	-
Ohio River Downstream End	49	865	914	49	-	-
(833-981)	50	914	924	10	-	Smithland
	51	924	934	10	-	-

O-D pair	# *	Link Upstream Boundary	Link Downstream	Link Length (river mile)	=	op 100 Port or Lock) ed within Link
О-Б ран	Link	(River Mile)	Boundary (River Mile)	Link Le (river	Port Name	Lock Name
	52	934	944	10	-	L&D 52
	53	944	958	14	-	-
	54	958	968	10	-	L&D 53
	55	968	975	7	-	-
	56	975	981	6	-	-

<sup>\*</sup>Cincinnati Downstream Boundary to Louisville Upstream Boundary (576-593).

Figure 7a through Figure 7f depict the locations of the links. Multiple figures are used to accommodate the length of the river, and the particular section of waterway each covers is depicted in Figure 7a. Figure 7b shows the links farthest east (upstream) on the river while the Figure 7e shows the links farthest west (downstream). Figure 7f is a map legend. Links associated with ports are color coded as the legend describes.

Figure 7. Ohio River segmented into links 1 through 56, with legend.

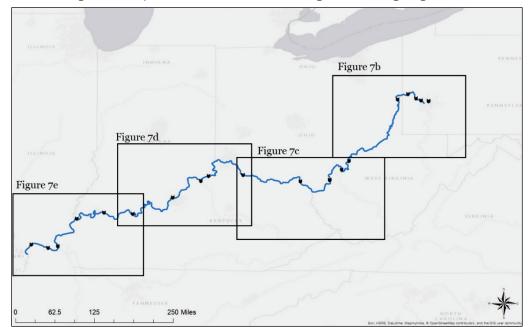


Figure 7a. Depiction of locations shown in Figure 7b through Figure 7e.

<sup>\*\*</sup>Mount Vernon Upstream Boundary to Mount Vernon Downstream Boundary (827-833).

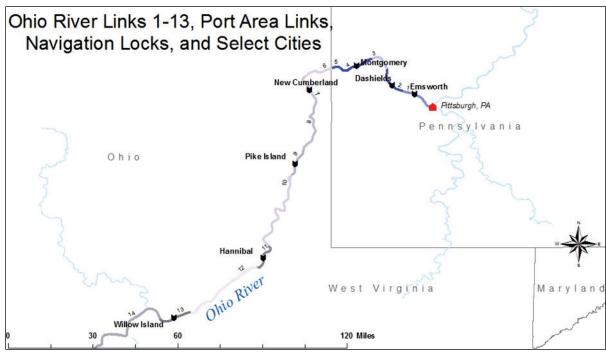
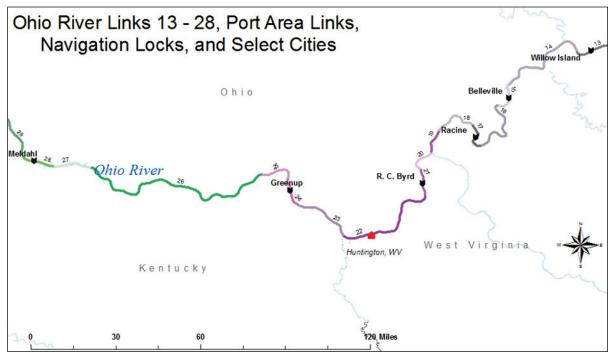


Figure 7b. Ohio River links 1-13.

Figure 7c. Ohio River links 13-28.



Ohio River Links 28 - 41, Port Area Links,
Navigation Locks, and Select Cities

Ohio River

Ohio River

McAlpine

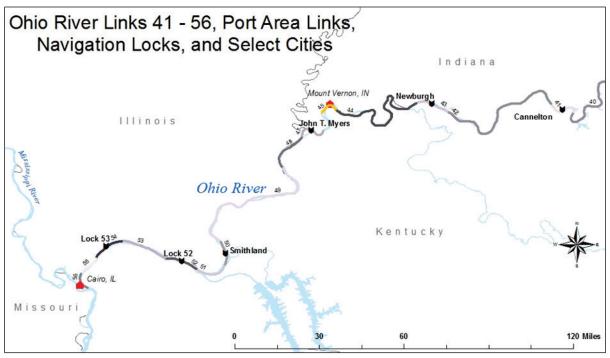
Louisville, KY

Kentucky

Kentucky

Figure 7d. Ohio River links 29-41.

Figure 7e. Ohio River links 42-56.



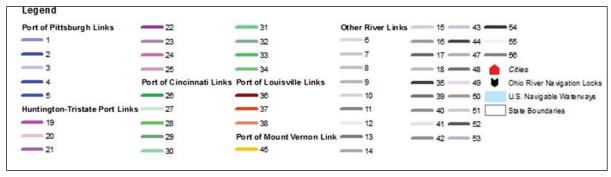


Figure 7f. Legend\* for Figure 7b through Figure 7e.

\*Map layer sources: US Department of Transportation "National Transportation Atlas 2013" and the US Army Corps of Engineers, Inland Electronic Navigation Charts.

Future studies may consider additional links and/or other locations at which to segment the waterway.

#### 4.5 Ohio River results

This section provides an Ohio River travel time statistical profile. The study determined the statistics by applying the methodologies described previously to 2013 and 2014 AIS data. The statistics are as follows:

- number of transits by link
- AIS sampling rate for links containing locks
- 25th, 50th (median), and 75th percentile travel times by link
- · average travel time, standard deviation, and COV by link
- total travel time above baseline for links containing locks
- 25th, 50th (median), and 75th percentile travel times by O-D pair.

The study provides results aggregated into the following time periods: weekly, monthly, and annually. The study does not provide results disaggregated to time periods less than 1 week or to individual transits to protect commercial sensitivity of the data.

# 4.5.1 Link number of transits and Nationwide Automatic Identification System (NAIS) sampling rate

The study estimated the number of transits per link based on 2013 and 2014 AIS data, with outliers removed. Results by year are shown in Figure 8. Results in table format by year, month, and week are presented in Appendix B: Ohio River Additional Results.

The study measured the NAIS sampling rate or the percentage of transits captured via the NAIS. The study applied USACE Lock Performance Monitoring System (LPMS) Arrival Report lockage reports as proxies for ground truth data. Lockmasters record information on each lockage. The reports therefore provide the total number of lockages per lock. The advantages to using the reports are they are readily accessible and available for all locks along the waterway. There are three possible disadvantages to using them. First, their original purpose was not for ground truthing NAIS records. Second, the starting and ending points for a lockage do not align to the starting and ending points of the links as the link is longer. Third, the reports only provide time-referenced visibility to links containing locks. This study did not identify a ground truth data source for other sections of the waterway. This study adjusted the number of lockages reported by excluding reports of recreational vessels lockages and by excluding reports of lockages that were the subsequent lockages of a multi-cut, or instances where it takes more than one lockage for a vessel to pass all of its barges, so as not to over count the number of transits. For example, 41% of lockages at Dashields were part of multi-cuts.

Figure 8 shows the NAIS sampling rate for links containing locks for 2013 and 2014. For each link, the blue bar represents the total number of transits based on the ground truth data for 2013 and the green bar for 2014. The shading on each bar represents the portion of these ground truth transits that NAIS captured. The number in white on each bar is the sampling rate based on the calculation of NAIS observations to LPMS records.

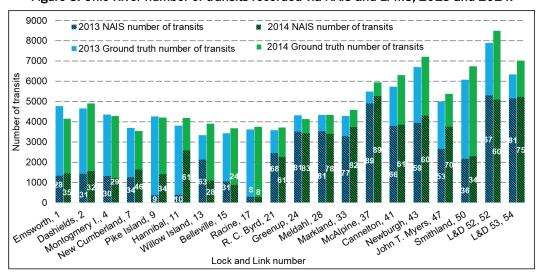


Figure 8. Ohio River number of transits recorded via NAIS and LPMS, 2013 and 2014.

Vessel traffic volume, NAIS broadcast coverage, and AIS usage by vessels affect the number of transits recorded via NAIS. At the time of the Ohio River case study analysis, Table 1 lists the location of the NAIS receivers. The number of NAIS receivers has increased significantly since 2013 and 2014, and therefore, readers should be aware that there may be discrepancies in the existing receiver locations. At the time of publication, there are NAIS receivers at all Ohio River lock locations, and significant upgrades have improved the uptime of the receivers. AIS carriage is now mandatory for commercial vessels.

#### 4.5.2 Link travel times by percentile

The study estimated the 25th, 50th (median), and 75th percentile travel times by link based on 2013 and 2014 AIS data. Figure 9 and Figure 10 (for 2013 and 2014, respectively) illustrate the annual results, with estimated trajectory plots of vessels as if they were to transit the entire Ohio River at the annual 25th percentile travel time (green line), 50th (median) percentile travel time (yellow line), or 75th percentile travel time (red line). The time begins at hour zero, and vessels traveling downstream begin at River Mile 0 while vessels traveling upstream begin at River Mile 981. The arrow on each line represents the direction of travel. On the graphs, the river mile numbers are on the left *y*-axis and are staggered to be able to clearly see them; the link numbers and the names of the locks associated with the links are also included near the right *y*-axis. Results in table format by year, month, and week are presented in Appendix B: Ohio River Additional Results.

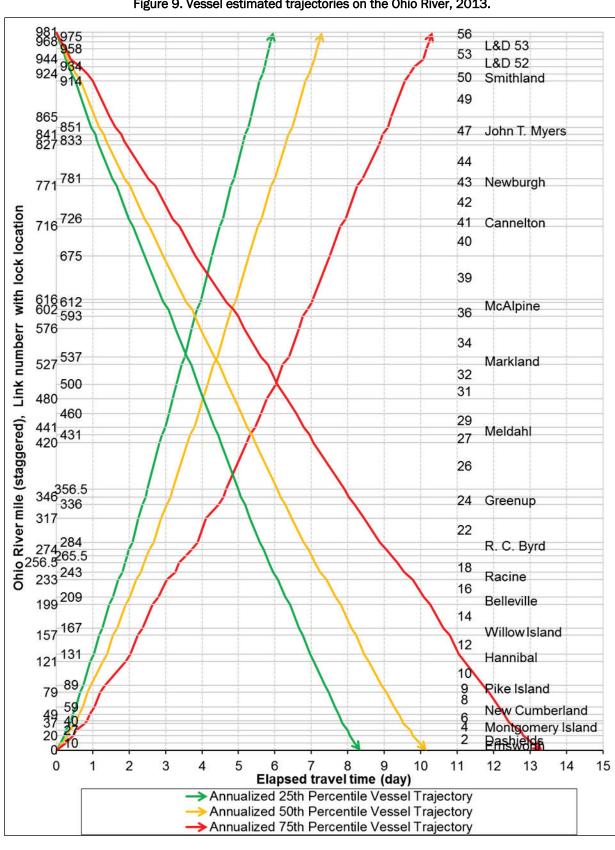


Figure 9. Vessel estimated trajectories on the Ohio River, 2013.

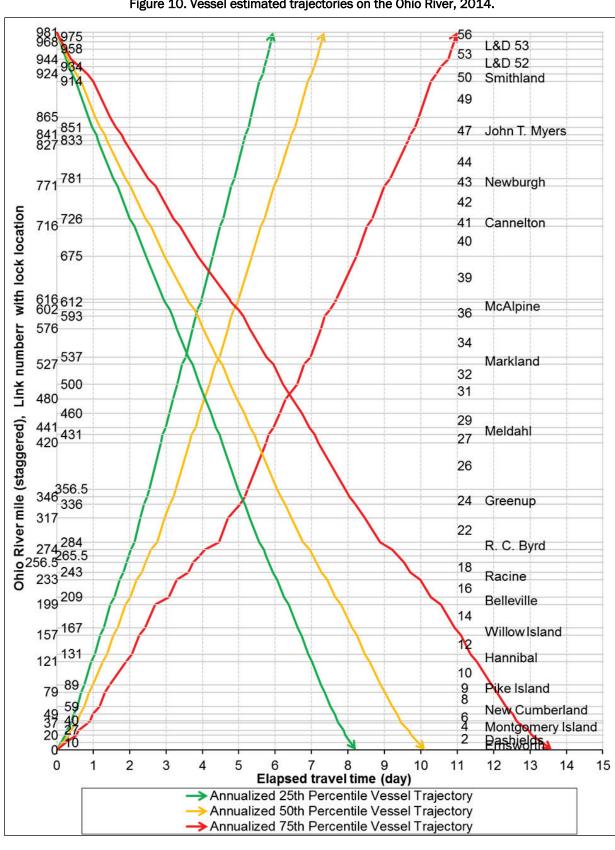


Figure 10. Vessel estimated trajectories on the Ohio River, 2014.

The following conclusions may be drawn from the results. From the slopes of the lines, trends are identified in the waterway travel times and speeds. The slope of the line for each link is equivalent to the vessel speed (as it represents the distance traveled over time). Steeper slopes represent faster speeds, and less steep slopes represent slower speeds. Thus, this type of visualization allows for the comparison of links, even though they are of different lengths. For example, slopes are less steep on links containing locks. and thus, travel times are longer on these links. In addition, generally links containing locks have the greatest variation in travel times. For example, the slope of the 75th percentile trajectory for L&D 52 is much flatter than that of the 25th and 50th (median) percentile trajectories.

An examination of the trajectories for the entire length of the river shows that the speeds from link to link are more consistent at the 25th percentile travel time than at the 75th percentile travel time, which has more changes in slopes. In addition, there is a larger difference in travel time between the 75th and 50th (median) percentile travel times than in between the 50th (median) and 25 percentile travel times, which can be interpreted to mean that for the fastest 50% of the trips, there is less variation than for the slowest 50% of trips. Overall, for transits for the entirety of the river, the difference in the travel times between the 25th and 75th percentile was large; the interquartile range was 4.4 days for 2013 downstream direction of travel, 5 days for 2013 upstream direction of travel, 5 days for the upstream direction of travel.

A year-to-year comparison shows the annualized travel times from 2013 to 2014 were essentially constant for the 25th and 50th (median) percentile travel times. However, the 75th percentile travel time increased by 16 hr from 2013 to 2014 in the downstream direction of travel and by 6 hr in the upstream direction of travel. These results support future studies to examine what contributing factors negatively affect these trips.

In addition, by comparing upstream-to-downstream travel times, it can be seen that downstream travel times are faster than upstream travel times by at least 2.25 days, due to the downstream currents, (25th percentile upstream-to-downstream comparison in 2014) to at most 3 days (75th percentile upstream-to-downstream comparison in 2013). The results indicate that there is a large variation in vessel travel times on the river,

and it is recommended that a range of travel times be provided via any future RIS. Future research should be conducted to isolate the causes of the variations and to quantify their impacts.

# 4.5.3 Link travel times average, standard deviation, and coefficient of variation (COV)

The study estimated the average travel time, standard deviation of travel time, and COV per link based on 2013 and 2014 AIS data. Table 7 provides the annualized results. Conditional color formatting by variable (in columns) highlights a link's result, relative to other links within the table. Those with the longest travel times and greatest standard deviations are in red while those with the shortest travel times and smallest standard deviations are in green. Results in table format by year, month, and week are presented in Appendix B. For tables in Appendix B, the study omitted the COV as the reader can easily calculate it from the provided data.

Table 7. Ohio River link average, standard deviation, and COV of travel time, 2013 and 2014

		Downst	ream Di	rection o	f Travel			Upstrea	m Direc	tion of T	ravel	
Year		2013			2014			2013			2014	
Link	Average Travel Time (hour)	Standard Deviation (hour)	000	Average Travel Time (hour)	Standard Deviation (hour)	000	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV
1	5.9	6.6	1.1	5.0	3.9	0.8	6.4	6.4	1.0	5.5	4.9	0.9
2	4.6	4.7	1.0	7.3	9.4	1.3	5.7	6.3	1.1	7.7	9.4	1.2
3	1.6	1.6	1.0	1.5	1.4	0.9	1.8	1.2	0.6	2.0	1.3	0.7
4	5.6	6.9	1.2	5.9	7.4	1.3	6.7	8.0	1.2	6.3	6.7	1.1
5	1.1	1.0	0.9	1.1	1.0	0.9	1.2	0.9	0.7	1.2	0.8	0.7
6	1.9	1.5	0.8	1.9	1.4	0.7	2.3	1.4	0.6	2.5	1.5	0.6
7	5.1	10.3	2.0	5.6	9.2	1.6	5.1	9.5	1.8	5.1	7.4	1.4
8	3.9	3.9	1.0	3.9	3.2	0.8	6.8	5.1	0.8	5.6	3.3	0.6
9	6.4	11.5	1.8	3.0	2.9	0.9	5.7	9.0	1.6	3.8	5.1	1.3
10	11.4	9.8	0.9	9.2	7.6	0.8	12.4	10.2	0.8	9.0	6.8	0.7

		Downsti	ream Di	rection o	f Travel		Upstream Direction of Travel					
Year		2013			2014			2013			2014	
Link	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV
11	3.5	5.1	1.5	3.6	3.5	1.0	4.4	6.7	1.5	4.4	5.9	1.3
12	4.4	2.9	0.7	4.7	3.4	0.7	5.7	3.2	0.6	5.6	2.9	0.5
13	3.6	4.2	1.2	5.9	11.4	1.9	4.5	6.6	1.5	6.6	12.3	1.9
14	6.3	5.0	0.8	6.0	4.1	0.7	8.4	5.9	0.7	8.2	4.4	0.5
15	8.9	15.8	1.8	13.2	19.7	1.5	6.9	12.9	1.9	12.5	18.9	1.5
16	7.0	7.3	1.0	6.3	6.6	1.0	7.3	5.0	0.7	6.6	4.3	0.6
17	10.6	17.9	1.7	12.7	19.5	1.5	10.0	15.4	1.5	10.1	15.4	1.5
18	2.7	2.5	0.9	3.3	3.2	1.0	4.3	3.3	8.0	3.9	2.5	0.6
19	3.2	3.0	0.9	3.2	2.9	0.9	3.3	2.6	0.8	3.1	2.4	0.8
20	3.1	2.7	0.9	2.9	2.5	0.9	3.1	2.4	0.8	3.3	2.6	0.8
21	6.1	10.8	1.8	8.5	11.7	1.4	4.3	6.0	1.4	6.9	8.4	1.2
22	5.3	3.1	0.6	5.4	3.5	0.6	9.4	4.9	0.5	8.9	4.3	0.5
23	5.9	4.5	0.8	5.6	4.4	0.8	5.6	4.0	0.7	5.5	4.1	0.7
24	3.6	5.1	1.4	3.1	2.2	0.7	3.8	4.3	1.2	3.5	2.4	0.7
25	1.7	1.0	0.6	1.6	0.8	0.5	2.5	1.0	0.4	2.4	1.0	0.4
26	16.4	18.7	1.1	12.3	12.1	1.0	19.4	15.1	0.8	16.4	11.7	0.7
27	2.1	2.0	0.9	1.7	1.1	0.6	2.4	1.7	0.7	2.1	0.9	0.4
28	5.6	10.6	1.9	3.6	5.4	1.5	4.5	7.6	1.7	3.8	5.4	1.4
29	3.9	3.1	0.8	4.1	3.4	0.8	4.7	2.5	0.5	4.5	2.1	0.5
30	3.6	2.3	0.6	3.5	2.4	0.7	5.3	2.5	0.5	5.6	3.1	0.5
31	4.9	3.7	0.8	5.9	4.9	0.8	5.8	3.5	0.6	5.7	3.5	0.6
32	5.1	5.6	1.1	5.5	6.4	1.2	6.2	4.4	0.7	6.3	5.0	0.8
33	4.4	6.7	1.5	4.2	6.2	1.5	4.6	6.2	1.4	4.5	5.5	1.2
34	7.0	6.8	1.0	6.8	6.1	0.9	10.4	6.5	0.6	10.1	5.4	0.5
35	2.5	1.0	0.4	2.5	1.1	0.4	3.7	1.6	0.4	3.7	1.8	0.5

		Downsti	ream Di	rection o	f Travel			Upstrea	m Direc	tion of T	ravel	
Year		2013			2014			2013			2014	
Link	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	000	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV
36	2.6	2.4	0.9	2.9	2.8	1.0	2.6	1.6	0.6	2.7	1.8	0.7
37	2.7	1.8	0.7	3.0	2.1	0.7	4.0	1.4	0.4	4.5	2.5	0.6
38	0.9	0.9	1.0	0.9	0.8	1.0	1.3	0.8	0.7	1.2	0.8	0.7
39	16.2	21.4	1.3	19.9	25.7	1.3	21.5	20.6	1.0	24.3	23.4	1.0
40	10.8	15.0	1.4	10.8	15.1	1.4	13.0	13.7	1.1	12.9	12.4	1.0
41	3.4	4.9	1.5	3.5	5.1	1.4	4.1	4.5	1.1	3.9	3.0	0.8
42	8.4	8.1	1.0	8.6	8.4	1.0	11.0	7.0	0.6	11.0	6.2	0.6
43	3.2	3.8	1.2	3.5	3.9	1.1	4.4	4.5	1.0	4.4	4.0	0.9
44	9.3	7.0	0.7	9.4	7.2	0.8	12.6	6.4	0.5	12.5	6.5	0.5
45	1.7	1.9	1.1	1.7	1.9	1.1	1.7	1.4	8.0	1.7	1.3	0.8
46	1.2	0.9	0.7	1.2	0.8	0.7	1.6	0.9	0.6	1.6	0.9	0.6
47	4.0	6.8	1.7	3.6	4.2	1.2	4.5	6.8	1.5	3.8	3.1	0.8
48	2.7	2.6	1.0	2.6	2.6	1.0	3.4	1.9	0.6	3.6	2.4	0.7
49	11.1	13.1	1.2	10.2	12.8	1.3	12.0	10.9	0.9	12.2	11.1	0.9
50	3.2	2.2	0.7	3.3	2.1	0.6	3.3	1.6	0.5	3.4	1.5	0.4
51	2.9	2.8	1.0	2.7	2.6	0.9	3.9	2.9	8.0	4.1	2.9	0.7
52	7.6	13.7	1.8	6.0	10.7	1.8	7.7	12.1	1.6	6.1	9.2	1.5
53	2.8	3.2	1.1	2.2	2.2	1.0	3.8	3.6	1.0	3.4	2.9	0.9
54	2.6	5.9	2.3	2.0	4.5	2.2	3.6	5.4	1.5	2.8	3.1	1.1
55	0.9	0.4	0.5	1.0	0.5	0.5	1.5	0.7	0.5	1.5	0.7	0.5
56	1.6	1.9	1.2	1.6	1.9	1.2	1.8	1.7	0.9	1.9	1.9	1.0

From the results, the two links ranking the highest in average travel time and travel time standard deviation, links 26 and 39, are the longest in length. Future studies may consider decreasing the lengths of these links. However, it can be seen from the results that the links with the highest

COV include links 7, 13, and 54, containing locks New Cumberland, Willow Island, and L&D 53, respectively, and thus the study recommends these links as good candidates for further investigation into what caused the high variation of travel times on these links, such as recreational vessel lockages and multi-cuts for tows.

## 4.5.4 Navigational pass – additional consideration

Additional travel time analysis was performed for the Ohio River L&D 52 and L&D 53. At these locks, not every transit requires passage through the lock; when water levels are high enough, conditions permit vessels to pass directly over the dam. This is called a navigational pass. In fact, at L&D 52, only 24% of vessels needed to lock in 2013, and 26% of vessels needed to lock in 2014. At L&D 53, only 9% of vessels needed to lock in 2013, and none locked in 2014, according to records kept by the USACE LPMS.

Travel time statistics were calculated for these two locks considering two scenarios: (1) all transits and (2) only non-navigational passes or those requiring locking. Figure 11 and Figure 12 show that the 25th, 50th (median), and 75th percentile travel times are greater during locking, along with the interquartile range.

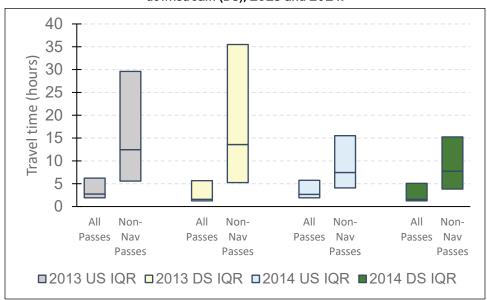


Figure 11. Ohio River L&D 52 interquartile range (IQR) by lockage type, upstream (US), and downstream (DS), 2013 and 2014.

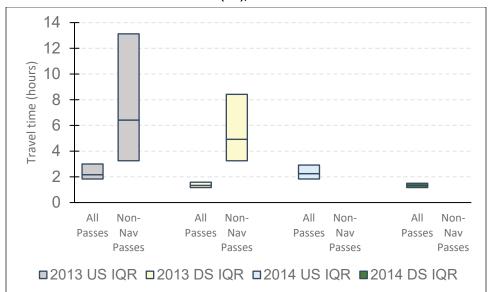


Figure 12. Ohio River L&D 53 interquartile range (IQR) by lockage type, upstream (US), and downstream (DS), 2013 and 2014.

The results for L&D 53 reflect that there were no transits that required lockages in 2014.

#### 4.5.5 Link total travel time above baseline

The study estimated the annualized link total travel time above baseline from 2013 and 2014 AIS data. The study concentrated on links that include locks. The study applied the 25th percentile travel time as the baseline travel time. For L&D 52 and L&D 53, only transits that were non-navigational passes were considered so that the baseline travel time only reflects transits that required lockages. Figure 13 shows for the Ohio River the total travel time above baseline for 2013 and 2014.

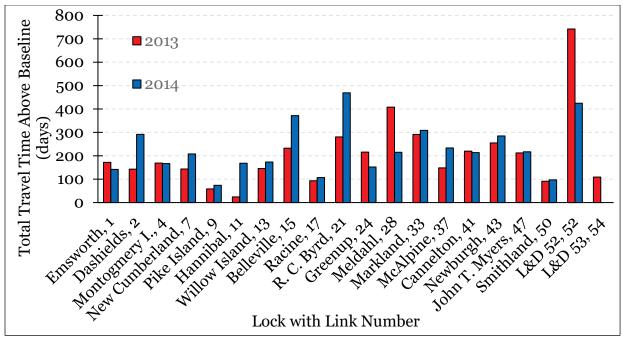


Figure 13. Ohio River total travel time above baseline by link, for 2013 and 2014.

From the results, L&D 52 had the highest total travel time above baseline in 2013, which may be a result of lock closures for repair work that occurred over multi-day periods in the fall of 2013. Figure 14 shows the median transit time by day at L&D 52 for 2013 and also identifies if the transit required, or did not require, locking. Also, from 2013 to 2014, total travel time above baseline became worse at 12 of the 20 locks, remained fairly constant at 2 of the locks, and improved at 6 of the locks. Note: there is zero total travel time above baseline at L&D 53 for 2014 as all lock types were navigational pass.

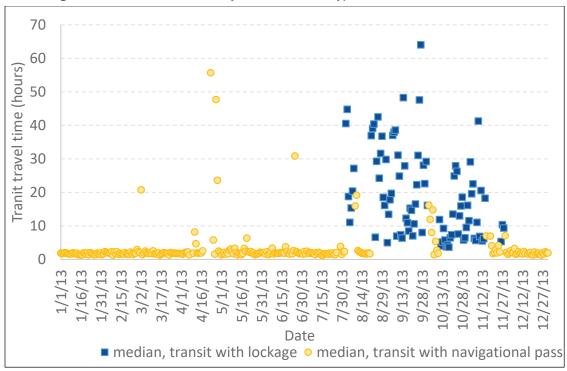


Figure 14. Median transit time by date and transit type at Ohio River L&D 52, 2013.

Future studies are required to look at total travel time above baseline in more detail. They will examine different events that impact total travel time above baseline, such as weather events, scheduled and unscheduled closures, traffic volume at the locks, and AIS coverage at the locks.

#### 4.5.6 O-D percentile travel times

This study estimated the O-D 25th, 50th (median), and 75th percentile travel times from 2013 and 2014 AIS data. The annual results are presented in a timetable format described in the following. In addition, the study compared annual and weekly O-D results in graphs to analyze the proper time period in which to provide results. Last, results in table format by year, month, and week are included in Appendix B.

Table 8 and Table 9 provide the annualized results in a timetable format. The first column contains the list of origins, and the first row contains the list of destinations. Each location is both an origin and destination. The cell that falls at the intersection of the row of the origin and column of the destination contains the travel times between the O-D pair. Each cell contains three numbers: (1) the top number is the 25th percentile travel time, in hours, (2) the middle number is the 50th (median) percentile

travel time, and (3) the bottom number is the 75th percentile travel time. The cells above and to the right of the gray diagonal show downstream travel times, and the cells below and to the left of the diagonal show upstream travel times. Note: the study rounded the times to the nearest half-hour. Upstream travel times were expectedly slower than downstream. To transit the waterway downstream from end to end, the 25th percentile travel time was 143 hr while the 75th percentile travel time was 247.5 hr, a difference of over 4 days. To transit the waterway upstream from end to end, the 25th percentile travel time was 200 hr while the 75th percentile travel time was 320 hr, a difference of 5 days. Thus, when reporting travel time estimates, it is important to provide them by direction of travel and to provide a range.

Destination Origin (Ohio River Mile)	Ohio River Upstream End / Pittsburgh Upstream Boundary (0)	Pittsburgh Downstream Boundary (40)	Huntington Tri-State Upstream Boundary (256.5)	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576)	Louisville Upstream Boundary (593)	Louisville Downstream Boundary (616)	Mount Vernon Upstream Boundary (827)	Mount Vernon Downstream Boundary (833)	Ohio River Downstream End (981)
Ohio River Upstream End /	25 <sup>th</sup>	9.5	45.5	60.0	89.0	91.5	95.5	122.5	123.5	143.0
Pittsburgh Upstream	<b>50</b> <sup>th</sup>	13.5	58.0	76.5	111.5	114.0	118.5	151.0	151.5	175.0
Boundary (0)	75 <sup>th</sup>	20.0	81.0	112.0	160.0	162.5	169.0	212.5	213.5	247.5
Pittsburgh	12.5		35.5	50.5	79.5	81.5	85.5	113.0	114.0	133.0
Downstream Boundary (40)			44.5	63.5	98.0	100.5	105.0	137.5	138.5	161.5
	22.5		60.5	91.5	139.5	142.5	149.0	192.0	193.5	227.5
Huntington Tri- State	60.0	47.5		15.0	44.0	46.0	50.0	77.5	78.0	97.5
Upstream Boundary		57.0		18.5	53.5	56.0	60.5	93.0	93.5	117.0
(256.5)	95.5	73.0		31.0	79.0	81.5	88.0	131.5	132.5	166.5
Huntington Tri- State	80.5	68.0	20.5		29.0	31.5	35.5	62.5	63.5	82.5
Downstream	98.5	82.0	25.0		35.0	37.0	41.5	74.0	75.0	98.0

Table 8. Ohio River annual percentile travel times between O-Ds (hours), 2013.

Destination Origin (Ohio River Mile)	Ohio River Upstream End / Pittsburgh Upstream Boundary (0) 130.0	Pittsburgh Downstream Boundary (40) 107.5	Huntington Tri-State Upstream Boundary (256.5) 35.0	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576) 48.0	Louisville Upstream Boundary (593) <b>50.5</b>	Louisville Downstream Boundary (616) <b>57.0</b>	Mount Vernon Upstream Boundary (827)	Mount Vernon Downstream Boundary (833)	Ohio River Downstream End (981) 136.0
Upstream Boundary										
(356.5)										
Cincinnati	122.0	109.5	61.5	41.5		2.0	6.0	33.5	34.0	53.5
Downstream Boundary	149.0	133.0	75.5	50.5		2.5	7.0	39.5	40.0	63.5
(576)	196.5	174.0	101.0	66.0		2.5	9.0	52.5	53.5	88.0
Louisville	124.5	112.5	64.5	44.5	3.0		4.0	31.5	32.0	51.5
Upstream Boundary (593)		136.0	79.0	54.0			4.5	37.0	38.0	61.0
(393)	200.5	178.0	105.0	70.0	4.0		6.5	50.0	51.0	85.0
Louisville	130.5	118.0	70.5	50.0	8.5	6.0		27.5	28.0	47.5
Downstream Boundary	159.5	143.0	86.0	61.0		7.0		32.5	33.5	56.5
(616)	209.0	186.5	114.0	79.0	13.0	9.0		43.5	44.5	78.5
	172.0	160.0	112.0	92.0	50.5	47.5	42.0		1.0	20.0

Destination Origin (Ohio River Mile)	Ohio River Upstream End / Pittsburgh Upstream Boundary	Pittsburgh Downstream Boundary (40)	Huntington Tri-State Upstream Boundary (256.5)	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576)	Louisville Upstream Boundary (593)	Louisville Downstream Boundary (616)	Mount Vernon Upstream Boundary (827)	Mount Vernon Downstream Boundary (833)	Ohio River Downstream End (981)
Mount Vernon Upstream Boundary		193.5	136.5	111.5	60.5	57.5	50.5		1.0	24.0
(827)	273.5	251.0	178.5	143.5	77.5	73.5	64.5		1.5	35.5
Mount Vernon	173.5	161.0	113.0	93.0	51.5	48.5	43.0	1.0		19.5
Downstream Boundary			137.5		62.0	58.5	52.0	1.5		23.0
(833)	275.5	253.0	180.0	145.0	79.0	75.0	66.0	1.5		34.0
Ohio River	200.0	188.0	140.0	120.0	78.5	75.5	70.0	28.0	27.0	
Downstream End (981)										
	320.0	297.5	225.0	190.0	123.5	119.5	111.0	46.5	44.5	

Destination Origin (Ohio Rive: Mile)	Ohio River Upstream End / Pittsburgh Upstream Boundary (0)	Pittsburgh Downstream Boundary (40)	Huntington Tri-State Upstream Boundary (256.5)	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576)	Louisville Upstream Boundary (593)	Louisville Downstream Boundary (616)	Mount Vernon Upstream Boundary (827)	Mount Vernon Downstream Boundary (833)	Ohio River Downstream End (981)
Ohio River Upstream End /	25 <sup>th</sup>	10.0	46.0	61.0	89.5	91.5	95.5	122.5	123.5	142.5
Pittsburgh Upstream	50 <sup>th</sup>	14.0	58.5	78.5	113.0	115.0	120.0	152.5	153.5	176.0
Boundary (0)	75 <sup>th</sup>	22.0	90.0	125.5	174.0	176.5	184.0	230.5	231.5	264.0
Pittsburgh	12.0		36.0	51.0	79.5	81.5	85.5	112.5	113.5	132.5
Downstream Boundary	16.5		44.5		98.5	101.0	106.0		139.5	162.0
(40)	23.0		68.0	104.0	152.0	155.0	162.5	208.5	210.0	242.0
Huntington Tri-State	57.5	45.0		15.0	43.5	45.5	49.5	76.5	77.0	96.5
Upstream Boundary	71.5	55.5		20.0	54.0	56.5	61.5		95.0	117.5
(256.5)	97.5	74.5		36.0	84.5	87.0	94.5	140.5	142.0	174.0
Huntington Tri-State	77.5	65.5	20.0		28.5	30.5	34.5	61.5	62.5	81.5
Downstream	97.5	81.0	25.5		34.5	36.5	41.5	74.0	75.0	98.0

Table 9. Ohio River annual percentile travel times between O-Ds (hours), 2014.

Destination Origin (Ohio Rive: Mile)  / Cincinnati Upstream Boundary (356.5)	Ohio River Upstream End / Pittsburgh Upstream Boundary (0) 136.0	Pittsburgh Downstream Boundary (40) 113.0	Huntington Tri-State Upstream Boundary (256.5) 38.5	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576) 48.5	Louisville Upstream Boundary (593) <b>51.0</b>	Louisville Downstream Boundary (616) 58.5	Mount Vernon Upstream Boundary (827) 104.5	Mount Vernon Downstream Boundary (833) 106.0	Ohio River Downstream End (981) 138.5
Cincinnati Downstream Boundary (576)	117.5 146.0 199.5	105.5 130.0 176.0	60.5 74.6 101.5	40.5 49.0 63.5		2.0 2.5 2.5	6.0 7.0 10.0	33.0 40.0 56.5	34.0 40.6 57.5	53.0 63.6 90.0
Louisville Upstream Boundary (593)	120.5 149.5 203.5	108.5 133.5 180.0	63.5 78.0 105.5	43.0 52.5 67.5	3.0 3.5 4.0		4.0 5.0 7.5	31.0 37.5 53.5	32.0 38.5 55.0	51.0 61.0 87.5
Louisville Downstream Boundary (616)	126.5 156.5 212.5	114.5 140.6 189.5	69.0 85.0 115.0	49.0 59.5 76.5	9.0 10.5 13.5	6.0 7.0 9.5		27.0 32.5 46.0	28.0 33.6 47.5	47.0 56.0 80.0
	168.5	156.5	111.5	91.0	51.0	48.0	42.0		1.0	20.0

Destination Origin (Ohio Rive: Mile)	Ohio River Upstream End / Pittsburgh Upstream Boundary (0)	Pittsburgh Downstream Boundary (40)	Huntington Tri-State Upstream Boundary (256.5)	Huntington Tri-State Downstream / Cincinnati Upstream Boundary (356.5)	Cincinnati Downstream Boundary (576)	Louisville Upstream Boundary (593)	Louisville Downstream Boundary (616)	Mount Vernon Upstream Boundary (827)	Mount Vernon Downstream Boundary (833)	Ohio River Downstream End (981)
Mount Vernon Upstream Boundary	208.5	192.0	136.5	111.0	62.0	58.5	51.5		1.0	23.5
(827)	280.0	257.0	182.5	144.0	81.0	77.0	67.5		1.5	33.5
Mount Vernon	169.5	157.5	112.5	92.5	52.0	49.0	43.0	1.0		19.5
Downstream Boundary	209.5	193.5	138.0	112.5	63.5	60.0				22.5
(833)	282.0	258.5	184.0	145.5	82.5	78.5	69.0	1.5		32.5
Ohio River	197.0	185.0	140.0	119.5	79.5	76.5	70.5	28.5	27.5	
Downstream End				145.5	96.5	93.0				
(981)	326.5	303.0	229.0	190.5	127.0	123.0	114.0	46.5	44.5	

The study also compared the 25th, 50th (median), and 75th percentile travel time estimates by O-D pair by month over the 2-year 2013 and 2014 period, as shown in Figure 15. This study undertook this exercise for consecutive O-D pairs only. Note: for each O-D pair, the figure on the left is for downstream trips, and the figure on the right is for upstream trips. The solid lines and dark grey bars provide 2014 results while the dotted lines and light gray bars provide 2013 results. Months without information indicate the study had no transit data for that time period for at least one of the links that make up the path between the O-D pair. The lack of transit data can be due to temporary loss of AIS coverage. How each link contributes to the results can be seen in the disaggregated results in Appendix B.

The objective of Figure 15a through Figure 15r is to easily visualize the changes in travel times from year-to-year and month-to-month. Locations with large variances or with negative performance trends are candidates for further investigation into the causes and any potential corrective actions to operations or maintenance, if warranted. Conversely, improvements in performance trends can serve as candidates to identity best practices among the lock community.

Figure 15. O-D for the Ohio River links 1-56, travel time estimates by month, year, and direction. (Figure on the left is downstream trips. Figure on the right is upstream trips.)

Figure 15a and Figure 15b. Ohio River, upstream end (Pittsburgh upstream boundary) to Pittsburgh downstream boundary; River Miles 0-40; and vice-versa; Links 1-5.

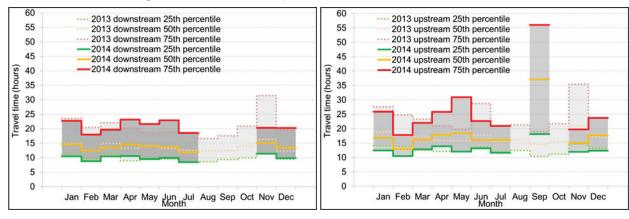


Figure 15c and Figure 15d. Pittsburgh downstream boundary to Huntington tri-state upstream boundary; River Miles 40-256.5; and vice-versa; Links 6-18.

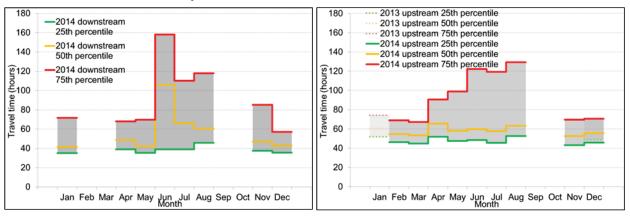


Figure 15e and Figure 15f. Huntington tri-state upstream boundary to Huntington tri-state downstream (Cincinnati upstream) boundary; River Miles 256.5-356.5; and vice-versa; Links 19-25.

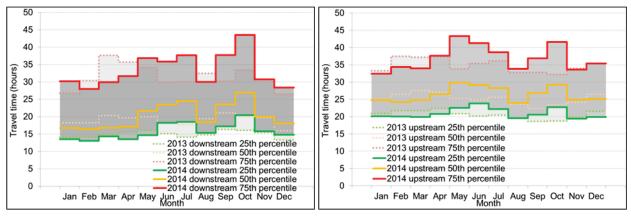


Figure 15g and Figure 15h. Huntington tri-state downstream (Cincinnati upstream) boundary to Cincinnati downstream boundary; River Miles 356.5-576; and vice-versa; Links 26-34.

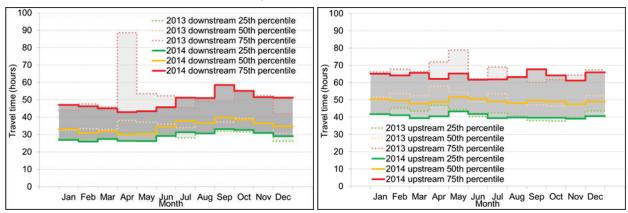


Figure 15i and Figure 15j. Cincinnati downstream boundary to Louisville upstream boundary; River Miles 576-593; and vice-versa; Link 35.

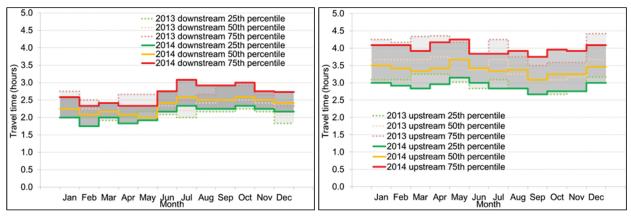


Figure 15k and Figure 15l. Louisville upstream boundary to Louisville downstream boundary; River Miles 593-616; and vice-versa; Links 36-38.

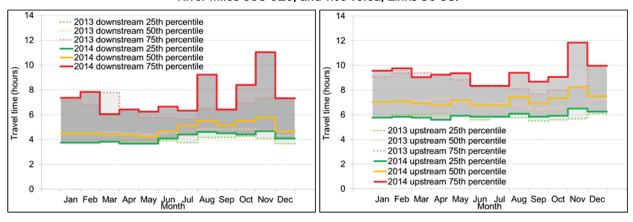
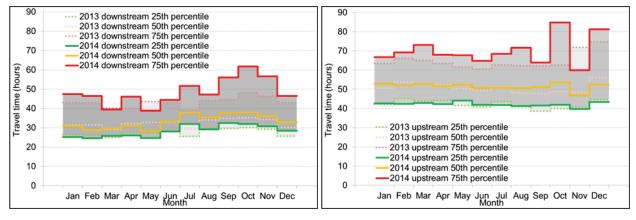


Figure 15m and Figure 15n. Louisville downstream boundary to Mount Vernon upstream boundary; River Miles 616-827; and vice-versa; Links 39-44.



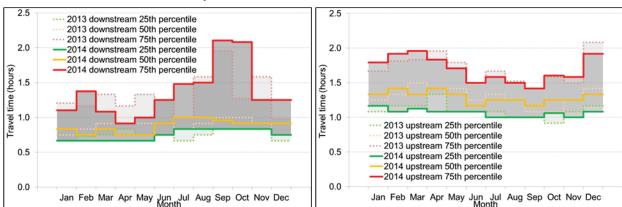
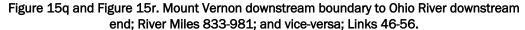
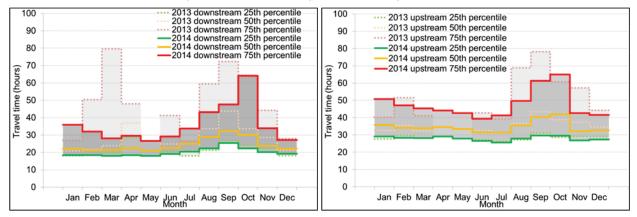


Figure 15o and Figure 15p. Mount Vernon upstream boundary to Mount Vernon downstream boundary; River Miles 827-833; and vice-versa; Link 45.





In Figure 15b, the jump in travel times in September 2014 for upstream direction of travel is reflecting the high travel times in link 2, which are detailed in Appendix A. The link does contain a lock, although no reported major lock outages can be found in the USACE LPMS. In Figure 15g, the jump in travel times in April 2013 for downstream direction of travel can be attributed to link 26.

These results suggest voyage planning would benefit from travel time estimates at a disaggregated time period (e.g., by week) as there is much variation in the travel times from year-to-year and month-to-month. It can also be seen that the least amount of change occurs for the 25th percentile travel time which supports using this measure as a free flow speed. Also, there is a much larger difference between the 50th (median) and 75th percentile travel times than the 25th and 50th (median) percentile travel times, which may indicate the travel times are skewed to the right.

The results from this chapter provide Ohio River travel times and other performance measures that can assist in voyage planning and also in operations and maintenance decision making.

# 5 Case Study: Upper Mississippi River

This study applied the methodology described above to develop a travel time statistical profile of the Upper Mississippi River based on 2013 and 2014 AIS data. The study considered both the upstream and downstream direction of travel.

## 5.1 River description

The Upper Mississippi River connects the north-central and central United States. The river flows approximately 1,300 miles from Lake Itasca in Northern Minnesota to its confluence with the Ohio and Lower Mississippi Rivers, at the southern tip of Illinois at Upper Mississippi River Mile o (St. Paul District 2014). Along the way, it passes along the borders of Minnesota, Wisconsin, Iowa, Illinois, and Missouri. The Upper Mississippi River is shown in Figure 16.

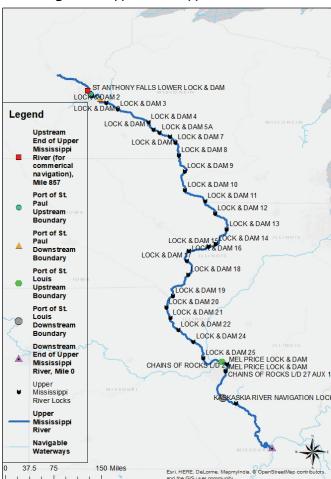
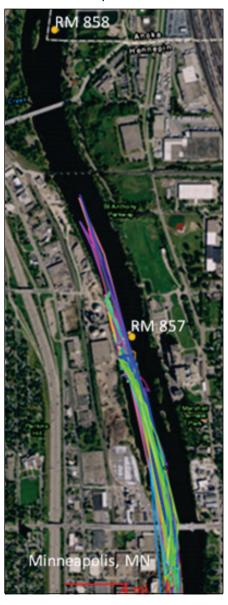


Figure 16. Upper Mississippi River location.

For this study, the Upper Mississippi River starting point was River Mile 857 (Figure 17), as that is the farthest location upstream that AIS position reports of commercial traffic on the river are available. On 10 June 2015, the Upper Saint Anthony Falls L&D, located at Mississippi River Mile 853.9, was closed to all vessel traffic — commercial, recreational, and other navigational use. The closure was required by the Water Resources Reform and Development Act of 2014. Any cargo that would have transited the lock must henceforth be moved by other modes of transport (St. Paul District 2016).

Figure 17. Vessel tracks, Upper Mississippi River near River Mile 857; 2013 and 2014.



The USACE maintains navigation along the waterway and guarantees a channel depth of 9 ft. To provide a dependable navigation depth along the river, the USACE operates a series of locks and dams along the river, which create water pools. There are 29 navigation locks, included the now-closed Upper St. Anthony Falls L&D, along the Upper Mississippi River.

A total of 110 million short tons of cargo moved on barges on the Upper Mississippi River during calendar year 2012. Major commodities transported on the river include coal, lignite, and coal coke; petroleum and petroleum products; chemicals and related products; crude materials; manufactured goods; food and farm products; and manufactured equipment and machinery (Waterborne Commerce Statistics Center 2014).

## 5.2 AIS data acquisition

This study acquired AIS data for the Upper Mississippi River for the years 2013 and 2014. The data source was the NAIS. The AIS data were down sampled to 12 per hour per vessel, or equivalently, an AIS record every 5 min.

# 5.3 Origins and destinations

This study identified multiple O-Ds along the Upper Mississippi River. These include the Upper Mississippi River ports that rank in the top 100 leading US ports, based on 2013 rankings. These ports are as follows: No. 17 St. Louis, MO, and IL; and No. 78 St. Paul, MN (Navigation and Civil Works Decision Support Center 2015). Because the ports are several miles long, the study chose the upstream and downstream boundary of each port as an O-D. Table 10 lists the port boundaries, as per the USACE Navigation Data Center Complete Dock List (USACE 2011).

Port	Upstream, River Mile	Downstream, River Mile	
St. Paul, MN	851	830	
St. Louis, MO, and IL	208	138	

Table 10. Port boundaries.

In addition, with AIS reports the study identified as O-Ds the upstream end of the river (River Mile 857) and the downstream end of the river (River Mile 0) for the study to encompass the entire river.

In total, there are six unique points designated as O-Ds, as shown in Figure 16. The study considered each location as an origin and as a destination to accommodate that a location can be an origin for one direction of travel but a destination for the other direction. Also, the study considered that because with multiple O-Ds, a location can be a destination to a previously visited location but then an origin to a subsequent location.

#### 5.4 Links

This study segmented the waterway between the O-Ds into links. The study designated the following locations as link beginning/ends: the study's O-Ds, locations at the upstream and downstream approaches of locks, confluences with navigable rivers, and places where the study authors observed noticeable changes in transits such as at additional ports along the waterway. The following paragraphs describe the link beginning/end locations in more detail.

The study created an individual link for each lock. The study designated a link beginning/end at 5 miles upstream and another link beginning/end 5 miles downstream of each lock such that the link was at the midpoint of a 10-mile-long link. Exceptions are as follows:

- Lower St. Anthony Falls L&D and Upper St. Anthony Falls L&D are within the same link because they are only 0.6 river miles apart. The end of commercially navigable water dictates the link's upstream end at River Mile 857. The proximity to L&D 1 dictates the link's downstream end at River Mile 851. Thus, the link is only 6 miles long.
- L&D 1 is on a link only 7 miles long because of the lock's upstream proximity to Lower St. Anthony Falls L&D and because the confluence of the Upper Mississippi River and Minnesota River at River Mile 844 dictates the link's downstream end.
- The confluence of the Upper Mississippi River and the St. Croix River at River Mile 811 dictates the downstream end of the link at L&D 2. The study placed the other link end 10 miles upstream.
- The proximity to L&D 7 dictated the downstream end at L&D 6. The study placed the other link end 10 miles upstream.

 The confluence of the Upper Mississippi River with the Missouri River at River Mile 205 dictates the upstream end at Melvin Price L&D. The study placed the other link end 10 miles downstream.

Table 11 lists the name of each Upper Mississippi River navigation lock, its location, and the beginning and end river miles of the link that contains it. The study rounds lock locations to integer river miles to simplify the locations of the links. The table lists the links from upstream to downstream, thus from largest to smallest river mile.

Table 11. Lock locations and associated link beginning/end points.

Lock	Location (River Mile)	Link Upstream Beginning/Endpoint (River Mile)	Link Downstream Beginning/Endpoint (River Mile)
Upper St. Anthony Falls L&D	853.9	857	851
Lower St. Anthony Falls L&D	853.3	857	851
L&D 1	847.6	851	844
L&D 2	815.2	821	811
L&D 3	796.9	802	792
L&D 4	752.8	758	748
L&D 5a	738.1	743	733
L&D 5	728.5	733	723
L&D 6	714.3	718	708
L&D 7	702.5	708	698
L&D 8	679.2	684	674
L&D 9	647.9	653	643
L&D 10	615.1	620	610
L&D 11	583	588	578
L&D 12	556.7	562	552
L&D 13	522.5	527	517
L&D 14	493	498	488
L&D 15	482.9	488	478
L&D 16	457.2	462	452
L&D 17	437.1	442	432
L&D 18	410.5	415	405
L&D 19	364.3	369	359
L&D 20	343.2	348	338

Lock	Location (River Mile)	Link Upstream Beginning/Endpoint (River Mile)	Link Downstream Beginning/Endpoint (River Mile)
L&D 21	324.9	330	320
L&D 22	301.2	306	296
L&D 24	273.4	278	268
L&D 25	241.4	246	236
Melvin Price L&D	200.8	205	195
L&D 27	185.5	190	180

Additional link beginning/end locations were placed at the confluence with the Illinois River (River Mile 218), at the confluence with the Kaskaskia River (River Mile 117), and at River Miles 48 and 99 to decrease the length of links at the downstream end of the river. The total number of links is 59. Table 12 lists each link, its length, the river miles it runs between, the port included within it, and/or the lock contained within it, if applicable.

Table 12. Upper Mississippi River links and their characteristics.

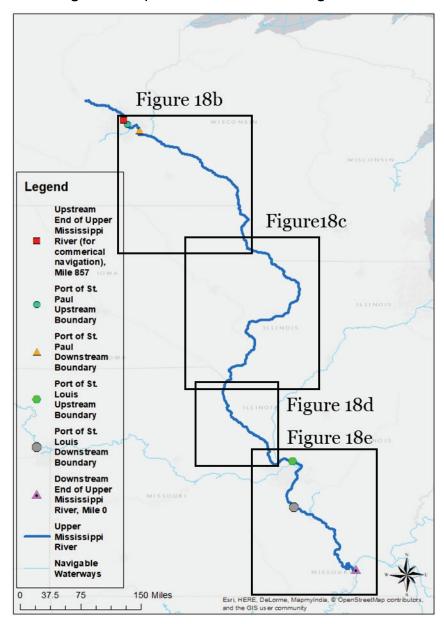
	Link Upstream	Link Downstream			100 Port or Lock) within Link
Link #	Boundary (River Mile)	Boundary (River Mile)	Link Length (River Mile)	Port Name	Lock Name
					Upper and Lower St. Anthony Falls (S.A.F.U.
1	857	851	6		and (S.A.F.L.) L&Ds
2	851	844	7	St. Paul, MN	L&D 1
3	844	830	14	St. Paul, MN	
4	830	821	9		
5	821	811	10		L&D 2
6	811	802	9		
7	802	792	10		L&D 3
8	792	758	34		
9	758	748	10		L&D 4
10	748	743	5		
11	743	733	10		L&D 5a
12	733	723	10		L&D 5
13	723	718	5		

	Link Link Upstream Downstream		Link Length		LOO Port or Lock) vithin Link
Link#	Boundary (River Mile)	Boundary (River Mile)	Link Length (River Mile)	Port Name	Lock Name
14	718	708	10		L&D 6
15	708	698	10		L&D 7
16	698	684	14		
17	684	674	10		L&D 8
18	674	653	21		
19	653	643	10		L&D 9
20	643	620	23		
21	620	610	10		L&D 10
22	610	588	22		
23	588	578	10		L&D 11
24	578	562	16		
25	562	552	10		L&D 12
26	552	527	25		
27	527	517	10		L&D 13
28	517	498	19		
29	498	488	10		L&D 14
30	488	478	10		L&D 15
31	478	462	16		
32	462	452	10		L&D 16
33	452	442	10		
34	442	432	10		L&D 17
35	432	415	17		
36	415	405	10		L&D 18
37	405	369	36		
38	369	359	10		L&D 19
39	359	348	11		
40	348	338	10		L&D 20
41	338	330	8		
42	330	320	10		L&D 21
43	320	306	14		
44	306	296	10		L&D 22

	Link Upstream	Link Downstream		, .	100 Port or Lock) within Link
Link #	Boundary (River Mile)	Boundary (River Mile)	Link Length (River Mile)	Port Name	Lock Name
45	296	278	18		
46	278	268	10		L&D 24
47	268	246	22		
48	246	236	10		L&D 25
49	236	218	18		
50	218	205	13		
51	205	195	10	St. Louis, MO and IL	Melvin Price (M.P.) L&D
52	195	190	5	St. Louis, MO and IL	
53	190	180	10	St. Louis, MO and IL	L&D 27
54	180	171	9	St. Louis, MO and IL	
55	171	138	33	St. Louis, MO and IL	
56	138	117	21		
57	117	99	18		
58	99	48	51		
59	48	0	48		

Figure 18a through Figure 18e depict the locations of the links. Multiple figures are used to accommodate the length of the river. The particular section of waterway each link covers is depicted in Figure 18a. Figure 18b shows the links farthest north (upstream) on the river while Figure 18e shows the links farthest south (downstream).

Figure 18. Upper Mississippi River segmented into links 1-59. Figure 18a. Depiction of locations shown in Figures 18b-e.



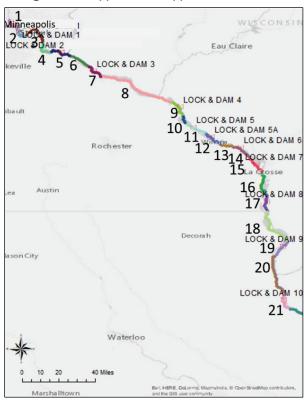
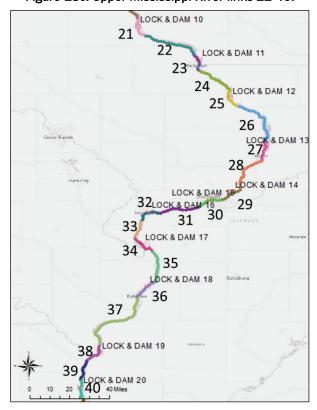


Figure 18b. Upper Mississippi River links 1-21.

Figure 18c. Upper Mississippi River links 22-40.

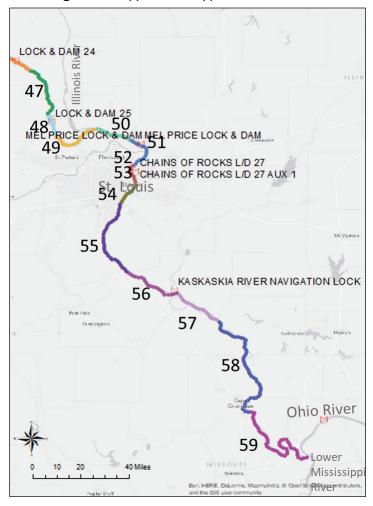


41
42
43
LOCK & DAM 21
44
45
LOCK & DAM 24
46

LOCK & DAM 25

Figure 18d. Upper Mississippi River links 41-46.

Figure 18e. Upper Mississippi River links 47-59.



# 5.5 Upper Mississippi River results

This section provides an Upper Mississippi River travel time statistical profile. The study calculated the statistics by applying the methodologies described previously to 2013 and 2014 AIS data. The statistics are as follows:

- · number of transits by link
- AIS sampling rate for links containing locks
- 25th, 50th (median), and 75th percentile travel times by link
- average travel time, standard deviation, and COV by link
- total travel time above baseline for links containing locks
- 25th, 50th (median), and 75th percentile travel times by O-D pair.

The study provides results aggregated into the following time periods: weekly, monthly, and annually. The study does not provide results disaggregated to time periods less than 1 week or to individual transits to protect commercial sensitivity of the data.

#### 5.5.1 Link number of transits and NAIS sampling rate

The study estimated the number of transits per link based on 2013 and 2014 NAIS data, with outliers removed. Results by year are shown in Figure 19a and Figure 19b. Results in table format by year, month, and week are presented in Appendix C.

The study measured the NAIS sampling rate or the percentage of transits captured via the NAIS. The study applied USACE LPMS Arrival Report lockage reports as proxies for ground truth data in the same manner described in Section 4.5.1 for the Ohio River results.

The following figures show the NAIS sampling rate for links containing locks for 2013 and 2014. Figure 19a shows the results for the first 15 upstream locks, and Figure 19b shows the results for the 14 downstream locks. For each link, the blue bar represents the total number of transits based on the ground truth data for 2013 and the green bar for 2014. The shading on each bar represents the portion of these ground truth transits that the NAIS captured. The number in white on each bar is the sampling rate.

Figure 19. Upper Mississippi River number of transits via NAIS and ground truth, 2013 and 2014.

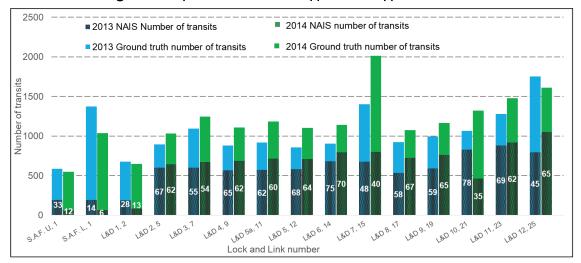
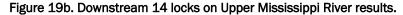


Figure 19a. Upstream 15 locks on Upper Mississippi River results.



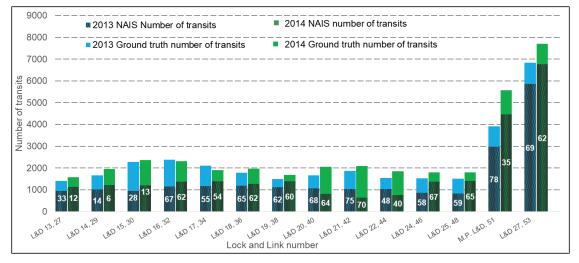


Figure 19b shows that the traffic volume is much greater at the two farthest downstream locks. Except for the three farthest upstream locks, the NAIS sampling rate is approximately 50%, and reaches 80% at the locks located farthest downstream.

# 5.5.2 Link travel times by percentile

The study estimated the 25th, 50th (median), and 75th percentile travel times by link based on 2013 and 2014 AIS data. Figure 20 and Figure 21 (for 2013 and 2014, respectively) illustrate the annual results, with estimated trajectory plots of vessels as if they were to transit the entire

Upper Mississippi River at the annual 25th percentile travel time (green line), 50th (median) percentile travel time (amber line), or 75th percentile travel time (red line). The time begins at hour zero and vessels traveling downstream begin at River Mile 857 while vessels traveling upstream begin at River Mile o. The arrow on each line represents the direction of travel. On the graphs, the river mile numbers are on the left *y*-axis and are staggered to be able to clearly see them; the link numbers and the names of the locks associated with the links are also included near to the right *y*-axis. Results in table format by year, month, and week are presented in Appendix C: Upper Mississippi River Additional Results.

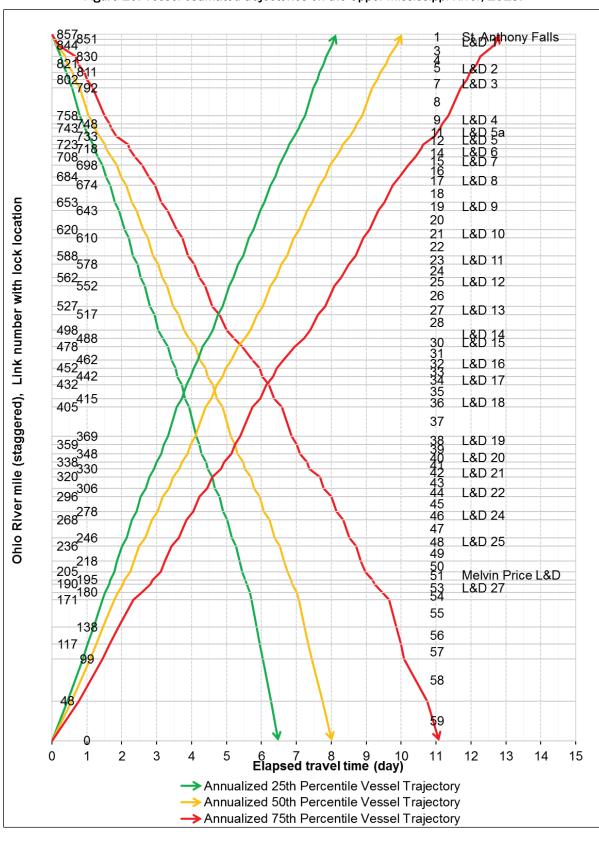


Figure 20. Vessel estimated trajectories on the Upper Mississippi River, 2013.

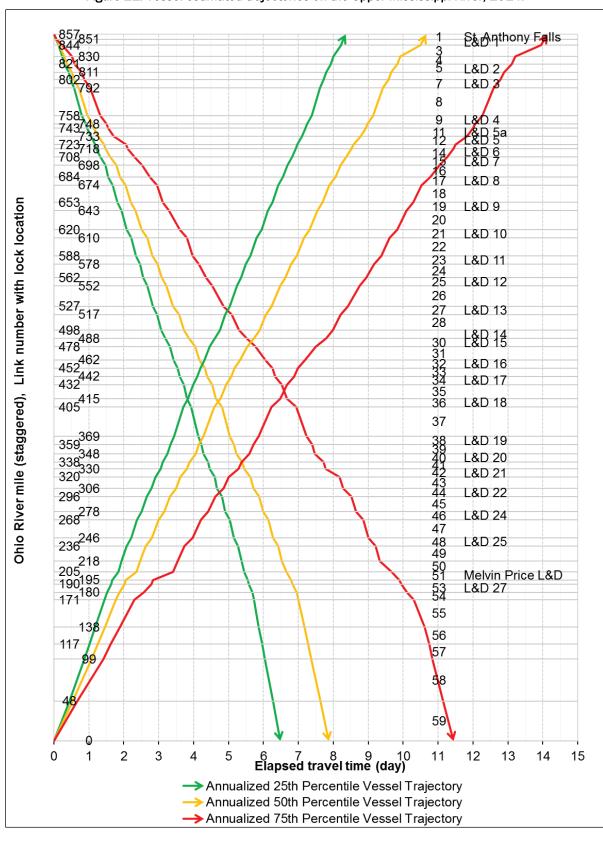


Figure 21. Vessel estimated trajectories on the Upper Mississippi River, 2014.

The following conclusions may be reached from the results. From the slopes of the lines, trends are visible in the waterway travel times and speeds, such as this study described in the Oho River results section. Overall, the difference in the travel times between the 25th and 75th percentile was large; the interquartile range was 4.6 days for 2013 downstream direction of travel, 4.7 days for 2013 upstream direction of travel, 5 days for the 2014 downstream direction of travel, and 5.8 days for the upstream direction of travel.

A year-to-year comparison shows the annualized travel times from 2013 to 2014 increased overall. In the upstream direction of travel, travel times increased by 5 hr, 15 hr, and 31 hr for the 25th, 50th (median), and 75th percentile travel times, respectively. In the downstream direction of travel, travel times remained constant or slightly improved for the 25th and 50th percentile travel times but increased by 8.6 hr for the 75th percentile travel time. These results support future studies to examine what caused the change from year-to-year, such as traffic conditions, environmental factors, or operations at locks.

In addition, by comparing upstream-to-downstream travel times, one can see that downstream travel times are faster than upstream travel times by at least 1.7 days (25th percentile upstream-to-downstream comparison in 2013) to at most 2.8 days (50th (median) percentile upstream-to-downstream comparison in 2014). Thus, as this study also concludes in the Ohio River results, there is a large variation in vessel travel times on the Upper Mississippi River and it is recommended that not only a range of travel times be provided via any future RIS but that future research be conducted to isolate the causes of the variations and to quantify their impacts.

### 5.5.3 Link travel times average, standard deviation, and COV

The study estimated the average travel time, standard deviation of travel time, and COV by link based on 2013 and 2014 AIS data. Table 13 provides the annualized results. By variable (column), conditional formatting highlights a link's result, relative to other links. The formatting highlights the lowest relative values in green and the highest in red. Results in table format by year, month, and week are in Appendix C. Note: in the tables in Appendix C, the study omitted the COV as the reader can easily calculate it from the provided data.

Table 13. Upper Mississippi River link average, standard deviation, and COV of travel time, 2013 and 2014.

	Г	Downstre	eam Di	rection c		o and z		Upstrea	ım Dire	ction of	Travel	
Year		2013			2014			2013			2014	
Link	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV	Average Travel Time (hour)	Standard Deviation (hour)	COV
1	2.8	7.1	2.6	1.8	0.5	0.3	2.0	2.9	1.5	2.4	3.2	1.3
2	2.9	5.4	1.9	7.5	14.6	1.9	2.9	5.5	1.9	3.0	4.0	1.3
3	8.0	5.8	0.7	6.2	5.3	0.9	7.9	5.2	0.7	11.6	6.2	0.5
4	1.8	1.2	0.7	1.9	1.4	0.7	2.3	1.5	0.6	2.8	2.0	0.7
5	4.4	5.8	1.3	4.5	3.6	0.8	4.2	3.1	0.7	4.9	3.2	0.7
6	1.7	1.0	0.6	1.6	1.1	0.7	2.1	1.1	0.5	2.3	1.2	0.5
7	4.1	5.4	1.3	3.9	4.1	1.0	4.5	5.1	1.1	4.2	3.9	0.9
8	8.5	7.3	0.9	7.9	6.5	0.8	8.1	5.0	0.6	8.3	6.9	0.8
9	3.9	5.0	1.3	4.8	7.4	1.5	4.7	6.6	1.4	5.5	8.7	1.6
10	0.9	0.2	0.2	0.9	0.4	0.5	1.3	0.5	0.4	1.5	0.9	0.6
11	4.8	9.0	1.9	3.5	2.2	0.6	4.2	5.0	1.2	4.7	7.6	1.6
12	6.7	8.5	1.3	6.7	7.0	1.0	7.0	8.6	1.2	6.9	7.3	1.1
13	0.9	0.5	0.5	0.9	0.7	0.7	1.3	0.7	0.5	1.4	0.8	0.6
14	3.4	1.7	0.5	4.4	5.3	1.2	4.0	3.3	0.8	5.0	7.4	1.5
15	4.5	3.1	0.7	5.7	7.0	1.2	4.2	3.1	0.7	5.0	5.6	1.1
16	4.3	3.5	0.8	4.7	4.4	0.9	5.0	3.4	0.7	5.2	3.7	0.7
17	4.4	5.0	1.1	4.5	3.0	0.7	4.5	3.0	0.7	5.9	5.4	0.9
18	4.1	2.2	0.5	4.2	3.4	0.8	5.3	2.3	0.4	5.3	2.6	0.5
19	3.7	1.9	0.5	4.0	2.7	0.7	3.9	1.8	0.5	4.0	2.2	0.5
20	5.7	3.7	0.6	6.9	6.2	0.9	5.8	2.4	0.4	6.1	2.7	0.4
21	3.6	2.7	0.7	6.4	9.3	1.4	4.4	4.3	1.0	5.7	7.6	1.3
22	4.0	2.0	0.5	4.1	2.7	0.7	5.1	2.1	0.4	5.4	2.9	0.5
23	4.3	4.7	1.1	4.1	3.5	0.9	4.1	2.1	0.5	4.7	4.0	0.9
24	3.6	3.1	0.9	4.3	3.7	0.9	4.7	2.9	0.6	4.8	3.1	0.7

	[	Downstre	eam Di	rection c	of Travel			Upstrea	am Dire	ction of	Travel	
Year		2013			2014			2013			2014	
25	4.0	4.7	1.2	4.3	5.1	1.2	4.1	2.5	0.6	4.2	3.2	0.7
26	5.1	3.7	0.7	7.1	6.2	0.9	6.0	2.5	0.4	7.3	4.2	0.6
27	5.0	6.2	1.2	5.7	6.7	1.2	4.4	2.6	0.6	4.6	3.3	0.7
28	5.1	4.8	0.9	4.9	4.6	0.9	5.0	2.8	0.6	5.2	3.4	0.7
29	5.0	5.3	1.1	5.1	4.7	0.9	4.3	3.5	0.8	4.4	3.7	0.8
30	6.0	6.0	1.0	5.8	5.7	1.0	5.6	4.8	0.9	5.8	4.0	0.7
31	5.5	4.7	0.9	5.0	4.3	0.9	6.2	4.0	0.6	6.0	3.6	0.6
32	4.6	4.9	1.1	4.8	5.3	1.1	4.4	4.1	0.9	4.7	3.7	0.8
33	1.8	1.3	0.7	1.7	1.1	0.7	2.5	1.6	0.6	2.4	1.4	0.6
34	4.6	4.1	0.9	4.6	4.6	1.0	4.3	3.9	0.9	4.4	3.4	0.8
35	3.8	3.1	0.8	3.7	3.2	0.9	4.2	1.9	0.5	4.4	2.2	0.5
36	4.8	3.8	0.8	6.1	6.7	1.1	5.4	6.0	1.1	5.3	4.6	0.9
37	6.9	5.0	0.7	7.0	5.0	0.7	8.4	5.6	0.7	8.5	5.6	0.7
38	3.8	4.8	1.3	4.1	5.5	1.3	3.6	3.7	1.0	3.8	4.2	1.1
39	2.2	1.8	0.8	2.1	2.0	0.9	2.4	1.3	0.5	2.6	1.3	0.5
40	4.6	4.4	1.0	6.2	7.9	1.3	4.8	5.3	1.1	5.4	6.0	1.1
41	1.3	0.8	0.6	1.4	1.1	0.8	2.0	1.1	0.5	2.3	1.9	0.8
42	6.2	6.5	1.0	7.0	6.2	0.9	5.6	5.9	1.1	5.5	3.6	0.6
43	2.7	2.2	0.8	2.9	2.9	1.0	3.3	1.9	0.6	3.3	1.6	0.5
44	5.8	6.5	1.1	5.4	6.3	1.2	5.0	4.5	0.9	5.7	7.2	1.3
45	3.8	3.1	0.8	3.9	3.5	0.9	4.4	3.0	0.7	4.8	3.4	0.7
46	5.3	8.3	1.6	4.8	5.8	1.2	5.6	9.1	1.6	5.4	7.4	1.4
47	4.0	2.3	0.6	3.8	3.1	8.0	5.0	2.3	0.5	5.2	2.6	0.5
48	5.0	7.4	1.5	5.0	5.1	1.0	4.8	5.9	1.2	5.6	5.6	1.0
49	3.4	3.2	1.0	2.7	1.8	0.7	4.4	3.0	0.7	4.4	2.8	0.6
50	3.1	2.8	0.9	5.8	5.3	0.9	2.7	1.3	0.5	2.8	1.4	0.5
51	5.4	9.0	1.7	5.5	7.8	1.4	5.9	7.7	1.3	10.7	9.3	0.9
52	1.5	1.4	0.9	1.3	1.1	0.8	1.1	0.7	0.6	1.2	0.9	0.7
53	5.4	6.6	1.2	4.0	4.1	1.0	6.5	8.1	1.2	4.5	4.1	0.9
54	3.3	3.5	1.1	3.4	3.6	1.1	4.2	3.7	0.9	4.5	3.8	0.8
55	5.4	5.6	1.0	6.8	6.9	1.0	9.7	6.4	0.7	10.0	7.4	0.7
56	4.0	4.0	1.0	4.1	4.7	1.2	5.8	3.6	0.6	6.3	4.8	0.8

	[	Downstream Direction of Travel						Upstream Direction of Travel					
Year		2013		2014 2013				2014					
57	2.9	2.7	0.9	2.9	3.2	1.1	4.6	2.5	0.5	4.7	2.3	0.5	
58	13.2	13.1	1.0	9.4	10.8	1.2	15.1	9.2	0.6	18.0	14.5	0.8	
59	11.8	16.2	1.4	10.1	13.7	0.7	17.3	12.9	0.7	15.4	10.3	0.7	

From the results, the two links ranking the highest in average travel time and travel time standard deviation, links 58 and 59, are the longest in length. However, they have low COVs. Therefore, this study does not plan to shorten these links. The links with the highest COVs include links 1, 2, 9, and 11, and they include the locks at Upper and Lower St. Anthony Falls L&Ds, L&D 1, L&D 4, and L&D 5a, respectively. Thus, the study recommends these links, with the exception of link 1 which is now closed to navigation, as good candidates for further investigation of the variables that affect travel times on them.

#### 5.5.4 Link total travel time above baseline

The study estimated the annualized total travel time above baseline from 2013 and 2014 AIS data, shown in Figure 22. The study concentrated on links that include locks. The study applied the 25th percentile travel time as the expected travel time.

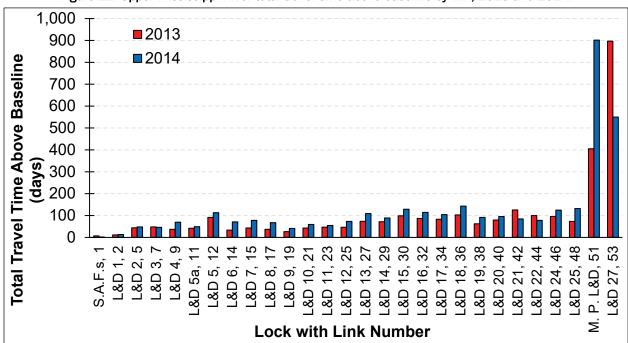


Figure 22. Upper Mississippi River total travel time above baseline by link, 2013 and 2014.

From the results, Melvin Price L&D and L&D 27 have the highest total travel time above baseline. These are also the locks with the most transits, as Figure 19 shows. In addition, the main chamber of Melvin Price L&D was closed from late December 2013 through 8 August 2014, which may also be reflected in the high 2014 travel time above baseline. Also, from 2013 to 2014, the performance metric became worse at all of the locks except L&D 27. Future studies are planned to look at the causes of the increase.

### 5.5.5 O-D percentile travel times

The study estimated the O-D 25th, 50th (median), and 75th percentile travel times from 2013 and 2014 AIS data. The study presented the annual results in a timetable format described subsequently. In addition, the study compared annual and weekly O-D results in graphs to analyze the proper time period to provide results. Last, results in table format by year, month, and week are presented in Appendix C.

Table 14 and Table 15 (for 2013 and 2014, respectively) provide the annualized results in a timetable format. The table is read as follows. The first column contains the list of origins and the first row contains the list of destinations. Each location is an origin and destination. The cell that falls at the intersection of the row of the origin and column of the destination contains the travel times between the O-D pair. Each cell contains three numbers: (1) the top is the 25th percentile travel time in hours, (2) the middle number is the 50th (median) percentile travel time, and (3) the bottom is the 75th percentile travel time. The cells above and to the right of the gray diagonal show downstream travel times, and the cells below and to the left of the diagonal show upstream travel times. Note: the study rounded the times to the nearest half-hour.

Table 14. Upper Mississippi River annual percentile travel times between O-Ds (hours), 2013.

Destination Origin (Ohio River Mile)	Upper Mississippi River  Upstream End (857)	St. Paul Upstream Boundary (851)	St. Paul Downstream Boundary (830)	St. Louis Upstream Boundary (205)	St. Louis Downstream Boundary (138)	Upper Mississippi River Downstream End (0)
Upper	25 <sup>th</sup>	1.5	6.0	131.0	140.5	155.5
Mississippi River	<b>50</b> <sup>th</sup>	1.5	9.0	161.5	173.5	192.5
Upstream End (857)	<b>75</b> <sup>th</sup>	2.0	16.0	215.5	236.5	266.0
St. Paul	1.5		4.5	129.5	139.0	154.0
Upstream Boundary	1.5		7.5	160.0	172.0	190.5
(851)	2.0		14.0	213.5	234.5	264.0
St. Paul	7.0	5.0		125.0	134.5	149.5
Downstream Boundary	9.0	7.0		152.5	164.5	183.5
(830)	13.5	11.5		199.0	220.5	249.5
St. Louis	152.5	151.0	146.0		9.5	24.5
Upstream Boundary	186.5	185.0	178.0		12.0	30.5
(205)	233.0	231.0	219.5		21.0	50.5
St. Louis	167.0	165.0	160.0	14.0		15.0
Downstream Boundary	205.0	203.5	196.5	18.5		19.0
(138)	262.5	260.5	248.5	29.0		29.5
Upper	195.5	194.0	188.5	42.5	28.5	
Mississippi River Downstream	240.5	238.5	231.5	53.5	35.5	
End (0)	308.0	306.0	294.5	75.0	45.5	

Table 15. Upper Mississippi River annual percentile travel times between O-Ds (hours), 2014.

per St. Paul	St. Paul	St. Louis	St. Louis	Upper Mississippi
ssippi Upstream ver	Downstream	Upstream	Downstream	River
am End Boundary	Boundary	Boundary	Boundary	Downstream End
57) (851)	(830)	(205)	(138)	(0)
5 <sup>th</sup> 1.5	5.8	130.8	140.8	155.6
) <sup>th</sup> 1.7	7.1	159.8	172.2	188.9
5 <sup>th</sup> 1.8	12.4	232.1	254.9	274.5
_				
.6	4.3	129.3	139.3	154.1
.7	5.4	158.2	170.5	187.2
1	10.6	230.3	253.0	272.7
	10.0			
.3 6.7		125.0	135.0	149.8
'.5 15.8		152.8	165.1	181.8
		040 =	0.40 =	000.4
1.9 19.8		219.7	242.5	262.1
6.1 154.5	147.8		10.0	24.8
8.9 197.1	181.3		12.3	29.1
7.1 255.0	235.2		22.8	42.4
2.0 170.4	163.7	15.9		14.8
0.6 218.9	203.1	21.8		16.7
3.9 291.8	272.0	36.8		19.7
0.4 198.9	192.1	44.4	28.5	
		56.8		
9.1 337.0	317.2	82.0	45.2	
	Ssippi (ver am End (851))  Sth	Ssippi (er am End (851) (851) (851) (830) (851) (830) (830) (851) (830)	Ssippi (er am End fer am End fer am End fer am End for (851) (851) (830) (205) (205) (830) (205)	Upstream   Boundary   Boundary

The study also compared the 25th, 50th (median), and 75th percentile travel time estimates by O-D pair by month over the 2-year 2013 and 2014 period, as shown in Figure 23a through Figure 23j. This study undertook this exercise for consecutive O-D pairs only. Note: for each O-D pair, the figure on the left is for downstream trips and the figure on the right is for upstream trips. The solid lines and dark grey bars provide 2014 results while the dotted lines and light gray bars provide 2013 results. Months without information mean the study had no transit data for that time period for at least one of the links that make up the path between the O-D

pair. How each link contributes to the results can be seen in the disaggregated results in Appendix C.

The objective of Figure 23a through Figure 23j is to easily visualize the changes in travel times from year-to-year and month-to-month. Locations with large variances or with negative performance trends should be considered as candidates for both further investigation into the causes and any potential corrective actions, such as operations or maintenance, if warranted.

Figure 23. O-D for the Upper Mississippi River links 1-59, travel time estimates by month, year, and direction. (Figure on the left is downstream trips. Figure on the right is upstream trips.)

Figure 23a and Figure 23b. Upper Mississippi River upstream end to St. Paul upstream boundary; River Miles 857-851; and vice-versa; Link 1.

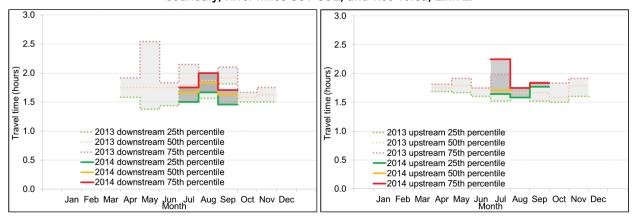


Figure 23c and Figure 23d. St. Paul upstream boundary to St. Paul downstream boundary; River Miles 851-830; and vice-versa; Links 2 and 3.

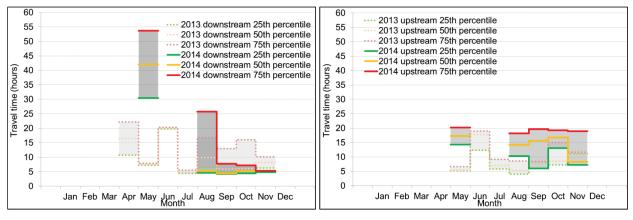


Figure 23e and Figure 23f. St. Paul downstream boundary to St. Louis upstream boundary; River Miles 830-205; and vice-versa; Links 4-50.

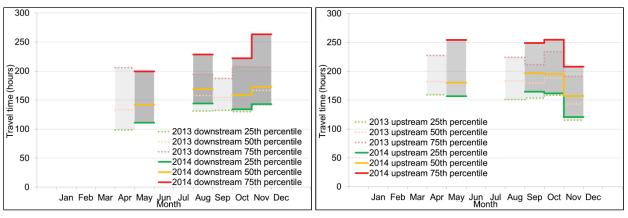


Figure 23g and Figure 23h. St. Louis upstream boundary to St. Louis downstream boundary; River Miles 205-138; and vice-versa; Links 51-55.

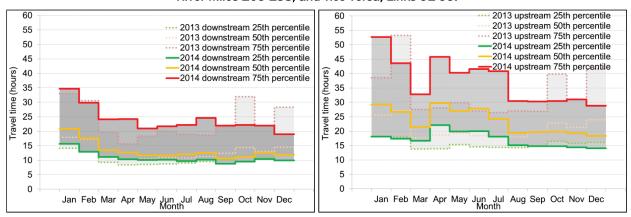
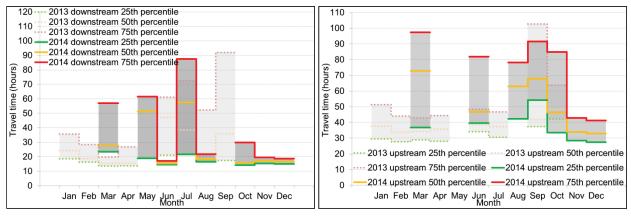


Figure 23i and Figure 23j. St. Louis downstream boundary to Upper Mississippi River downstream end; River Miles 138-0; and vice-versa; Links 56-59.



The observations of months without recorded transits in Figure 23a through Figure 23f reflect the ice seasons in the winter. The high travel times for the O-D pair St. Paul Upstream Boundary to St. Paul Downstream Boundary in May 2014, shown in Figure 23c, can be attributed to the low sample size of just one transit on links 2 and 3. The causes of the other missing transits can be inferred from a further investigation by week and by link of the data in Appendix C.

# 6 Case Study: Illinois River

This study applied the methodology to develop a travel time statistical profile of the Illinois River based on 2013 and 2014 AIS data. The study considered the upstream and downstream direction of travel.

# 6.1 River description

The Illinois River begins south of Chicago, IL, and ends near St. Louis, MO, at a downstream confluence with the Upper Mississippi River, as shown in Figure 24. The upstream end of the river is at the confluence of the Des Plaines River and Kankakee River. The (upstream) starting River Mile is 273. The (downstream) ending River Mile is 0. The river is contained within the state of Illinois.

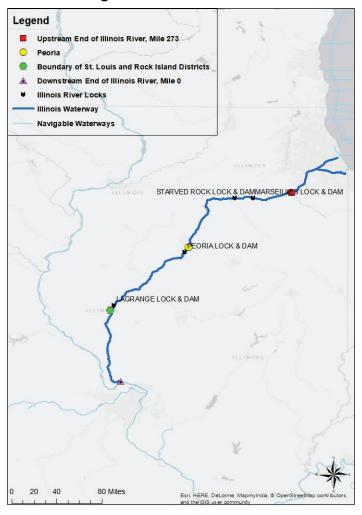


Figure 24. Illinois River location.

The USACE maintains five navigation locks and dams along the waterway and a channel depth of 9 ft.

A total of 27 million short tons and 37 million short tons of cargo moved on the Illinois River during calendar years 2013 and 2014, respectively (Waterborne Commerce Statistics Center 2017). (Note: statistics are reported for River Mile 0 to River Mile 291.9, a few miles upstream of the study location). Major commodities transported on the river include, listed in order from largest to smallest, food and farm products; petroleum and petroleum products; chemicals and related products; crude materials; manufactured goods; coal, lignite, and coal coke; and manufactured equipment and machinery (Waterborne Commerce Statistics Center 2017).

# 6.2 AIS data acquisition

This study acquired AIS data for the Illinois River for the years 2013 and 2014. The data source was the NAIS. The AIS data were down sampled to 12 per hour per vessel, or equivalently, an AIS record every 5 min.

# 6.3 Origins and destinations

This study identified four O-Ds along the Illinois River, listed in Table 16 and shown in Figure 24. These include the upstream and downstream ends of the river (River Mile 273 and River Mile 0, respectively). Another is the boundary between the USACE Districts of St. Louis and Rock Island (River Mile 79). However, because this boundary falls close to a lock link boundary (LaGrange L&D is at River Mile 80), River Mile 75 was used instead of River Mile 79. A final boundary is the city of Peoria.

The study considered each location as an origin and as a destination to accommodate that a location can be an origin for one direction of travel but a destination for the other direction. Also, the study considered this because with multiple O-Ds, a location can be a destination to a previously visited location but then an origin to a subsequent location.

Point of Interest	River Mile
Downstream end of river	0
Boundary of St. Louis and Rock Island Districts	75
Peoria	163
Upstream end of river	273

Table 16. Illinois River O-Ds.

#### 6.4 Links

This study segmented the waterway between the O-Ds into links. The study designated the following locations as link beginning/ends: the study's O-Ds, locations at the upstream and downstream approaches of locks, and places where noticeable changes in AIS coverage were observed.

The study created an individual link for each lock. The study designated a link beginning/end at 5 miles upstream and another link beginning/end at 5 miles downstream of each lock such that the link was at the midpoint of a 10-mile-long link. One exception is for Dresden Lock, which is less than 5 miles from the upstream end of the River. The link upstream boundary is instead adjusted to be the upstream end of the River (River Mile 273), and the link downstream boundary is set 10 miles downstream from that end, (at River Mile 263).

Table 17 lists the name of each Illinois River navigation lock, its location, and the beginning and end river miles of the link that contains it. The study rounds lock locations to integer river miles to simplify the locations of the links. The table lists the links from upstream to downstream, thus from largest to smallest river mile.

Lock	Location (River Mile)	Link Upstream Beginning/Endpoint (River Mile)	Link Downstream Beginning/Endpoint (River Mile)
Dresden Island L&D	271.5	273	263
Marseilles L&D	244.6	250	240
Starved Rock L&D	231	236	226
Peoria L&D	157.7	163	153
LaGrange L&D	80.2	85	75

Table 17. Lock locations and associated link beginning/end points.

This study placed an additional link beginning/end location at River Mile 55 to decrease the length of a link. The study chose this particular location because it is near to a terminal and because of its relatively high AIS coverage.

The total number of links is 11. Table 18 lists each link, its length, the river miles it runs between, and the lock contained within it, if applicable. A map of the Illinois River segmented into links 1 through 11 is shown in Figure 25.

Table 18. Illinois River links and characteristics.

Link#	Link Upstream Boundary (River Mile)	Link Downstream Boundary (River Mile)	Link Length (River Mile)	Lock Located within Link
1	273	263	10	Dresden Island L&D
2	263	250	13	
3	250	240	10	Marseilles L&D
4	240	236	4	
5	236	226	10	Starved Rock L&D
6	226	163	63	
7	163	153	10	Peoria L&D
8	153	85	68	
9	85	75	10	LaGrange L&D
10	75	55	20	
11	55	0	55	

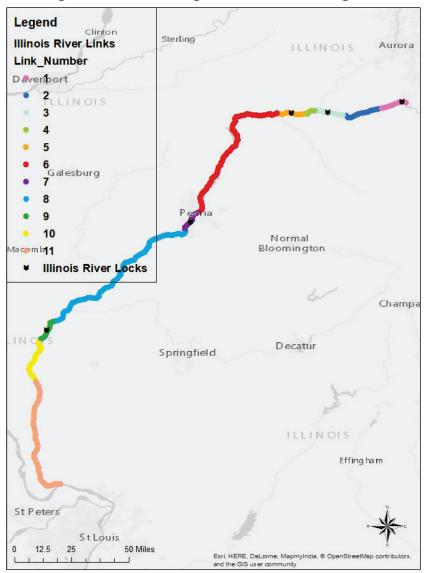


Figure 25. Illinois River segmented into links 1 through 11.

### 6.5 Illinois River results

This section provides an Illinois River travel time statistical profile. The study determined the statistics by applying the methodologies described previously to 2013 and 2014 AIS data. The statistics are as follows:

- number of transits by link
- · AIS sampling rate for links containing locks
- 25th, 50th (median), and 75th percentile travel times by link
- average travel time, standard deviation, and COV by link
- total travel time above baseline for links containing lock
- 25th, 50th (median), and 75th percentile travel times by O-D pair.

The study provides results aggregated into the following time periods: weekly, monthly, and annually. The study does not provide results disaggregated to time periods less than 1 week or to individual transits to protect commercial sensitivity of the data.

### 6.5.1 Link number of transits and AIS sampling rate

The study estimated the number of transits per link based on 2013 and 2014 NAIS data, with outliers removed. Results by year are shown in Figure 26, and results in table format by year, month, and week are presented in Appendix D.

The study measured the NAIS sampling rate or the percentage of transits captured via NAIS data. The study applied USACE LPMS Arrival Report lockage reports as proxies for ground truth data in the same manner described in Section 4.5.1 for the Ohio River results.

Figure 26 shows the NAIS sampling rate for links containing locks for 2013 and 2014. For each link, the blue bar represents the total number of transits based on the ground truth data for 2013 and the green bar for 2014. The shading on each bar represents the portion of these ground truth transits that NAIS captured. The number in black on each bar is the sampling rate.

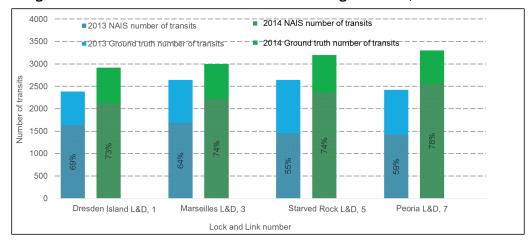


Figure 26. Illinois River number of transits via NAIS and ground truth, 2013 and 2014.

The following inferences can be deduced from the graph. First, NAIS captured 55% or greater of transits in 2013 and 73% or greater of transits in 2014. Second, NAIS coverage increased from 2013 to 2014. Third, traffic volume increased from 2013 to 2014 and is similar across the locks.

## 6.5.2 Link travel times by percentile

The study estimated the 25th, 50th (median), and 75th percentile travel times by link based on 2013 and 2014 AIS data. Figure 27 and Figure 28 (for 2013 and 2014, respectively) illustrate the annual results, with estimated trajectory plots of vessels as if they were to transit the entire Illinois River at the annual 25th percentile travel time (green line), 50th (median) percentile travel time (amber line), or 75th percentile travel time (red line). The time begins at hour zero, and vessels traveling downstream begin at River Mile 273 while vessels traveling upstream begin at River Mile 0. The arrow on each line represents the direction of travel. In the graphs, the river mile numbers are on the left *y*-axis and are staggered to be able to clearly see them; the link numbers and the names of the locks associated with the links are also included near to the right *y*-axis. Results in table format by year, month, and week are presented in Appendix D: Illinois River Additional Results.

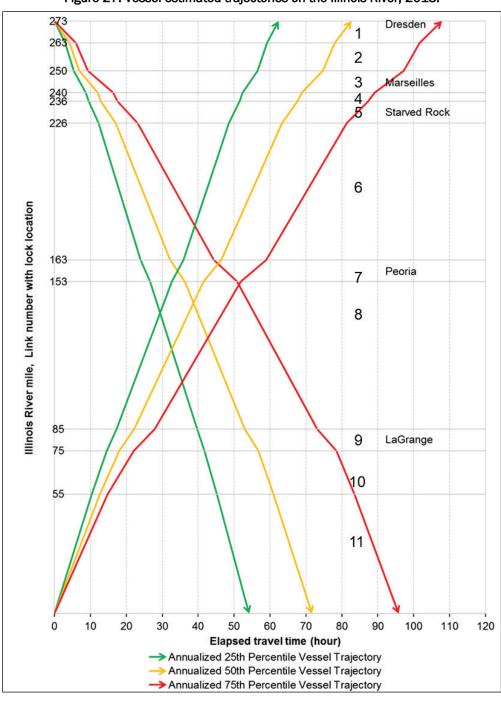


Figure 27. Vessel estimated trajectories on the Illinois River, 2013.

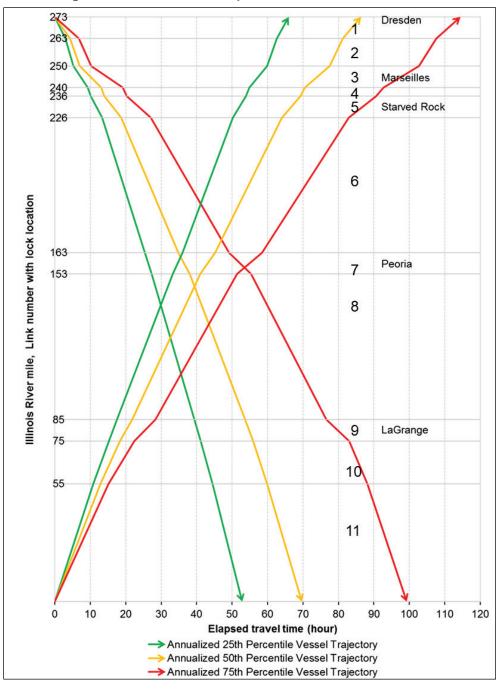


Figure 28. Vessel estimated trajectories on the Illinois River, 2014.

The following conclusions may be reached from the results. Overall, the difference in the travel times between the 25th and 75th percentile was approximately 2 days; the interquartile range was 1.7 days for 2013 downstream direction of travel, 1.9 days for the 2014 downstream direction of travel, and 2.0 days for the upstream direction of travel.

A year-to-year comparison shows no clear trend. In addition, by comparing upstream-to-downstream travel times, it can be seen that downstream travel times are faster than upstream travel times by at least 8.2 hr (25th percentile upstream-to-downstream comparison in 2013) to at most 16.7 hr (50th [median] percentile upstream-to-downstream comparison in 2014), which is reasonable due to current. It is recommended that future research be conducted to isolate the causes of the variations in travel times.

# 6.5.3 Link travel times average, standard deviation, and COV

The study estimated the average travel time, standard deviation of travel time, and COV by link based on 2013 and 2014 AIS data. Table 19 provides the annualized results. By variable (column), conditional formatting highlights a link's result, relative to other links. The formatting highlights the lowest relative values in green and the highest in red. Results in table format by year, month, and week are presented in Appendix D. Note: in the tables in Appendix D, the study omitted the COV as the reader can easily calculate it from the provided data.

Table 19. Illinois River link average, standard deviation, and COV of travel time, 2013 and 2014.

		Oownstr	eam Di	rection	of Trave	el		Upstrea	am Dire	ction o	Upstream Direction of Travel				
Year		2013			2014			2013			2014				
Link	Avg. Travel Time (hour)	Std. Dev. (hour)	Coefficient of Variation	Avg. Travel Time (hour)	Std. Dev. (hour)	Coefficient of Variation	Avg. Travel Time (hour)	Std. Dev. (hour)	Coefficient of Variation	Avg. Travel Time (hour)	Std. Dev. (hour)	Coefficient of Variation			
1	5.8	7.1	1.2	6.3	7.6	1.2	6.0	7.2	1.2	6.1	5.5	0.9			
2	3.4	2.5	0.7	3.9	3.3	0.9	4.0	2.4	0.6	4.2	2.3	0.5			
3	6.6	7.0	1.1	8.1	8.1	1.0	7.7	7.6	1.0	8.9	7.5	0.8			
4	1.4	1.3	0.9	1.4	1.2	0.9	1.6	1.2	0.7	1.8	1.4	0.8			
5	5.6	7.2	1.3	5.9	5.4	0.9	5.6	6.3	1.1	7.2	7.2	1.0			
6	19.2	14.3	0.7	19.8	13.5	0.7	20.0	12.9	0.6	22.0	13.7	0.6			
7	6.3	8.5	1.4	5.3	6.8	1.3	6.2	5.6	0.9	6.1	6.7	1.1			
8	20.6	15.3	0.7	20.3	17.1	0.8	22.9	16.1	0.7	21.5	13.2	0.6			
9	5.0	5.4	1.1	4.9	5.7	1.2	5.2	4.9	0.9	5.0	5.3	1.0			
10	5.0	3.2	0.6	5.3	4.1	0.8	6.5	4.2	0.6	6.5	3.3	0.5			
11	14.0	13.9	1.0	11.5	9.3	0.8	14.1	8.9	0.6	14.6	9.1	0.6			

From the table, the links containing L&Ds, 1, 3, 5, 7, and 9, have the highest COV. The links with the highest average travel times are those of the greatest length; link 6 is 63 miles, link 8 is 68 miles, and link 11 is 55 miles. However, they have low COVs, which supports that locks are the source of variability in the system. Therefore, this study does not plan to shorten these links. These results seem to hold for years and directions of travel.

#### 6.5.4 Link total travel time above baseline

The study estimated the annualized link total travel time above baseline from 2013 and 2014 NAIS data. The study concentrated on links that include locks. The study applied the 25th percentile travel time as the expected travel time. The results of this estimation are shown in Figure 29.

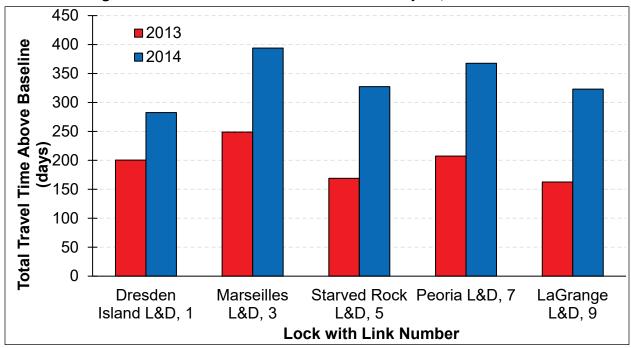


Figure 29. Illinois River total travel time above baseline by link, 2013 and 2014.

From the results, the total travel time above baseline, derived from NAIS data, increased from 2013 to 2014. However, as shown in Figure 26, there were more transits in 2014 than in 2013. The lock with the highest total travel time above baseline is Marseilles L&D for both years, even though it is not the lock with the most transits. Future studies are planned to investigate the scenarios, which produce additional travel time, and to also investigate different baseline proxies for the expected travel time.

## **6.5.5 O-D** percentile travel times

The study estimated the O-D 25th, 50th (median), and 75th percentile travel times from 2013 and 2014 AIS data. The study presented the annual results in a timetable format described subsequently. In addition, the study compared annual and weekly O-D results in graphs to analyze the proper time period in which to provide results. Last, results in table format by year, month, and week are presented in Appendix D.

Table 20 and Table 21 (for 2013 and 2014, respectively), provide the annualized results in a time table format. The first column contains the list of origins and the first row contains the list of destinations. Each location is an origin and destination. The cell that falls at the intersection of the row of the origin and column of the destination contains the travel times between the O-D pair. Each cell contains three numbers; (1) the top is the 25th percentile travel time, in hours, (2) the middle number is the 50th (median) percentile travel time, and (3) the bottom is the 75th percentile travel time. The cells above and to the right of the gray diagonal show downstream travel times, and the cells below and to the left of the diagonal show upstream travel times. Note: the study rounded the times to the nearest half-hour.

Table 20. Illinois River annual percentile travel times between 0-Ds (hours), 2013.

D 6 6	•			· //
Origin (Ohio River Mile)	Illinois River Upstream End (273) 25 <sup>th</sup>	Peoria, IL (163)	Boundary of St. Louis and Rock Island Districts (near to) (75)	Illinois River Downstream End (0)
Illinois River Upstream End (273)	50 <sup>th</sup>	32.0 44.5	57.0 78.5	72.0 96.0
Peoria, IL (163)	26.5 36.5 49.0		17.5 24.5 34.0	30.0 39.5 51.5
Boundary of St. Louis and Rock Island districts (near to) (75)	48.0 64.5 86.0	21.5 28.5 37.0		12.5 15.0 17.5
Illinois River Downstream End (0)	62.5 82.5 108.0	36.0 46.5 59.0	14.5 18.0 22.0	

Table 21. Illinois River annual percentile travel times between O-Ds (hours), 2014.

Destination				
Origin (Ohio River Mile)	Illinois River Upstream End (273)	Peoria, IL (163)	Boundary of St. Louis and Rock Island Districts (near to) (75)	Illinois River Downstream End (0)
Illinois River Upstream End (273)	<b>25</b> <sup>th</sup>	25.5	41.0	53.0
	<b>50</b> <sup>th</sup>	35.0	56.0	69.5
	<b>75</b> <sup>th</sup>	49.0	83.0	99.5
Peoria, IL (163)	30.0		15.5	27.5
			21.0	35.0
	56.0		34.0	50.0
Boundary of St. Louis and Rock Island districts (near to) (75)	50.5	20.5		12.0
	68.0	27.0		13.5
	92.0	36.0		16.5
Illinois River Downstream End (0)	66.0	36.0	15.5	
		45.0	18.5	
	114.5	58.5	22.5	

The study also compares the 25th, 50th (median), and 75th percentile travel time estimates by O-D pair by month over the 2-year 2013 and 2014 period, as Figure 30a through Figure 30f show. This study undertook this exercise for consecutive O-D pairs only. Note: for each O-D pair, the figure on the left is for downstream trips, and the figure on the right is for upstream trips. The solid lines and dark grey bars provide 2014 results while the dotted lines and light gray bars provide 2013 results. Months without information indicate the study had no transit data for that time period for at least one of the links that make up the path between the O-D pair. How each link contributes to the results can be seen in the disaggregated results in Appendix D.

The objective of the Figure 30a through Figure 30f is to easily visualize the changes in travel times from year-to-year and month-to-month. Locations with large variances or with negative performance trends one should consider as candidates for both further investigation into the

causes and any potential corrective actions, such as operations or maintenance, if warranted.

Figure 30. Illinois River O-D travel time estimates by month, year, and direction.

Figure 30a and Figure 30b. Illinois River upstream end to Peoria; River Miles 273-163; and vice-versa; Links 1-6.

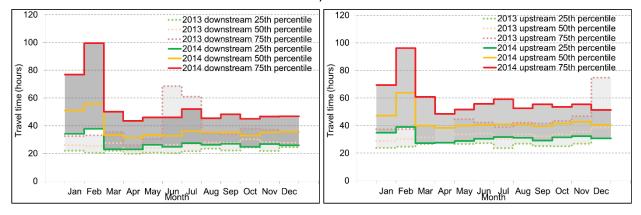


Figure 30c and Figure 30d. Illinois River Peoria to boundary of USACE St. Louis and Rock Island Districts; River Miles 163-75; and vice-versa; Links 7-9.

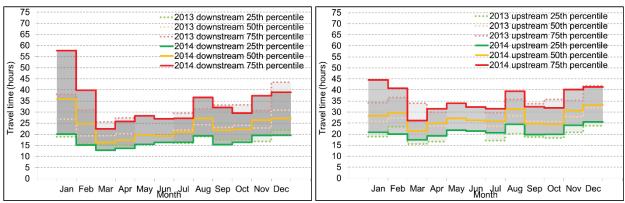
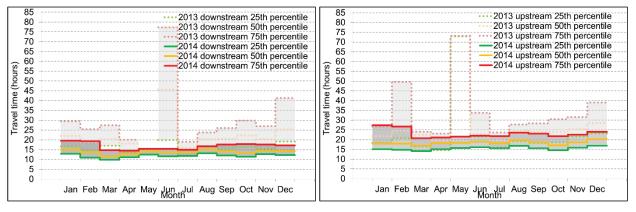


Figure 30e and Figure 30f. Illinois River boundary of USACE St. Louis and Rock Island Districts to Illinois River downstream end; Rm 75-0; and vice-versa; Links 10-11.



From these figures, it can be seen that travel times do vary from month-to-month and so does the interquartile range. In 2014 there is less variance month-to-month than in 2013, which may be a result of more complete NAIS coverage in 2014. Note: the long travel times from the Illinois River downstream end to the boundary of the USACE St. Louis and Rock Island Districts in May can be due to the low sample size (only 6 vessels) for the month. These results support the report of travel statistics for disaggregated time periods, such as 1 month or 1 week.

# 7 Conclusions and Recommendations for Future Research

This technical report provided a method to estimate waterway travel times from vessel position data. The report includes travel time estimate results for three navigable waterways: (1) the Ohio River, (2) the Upper Mississippi River, and (3) the Illinois River, for 2013 and 2014.

The travel time results illustrate that there is a large variation in vessel travel times on each waterway. These results suggest voyage planning would benefit from travel time estimates at a disaggregated time period (e.g., by week) as there is much variation in the travel times from year-to-year and month-to-month. In addition, the downstream travel times are faster than the upstream travel times. and thus, estimates should be provided by direction of travel. It is recommended that not only a range of travel times be provided via future RIS but that future research be conducted to isolate the causes of the variations and to quantify their impacts.

In general, links containing locks have the greatest variation in travel times, implying locks add travel time uncertainty. For example, on the Illinois River, the links with the highest average travel times are those of the greatest length; link 6 is 63 miles, link 8 is 68 miles, and link 11 is 55 miles. However, they have low COVs, which supports the hypothesis that locks are the source of variability in the system.

With regards to NAIS coverage, the results suggest that greater coverage provides results with less variance and suggest that some variance could be due to NAIS coverage gaps. The number of transits represented with NAIS data varies by location. Overall, it improved from 2013 to 2014. The study should be repeated for the current year as more vessels may carry AIS broadcasters now than in previous years.

Recommended future research on this subject includes the following:

- Apply the methodology to more locations and time periods such as additional inland waterway, coastal ports, and years.
- Quantify the effect of vessel characteristics (e.g., size, number of barges, etc.) and environmental forces on travel time.

• Develop web services to disseminate these data for use in other applications such as river information services for waterway managers and stakeholders.

- Study the effect of link length and number of links on travel time estimates between origins and destinations.
- Quantify the effect of lock characteristics, such as age and height, on the travel time above baseline.
- Locations with large variances or with negative performance trends are candidates for both further investigation into the causes and any potential corrective actions to operations or maintenance, if warranted. Conversely, improvements in performance trends can serve as candidates to identity best practices among the lock community.

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# **Appendix A: Primary AIS Message Fields**

#### From ITU-R M.1371-5

#### Messages 1, 2, 3: Position reports

Parameter	Number of bits	Description
Message ID	6	Identifier for this Message 1, 2 or 3
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. See § 4.6.1, Annex 2; 0-3; 0 = default; 3 = do not repeat any more
User ID	30	Unique identifier such as MMSI number
Navigational status	4	0 = under way using engine, 1 = at anchor, 2 = not under command, 3 = restricted maneuverability, 4 = constrained by her draught, 5 = moored, 6 = aground, 7 = engaged in fishing, 8 = under way sailing, 9 = reserved for future amendment of navigational status for ships carrying DG, HS, or MP, or IMO hazard or pollutant category C, high speed craft (HSC), 10 = reserved for future amendment of navigational status for ships carrying dangerous goods (DG), harmful substances (HS) or marine pollutants (MP), or IMO hazard or pollutant category A, wing in ground (WIG);11 = power-driven vessel towing astern (regional use), 12 = power-driven vessel pushing ahead or towing alongside (regional use); 13 = reserved for future use, 14 = AIS-SART (active), MOB-AIS, EPIRB-AIS 15 = undefined = default (also used by AIS-SART, MOB-AIS and EPIRB-
Rate of turn	8	AIS under test)  0 to +126 = turning right at up to 708° per min or higher
KOTAIS		0 to -126 = turning left at up to 708° per min or higher  Values between 0 and 708° per min coded by  ROT <sub>AIS</sub> = 4.733 SQRT(ROT <sub>sensor</sub> ) degrees per min  where ROT <sub>sensor</sub> is the Rate of Turn as input by an external Rate of Turn  Indicator (TI). ROT <sub>AIS</sub> is rounded to the nearest integer value.  +127 = turning right at more than 5° per 30 s (No TI available)  -127 = turning left at more than 5° per 30 s (No TI available)  -128 (80 hex) indicates no turn information available (default).  ROT data should not be derived from COG information.
SOG	10	Speed over ground in 1/10 knot steps (0-102.2 knots) 1 023 = not available, 1 022 = 102.2 knots or higher
Position accuracy	1	The position accuracy (PA) flag should be determined in accordance with Table 50 $1 = high \ (\le 10 \ m)$ $0 = low \ (> 10 \ m)$ $0 = default$
Longitude	28	Longitude in 1/10 000 min (±180°, East = positive (as per 2's complement), West = negative (as per 2's complement). 181 = (6791AC0 <sub>h</sub> ) = not available = default)
Latitude	27	Latitude in $1/10~000~min~(\pm 90^{\circ}, North = positive~(as~per~2's~complement),$ South = negative (as per 2's complement). $91^{\circ}~(3412140_h)$ = not available = default)
COG	12	Course over ground in $1/10 = (0-3599)$ . 3 600 (E10 <sub>h</sub> ) = not available = default. 3 601-4 095 should not be used
True heading	9	Degrees (0-359) (511 indicates not available = default)

		<u>-</u>
Time stamp	6	UTC second when the report was generated by the electronic position system (EPFS) (0-59, or 60 if time stamp is not available, which should also be the default value, or 61 if positioning system is in manual input mode, or 62 if electronic position fixing system operates in estimated (dead reckoning) mode, or 63 if the positioning system is inoperative)
Special manoeuvre indicator	2	0 = not available = default 1 = not engaged in special manoeuvre 2 = engaged in special manoeuvre (i.e. regional passing arrangement on Inland Waterway)
Spare	3	Not used. Should be set to zero. Reserved for future use.
RAIM-flag	1	Receiver autonomous integrity monitoring (RAIM) flag of electronic position fixing device; 0 = RAIM not in use = default; 1 = RAIM in use. See Table 50
Communication state	19	See Table 49
Number of bits	168	

## Message 5: Ship static and voyage related data

Parameter	Number of bits	Description
Message ID	6	Identifier for this Message 5
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. Refer to § 4.6.1, Annex 2; 0-3; 0 = default; 3 = do not repeat any more
User ID	30	MMSI number
AIS version indicator	2	0 = station compliant with Recommendation ITU-R M.1371-1 1 = station compliant with Recommendation ITU-R M.1371-3 (or later) 2 = station compliant with Recommendation ITU-R M.1371-5 (or later) 3 = station compliant with future editions
IMO number	30	0 = not available = default – Not applicable to SAR aircraft 0000000001-0000999999 not used 0001000000-0009999999 = valid IMO number; 0010000000-1073741823 = official flag state number.
Call sign	42	7 x 6 bit ASCII characters, @@@@@@@ = not available = default.  Craft associated with a parent vessel, should use "A" followed by the last 6 digits of the MMSI of the parent vessel. Examples of these craft include towed vessels, rescue boats, tenders, lifeboats and liferafts.
Name	120	Maximum 20 characters 6 bit ASCII, as defined in Table 47  "@@@@@@@@@@@@@@@@@@@@@" = not available = default.  The Name should be as shown on the station radio license. For SAR aircraft, it should be set to "SAR AIRCRAFT NNNNNNN" where NNNNNNN equals the aircraft registration number.

Type of ship and cargo type  8		l	<u>-</u>
Also indicates the dimension of ship (m) (see Fig. 42 and § 3.3.3) reference for position  Also indicates the dimension of ship (m) (see Fig. 42 and § 3.3.3) For SAR aircraft, the use of this field may be decided by the responsible administration. If used it should indicate the maximum dimensions of the craft. As default should A = B = C = D be set to "0"  Type of electronic position fixing device  4		8	1-99 = as defined in § 3.3.2 100-199 = reserved, for regional use 200-255 = reserved, for future use
position fixing device  1 = GPS 2 = GLONASS 3 = combined GPS/GLONASS 4 = Loran-C 5 = Chayka 6 = integrated navigation system 7 = surveyed 8 = Galileo, 9-14 = not used 15 = internal GNSS  ETA  20 Estimated time of arrival; MMDDHHMM UTC Bits 19-16: month; 1-12; 0 = not available = default Bits 15-11: day; 1-31; 0 = not available = default Bits 10-6: hour; 0-23; 24 = not available = default Bits 5-0: minute; 0-59; 60 = not available = default For SAR aircraft, the use of this field may be decided by the responsible administration  Maximum present static draught  120 Maximum 20 characters using 6-bit ASCII; @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ Destination  120 Maximum 20 characters using 6-bit ASCII; @@@@@@@@@@@@@@@@@@@@@@@@@@@ Destination  120 Destination  120 Data terminal equipment (DTE) ready (0 = available, 1 = not available = default) (see § 3.3.1)  Spare  1 Spare. Not used. Should be set to zero. Reserved for future use	dimension/ reference for	30	Also indicates the dimension of ship (m) (see Fig. 42 and § 3.3.3)  For SAR aircraft, the use of this field may be decided by the responsible administration. If used it should indicate the maximum dimensions of the
Bits 19-16: month; 1-12; 0 = not available = default Bits 15-11: day; 1-31; 0 = not available = default Bits 10-6: hour; 0-23; 24 = not available = default Bits 5-0: minute; 0-59; 60 = not available = default For SAR aircraft, the use of this field may be decided by the responsible administration  Maximum present static draught  8	position fixing	4	1 = GPS 2 = GLONASS 3 = combined GPS/GLONASS 4 = Loran-C 5 = Chayka 6 = integrated navigation system 7 = surveyed 8 = Galileo, 9-14 = not used
static draught in accordance with IMO Resolution A.851 Not applicable to SAR aircraft, should be set to 0  Destination 120 Maximum 20 characters using 6-bit ASCII; @@@@@@@@@@@@@@@@@@@@@@@@@@@ = not available For SAR aircraft, the use of this field may be decided by the responsible administration  DTE 1 Data terminal equipment (DTE) ready (0 = available, 1 = not available = default) (see § 3.3.1)  Spare 1 Spare. Not used. Should be set to zero. Reserved for future use	ETA	20	Bits 19-16: month; 1-12; 0 = not available = default Bits 15-11: day; 1-31; 0 = not available = default Bits 10-6: hour; 0-23; 24 = not available = default Bits 5-0: minute; 0-59; 60 = not available = default For SAR aircraft, the use of this field may be decided by the responsible
@@@@@@@@@@@@@@@@@@@@@@ = not available  For SAR aircraft, the use of this field may be decided by the responsible administration  DTE  1 Data terminal equipment (DTE) ready (0 = available, 1 = not available = default) (see § 3.3.1)  Spare  1 Spare. Not used. Should be set to zero. Reserved for future use		8	in accordance with IMO Resolution A.851
default) (see § 3.3.1)  Spare 1 Spare. Not used. Should be set to zero. Reserved for future use	Destination	120	@@@@@@@@@@@@@@@@@@@@ = not available For SAR aircraft, the use of this field may be decided by the responsible
•	DTE	1	
Number of bits 424 Occupies 2 slots	Spare	1	Spare. Not used. Should be set to zero. Reserved for future use
	Number of bits	424	Occupies 2 slots

## **Appendix B: Ohio River Additional Results**

Below are the summary tables for each link. Each table contains the following estimates for a link: number of transits (labeled "count"), 25th, 50th, and 75th percentile travel times, average travel time, and standard deviation of travel time. The tables provide the results by direction of travel. In addition, the tables provide the results by the following time periods: annual, monthly, and weekly. This disaggregation is to support future studies that may want to consider different factors, such as water level, that affect travel time. Note, the tables label the weeks by number, and Table 22 below provides the corresponding dates for each week number for both 2013 and 2014. Note, the study did not add table captions in the interest of space. Each table contains its link number in the first row of the table. The study provides the tables in link order from 1 through 56. Results for 2013 are provided first for all links, and then results for 2014 are provided for all links.

Table 22. Weeks of the year by number, 2013 and 2014.

Year	20	13	20	14
Week	Start Date	End Date	Start Date	End Date
1	01/01/13	01/05/13	01/01/14	01/04/14
2	01/06/13	01/12/13	01/05/14	01/11/14
3	01/13/13	01/19/13	01/12/14	01/18/14
4	01/20/13	01/26/13	01/19/14	01/25/14
5	01/27/13	02/02/13	01/26/14	02/01/14
6	02/03/13	02/09/13	02/02/14	02/08/14
7	02/10/13	02/16/13	02/09/14	02/15/14
8	02/17/13	02/23/13	02/16/14	02/22/14
9	02/24/13	03/02/13	02/23/14	03/01/14
10	03/03/13	03/09/13	03/02/14	03/08/14
11	03/10/13	03/16/13	03/09/14	03/15/14
12	03/17/13	03/23/13	03/16/14	03/22/14
13	03/24/13	03/30/13	03/23/14	03/29/14
14	03/31/13	04/06/13	03/30/14	04/05/14
15	04/07/13	04/13/13	04/06/14	04/12/14
16	04/14/13	04/20/13	04/13/14	04/19/14
17	04/21/13	04/27/13	04/20/14	04/26/14
18	04/28/13	05/04/13	04/27/14	05/03/14
19	05/05/13	05/11/13	05/04/14	05/10/14

Year	20	13	20	14
Week	Start Date	End Date	Start Date	End Date
20	05/12/13	05/18/13	05/11/14	05/17/14
21	05/19/13	05/25/13	05/18/14	05/24/14
22	05/26/13	06/01/13	05/25/14	05/31/14
23	06/02/13	06/08/13	06/01/14	06/07/14
24	06/09/13	06/15/13	06/08/14	06/14/14
25	06/16/13	06/22/13	06/15/14	06/21/14
26	06/23/13	06/29/13	06/22/14	06/28/14
27	06/30/13	07/06/13	06/29/14	07/05/14
28	07/07/13	07/13/13	07/06/14	07/12/14
29	07/14/13	07/20/13	07/13/14	07/19/14
30	07/21/13	07/27/13	07/20/14	07/26/14
31	07/28/13	08/03/13	07/27/14	08/02/14
32	08/04/13	08/10/13	08/03/14	08/09/14
33	08/11/13	08/17/13	08/10/14	08/16/14
34	08/18/13	08/24/13	08/17/14	08/23/14
35	08/25/13	08/31/13	08/24/14	08/30/14
36	09/01/13	09/07/13	08/31/14	09/06/14
37	09/08/13	09/14/13	09/07/14	09/13/14
38	09/15/13	09/21/13	09/14/14	09/20/14
39	09/22/13	09/28/13	09/21/14	09/27/14
40	09/29/13	10/05/13	09/28/14	10/04/14
41	10/06/13	10/12/13	10/05/14	10/11/14
42	10/13/13	10/19/13	10/12/14	10/18/14
43	10/20/13	10/26/13	10/19/14	10/25/14
44	10/27/13	11/02/13	10/26/14	11/01/14
45	11/03/13	11/09/13	11/02/14	11/08/14
46	11/10/13	11/16/13	11/09/14	11/15/14
47	11/17/13	11/23/13	11/16/14	11/22/14
48	11/24/13	11/30/13	11/23/14	11/29/14
49	12/01/13	12/07/13	11/30/14	12/06/14
50	12/08/13	12/14/13	12/07/14	12/13/14
51	12/15/13	12/21/13	12/14/14	12/20/14
52	12/22/13	12/28/13	12/21/14	12/27/14
53	12/29/13	12/31/13	12/28/14	12/31/14

**Travel Time Estimate Results by Link, 2013** 

L	1		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tin	ne Estim	ate (hou	ır)		1	Fravel Ti	me Estim	ate (hour	)
me	Time F	Count	F	Percentil	е	t t	Std.	Count		Percentil	е	-	Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	663 52	2.8 3.5	4.0 4.9	6.2 8.7	5.9 7.0	6.6 5.9	667 54	3.6 4.3	4.7 5.8	6.7 9.4	6.4 8.8	6.4 8.6
	Jan Feb	56	3.3	4.9	6.1	5.1	3.4	55	3.9	4.8	6.2	5.3	2.4
	Mar	57	3.4	4.5	6.9	5.6	3.5	60	3.6	5.2	7.5	6.7	8.7
	Apr	54	3.0	4.0	5.6	4.6	2.2	53	3.1	4.7	5.7	4.9	2.3
ч	May	62	2.5	3.9	5.7	5.4	8.0	61	3.3	4.4	5.4	4.6	1.8
Month	Jun Jul	58 59	2.6	3.5 3.5	4.9 5.0	6.0 4.0	9.0	63 55	3.6 3.2	4.2	4.9 5.6	5.3 5.8	7.9 8.8
2	Aug	59	2.3	3.8	5.3	5.4	8.9	60	3.2	4.5	5.7	5.4	3.5
	Sep	55	2.6	3.6	4.7	4.0	2.1	52	3.0	4.1	5.6	5.0	3.6
	Oct	53	3.5	5.3	8.9	7.6	6.7	57	3.6	4.9	8.5	6.8	4.6
	Nov	47	4.7	7.1	17.1	11.4	10.1	48	5.8	9.4	19.7	13.3	8.6
	Dec 1	51 4	2.7 3.9	3.4 4.0	5.5	5.5 4.4	6.9 0.8	49 6	3.8	4.6	6.6	5.5	2.9 1.9
	2	13	3.5	5.3	4.5 8.8	8.0	8.6	11	5.0 4.7	5.6 5.3	8.3 9.0	6.6 6.3	2.8
	3	11	4.2	5.2	9.9	7.5	5.1	14	4.8	5.9	8.4	7.5	4.7
	4	15	3.5	5.8	11.2	7.7	5.0	15	4.2	6.2	11.7	10.0	7.8
	5	10	3.3	4.4	4.7	4.9	3.1	11	3.2	4.2	6.1	11.0	15.2
	6	19	3.2	4.3	5.2	4.7	2.1	14 18	4.9	5.5	6.6	5.8	1.2
	7 8	15 12	3.0	3.6 5.7	4.7 8.0	4.1 7.1	1.8 5.7	18 12	3.6 4.0	4.8 4.7	5.6 7.0	5.5 5.7	3.1 2.6
	9	12	3.4	3.8	5.5	4.6	2.5	9	3.7	4.6	5.0	4.4	0.9
	10	14	3.4	4.2	5.5	4.9	2.8	17	4.1	5.3	7.0	6.0	3.0
	11	11	4.0	5.0	10.5	7.0	3.4	12	4.0	5.6	7.9	6.1	2.5
	12	15	3.3	4.3	7.7	6.2	4.5	14	3.4	4.1	6.6	9.2	17.0
	13 14	13	2.7	5.0	6.9	5.3	2.7	14	2.9	5.0	8.2	5.4	2.9
	15	10 13	4.0 3.0	4.7 3.8	5.5 6.3	5.3 4.3	2.0	10 14	3.8 2.8	5.3 4.3	7.7 5.9	5.9 4.4	2.8 1.8
	16	13	3.0	3.9	5.4	4.5	2.0	12	3.9	5.1	6.8	5.9	2.8
	17	13	2.7	5.1	6.4	5.2	2.7	14	3.0	4.3	4.7	4.1	1.3
	18	11	2.5	3.7	4.3	3.8	1.9	14	4.0	4.9	6.5	5.1	2.1
	19	12	3.2	4.3	5.3	4.3	1.6	11	3.9	4.8	5.2	4.8	1.4
	20	15 15	2.0	3.9	5.2 6.4	3.9 4.6	1.7 2.1	16 13	2.6 3.6	3.8 4.2	5.2 5.1	4.3 4.6	2.1 1.7
	22	17	3.3	3.7	6.0	8.1	14.6	15	3.4	4.2	5.0	4.4	1.7
	23	13	2.0	2.9	3.9	2.9	1.0	11	2.7	3.7	4.5	3.9	1.9
	24	11	3.0	3.8	4.8	4.1	1.5	13	3.6	4.1	4.2	3.9	0.7
	25	14	2.5	3.7	5.1	5.5	5.9	14	3.9	4.5	5.7	4.7	1.2
ek	26	17	2.9	3.7	8.3	10.6	14.6	17	3.8 4.2	4.5 4.5	5.3	8.1	14.6
Week	27 28	10 15	2.5 1.9	2.8	3.6 4.0	3.1	0.7 2.3	12 10	3.6	4.5	5.0 6.0	5.1 5.1	1.8 2.5
	29	12	1.9	3.7	5.2	4.1	2.2	14	3.2	3.4	4.2	3.8	1.2
	30	15	2.1	3.3	4.7	3.8	2.1	18	2.8	4.5	6.3	8.1	14.8
	31	14	3.5	5.0	8.1	5.7	2.4	11	3.0	4.4	6.4	5.1	3.0
	32	14	2.3	3.2	4.2	4.0	2.1	15	3.2	4.2	5.1	5.0	3.5
	33 34	12 14	2.6	3.5 2.8	5.0 5.0	3.8	1.8 2.6	11 15	3.7 2.9	4.3	4.7 5.3	4.1 4.4	1.5 2.6
	35	13	3.8	4.0	5.8	9.7	17.8	14	5.6	6.4	10.0	8.1	4.5
	36	15	3.2	3.8	4.5	3.9	1.0	9	4.1	5.3	6.4	6.3	3.4
	37	13	3.1	4.2	6.1	5.0	2.8	15	3.4	4.3	5.5	5.2	3.8
	38	13	2.6	3.4	4.2	3.4	1.1	13	2.7	3.9	4.6	4.9	4.3
	39	12	2.1	2.8	3.6	3.6	2.6	13	2.9	3.7	4.2	3.8	1.6
	40	11 15	3.0	4.4	7.4 5.8	5.6 4.7	3.5 2.0	12 13	3.3 3.1	4.6 4.3	6.7 4.9	6.0 5.7	4.3
	42	11	2.4	3.9	4.5	3.9	1.8	14	3.5	4.8	6.5	4.8	2.1
	43	13	5.3	12.8	17.5	13.1	9.2	13	4.2	9.9	13.3	9.8	5.5
	44	10	5.3	5.6	10.3	8.9	6.1	10	4.7	7.1	10.3	7.7	3.8
	45	11	4.9	15.2	21.0	12.8	8.0	16	7.0	15.8	18.9	14.1	7.6
	46	12	12.4	19.3	22.3	20.5	13.1	9	19.2	20.9	23.7	20.8	3.8
	47 48	11 8	4.8 3.6	6.2 4.0	9.5 4.5	8.0 4.4	5.1 1.7	10 10	7.0 4.9	8.4 5.6	11.8 7.2	11.7 8.9	9.5
	49	12	2.3	3.3	6.7	4.4	3.3	9	3.8	4.5	6.9	5.0	1.6
	50	15	2.4	3.0	4.4	4.5	5.0	15	3.0	3.9	5.5	4.9	2.6
	51	12	3.3	3.7	6.3	4.9	3.0	13	4.2	5.3	6.6	6.4	4.0
	52	9	3.3	4.1	5.2	9.0	13.6	9	4.0	4.6	5.9	5.4	2.5
	53	3	3.6	4.1	5.8	4.9	1.9	3	5.9	6.5	7.6	6.9	1.4

L	2		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me L	Time F	Count	F	Percentil	е	+	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	724	2.6	3.6	5.1	4.6	4.7 4.7	714	3.3	4.3	5.8	5.7	6.3 9.2
	Jan Feb	63 63	2.8 2.7	3.7 3.7	5.6 5.2	5.2 4.7	5.3	62 64	3.8	5.2 5.1	7.3 6.8	7.6 6.2	4.4
	Mar	63	2.8	3.8	5.6	4.4	2.2	62	3.3	4.6	5.5	5.1	4.5
	Apr	61	2.6	3.9	6.4	5.4	6.7	61	3.1	3.9	5.4	4.7	2.5
ے	May	68	2.4	3.6	4.6	3.7	1.7	67	2.9	4.2	5.1	4.4	2.2
Month	Jun	62	2.3	3.4	4.7	6.3	9.8	64	3.5	4.2	5.8	6.1	8.2 5.1
Σ	Jul Aug	62 56	2.3	3.2 3.1	4.9 4.0	4.3 3.7	2.0	56 56	3.5	4.4 4.1	6.4 5.3	5.6 4.6	2.1
	Sep	57	2.6	3.3	4.3	4.1	2.8	53	3.0	3.8	5.1	4.3	2.3
	Oct	58	2.7	3.4	4.4	3.7	1.9	60	2.8	3.9	4.8	4.7	6.7
	Nov	56	3.1	3.9	5.4	5.5	4.6	57	3.9	4.8	6.9	7.8	9.6
	Dec	55	2.4	3.2	5.0	4.1	3.1	52	3.5	4.7	6.4	7.4	9.0
	2	8 15	3.0 2.9	3.6 3.6	4.8 4.1	3.8 4.6	1.4 3.2	8 13	3.8 5.4	4.5 7.3	5.4 9.5	4.4 11.8	1.5 13.3
	3	12	2.5	3.9	5.7	6.8	7.9	16	4.4	5.0	10.9	10.1	12.0
	4	18	2.4	3.6	4.8	4.6	3.0	16	3.1	3.8	6.3	4.7	2.1
	5	10	3.2	4.8	7.5	6.7	4.7	12	3.5	4.8	5.7	4.9	1.9
	6	22	2.6	3.8	5.4	5.9	8.4	17	4.7	5.4	6.8	7.5	5.7
	7 8	17 13	2.7 3.8	3.6 4.0	4.2 5.1	3.7 4.8	1.6 2.0	21 14	2.7 4.4	4.8 6.0	5.8 9.2	5.1 6.7	3.6
	9	16	2.7	3.3	3.9	3.7	1.9	11	3.1	4.3	7.4	6.1	4.5
	10	13	3.6	3.9	5.1	4.3	1.3	16	3.4	5.2	5.7	4.9	2.0
	11	13	3.3	3.8	5.6	4.8	2.2	13	3.5	4.2	5.0	4.8	2.3
	12	15	3.2	5.1	5.8	4.8	2.2	13	3.3	4.9	5.7	4.7	1.8
	13	16	2.2	2.8	4.8	4.1	2.7	16	3.0	4.2	4.9	6.1	8.1
	14 15	9 15	2.8 3.2	4.5 3.9	5.2 4.9	4.8 4.2	2.1 1.9	10 16	3.8 2.9	4.7 3.8	6.6 5.0	5.6 4.4	3.2 2.0
	16	14	2.6	3.3	6.4	4.7	3.0	14	3.9	4.7	6.2	5.5	3.4
	17	16	2.5	3.9	6.3	4.7	2.7	16	2.8	3.8	4.1	3.8	1.2
	18	14	2.8	3.7	6.2	7.9	12.7	17	3.7	4.4	5.1	4.9	3.2
	19	14	2.2	3.4	4.3	3.5	1.5	14	3.2	3.8	4.9	4.0	1.1
	20	16	2.0	2.9	4.1	3.6	2.2	17	2.8	4.3	4.7	3.9	1.3
	21	16 18	2.9 2.4	4.5 3.5	5.0 4.3	4.3 3.4	1.8 1.2	14 15	3.7 2.8	4.6 4.2	7.8 5.0	5.5 4.6	2.2
	23	14	2.3	2.9	3.8	3.1	1.3	11	2.8	3.2	3.9	3.2	0.8
	24	13	2.8	3.4	4.7	7.3	12.4	14	3.5	4.0	4.6	4.1	1.2
	25	15	2.1	3.2	4.2	3.7	2.3	15	3.9	4.3	6.0	5.7	3.4
놓	26	18	3.1	4.2	8.6	10.4	13.6	17	3.7	4.6	8.0	9.7	14.8
Week	27 28	11 14	2.2 1.9	3.6 2.4	5.0 3.9	4.3 3.4	2.5	12 10	4.1 2.4	4.5 4.0	5.2 4.7	4.8 3.8	1.5
	29	12	2.5	2.4	4.4	3.6	1.7	14	3.2	4.0	8.0	8.0	9.0
	30	15	2.7	4.5	5.7	5.2	3.6	17	3.8	4.5	6.3	5.3	2.9
	31	16	3.0	3.6	4.1	4.5	3.1	14	4.0	4.5	6.1	5.4	3.1
	32	15	2.3	2.5	3.2	2.8	0.7	12	2.8	3.1	4.4	3.7	1.5
	33	12	1.8	3.0	3.6	3.5	2.3	12	3.8	4.3	6.2	5.0	2.1
	34 35	12 11	2.3 3.1	3.5 3.8	5.0 6.2	3.7 5.0	1.5 2.6	12 13	3.1	3.8 4.9	4.7 5.1	4.3 4.6	1.8
	36	17	3.0	3.3	4.1	4.2	2.7	10	3.7	4.8	6.0	5.9	4.0
	37	12	2.8	3.3	3.9	4.6	4.2	14	3.2	4.1	4.7	4.0	1.2
	38	13	2.6	4.3	5.8	4.4	2.3	14	2.5	3.7	5.0	3.8	1.6
	39	14	1.9	2.7	4.1	3.3	1.5	14	2.5	3.5	4.0	3.6	1.4
	40	11	2.8	3.2	3.7	3.5	1.5	11	3.0	3.9	4.5	8.3	14.8
	41 42	15 12	3.2 1.8	4.2 3.2	5.7 4.7	4.6 3.6	2.0 1.7	13 15	3.1	3.5 4.0	4.7 5.0	3.7 4.1	1.1
	43	13	2.3	3.1	3.8	3.1	1.0	14	2.9	4.2	5.0	4.1	1.8
	44	12	2.6	3.4	4.8	4.2	2.7	11	2.6	4.3	6.2	8.8	15.1
	45	12	3.2	4.9	6.8	6.0	4.5	16	4.4	5.0	7.7	10.0	11.7
	46	15	2.9	3.8	4.0	4.5	4.1	12	4.5	5.7	9.1	7.4	4.5
	47 48	11 14	2.6 3.7	3.1 4.7	5.5	5.6	5.3 4.8	11	3.3	3.9 4.7	4.8	4.2	1.7 2.4
	48	15	2.4	3.2	6.3 5.4	5.9 5.2	4.8	15 12	4.3 3.5	4.7	6.4 5.9	5.5 8.5	10.9
	50	13	2.4	3.0	5.8	3.9	1.7	13	4.3	6.7	8.2	9.1	7.9
	51	12	2.5	3.2	4.3	4.0	2.6	13	3.1	4.3	5.3	4.3	1.3
	52	11	2.6	3.0	3.8	3.3	1.0	11	3.4	4.3	6.9	8.6	12.5
Ш	53	4	2.7	3.3	3.9	3.3	1.4	3	4.0	4.5	4.8	4.4	0.7

L	3		Do	wnstrea	m Direc	tion		Upstream Direction					
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	')
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	е	•	Std.
			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	661	1.0	1.2	1.4	1.6	1.6 1.0	662	1.2	1.5	1.9	1.8	1.2
	Jan Feb	70 23	0.9 1.0	1.2 1.2	1.4	1.3 2.2	2.5	62 33	1.3	1.5 1.6	1.9 2.1	1.7 2.2	1.1
	Mar	64	1.0	1.2	1.5	1.7	1.5	65	1.2	1.5	2.1	1.9	1.2
	Apr	55	0.9	1.1	1.3	1.3	1.0	59	1.3	1.6	1.9	1.8	1.0
اءا	May	41	1.0	1.3	1.6	1.8	2.0	39	1.2	1.4	1.8	1.7	1.0
Month	Jun	57	1.0	1.2	1.3	1.7	1.7 1.9	57	1.3	1.7	2.2	1.7	0.6
≥	Jul Aug	51 62	1.0	1.2 1.2	1.4	1.8 1.7	2.1	48 57	1.3	1.5 1.5	2.0 1.8	1.7 1.6	0.7
	Sep	58	1.0	1.1	1.3	1.4	1.0	59	1.1	1.3	1.9	1.7	1.5
	Oct	65	0.9	1.1	1.3	1.2	0.6	67	1.1	1.4	1.7	1.5	0.8
	Nov	57	1.0	1.1	1.4	1.4	1.1	59	1.2	1.4	1.7	1.9	1.5
	Dec	58	0.9	1.1	1.4	1.7	1.9	57	1.3	1.7	2.0	2.0	1.1
	2	9 17	1.0 0.9	1.4 1.2	1.4	1.4 1.2	0.6	6 13	1.1	1.4 1.4	1.7 1.8	1.8 1.5	1.1 0.4
	3	13	0.9	0.9	1.2	1.0	0.2	17	1.3	1.5	1.9	1.6	0.4
	4	20	1.0	1.2	1.4	1.7	1.7	18	1.4	1.5	1.8	2.1	1.9
	5	13	0.8	0.9	1.2	1.2	1.0	13	1.1	1.4	1.9	1.5	0.6
	6	11	1.0	1.1	1.2	2.0	2.0	13	1.6	1.9	3.3	2.4	1.1
	7 8	2	2.7 1.2	3.8 1.2	7.5 1.2	5.6 1.2	4.1 0.0	5 3	1.1	2.7 1.6	3.1 1.8	3.9 1.7	4.0 0.2
	9	10	1.2	1.4	1.9	1.6	0.6	10	1.3	1.4	1.8	1.6	0.2
	10	11	1.0	1.3	1.6	2.3	2.7	14	1.1	1.3	1.5	1.4	0.4
	11	13	1.0	1.3	1.5	1.6	0.9	14	1.5	1.7	2.1	1.9	0.8
	12	12	1.1	1.1	1.3	1.6	1.4	12	1.4	2.0	2.7	2.3	1.1
	13	23	0.9	1.2	1.4	1.5	1.1	20	1.1	1.4	2.1	1.8	1.2
	14 15	9 13	1.1 0.9	1.2	1.3	1.2 1.4	0.2 1.5	12 12	1.3	1.6 1.6	2.4 1.7	2.1 1.5	1.6 0.3
	16	12	0.9	1.0	1.0	0.9	0.1	13	1.0	1.6	2.1	1.7	0.8
	17	17	1.0	1.2	1.4	1.3	0.4	17	1.2	1.6	1.7	2.0	1.5
	18	7	1.2	1.6	1.8	2.1	1.5	12	1.5	1.7	2.0	2.2	1.7
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	5	1.6	1.7	2.1	2.0	0.7	7	1.2	1.3	1.8	1.5	0.4
	21	17 19	1.0	1.2 1.2	1.6	2.4 1.2	2.9 0.2	15 15	1.2 1.2	1.4 1.5	1.8 1.8	1.6 1.6	0.7
	23	11	1.0	1.1	1.3	1.2	0.2	10	1.2	1.4	1.6	1.5	0.5
	24	11	1.0	1.2	1.3	1.4	0.9	12	1.5	1.7	1.9	1.7	0.5
	25	16	1.1	1.3	1.8	2.0	1.6	16	1.3	1.6	2.1	1.7	0.4
놓	26	15	1.0	1.3	1.5	2.2	2.6	13	1.3	1.8	2.4	1.8	0.6
Week	27 28	11 14	1.0	1.1	1.4	1.6 1.5	1.6 1.6	11 9	1.3	1.5 1.7	2.0	1.7 1.9	0.4
	29	11	1.1	1.0	1.3	1.8	1.0	14	1.4	1.7	1.7	1.7	0.6
	30	8	1.2	1.5	3.1	3.0	2.8	11	1.5	1.7	2.0	1.7	0.5
	31	14	1.1	1.1	1.3	1.3	0.5	13	1.0	1.5	1.7	1.3	0.5
	32	15	1.0	1.3	1.4	1.4	0.5	11	1.0	1.2	2.0	1.9	1.7
	33	13	0.8	1.0	1.3	1.8	2.5	12	1.2	1.5	1.9	1.6	0.6
	34 35	14 14	1.2	1.2	1.6 1.2	2.4 1.5	3.0 1.8	12 15	1.2	1.3 1.4	1.7 2.0	1.5 1.7	0.5
	36	19	1.0	1.1	1.2	1.5	0.3	12	1.5	1.4	2.6	2.2	1.0
	37	11	1.0	1.0	1.2	1.2	0.5	17	1.1	1.2	1.6	1.8	2.5
	38	12	1.0	1.2	1.5	1.8	1.5	15	1.2	1.3	1.8	1.6	0.7
	39	14	0.9	1.0	1.2	1.4	1.2	13	1.1	1.3	1.8	1.5	0.7
	40	12	0.9	1.1	1.3	1.1	0.4	12	1.1	1.4	1.6	1.4	0.6
	41 42	14 15	1.0 0.9	1.1	1.4	1.3 1.2	0.6	13 17	1.1	1.3 1.3	1.6 1.7	1.3 1.6	0.4
	43	17	1.0	1.1	1.2	1.2	0.4	19	1.0	1.4	1.6	1.5	0.7
	44	11	1.0	1.1	1.3	1.5	1.0	10	1.3	1.5	1.9	1.9	1.3
	45	14	1.0	1.4	1.5	1.3	0.4	18	1.0	1.3	1.5	1.6	1.4
	46	14	0.9	1.0	1.3	1.4	1.1	11	1.2	1.6	3.0	2.6	2.1
	47	11	1.0	1.1	1.2	1.1	0.2	11	1.2	1.3	2.3	1.8	1.0
	48 49	16 15	1.0 1.1	1.2	1.5 1.5	1.7	1.7 1.1	17 13	1.3 1.5	1.7 1.8	1.7 1.9	1.9 1.9	1.2 0.6
	50	14	0.9	1.0	1.1	1.6 1.0	0.2	16	1.3	1.5	2.4	2.1	1.4
	51	10	1.0	1.3	1.7	2.7	3.1	13	1.1	1.4	1.8	1.8	0.9
1	52	15	0.8	0.9	1.2	1.6	2.2	12	1.4	1.6	2.2	2.3	1.4
			1.1	1.4	2.0	1.8	1.0	3	1.7	1.7	1.9	1.8	0.1

L	4		Do	wnstrea	m Direc	tion		Upstream Direction					
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	628	2.7	4.1	6.0	5.6	6.9 7.7	634	3.6	4.9	6.8	6.7	8.0 5.4
	Jan Feb	72 20	3.5 2.1	4.5 3.0	6.6 5.4	6.8 7.0	10.0	71 29	4.0 4.5	5.5 5.3	7.5 8.1	6.9 10.6	15.1
	Mar	58	3.7	4.8	6.8	6.6	8.8	62	3.8	5.1	7.1	6.7	7.5
	Apr	52	2.0	3.7	5.3	4.1	2.6	56	3.9	4.9	6.4	6.2	6.7
ч	May	43	3.6	4.8	6.1	6.5	9.6	35	4.0	5.1	6.3	5.3	2.5
Month	Jun	53	3.1	4.4	7.4	10.1	13.3 2.9	55	4.5	6.9	15.0	13.9	16.1 8.6
2	Jul Aug	50 57	2.4 2.5	4.1 3.8	5.8 5.3	4.6	1.8	47 58	3.3 4.1	4.4 5.3	5.8 7.5	6.0 5.9	2.8
	Sep	56	2.7	4.0	5.5	4.5	2.5	54	2.7	4.4	5.5	4.6	2.4
	Oct	58	2.3	3.6	4.4	3.7	1.6	60	2.9	4.5	5.5	4.4	1.7
	Nov	55	2.3	3.8	5.6	4.2	2.2	59	3.0	4.5	5.5	4.8	2.3
	Dec	54	3.0	4.1	6.7	6.0	5.7	48	3.7	5.1	7.3	6.7	6.7
	2	10 19	4.1 2.5	5.2 4.5	6.5 5.9	5.9 4.8	2.5 2.4	11 15	4.0 3.8	6.3 5.0	9.6 5.9	6.4 5.7	3.3 4.0
	3	12	3.2	3.5	5.1	4.2	1.9	16	4.5	5.0	8.1	8.8	8.7
	4	18	3.7	5.0	7.6	7.1	6.8	18	4.9	6.1	7.3	6.7	3.9
	5	15	3.0	5.4	11.1	11.2	13.6	15	3.4	4.6	7.4	5.7	3.8
	6	11	2.2	3.5	4.1	3.5	1.6	15	4.7	5.6	9.2	12.9	17.6
	7 8	0	17.3	17.3	17.3	17.3	0.0	2	21.2	30.1	38.9	30.1	17.7
	9	11	2.7	6.4	9.2	10.6	11.9	13	4.9	5.4	8.4	6.5	2.1
	10	8	3.7	4.3	4.8	12.1	21.9	11	2.6	4.7	7.0	8.7	13.8
	11	12	3.8	6.0	6.3	5.6	2.2	13	4.3	4.9	6.8	7.8	8.8
	12	12	3.0	3.7	5.4	4.1	1.6	12	4.3	5.6	7.0	6.0	2.8
	13 14	21 8	3.8 4.0	6.3 5.6	8.9 6.9	6.3	2.9 4.0	19 11	2.9 3.8	5.2 5.4	6.7 5.5	5.3 4.7	2.9 1.7
	15	12	1.9	3.3	6.3	4.4	2.8	10	5.1	6.0	7.9	7.0	2.9
	16	13	1.7	3.2	4.0	3.2	1.8	15	3.9	4.8	6.4	8.6	12.0
	17	16	2.0	3.6	4.6	3.6	1.5	15	3.0	4.1	4.6	4.0	1.4
	18	7	3.5	4.3	5.6	5.1	2.7	12	4.6	5.9	7.5	6.1	2.4
	19	0	-	-	- 7.0	- 45.0	- 22.0	3	- 2.7	- 4.4	- 4.4	-	- 0.4
	20	6 16	4.9 4.1	6.0 4.9	7.8 5.5	15.9 5.2	22.8	ە 15	3.7	4.1 5.4	4.1 6.7	3.8 5.4	2.3
	22	20	3.1	3.8	5.1	4.2	1.8	17	4.2	5.0	7.7	7.4	7.0
	23	8	13.0	26.3	40.6	25.9	17.1	8	15.0	18.0	24.0	20.7	9.7
	24	9	4.7	16.4	37.5	20.1	17.2	11	9.1	16.4	42.8	27.6	21.0
	25	17	2.6	3.6	6.3	4.5	2.6	15	3.5	4.5	7.0	5.4	2.5
Week	26 27	15 11	3.3 2.3	4.0 3.1	4.6 3.8	3.9 4.1	1.4 3.4	16 8	4.5 3.9	5.2 4.5	7.0 6.3	9.6 6.4	16.0 4.7
š	28	14	2.0	3.3	5.5	3.8	1.9	9	2.2	3.5	5.5	4.0	1.8
	29	12	3.1	4.1	4.3	4.0	1.5	17	3.3	4.7	5.8	4.7	2.0
	30	7	4.4	5.8	6.8	5.5	1.9	9	3.7	4.4	7.5	11.2	17.7
	31	15	2.8	4.2	6.0	5.2	3.5	13	3.0	4.2	5.7	5.2	3.9
	32	13 11	2.3	3.2	4.9 5.3	3.8 4.1	2.1 1.9	10 13	3.0 4.4	4.3 6.9	6.2 7.9	4.6 6.6	1.8 2.7
	34	12	3.0	3.7	4.7	4.0	1.4	12	4.6	5.4	8.3	6.6	2.5
	35	13	3.6	4.2	5.3	4.5	1.7	14	4.1	5.5	6.3	5.3	1.6
	36	18	3.1	3.8	5.8	4.4	2.1	11	4.6	5.1	5.6	4.9	1.3
	37	12	3.2	4.2	4.9	5.0	3.4	16	2.3	4.1	6.7	4.8	3.1
	38	11	2.3	3.9	5.5	4.2	2.0	13	2.9	4.3 3.4	5.4	5.0	2.5
	39 40	13 11	1.9 3.0	3.7 3.6	5.5 4.5	4.3 3.6	2.6 1.1	12 10	2.6 3.1	3.4	5.0 4.3	3.9 4.0	1.9
	41	13	2.3	3.4	3.8	3.6	1.7	12	4.0	4.8	6.2	5.1	2.0
	42	12	2.1	2.9	3.7	3.2	1.4	16	2.9	4.3	5.7	4.2	1.5
	43	16	2.6	3.7	6.0	4.2	1.9	16	2.6	4.4	5.0	3.9	1.4
	44	11	2.8	4.4	5.1	4.1	1.5	12	3.8	5.1	6.3	5.1	1.9
	45 46	13 12	2.9 1.9	3.9 2.3	6.2 4.2	4.4 3.3	2.4	16 11	2.6 3.6	3.5 4.0	5.0 5.0	4.0 4.1	1.9
	47	11	3.1	3.6	4.2	3.9	1.4	13	4.1	5.3	9.7	6.4	3.5
	48	16	3.7	4.4	5.2	4.7	2.4	15	3.5	4.7	5.2	4.5	1.5
	49	14	3.4	4.1	6.2	4.9	2.3	14	3.9	5.0	7.4	8.7	11.1
	50	14	2.3	4.5	6.7	6.9	8.7	14	4.2	5.4	6.5	5.9	2.8
	51	11	3.8	5.0	11.0	7.0	4.5	8	3.1	5.1	8.5	6.2	3.9
	52 53	13 2	3.0	4.1 3.7	4.7 4.1	5.6 3.7	5.0 0.9	10 2	3.9 4.0	5.5 4.4	7.1 4.7	5.9 4.4	2.8 0.7
	55		0.0	5.1	7.1	5.1	0.9		<del>-</del> .∪	7.4	7.1	7.4	0.1

L	5		Do	wnstrea	m Direc	tion		Upstream Direction					
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	')
me l	Time F	Count	F	Percentil	е	+	Std.	Count		Percentil	е	•	Std.
			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	517	0.5	0.6	1.4	1.1	1.0 1.2	485	0.7	0.8	1.3	1.2	0.9 1.0
	Jan Feb	74 15	0.5 0.4	0.7	1.2 2.1	1.2	1.2	76 22	0.7	0.8	1.5 1.5	1.3 1.4	1.0
	Mar	53	0.5	0.6	1.3	1.1	0.9	59	0.7	0.8	1.1	1.1	0.8
	Apr	53	0.5	0.7	1.7	1.1	0.9	57	0.8	0.9	1.7	1.3	0.9
اءا	May	22	0.6	0.6	0.8	8.0	0.6	14	0.6	0.8	1.2	1.0	0.6
Month	Jun	34	0.5	0.6	0.7	0.8	0.7 1.0	21	0.7	0.8	0.9	0.8	0.2
Σ	Jul Aug	24 44	0.6 0.5	0.7	1.4 0.7	1.2 0.9	0.8	19 29	0.8	0.9	1.2	1.1	0.5
	Sep	44	0.5	0.7	1.8	1.2	1.1	34	0.7	0.8	1.0	0.9	0.4
	Oct	56	0.6	0.7	1.9	1.3	1.0	51	0.7	0.8	1.3	1.1	0.8
	Nov	52	0.6	0.6	2.0	1.4	1.2	58	0.8	0.9	1.6	1.4	1.1
	Dec	46	0.5	0.6	1.1	0.9	0.9	45	0.8	1.1	1.6	1.3	0.8
	2	14 16	0.6 0.5	0.9	2.5 0.9	1.7 1.0	1.5 0.8	12 13	0.6	0.8	2.9 0.9	1.6 1.2	1.3
	3	16	0.4	0.5	0.7	1.1	1.2	20	0.7	0.9	1.2	1.3	1.1
	4	17	0.5	0.7	1.4	1.3	1.4	19	0.8	0.8	1.3	1.1	0.7
	5	16	0.4	0.5	1.3	1.1	1.1	16	0.7	0.8	1.3	1.2	1.0
	6	8	0.5	0.5	0.9	1.0	1.0	12	0.7	8.0	1.9	1.6	1.3
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	6	0.8	1.4	1.6	1.3	0.7	13	0.8	0.8	1.5	1.0	0.4
	10	8	0.5	0.5	0.8	0.7	0.4	9	0.7	0.8	1.9	1.6	1.4
	11	13	0.5	0.7	1.4	1.2	1.1	13	0.8	0.9	1.1	1.2	0.8
	12	11	0.5	0.7	0.9	1.0	0.8	15	0.7	0.8	1.0	1.0	0.7
	13 14	16 11	0.5	0.6	1.0 2.5	1.1	1.0	13 14	0.7	0.8	0.9	0.8 1.0	0.2
	15	14	0.6	0.7	1.5	1.7	0.7	13	0.8	0.8	2.5	1.6	1.1
	16	11	0.5	0.5	0.5	0.5	0.1	13	0.8	0.9	1.1	1.3	0.9
	17	15	0.6	1.2	2.0	1.4	0.9	12	0.8	0.9	1.1	1.1	0.5
	18	4	0.5	0.5	0.9	8.0	0.6	9	0.6	0.8	1.7	1.3	1.1
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	7	0.6	0.8	1.8	1.3	1.1 0.6	1 5	1.0 0.8	1.0 0.8	1.0	1.0	0.0
	22	13	0.6	0.6	0.7	0.6	0.0	8	0.6	0.8	1.1	1.1	0.4
	23	4	0.6	0.6	0.9	0.9	0.5	2	0.7	0.7	0.7	0.7	0.0
	24	9	0.6	0.9	1.5	1.4	1.2	6	0.7	0.7	0.8	0.8	0.1
	25	13	0.5	0.5	0.7	0.6	0.3	7	0.7	0.8	1.0	0.9	0.3
송	26	5 5	0.6	0.7	0.7	0.6	0.1	1	0.9	1.0 0.9	1.0	0.9	0.1
Week	27 28	9	0.5 0.5	0.5	0.7	1.0	0.5 1.2	3	0.9	0.9	0.9 1.2	0.9 1.1	0.0
	29	5	0.7	0.9	1.3	0.9	0.3	9	0.8	0.9	1.3	1.2	0.7
	30	6	0.9	1.9	2.3	1.8	0.9	5	0.9	0.9	1.1	1.0	0.4
	31	8	0.5	0.6	0.7	0.7	0.3	7	0.7	0.8	1.1	1.0	0.4
	32	7	0.6	0.8	1.2	1.4	1.4	7	0.7	0.8	0.9	0.8	0.3
	33 34	11	0.5 0.5	0.7	1.2 0.6	1.0 0.6	0.9	6 2	0.8	0.8	0.8	0.8	0.1
	35	8	0.5	0.6	0.6	0.0	0.1	8	0.8	1.0	1.4	1.3	0.2
	36	14	0.5	0.6	0.6	0.9	0.9	11	0.7	0.8	1.0	0.9	0.5
	37	6	0.7	1.3	2.3	1.4	0.9	9	0.7	0.8	1.0	0.9	0.3
	38	8	0.5	0.7	0.9	0.9	0.6	6	0.8	0.8	1.0	1.0	0.5
	39 40	10 14	0.6	0.7	1.5 2.5	1.4 1.6	1.2	7	0.8	0.8 1.0	1.0	1.0	0.4
	41	14	0.6	0.7	1.6	1.4	1.1	13	0.5	0.8	1.0	0.9	0.9
	42	13	0.6	0.7	2.0	1.3	0.9	15	0.7	0.8	1.1	1.0	0.5
	43	15	0.6	0.6	1.5	1.2	1.0	16	0.6	0.8	1.1	1.2	1.0
	44	9	0.6	1.4	2.1	1.7	1.4	9	0.7	0.8	0.8	1.1	0.9
	45	12	0.6	0.6	0.9	1.0	0.8	14	0.9	1.0	1.4	1.4	0.9
	46 47	13 8	0.6	0.7	2.3	1.7	1.5 0.9	12	0.8	2.0 0.8	3.4 1.1	2.3 1.0	1.6 0.5
	48	16	0.6	0.7	2.1	1.4	1.0	14	0.8	0.0	1.0	1.2	0.8
	49	13	0.7	0.8	1.3	1.1	0.6	13	0.8	1.1	1.7	1.3	0.6
	50	10	0.4	0.5	0.6	0.6	0.4	14	0.7	0.9	1.2	1.2	0.9
	51	8	0.5	0.6	0.9	0.9	0.7	8	0.7	1.0	1.6	1.4	1.0
	52	11	0.4	0.4	1.1	0.8	0.6	7	1.1	1.5	1.6	1.4	0.5
	53	4	0.6	0.6	1.8	1.7	1.9	3	1.0	1.0	1.1	1.1	0.1

L	6		Do	wnstrea	m Direc	tion		Upstream Direction					
nit	75		Ti	ravel Tin	ne Estim	ate (hou	ır)			Travel Ti	ne Estim	ate (houi	·)
Time Unit	e Pd.	겉	F	ercentil	e		C44	ıt		Percentile	е		244
Ξ	Time	Son				Ava.		Cou				Avg.	Std. Dev.
Υ	2013	478	1.3	1.5	1.8	1.9	1.5	463	1.7	2.0	2.4	2.3	1.4
	Jan	74	1.2	1.4	1.8	2.1	1.9	70	1.8	2.1	2.5	2.4	1.2
	Feb	0	-	-	-	-	-	1	3.0	3.0	3.0	3.0	0.0
	Mar	Travel   Travel	-	-	-								
	Apr		Page	-	-								
ے	May							-	-				
Month	Jun											2.6	1.0
Σ	Jul											2.5	1.5 1.5
	Sep											2.2	1.5
	Oct											2.2	1.3
	Nov						0.3					2.2	1.4
	Dec	55	1.2	1.4	1.8	1.6	0.7	46	1.8	2.1	2.6	2.5	1.1
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2											2.4	1.3
	3											2.8	1.4
	4											2.3	0.9
	5											2.0	0.4
	7									1		-	-
	8											-	-
	9											-	-
	10		-	-	-	-	-		-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12		-	-	-	-	-		-	-	-	-	-
	13		-	-	-	-	-		-	-	-	-	-
	14										-	-	-
	15									-		-	-
	17									1			-
	18		-	_	-	-	-		-	-	-	-	-
	19		-	-	-	-	-		-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-		0	-	-	-	-	-
	22	_	-	-	-	-	-		-	-	-	-	-
	23	_					-		-	-	-	-	-
	-											-	-
	26											2.6	1.0
Week	27							_				2.5	1.1
≥	28											2.4	1.0
	29	14	1.4	1.7	2.5	2.7	2.5	21	1.8	2.0	2.2	2.8	2.2
	30											2.3	1.0
	31											2.2	0.7
	32											2.0	0.7
	33											2.0	0.4
	35											2.2	2.6
	36											1.9	0.4
	37											2.8	2.6
	38	14	1.3	1.7	1.9	1.6	0.4	17				2.0	0.6
	39											2.3	1.4
	40											2.9	2.1
	41											2.2	1.0
	42											1.8	0.4
	43											2.9	3.2
	45											2.1	0.5
	46											1.9	0.6
	47	10		1.5				14				2.1	0.5
	48	20		1.6	1.7	1.6		20	1.7	2.2	2.4	2.1	0.4
	49											2.4	1.1
	50											2.3	0.6
	51											1.8	0.2
	52 53											2.7 3.2	1.5 1.0
ш	55	J	1.4	1.0	1.0	1.0	V.£	·		2.0	7.1	V.£	1.0

L	7		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	.)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	588	2.1	2.5	3.2	5.1	10.3 5.0	594	2.5	3.0	3.7	5.1	9.5
	Jan Feb	101 16	2.0	2.4	2.8	3.1 2.6	0.9	99 19	2.6	3.0 2.9	3.5 3.3	3.7 2.9	0.6
	Mar	36	2.9	3.7	27.4	19.8	24.4	38	3.6	5.1	17.8	17.3	22.7
	Apr	3	3.4	3.9	7.0	5.6	3.2	2	18.9	33.5	48.0	33.5	29.0
ے	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	8	1.9	2.3	2.6	7.2	13.3 9.6	10	2.3	3.1	3.2	2.9	0.6 8.0
2	Jul Aug	68 87	2.0	2.3	2.9 3.6	4.4 5.3	8.8	71 83	2.5	3.0 2.8	3.5 3.5	5.0 4.5	6.8
	Sep	74	2.1	2.5	3.4	5.3	9.8	75	2.4	2.8	3.6	3.5	4.0
	Oct	71	2.1	2.5	2.8	3.4	4.7	73	2.4	2.8	3.4	4.4	8.2
	Nov	63	2.3	2.6	3.2	3.9	6.1	66	2.7	3.0	3.5	3.2	0.9
	Dec	61	2.1	2.4	2.8	4.0	8.9	58	2.6	2.9	3.4	5.9	11.9
	2	17 25	2.4	2.8	3.1	3.0 4.7	1.4 9.8	14 21	2.8	3.0	3.5 3.7	3.3 5.7	0.8 7.1
	3	24	1.9	2.2	2.5	2.4	0.9	29	2.6	2.9	3.8	3.1	0.7
	4	24	2.1	2.4	2.7	2.4	0.5	21	2.5	2.8	3.1	2.8	0.6
	5	16	1.8	2.2	2.3	2.2	0.5	22	2.5	2.8	3.4	3.3	2.3
	6	11	2.2	2.6	2.7	2.8	1.0	11	2.7	2.9	3.2	3.0	0.5
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	5	11.7	55.9	60.3	39.9	26.8	2	2.8	3.1	3.3	3.1	0.5
	11	9	2.8	8.5	36.3	23.6	25.5	13	3.3	5.7	41.3	20.7	23.9
	12	11	2.8	3.4	12.0	8.2	7.7	10	4.5	8.1	16.3	19.2	24.1
	13	11	2.8	3.3	29.7	19.1	26.4	13	3.8	4.4	7.4	14.7	20.9
	14 15	0	3.4	3.9	7.0	5.6	3.2	0	18.9	33.5	48.0	33.5	29.0
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	1	-	1	-	-	0	-	-	-	-	1
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	
	25	0	-	-	-	-	-	0	-	-	-	-	-
쑮	26	6	1.8	2.1	2.5	2.1	0.5	8	2.5	3.1	3.4	3.0	0.6
Week	27 28	13 24	2.1	2.3	3.2 2.9	5.6 7.3	10.7 15.4	12 19	1.9 2.8	2.6	3.1 5.2	2.6 8.7	0.7
	29	16	1.9	2.3	3.4	2.6	1.1	23	2.5	3.0	4.1	4.7	13.7 4.8
	30	13	2.3	2.7	2.9	3.9	3.7	14	2.5	3.1	3.5	3.1	0.9
	31	19	2.2	2.5	3.2	3.0	1.7	17	2.7	3.2	4.1	3.4	1.3
	32	16	2.2	2.7	4.5	5.2	6.8	14	2.3	3.0	4.1	3.7	2.7
	33	17	2.0	2.3	2.8	4.7	9.0	19	2.5	2.7	3.2	8.3	13.2
	34 35	19 20	2.2	2.6 2.5	3.7 3.5	7.5 5.3	12.8 8.0	18 20	2.3	2.5 2.9	3.2	2.8 3.4	0.8 1.9
	36	23	2.0	2.3	3.0	4.3	6.6	19	2.5	2.9	3.5	2.9	0.9
	37	17	2.2	2.5	3.2	9.6	17.6	19	2.4	3.2	3.5	3.2	1.3
	38	13	2.3	2.8	3.4	4.2	4.2	17	2.3	2.8	3.2	2.8	0.8
	39	16	2.1	2.9	4.3	3.9	2.7	15	2.5	2.8	3.6	5.5	8.5
	40	19	2.0	2.1	2.9	4.6	8.4	18	2.7	3.2	4.7	3.6	1.3
	41 42	16 16	2.3	2.7	3.9 2.6	3.8 2.3	2.7 0.5	16 18	2.5	3.0 2.6	3.4 3.1	3.5 4.2	2.4 4.0
	43	19	2.3	2.4	2.7	2.5	0.4	18	2.5	2.8	3.1	6.5	15.5
	44	9	2.2	2.6	8.0	4.4	2.8	12	2.7	2.9	3.6	3.4	1.1
	45	20	2.4	2.9	3.1	5.1	10.3	17	2.8	3.1	3.3	3.3	0.9
	46	9	2.3	2.5	2.6	2.5	0.3	10	2.3	2.8	4.0	3.2	1.1
	47 48	10	2.5	2.9	3.5	3.2	0.8	15	2.5	2.8	3.7	3.1	0.9
	48	21 17	2.3	2.6	3.8 2.9	3.6 2.7	2.3 0.6	20 14	2.7	3.2 2.9	3.5 3.3	3.2	0.8
	50	11	2.0	2.2	3.5	10.1	19.8	16	2.6	3.0	3.9	9.0	15.4
	51	12	2.3	2.5	2.9	2.8	0.9	8	2.5	2.8	3.5	3.0	0.9
	52	15	1.9	2.0	2.4	2.4	1.0	16	2.6	2.8	3.0	7.2	15.8
	53	6	2.2	2.4	2.8	2.8	1.1	4	3.3	3.5	3.9	3.8	0.7

ᅵ	8		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	<u>')</u>
le L	e P	Count	F	Percentil	е		Std.	Count		Percentil	е		Std.
ᄩ	Time	S	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	160	2.6	3.0	3.7	3.9	3.9	161	4.3	5.3	6.8	6.8	5.1
	Jan	99	2.7	3.1	3.6	3.7	2.5	96	4.3	5.1	6.6	6.6	4.9
	Feb	3	2.4	2.6	2.7	2.5	0.3	9	5.3	5.8	6.8	6.4	2.5
	Mar	5	4.1	4.4	6.3	5.0	1.2	11	5.5	7.2	8.4	8.4	4.7
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
ے ا	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
≥	Jul Aug	0	-	-	-	-	-	0	-	-	-		-
	Sep	0	-				_	0					
	Oct	0	-	_	-	-	-	0	-	-	-	_	-
	Nov	0	-	-	-	-	-	0	-	-	-	-	-
	Dec	53	2.6	2.8	3.5	4.4	5.7	45	4.2	5.7	6.5	7.0	5.9
	1	16	3.0	3.5	3.8	3.6	1.1	12	4.1	5.2	6.5	6.1	3.0
	2	24	2.5	3.0	3.4	3.6	2.6	22	4.1	4.3	5.7	7.1	7.4
	3	23	2.5	2.9	3.4	3.6	2.5	27	4.7	6.4	7.5	7.0	3.5
	4	24	2.7	3.1	3.9	3.7	1.7	19	4.5	4.9	5.7	5.2	1.5
	5	14	2.4	2.6	3.1	3.8	4.2	21	4.0	5.3	6.8	6.7	5.1
	6	1	2.6	2.6	2.6	2.6	0.0	4	5.4	5.7	7.5	7.3	3.1
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	10	3	4.3	4.4	5.5	- 5.1	1.1	3	6.1	7.3	14.3	11.1	7.2
	11	2	4.3	5.0	5.7	5.0	1.3	1	8.8	8.8	8.8	8.8	0.0
	12	0	-	-	-	-	-	4	5.6	6.6	8.7	7.7	3.2
	13	0	-	-	-	-	-	3	5.6	7.0	7.5	6.4	1.6
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	1	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
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	44	0	-	-	-	-	-	0	-	-	-	-	-
	45	0	-	-	-	-	-	0	-	-	-	-	-
	46	0	-	-	-	-	-	0	-	-	-	-	-
	47	0	-	-	-	-	-	0	-	-	-	-	-
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	7	2.6	2.9	3.6	3.8	2.2	3	5.3	6.0	6.1	5.6	0.7
	50	12	2.6	2.8	3.3	7.6	10.9	15	4.6	5.7	6.3	8.5	8.5
	51 52	13 15	3.0 2.5	3.3 2.7	3.7	4.1 3.0	2.2	9 15	3.8	4.1 4.8	6.2	5.1 6.1	2.6
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Page		on	n Directio	Upstrean				tion	m Direc	wnstrea	Do		9	L
Y   2013   189	ır)	ate (hour	ne Estim	Travel Tir	1		ır)	ate (hou	ne Estim	ravel Tin	Tı		ď.	Juit
Y   2013   189	Std.		Э	Percentile	F	unt	Std.		е	ercentil	Р	m	ne P	ne L
	Dev.	Avg.	75th	50th	25th	ပိ		Avg.	75th	50th	25th	ပိ	Tin	J.L
Feb	9.0	5.7	3.8	3.0	2.6	179		6.4	3.2	2.4	2.1	189	2013	Υ
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13   5   3.1   8.5   9.3   14.9   18.3   6   4.1   9.8   19.3   16.0     14   2   9.5   15.3   21.1   15.3   11.6   2   3.5   3.7   3.9   3.7     15   0   -   -   -   -   -   0   -   -   -	20.4		30.3		3.4		8.3		17.8		3.0		11	
14	10.8	10.7		6.6			2.5		6.3	5.0	3.8	2	12	
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50         25         2.0         2.3         2.5         4.3         10.0         20         2.6         2.8         3.1         3.9           51         13         2.3         2.4         2.6         3.1         2.6         11         2.7         3.1         3.5         7.4	- 0.4													
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L	10		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-				ravel Tir			ır)					ate (hour	)
Time Unit	Time Pd.	Ħ		Percentil			Std.	ţ		Percentil			Std.
Tin	Tim	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	112	4.7	8.0	13.7	11.4	9.8	114	7.1	8.6	12.0	12.4	10.2
	Jan	52	6.0	10.5	16.2	13.9	11.1	63	7.6	8.9	12.3	12.5	9.4
	Feb Mar	0	-	-	-	-	-	0	6.8	6.8	6.8	6.8	0.0
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
ž	Jul	0	-	-	-	-	-	0	-	-	-	-	-
	Aug Sep	0	-	-	-	-	-	0	-	-	-	-	-
	Oct	0	_	-	-	-	-	0	-	-	-	-	-
	Nov	0	-	-	-	-	-	0	-	-	-	-	-
	Dec	60	4.4	6.4	11.8	9.3	7.8	50	6.6	7.9	11.2	12.4	11.2
	1	8	9.9	26.9	43.8	26.9	17.0	7	7.8	8.6	9.9	13.3	12.4
	3	9 10	5.1 7.8	6.4 10.9	22.2 14.6	12.0 11.5	9.5 4.5	14 19	8.8 8.5	10.7 10.4	21.9 12.3	16.5 10.9	11.6 4.3
	4	16	7.7	11.7	14.8	13.5	8.4	12	7.2	8.3	11.0	13.0	12.0
	5	9	4.4	4.8	8.3	7.4	4.0	12	7.1	8.0	9.9	9.1	3.1
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	1
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25 26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
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	32	0	-	-	-	-	-	0	-	-	-	-	-
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	48 49	0 4	4.1	4.4	5.2	5.0	1.2	0 4	7.9	8.8	19.6	18.6	18.1
	50	24	4.1	6.7	11.9	10.5	9.9	21	6.7	7.9	16.5	13.9	12.1
	51	11	5.1	9.0	13.8	11.0	6.9	8	6.1	6.5	7.5	6.8	1.5
	52	15	3.8	4.1	8.0	6.5	4.1	11	6.1	8.1	10.4	9.4	4.5
Ш	53	6	5.0	10.3	13.3	10.9	6.7	6	7.9	11.1	15.3	15.9	12.8

L	11		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
nit	٦.		Т	ravel Tir	ne Estim	ate (hou	ır)		•			ate (hour	.)
Time Unit	Time Pd.	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
Ξ	Ţ	ខិ	25th	50th	75th	Avg.	Dev.	Col	25th	50th	75th	Avg.	Dev.
Υ	2013	191	2.3	2.7	3.2	3.5	5.1	197	2.7	3.0	3.8	4.4	6.7
	Jan	0	-	-	-	-	-	1	5.3	5.3	5.3	5.3	0.0
	Feb Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
_	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
Σ	Jul Aug	0	-	-	-	-	-	0	-	-	-	-	-
	Sep	0	-	-	-	-	-	0	-	-	-	-	-
	Oct	3	2.7	2.7	3.1	3.0	0.4	8	2.2	2.4	2.9	2.6	0.4
	Nov	90	2.4	2.7	3.2	3.0	0.9	97	2.7	3.0	3.8	4.0	4.9
	Dec 1	98	2.3	2.7	3.2	4.0	7.1	91 0	2.7	3.0	4.0	5.0	8.3
	2	0	-	-	-	-	-	1	5.3	5.3	5.3	5.3	0.0
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6 7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17 18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
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	32	0	-	-	-	-	-	0	-	-	-	-	-
	34	0	-	-	-	-	-	0	-	-	-	-	-
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37 38	0	-	-	-	-	-	0	-	-	-	-	-
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41	0	-	-	-	-	-	0	-	-	-	-	-
	42 43	0	-	-	-	-	-	0	-	-	-	-	-
	43	5	2.7	2.7	2.7	2.8	0.4	10	2.2	2.7	3.0	3.1	1.5
	45	16	2.7	2.9	3.7	3.3	0.9	17	2.7	2.8	3.3	3.3	1.5
	46	23	2.5	2.7	3.1	2.8	0.7	24	2.6	3.3	4.5	3.7	1.4
	47	18	2.4	2.5	2.9	2.8	0.8	23	2.6	3.0	3.7	5.2	9.5
	48 49	31 20	2.4	2.8	3.3 2.7	3.0 2.5	1.0 0.4	31 19	2.7	3.0	3.4 3.5	3.6	2.0 0.8
	50	32	2.3	3.0	3.3	4.6	9.1	30	2.7	3.0	4.0	5.2	9.2
	51	16	2.5	3.0	3.2	3.3	1.4	12	2.5	2.8	4.0	3.5	1.6
	52	21	2.2	2.6	3.2	5.5	9.9	18	2.9	3.2	5.1	8.3	13.8
Ш	53	9	2.3	2.6	3.0	2.6	0.5	12	2.7	2.9	3.8	3.5	1.4

L	12		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
ne L	ne P	Count	F	Percentil	е		Std.	Count		Percentil	e		Std.
Ė	Time F	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	323	3.4	4.0	4.7	4.4	2.9	330	4.7	5.3	6.2	5.7	3.2
	Jan	127	3.4	3.9	4.6	4.2	1.7	125	4.7	5.3	6.3	5.8	2.3
	Feb	0	3.3	3.3	3.4	3.3	0.2	0	5.4	5.5	5.6	5.5	0.2
	Mar Apr	0	-	-	-	-	-	0	-	-	-	-	-
	May	0	-	-	-	-	-	0	-	_	-	-	-
ιth	Jun	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jul	0	1	-	-	-	-	0	1	-	-	-	•
	Aug	0	-	-	-	-	-	0	-	-	-	-	-
	Sep	0	-	-	-	-	-	0	-	-	-	-	- 40.0
	Oct Nov	5 91	3.9	4.3	4.7 5.0	9.2 4.4	10.1 0.9	10 98	4.1	4.7 5.1	6.3 6.0	8.3 5.6	10.3 3.8
	Dec	98	3.4	3.8	4.3	4.4	4.1	95	4.7	5.3	6.2	5.5	1.2
	1	17	3.7	4.3	5.5	4.5	1.0	16	4.6	5.2	6.3	5.4	1.2
	2	28	3.7	4.3	4.9	4.7	2.8	23	4.6	5.3	6.1	6.3	3.7
	3	31	3.3	3.6	4.0	3.6	0.6	34	5.4	6.0	6.9	6.7	2.4
	4	30	3.4	4.2	4.6	4.1	8.0	31	3.9	4.9	5.8	4.9	1.1
	5	23	3.4	3.6	5.0	4.4	1.8	23	5.0	5.3	5.7	5.6	1.5
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0		-			
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	,	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-		-		0		-	-		
	18	0	-	-	-	-	-	0	-	_	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24 25	0	-	-	-	-	-	0	-	-	-	-	-
	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
3	28	0	·	-	-	-	-	0	-	-	-	-	
	29	0	-	-	-	-	-	0	-	-	-	-	-
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	0	-	-	-	-	-	0	-	-	-	-	-
	32	0	-	-	-	-	-	0	-	-	-	-	-
	34	0	-	-	-	-	-	0	-	-	-	-	-
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41 42	0	-	-	-	-	-	0	-	-	-	-	-
	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	7	4.0	4.3	5.0	7.9	8.8	11	4.2	4.6	6.2	8.0	9.9
	45	17	4.2	4.6	5.0	4.7	1.1	19	4.2	4.8	5.8	6.8	8.2
	46	22	3.8	4.3	5.0	4.4	0.9	23	4.4	5.0	5.7	5.2	1.1
	47	19	4.0	4.5	5.0	4.5	0.7	24	4.3	5.3	5.9	5.2	1.1
	48	31	3.5	4.1	4.8	4.1	0.8	31	5.0	5.6	6.1	5.6	0.9
	49 50	19	3.7	4.1	5.2 4.0	4.3	0.8	20	4.8	5.4	6.1	5.5	1.1
	50 51	31 18	3.3	3.6 4.6	5.6	3.7 7.0	0.6 8.9	30 15	4.7	5.2 5.2	6.0 5.7	5.3 5.0	0.9 1.1
	52	21	3.1	3.2	3.5	3.7	1.7	18	4.1	5.5	6.5	6.0	1.3
				3.7	3.8	3.7	0.5	12	5.0	5.9	7.0	6.0	1.2

L	13		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	.)
me (	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	1057	2.3	2.7	3.3	3.6	4.2 2.5	1065	2.6	3.0	4.0	4.5	6.6 3.7
	Jan Feb	119 18	2.3	2.8	3.8 4.8	3.6 7.1	13.3	121 19	2.7 3.3	3.1 3.8	4.2 19.4	4.2 14.7	19.6
	Mar	45	2.3	2.6	3.0	2.8	0.9	44	2.4	2.8	3.5	8.0	14.7
	Apr	88	2.2	2.6	3.0	3.1	2.4	97	2.6	3.1	3.9	4.1	6.8
ے	May	110	2.4	2.7	3.3	2.9	0.9	110	2.6	2.9	3.6	3.7	4.3
Month	Jun	104	2.3	2.8	3.4	3.5	4.4 2.5	99	2.6	3.2	4.5	3.8	2.1 1.7
Σ	Jul Aug	88 104	2.2	2.6	3.2 3.5	3.3 4.1	4.4	97 87	2.5 2.6	3.1 3.1	3.9 3.8	3.6 5.0	8.1
	Sep	95	2.3	2.8	3.4	3.3	2.0	98	2.5	2.9	4.1	4.4	5.9
	Oct	96	2.6	3.0	4.4	5.6	9.1	94	2.6	3.0	4.7	4.2	2.6
	Nov	94	2.4	2.8	3.2	3.0	0.9	104	2.6	2.9	3.4	3.5	1.9
H	Dec	96	2.3	2.7	3.3	3.0	1.1	95	2.6	3.0	4.2	5.0	9.3
	2	18 23	2.5	3.0	3.2 4.7	3.4 4.8	2.0 4.1	17 22	2.7 2.9	3.4 3.7	5.0 4.9	6.6 4.3	8.1 2.1
	3	28	2.2	2.7	3.8	3.4	2.1	31	2.7	2.9	3.5	3.8	2.3
	4	29	2.3	2.6	3.3	3.2	1.8	30	2.7	3.1	4.1	3.8	1.9
	5	25	2.3	2.9	4.3	5.5	11.2	26	2.6	3.0	4.2	6.1	13.1
	6	14	2.3	2.5	3.6	4.1	3.9	14	3.3	3.7	24.4	13.7	16.1
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	10	2.3	2.6	2.9	2.9	1.4	13	2.6	2.8	40.2	20.0	23.0
	13	30	2.1	2.6	3.2	2.8	0.8	29	2.4	2.8	3.3	3.0	0.8
	14 15	24 29	2.3	2.6 2.6	3.0 2.8	3.2 3.4	2.4 3.3	23 28	2.5 2.8	3.4	3.9 4.0	3.4 3.6	0.9
	16	23	2.2	2.5	2.8	2.8	1.3	25	2.8	3.2	3.8	6.5	13.0
	17	15	2.1	2.6	3.0	2.7	1.0	20	2.3	2.6	3.2	2.7	0.6
	18	17	2.5	2.7	3.4	3.1	1.1	22	2.5	3.1	3.9	3.5	1.2
	19	25	2.4	2.7	3.2	2.9	0.8	21	2.6	2.8	3.3	4.9	8.8
	20	24	2.1	2.6	3.1	2.7	0.7	24	2.7	2.9	3.5	3.2	0.8
	21	22 26	2.3	2.7	3.3	3.0	1.2 0.8	24 26	2.6 2.6	3.0 2.9	3.5 3.6	3.9 3.2	3.2 1.1
	23	23	2.7	3.0	3.7	5.0	8.8	23	2.6	3.2	5.3	4.4	3.0
	24	29	2.3	2.4	2.9	2.8	1.1	26	2.4	3.4	4.0	3.5	1.3
	25	26	2.6	3.2	3.6	3.2	8.0	22	3.0	3.4	4.6	4.2	1.9
놓	26	20	2.3	3.0	3.7	3.4	1.9	22	2.4	2.8	3.3	3.2	1.3
Week	27 28	22 26	2.0	2.5 2.5	2.9 3.1	2.6 3.2	0.8 2.9	21 26	2.6	3.1	3.5 4.2	3.7 3.8	2.1 1.8
	29	23	2.1	2.7	3.7	3.7	2.9	24	2.7	2.7	3.7	3.6	1.9
	30	17	2.3	2.6	3.2	3.6	2.6	17	2.4	2.9	3.5	3.3	1.4
	31	21	2.0	2.8	3.1	3.1	2.2	22	2.7	3.5	4.2	3.5	1.0
	32	19	3.1	3.5	4.1	4.8	3.4	15	3.0	3.3	4.0	7.7	14.3
	33	22	2.3	2.7	3.4	3.6	2.5	18	2.6	2.8	3.6	6.5	10.7
	34 35	20 26	2.5	2.6	3.0	3.8 5.1	2.9 7.3	17 26	2.5 2.6	2.9 3.1	3.4	3.9 3.8	2.8
	36	26	2.2	2.6	3.0	2.9	1.1	24	2.6	2.9	3.5	3.3	1.2
	37	25	2.3	2.8	3.3	3.0	1.1	28	2.5	2.9	3.8	3.3	1.4
	38	19	2.3	2.6	3.5	3.3	1.9	21	2.7	2.9	4.7	3.8	1.8
	39	21	2.1	2.8	3.4	3.9	3.0	17	2.4	2.9	6.0	5.2	4.2
	40	19 24	2.6	3.1 2.9	8.2 3.4	7.2 3.7	9.8 2.2	25 19	2.6 2.5	3.2	4.5 5.5	5.9 4.2	10.8
	42	22	2.9	3.4	5.1	4.2	2.1	21	2.8	4.4	8.8	6.2	3.8
	43	21	2.6	2.9	3.3	5.7	11.1	24	2.7	3.0	4.3	3.8	2.0
	44	18	2.6	3.0	3.3	7.5	13.2	20	2.7	2.9	3.2	3.0	0.5
	45	22	2.7	2.8	3.1	3.1	8.0	21	2.4	2.8	3.0	3.5	3.3
	46	21	2.3	2.8	3.2	2.9	0.7	22	2.8	3.0	3.6	3.5	1.2
	47 48	17 30	2.4	2.7	3.0	2.8 3.1	0.7 1.1	22 32	2.6	2.9 3.1	3.2 3.9	3.1	1.2
	49	19	2.3	2.5	2.8	2.6	0.4	19	2.6	2.8	3.1	3.0	0.7
	50	30	2.3	2.7	3.5	3.0	1.0	29	2.6	3.0	5.0	6.7	12.7
	51	17	2.8	3.1	3.5	3.6	1.4	16	2.5	3.0	3.9	3.2	0.9
	52	19	2.0	2.4	3.2	2.8	1.0	22	2.8	4.1	5.1	6.9	12.0
Ш	53	11	2.4	2.5	3.0	3.0	1.2	9	2.6	2.9	3.1	3.0	0.6

L	14		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Jnit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		-		me Estim		)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	986	4.5	5.3	6.6	6.3	5.0 1.8	983	6.0	7.2	8.8	8.4	5.9 3.1
	Jan Feb	120 17	4.3	5.2 4.4	6.5 5.3	5.6 5.9	3.4	116 23	6.4 7.7	7.6 9.2	8.8 10.1	8.2 9.1	1.8
	Mar	63	4.6	5.6	6.8	8.9	10.5	61	6.1	7.4	9.3	11.8	12.5
	Apr	40	4.3	4.9	6.0	6.3	6.0	46	6.4	7.6	9.3	9.6	8.6
£	May Jun	102 71	5.0 4.5	6.0 5.1	6.9	6.2 5.5	1.6 1.4	106 59	5.9 6.3	7.0 8.0	8.0 9.8	8.1 8.4	6.3 3.0
Month	Jul	91	4.1	5.1	6.1	6.1	5.4	99	6.5	7.3	9.2	8.4	4.0
	Aug	100	4.5	5.4	6.6	6.6	5.1	86	5.6	6.5	8.7	8.2	5.8
	Sep	95	4.5	5.3	7.1	6.4	4.8	98	5.3	6.4	7.9	7.3	4.7
	Oct Nov	95 96	5.2	5.8 5.6	7.2 6.4	6.7 5.7	3.2 1.2	96 105	5.8 6.1	6.9 7.0	8.0 8.2	7.8 7.8	5.5 5.1
	Dec	96	4.1	4.7	6.1	6.6	7.8	88	6.3	7.4	9.8	8.6	4.7
	1	15	5.3	6.2	7.0	6.4	1.6	13	6.5	7.7	8.3	7.4	1.5
	2	30	4.4	5.3	6.6	5.6	1.4	25	6.5	7.3	10.4	9.8	5.3
	3	26 29	4.2	4.5 5.2	5.1 5.8	5.2 5.5	1.7 1.4	33 26	7.8 5.4	8.8 6.5	10.0 7.6	8.9 6.9	1.9 2.0
	5	23	4.1	5.3	6.4	5.8	2.7	26	6.8	7.5	8.6	8.0	2.1
	6	14	4.1	4.5	6.2	6.3	3.7	16	7.5	8.0	9.7	8.5	1.4
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	10	5.3	6.5	37.0	19.9	18.0	9	8.5	9.9	41.2	21.2	18.0
	11	5	5.0	7.0	7.4	13.1	14.3	4	6.6	8.3	10.2	8.4	1.9
	12	13	4.6	4.7	6.0	7.4	8.7	14	6.8	8.8	11.1	17.1	17.9
	13 14	30 25	4.6	5.7 5.0	6.7 6.1	5.7 5.3	1.3 1.2	30 26	5.7 6.1	6.7	8.1 9.0	7.5 7.5	3.2 2.1
	15	8	4.2	5.5	9.3	11.1	12.1	8	7.4	9.2	9.8	8.6	1.8
	16	11	4.5	4.8	5.5	4.9	0.7	12	7.3	8.7	9.7	14.9	15.3
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18 19	17 24	4.8 5.3	5.3 6.0	6.7 6.5	5.7 6.0	1.1 1.2	21	6.3 5.4	6.8	8.3 7.5	7.3 6.4	1.5
	20	25	4.7	5.5	6.7	5.8	1.2	22	6.3	7.1	8.4	7.8	2.2
	21	21	5.3	6.0	8.3	7.0	2.2	25	6.2	7.1	7.6	7.7	3.3
	22	16	4.9	6.5	7.9	6.4	1.9	20	6.4	7.0	8.5	11.6	13.1
	23 24	21	4.4	4.8	6.1	5.2	1.3	13	6.0	9.3	10.0	9.0	3.9
	25	25	4.7	5.3	6.3	5.5	1.0	25	6.7	7.7	10.0	8.4	2.9
¥	26	21	4.5	5.3	6.2	5.7	1.6	19	5.7	7.8	9.1	7.9	2.3
Week	27 28	24	3.9	5.1 4.7	5.9	5.0	1.3 3.4	23	6.3	8.6	9.3	8.4	3.4
	29	26 23	3.9 4.5	5.0	6.6	6.1 5.3	1.4	25	6.9	7.9 7.0	12.0 9.1	10.0 7.7	5.8
	30	16	4.8	5.5	6.7	9.3	11.3	18	6.4	6.8	8.0	8.2	4.0
	31	18	4.1	4.7	6.0	5.0	1.1	23	6.3	7.7	8.8	7.7	2.1
	32	18 24	5.4 4.5	6.3 5.5	7.0 6.9	8.3 7.6	8.3 6.5	16 17	5.6 5.8	6.9	9.2 7.6	9.2	6.9 10.1
	34	20	4.5	5.5	5.6	5.6	1.9	17	6.1	7.7	10.2	8.3	3.0
	35	26	4.6	5.5	6.5	5.8	1.8	25	5.1	6.0	6.4	6.2	1.5
	36	26	4.5	5.3	6.6	5.9	2.3	24	5.2	6.0	7.3	6.5	1.9
	37 38	24 19	5.2 4.8	5.4 5.4	7.1 6.4	6.0 5.9	1.4 1.6	27 21	5.5 4.8	6.7 6.1	8.2 7.4	7.1 6.4	2.0 1.8
	39	22	4.8	5.4	7.1	7.9	9.3	19	5.8	6.8	10.0	9.8	9.5
	40	18	5.0	5.8	7.3	6.1	1.5	22	4.9	6.0	8.3	6.9	2.9
	41	25	5.3	6.1	7.3	6.3	1.3	20	5.7	6.5	8.3	7.6	3.2
	42	23	5.3 5.3	6.1 6.0	6.6 7.8	6.4 7.6	2.3 5.5	23 26	6.6 5.8	7.1 6.7	8.0 7.7	7.1 7.8	1.4 4.6
	43	18	4.8	5.6	6.2	6.7	3.2	19	6.3	7.1	7.7	9.2	9.9
	45	21	5.4	5.8	6.5	6.0	1.0	21	5.6	6.3	7.3	9.2	10.5
	46	21	4.8	6.0	6.6	5.7	1.2	21	6.0	7.1	8.5	7.3	2.0
	47 48	20 29	4.8	5.3 5.5	6.2	5.5 5.6	1.2 1.4	25 31	5.9 6.5	7.2 7.5	8.0 8.6	7.3 7.8	2.1
	49	29	4.6	4.8	5.9	5.1	1.4	18	6.2	7.0	8.7	7.4	1.8
	50	29	4.1	4.5	6.3	8.0	11.0	28	6.1	7.4	8.4	7.4	2.0
	51	14	5.1	6.0	7.4	6.5	2.0	16	6.5	8.6	15.0	10.7	5.5
	52	21	3.8	4.3	4.8	7.5	9.9	16	6.8	7.2	10.1	8.4	2.8
Ш	53	11	3.7	4.3	4.7	4.3	0.8	10	6.8	7.2	10.4	10.9	9.8

L	15		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	.)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	492	2.3	2.8	3.7	8.9	15.8 4.6	566	2.9	3.3	4.1	6.9	12.9 7.2
	Jan Feb	118 24	2.2	2.5	3.1 2.9	3.7 2.8	1.8	128 34	2.8	3.2	3.8 4.1	4.4 5.5	9.3
	Mar	120	2.3	2.5	2.9	3.9	8.8	122	2.6	3.0	3.4	4.1	7.2
	Apr	22	2.4	2.7	2.9	7.2	15.5	28	2.9	3.3	3.8	4.6	6.5
۷	May	20	3.1	3.5	27.7	14.5	16.9	29	3.1	3.4	4.2	11.8	18.3
Month	Jun	12	3.6	6.1	27.5	17.5	20.1 11.8	17	3.4	3.9	5.1	9.5 10.3	14.2 19.2
Σ	Jul Aug	16 16	2.4	3.0 6.7	4.3 37.9	8.2 19.9	19.1	20	3.1 2.7	3.6 3.4	4.7 4.4	14.5	23.0
	Sep	30	2.7	3.5	37.7	20.2	24.8	27	2.9	3.2	4.3	8.6	16.2
	Oct	29	2.8	3.7	11.3	15.0	20.8	33	2.9	3.3	12.8	14.4	20.6
	Nov	40	2.7	3.8	40.4	20.6	24.0	58	3.3	3.9	4.5	9.2	15.8
Н	Dec	45	2.4	3.0	4.4	9.3	16.6	50	2.9	3.4	3.8	5.2	8.0
	1 2	14 27	2.4	3.0 2.8	3.6 3.3	5.0 4.3	7.2 4.0	16 26	2.8	3.3 3.5	3.8 4.1	3.4 4.5	0.9 4.3
	3	25	2.1	2.5	2.8	4.0	6.8	34	3.1	3.4	4.1	4.9	7.7
	4	31	2.1	2.3	2.5	2.4	0.6	29	2.6	3.0	3.3	3.1	0.8
	5	24	2.1	2.7	3.5	3.2	2.2	28	2.6	3.2	3.5	5.6	11.8
	6	20	2.2	2.3	2.9	2.9	1.9	20	2.9	3.2	4.0	3.4	0.7
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	1	2.4	2.4	2.4	2.4	0.0	12	2.9	3.6	9.5	13.8	20.2
	10	31	2.4	2.6	3.0	3.4	4.4	23	2.7	2.9	3.2	5.7	11.5
	11	26	2.2	2.8	2.9	5.4	12.9	36	2.6	3.1	3.5	3.2	0.8
	12	26	2.1	2.5	3.0	5.1	12.7	25	2.8	3.2	4.3	3.6	1.3
	13	31	2.0	2.5	2.7	2.6	0.8	29	2.4	2.8	3.3	2.9	0.6
	14 15	23 3	2.3 3.2	2.5 3.8	2.8 36.7	4.0 25.3	7.3 31.3	25 6	2.6 3.5	3.0 3.7	3.6 5.1	4.4	6.9 1.0
	16	2	2.8	3.0	3.1	3.0	0.3	3	3.4	3.4	3.8	3.6	0.3
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	1	2.5	2.5	2.5	2.5	0.0	6	3.4	3.5	3.5	3.4	0.1
	19	5	3.5	3.7	29.7	14.4	13.6	6	2.8	3.5	29.8	17.7	21.2
	20	6	3.0	14.5	33.7	21.9	21.7	6	3.3	3.6	25.5	17.1	20.7
	21 22	3 5	3.0	3.7 3.5	15.3 3.6	11.0 10.3	11.3 13.8	6 5	2.9 3.3	3.1 4.2	3.3 15.7	3.4 18.5	0.9 24.5
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	4	5.0	6.1	14.4	13.2	13.7	3	26.9	46.5	48.2	34.6	19.3
	25	4	3.4	3.6	9.0	8.8	9.4	10	3.4	3.7	4.2	3.9	0.6
ak	26	4	10.9	24.4	44.0	30.4	26.0	4	3.0	3.3	5.0	4.7	2.7
Week	27 28	6	3.0 2.3	3.0 2.8	3.0 6.3	3.0 6.2	0.0 6.5	6 4	3.3 2.9	3.6 3.2	4.5 3.7	3.8	0.8
	29	7	2.5	2.0	3.1	9.0	15.2	6	3.0	3.9	50.6	24.8	30.4
	30	0	-	-	-	-	-	1	3.3	3.3	3.3	3.3	0.0
	31	3	14.3	25.3	34.2	23.9	16.3	4	3.8	4.0	5.6	5.4	2.6
	32	4	4.1	21.1	40.6	23.6	20.5	2	2.7	2.7	2.7	2.7	0.0
	33	4	2.4	2.8	10.0	9.6	12.0	3	32.3	61.2	64.5	44.1	28.9
	34 35	5 2	2.6 12.4	8.7 21.4	35.5 30.3	20.0	19.6 17.9	8 6	2.9	3.4	4.4 3.4	11.2 9.8	20.7 15.2
	36	13	2.4	3.7	28.9	18.4	21.8	10	3.1	3.2	3.5	10.1	18.1
	37	3	16.5	30.4	51.1	34.9	28.4	6	3.1	4.2	5.6	14.4	23.5
	38	8	2.9	3.3	52.9	25.6	30.0	5	2.9	3.1	3.3	3.1	0.4
	39	4	2.7	5.4	16.0	13.3	15.7	4	3.1	3.5	5.8	5.3	3.5
	40	7	2.6	3.2	3.3	3.7	2.1	6	3.0	4.4	11.0	6.9	5.0
	41 42	9	2.1 3.4	2.8 3.6	50.2 3.6	19.7 3.5	24.1 0.2	4 16	2.9 2.8	3.1	19.3 3.9	19.1 10.6	27.8 16.3
	43	8	3.9	8.0	33.6	20.5	22.4	6	5.4	8.3	30.7	22.4	24.6
	44	5	2.9	4.0	4.2	13.5	19.9	5	3.2	3.7	3.8	14.1	21.4
	45	9	2.9	3.9	56.8	24.9	26.3	9	3.2	4.0	4.9	16.0	24.0
	46	9	3.0	4.9	57.6	29.2	29.3	13	3.2	3.9	4.3	3.9	0.8
	47 48	9	3.0 2.4	29.8	39.5	23.3	19.3	13	3.3	4.0	10.3 4.4	15.1	19.9
	48 49	12 10	2.4	3.5	4.5 12.5	10.3 13.2	16.3 18.5	21 9	3.3 2.8	3.8	3.4	6.4 3.3	11.4 0.6
	50	16	2.3	2.7	3.4	7.2	16.5	17	3.3	3.6	3.8	8.1	13.0
	51	6	2.7	3.2	4.3	9.9	14.9	9	2.9	3.0	3.5	4.4	3.4
	52	10	2.9	3.2	8.3	10.5	16.9	8	3.1	3.5	3.8	3.7	0.9
	53	3	2.3	2.3	2.5	2.4	0.2	7	3.0	3.5	3.7	3.4	0.7

L	16		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Jnit	Pd.			ravel Tir			ır)		1		me Estim		·)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	506 67	3.6	4.3 3.8	5.6 4.9	7.0 4.9	7.3 3.8	592 87	4.8 5.3	6.0	7.3 7.7	7.3 7.6	5.0 4.4
	Feb	12	3.4	3.6	8.0	9.5	11.0	24	6.0	6.7	7.2	8.2	6.7
	Mar	18	4.2	6.6	24.2	14.2	11.4	25	5.2	6.1	6.7	6.3	1.9
	Apr	4	7.8	18.5	29.6	18.8	12.9	7	5.9	7.2	8.5	7.3	2.1
ŧ	May Jun	34 44	4.2 3.4	6.1 4.0	22.4 4.7	11.9 5.4	10.5 5.9	41 55	5.1 4.7	6.0	6.8 7.4	6.2 7.9	2.9 6.6
Month	Jul	55	3.3	4.1	4.7	6.1	6.6	63	5.1	6.5	7.6	7.5	4.3
	Aug	70	3.7	4.4	5.3	6.2	6.3	69	4.4	5.4	7.3	7.0	4.5
	Sep Oct	67 57	3.8	4.3	5.8 6.6	6.1 7.4	5.3 6.6	64 60	4.5 4.5	5.4 5.2	6.6 6.2	6.4 7.3	3.6 6.1
	Nov	37	4.1	4.7	5.2	6.9	7.1	48	5.1	6.0	7.7	7.8	6.3
	Dec	41	3.3	3.8	4.8	6.0	6.4	49	5.3	6.3	7.3	7.7	5.0
	2	10 18	4.3 3.6	5.2 4.0	6.0 4.6	6.9 4.9	5.6 2.7	12 17	5.7 5.5	6.8	7.6 9.3	7.3 8.3	3.3 4.5
	3	13	3.2	3.6	3.8	3.7	1.0	29	6.2	7.2	9.2	7.8	2.6
	4	15	3.3	3.4	4.2	5.1	5.3	14	4.7	5.9	6.3	5.6	1.1
	5	14	3.0	3.8	5.7	6.3	8.1	19	5.2	5.9	7.1	8.4	7.0 1.4
	6 7	7	3.4	3.5	11.0	9.2	9.5	14 3	5.8 5.4	6.7	7.1 6.8	6.8	1.4
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	4.1	4.3	4.4	4.3	0.3	4	6.9	9.9	19.3	16.4	13.6
	10	10 4	3.9 4.6	4.5 13.7	15.1 24.9	9.5 15.9	8.5 12.0	7	5.4 5.7	5.7 6.3	6.2 6.7	5.8 6.0	0.5 1.1
	12	3	17.6	28.8	30.1	22.2	11.2	4	5.7	6.5	7.5	6.7	1.7
	13	1	30.4	30.4	30.4	30.4	0.0	3	5.0	5.2	5.5	5.3	0.4
	14	2	9.5	15.6	21.7	15.6	12.2	5	5.4	7.3	10.3	7.8	2.5
	15 16	1	34.8	34.8	34.8	34.8	0.0	3	5.1 9.7	5.9 9.7	6.5 9.7	5.8 9.7	0.0
	17	0	-	-	-	-	-	1	5.9	5.9	5.9	5.9	0.0
	18	5	9.2	20.8	24.2	17.9	10.4	5	5.8	6.4	6.8	6.2	0.7
	19 20	5 10	3.7 4.9	3.8 7.8	21.5 23.9	13.4 13.1	12.7 9.4	6 11	4.6 5.8	5.3 6.6	6.2 6.8	5.6 6.1	1.5
	21	8	4.3	5.8	6.4	5.4	1.1	13	4.4	5.3	6.5	5.6	1.2
	22	7	4.2	4.9	17.2	12.1	11.7	6	5.5	6.0	6.4	8.5	6.6
	23 24	0 12	3.3	4.0	5.4	5.7	5.0	6 16	5.6 4.5	6.4	6.7 8.5	7.0 10.1	2.3
	25	18	3.8	3.9	4.8	6.1	8.0	21	4.4	5.9	6.9	7.0	4.4
¥	26	9	4.2	4.4	4.5	4.6	1.4	10	5.0	6.2	6.9	6.3	2.0
Week	27	18	3.2	3.7	4.4	5.1	5.8	17	5.7	6.7	7.4	7.0	2.5
	28 29	9 19	3.4	3.7 4.2	4.4	4.5 7.1	2.5 8.0	14 15	6.2 5.1	7.3 5.8	10.1 6.5	9.0 5.8	5.1 1.3
	30	9	3.8	4.1	4.2	3.9	0.5	10	5.4	6.6	9.3	9.1	6.6
	31	15	3.4	4.2	5.2	6.2	5.6	15	5.2	6.5	7.1	7.2	3.6
	32	8 18	4.6 3.6	5.2 4.1	5.7 5.0	5.0 5.9	1.1 7.2	13 12	4.6 5.2	4.8 6.0	6.8 10.5	6.4 8.4	3.9 5.2
	34	15	3.8	4.4	6.3	7.6	8.0	14	4.2	5.3	8.9	8.5	6.6
	35	19	3.7	4.6	5.9	7.0	6.4	24	4.2	5.2	6.0	6.0	2.6
	36 37	18 15	3.9	4.3	7.9 4.5	6.6 6.1	4.6 6.6	18 21	4.2	5.0 5.4	6.1 6.2	5.4 6.5	1.8 3.5
	38	14	3.9	4.1	6.5	5.8	3.6	11	4.8	5.4	5.8	7.0	5.4
	39	16	3.4	4.0	5.0	4.8	2.7	13	4.3	6.8	10.5	7.5	3.4
	40	15	4.1	4.7	5.8	6.4	5.9	8	4.9	5.7	5.9	6.2	2.7
	41 42	14 14	3.9 4.5	4.7	6.7 6.5	7.5 7.2	6.2 6.2	13 15	4.4	5.6 5.2	10.6 7.0	8.0 6.9	5.8 4.4
	43	10	4.0	7.8	23.8	12.7	9.9	16	4.3	4.7	5.6	7.3	8.0
	44	8	3.9	4.3	5.3	4.8	1.6	11	4.5	4.8	6.0	7.0	6.1
	45 46	6 12	4.5 3.9	5.0 4.3	5.0 5.0	7.4 6.9	6.1 8.4	9	4.2 5.6	5.0 7.8	5.6 8.1	4.9 7.6	3.0
	47	6	5.2	5.5	6.9	8.9	7.4	10	7.1	7.8	18.6	13.9	11.2
	48	13	3.9	4.5	4.8	5.8	5.6	16	5.3	6.0	6.5	6.1	1.1
	49 50	14	4.1 3.4	4.8 3.7	6.0 4.4	8.0	7.5 7.8	15 13	5.2 5.5	6.6	7.0	6.2	1.4 6.3
	51	10 4	3.4	4.0	4.4	6.3 3.8	0.4	11	4.4	6.2 5.3	7.3 7.0	8.5 5.9	2.0
	52	7	3.0	3.7	3.8	3.5	0.5	7	6.2	6.8	18.2	12.3	7.9
	53	6	3.2	3.2	3.3	5.5	5.3	3	6.3	6.5	6.8	6.6	0.5

L	17		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	147	2.5	3.2	5.5	10.6	17.9 14.5	148	3.1	4.2	5.8	10.0	15.4 16.9
	Jan Feb	48 2	2.5 2.5	3.2 2.5	4.9 2.6	8.5 2.5	0.0	48 8	3.1	4.0 4.6	5.4 5.0	10.4 4.8	1.7
	Mar	28	2.8	3.4	5.1	13.3	21.2	28	3.5	4.4	6.6	12.5	17.4
	Apr	1	3.1	3.1	3.1	3.1	0.0	2	5.8	5.8	5.8	5.8	0.0
ا ۔ ا	May	4	3.3	4.5	15.9	14.7	18.6	8	3.0	4.0	7.9	11.3	15.8
Month	Jun	7	2.8	3.2	3.4	3.1	0.6	6	5.5	6.3	12.4	14.9	16.9
Σ	Jul Aug	17 18	2.2	2.7 3.1	5.8 4.9	9.3	20.9 15.7	12 16	3.1 2.9	3.3	4.4 5.3	3.9 11.9	1.5
	Sep	10	3.0	4.3	11.4	13.9	18.3	9	3.1	3.3	7.0	7.1	6.4
	Oct	11	2.6	2.8	28.7	17.5	23.5	8	3.1	4.4	17.4	12.1	12.9
	Nov	1	3.7	3.7	3.7	3.7	0.0	2	2.1	2.2	2.4	2.2	0.3
	Dec	0	-	-	-	-	-	1	3.2	3.2	3.2	3.2	0.0
	1	4	4.4	23.3	45.9	27.0	23.6	2	4.8	4.8	4.9	4.8	0.2
	3	11 11	2.4 2.5	3.0	8.6 7.0	5.5 11.1	4.4 18.9	12 14	3.0	3.6 3.8	6.1 4.8	9.2 4.8	13.5 2.5
	4	14	2.4	2.6	3.7	6.0	11.5	10	3.7	5.5	29.3	21.2	24.5
	5	8	2.8	3.3	3.5	4.1	2.6	13	2.9	4.3	4.9	8.8	17.1
	6	0	-	-	-	-	-	4	3.6	4.3	6.0	5.3	2.2
	7	1	2.5	2.5	2.5	2.5	0.0	1	3.4	3.4	3.4	3.4	0.0
	8	0	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	10	5	3.5	3.8	3.9	16.2	26.0	6	4.4	4.5	41.4	21.5	24.6
	11	12	2.4	3.3	8.2	10.9	15.3	8	3.7	4.7	6.6	7.3	6.9
	12	5	3.2	3.2	3.8	16.7	27.0	5	3.5	4.4	29.2	14.1	12.8
	13	5	2.8	4.8	5.9	15.1	22.1	7	3.7	4.5	5.4	12.2	19.8
	14	2	3.1	3.1	3.1	3.1	0.0	4	3.2	4.5	5.8	4.4	1.3
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0		_	-	-	
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	1	4.2	4.2	4.2	4.2	0.0
	20	1	3.2	3.2	3.2	3.2	0.0	1	3.8	3.8	3.8	3.8	0.0
	21 22	3 0	4.5	5.6	26.2	18.6	20.0	2	2.8 15.1	3.6 27.1	7.9 39.1	7.0	6.4
	23	0	-	-	-	-	-	0	-	-	39.1	27.1	24.0
	24	3	2.8	3.2	3.2	3.0	0.4	4	5.5	9.9	23.7	19.3	19.3
	25	3	2.9	3.4	3.8	3.3	0.8	0	-	-	-	-	-
χ	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	3	1.9	2.1	2.6	2.3	0.6	4	4.7	5.2	5.9	5.4	1.0
	28 29	<u>4</u> 6	2.4 3.0	2.5 5.6	2.6 6.0	2.4 15.4	0.3 25.1	3	2.9 3.5	3.2	3.2 4.7	3.0 4.3	0.3 1.2
	30	2	18.7	34.1	49.5	34.1	30.8	1	2.7	2.7	2.7	2.7	0.0
	31	6	2.3	2.9	3.9	3.8	2.3	5	3.2	4.7	5.3	4.6	1.9
	32	3	2.9	4.2	9.2	6.7	5.4	3	2.9	2.9	3.0	3.0	0.1
	33	5	2.3	2.7	2.9	2.8	0.9	2	2.6	2.7	2.7	2.7	0.2
	34 35	3	4.5 2.8	18.3 3.3	40.3 8.3	26.6 6.3	26.0 5.0	<u>4</u> 5	4.2 2.6	4.8 3.0	15.7 26.6	15.1 21.1	18.3 26.6
	36	7	2.7	8.4	25.8	18.1	20.5	3	3.2	3.3	9.4	7.3	5.8
	37	1	4.3	4.3	4.3	4.3	0.0	3	2.8	3.1	3.9	3.4	0.9
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	2	3.9	4.0	4.1	4.0	0.2	3	5.1	7.0	14.3	10.6	7.9
	40 41	3	2.7	2.7	2.7	3.0	0.0 1.1	3	7.7 3.3	12.3 3.8	16.9 4.4	12.3	9.2
	41	2	53.9	56.2	3.6 58.5	56.2	4.6	1	3.3 41.4	3.8 41.4	4.4	3.9 41.4	0.9
	43	2	2.5	2.5	2.5	2.5	0.0	0	-	-	-	-	-
	44	2	18.1	30.3	42.5	30.3	24.4	2	6.4	9.6	12.8	9.6	6.4
	45	0	-	-	-	-	-	1	2.0	2.0	2.0	2.0	0.0
	46	1	3.7	3.7	3.7	3.7	0.0	0	-	-	-	-	-
	47 48	0	-	-	-	-	-	0	2.5	2.5	2.5	2.5	0.0
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52	0	-	-	-	-	-	1	3.2	3.2	3.2	3.2	0.0
	53	0	-	i	-	-		0	-				

L	18		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Juit	Pd.			ravel Tin			ır)		1			ate (hour	.)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	- 1	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	206 80	1.9	2.2	2.6	2.7	2.5 2.5	240 85	2.8	3.3	4.3	4.3	3.3 2.7
	Jan Feb	7	1.7	2.1 1.6	2.3	2.5 1.8	0.4	7	3.7	3.3	4.3	4.0	1.8
	Mar	0	-	-	-	-	-	4	3.3	3.6	8.7	8.5	8.6
	Apr	2	6.8	10.9	15.0	10.9	8.2	4	4.9	7.9	10.4	7.4	3.2
ے	May	11	2.3	2.8	3.2	2.8	0.5	17	2.7	2.8	3.2	3.6	2.6
Month	Jun Jul	17 24	2.0	2.3	2.7	2.4	0.4 2.1	20 32	3.1 2.9	3.8	4.5 5.2	4.9 4.6	3.9 2.7
2	Aug	27	1.8	2.2	2.5	3.0	3.3	22	2.7	3.0	3.5	3.3	1.0
	Sep	18	2.2	2.3	2.9	2.7	0.9	30	2.7	3.3	4.3	4.4	3.1
	Oct	18	2.1	2.7	3.0	3.2	2.1	11	2.7	3.3	5.7	6.3	6.4
	Nov	1	2.4	2.4	2.4	2.4	0.0	5	3.2	3.2	3.3	3.1	0.5
	Dec 1	2	2.2	2.2	2.2	2.2	0.0	0	3.6	3.8	4.6	4.2	0.9
	2	17	1.8	2.1	2.3	2.4	1.5	14	2.8	3.3	5.8	5.9	5.5
	3	18	1.6	1.9	2.2	3.1	4.8	26	3.4	4.2	4.7	4.3	1.6
	4	29	1.7	2.1	2.2	2.0	0.4	29	2.8	3.2	3.5	3.2	0.8
	5 6	19 0	1.6	2.2	2.9	2.4	1.0	20 1	2.7 3.7	3.1	3.9 3.7	3.5 3.7	1.4 0.0
	7	1	2.2	2.2	2.2	2.2	0.0	2	3.6	3.7	3.9	3.7	0.0
	8	1	2.4	2.4	2.4	2.4	0.0	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	2	3.4	3.5	3.7	3.5	0.3
	12	0	-	-	-	-	-	2	8.4	13.4	18.4	13.4	10.0
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16 17	0	6.8	10.9	15.0	10.9	8.2	0	4.3	5.5	8.2	6.5	3.2
	18	0	-	-		-	-	1	10.3	10.3	10.3	10.3	0.0
	19	0	-	-	-	-	-	2	2.9	3.0	3.1	3.0	0.2
	20	2	2.9	3.1	3.2	3.1	0.3	3	2.8	2.9	3.1	3.0	0.3
	21	3	2.6	3.2	3.2	2.8	0.5	4	2.7	2.9	5.7	5.5	4.8
	22	6	2.3	2.5	3.0	2.7	0.6	8	2.4	2.8 3.2	3.1 3.6	3.0	0.9
	24	6	2.0	2.4	2.7	2.4	0.4	5	2.8	4.5	5.8	4.9	2.1
	25	6	2.4	2.5	2.9	2.6	0.4	7	3.1	3.7	4.2	5.9	6.1
용	26	1	2.5	2.5	2.5	2.5	0.0	4	4.2	4.4	4.9	4.8	1.0
Week	27 28	6 4	1.6 2.0	1.8 2.1	2.1	1.8	0.2	7 5	3.1	3.7	4.3 3.8	3.6	1.0 0.6
	29	9	1.9	2.2	2.5	3.3	3.2	11	3.0	4.2	6.8	5.3	2.8
	30	4	2.2	2.5	2.7	2.5	0.4	3	4.2	4.5	5.1	4.8	0.7
	31	12	2.1	2.3	2.4	2.4	0.6	10	2.9	3.2	3.6	4.5	3.7
	32	8	2.0 1.8	2.6	4.5 2.4	3.5 2.3	2.1 0.8	3	2.6	3.2	2.7 3.4	2.7 3.1	0.1
	34	3	1.7	1.8	2.0	1.8	0.8	4	2.8	3.3	4.1	3.7	1.1
	35	6	2.3	2.5	3.3	5.3	6.1	10	2.7	3.0	3.5	3.3	1.1
	36	8	2.1	2.2	2.4	2.3	0.4	6	3.3	3.6	4.4	4.7	2.6
	37 38	2	2.3	3.0	3.8	3.1	0.9	9	2.6	2.7 3.5	3.3 5.0	2.8 4.1	0.4 1.9
	38	4	2.9	2.5	3.7	2.7	1.0	10	2.6	3.5	6.4	4.1	2.5
	40	7	2.9	3.0	5.6	4.6	2.8	2	6.9	10.1	13.3	10.1	6.3
	41	3	2.0	2.3	2.5	2.3	0.4	5	2.4	2.7	3.3	6.7	8.0
	42	2	2.1	2.3	2.4	2.3	0.3	2	6.3	9.4	12.5	9.4	6.2
	43	3	1.9 2.4	1.9 2.9	3.0	2.2	0.4	2	3.6	3.6 5.1	3.6 6.4	3.6 5.1	0.0 2.5
	45	1	2.4	2.4	2.4	2.4	0.0	4	3.0	3.2	3.2	3.0	0.5
	46	0	-	-	-	-	-	0	-	-	-	-	-
	47	0	-	-	-	-	-	0	- 0.7	-	-	- 0.7	-
	48 49	0	-	-	-	-	-	1	3.7 5.4	3.7 5.4	3.7 5.4	3.7 5.4	0.0
	50	1	2.2	2.2	2.2	2.2	0.0	1	3.8	3.8	3.8	3.8	0.0
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
Ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	19								Upstream Direction						
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	r)		
me	Time I	Count	F	Percentile			Std.	Count		Percentil		1	Std.		
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.		
Υ	2013	889 119	1.3	1.7	4.3 3.1	3.2	3.0	1075 119	1.7	2.2	3.9 4.2	3.3	2.6		
	Jan Feb	66	1.3	1.5	3.4	2.8	2.7	88	1.8	2.2	3.4	3.4	2.7		
	Mar	56	1.5	1.8	5.7	3.9	3.5	73	2.0	2.6	4.9	4.2	3.3		
	Apr	43	1.5	1.9	6.1	3.7	2.9	56	2.0	2.6	4.5	3.6	2.3		
ч	May	64	1.5	2.1	5.6	4.1	3.6	80	1.7	2.1	3.5	3.0	2.0		
Month	Jun Jul	78 78	1.4	1.7	3.8 4.2	3.3	3.1 2.8	89 105	1.6 1.8	2.0	4.0	3.3 3.4	2.7		
2	Aug	88	1.4	1.8	4.2	3.2	2.8	94	1.6	1.9	3.8	3.3	2.8		
	Sep	73	1.4	1.9	3.7	3.2	2.9	94	1.6	1.9	3.5	2.7	1.8		
	Oct	74	1.4	1.9	5.4	3.8	3.4	75	1.6	1.9	3.3	2.9	2.4		
	Nov	70	1.3	1.8	3.8	3.1	2.7	98	1.7	2.3	3.8	3.1	2.1		
	Dec 1	80 15	1.2	1.4	2.3	2.3	2.3	104 19	1.7	2.1	3.2 4.1	3.1 3.1	2.4		
	2	28	1.4	1.7	5.8	4.1	4.2	22	1.7	2.0	2.6	2.7	1.7		
	3	28	1.2	1.4	4.6	3.3	3.4	28	2.0	2.4	3.0	3.3	2.8		
	4	28	1.3	1.6	2.2	2.2	1.4	29	1.7	2.1	5.2	3.6	3.0		
	5	25	1.2	1.6	2.1	2.4	2.2	31	1.8	2.2	5.2	3.8	3.1		
	6	16	1.2	1.3	2.1	2.5	2.3	24	1.9	2.2	4.1	3.7	3.3		
	7 8	20 12	1.4	1.7	4.5 1.9	3.8	3.7 1.7	19 21	2.0 1.7	2.6	5.0 2.4	4.4 2.3	3.7 1.0		
	9	16	1.3	1.8	5.3	3.8	3.5	20	1.9	2.5	4.2	3.3	1.8		
	10	19	1.5	1.6	4.2	3.2	2.8	14	2.2	2.5	4.6	4.6	4.0		
	11	12	1.5	2.0	5.7	3.9	3.7	25	1.8	2.3	4.7	3.7	2.7		
	12	12	1.4	1.8	4.1	2.7	1.7	13	2.6	3.6	7.3	5.1	3.3		
	13 14	9	1.7	5.4	6.8	5.8	4.0	12	2.0	2.9	6.2	4.8	3.7 1.7		
	15	8 12	1.4	1.7 3.3	3.1 6.0	3.0 4.1	2.6 2.9	13 9	2.0 1.9	2.7 3.4	4.5 5.3	3.3 3.7	1.7		
	16	6	1.3	1.3	1.7	2.5	2.6	14	2.1	2.8	4.3	3.8	2.8		
	17	11	1.5	2.1	4.2	3.8	3.0	17	2.1	2.4	3.6	3.6	2.6		
	18	14	1.4	3.5	6.4	4.6	3.6	21	1.9	2.6	4.4	3.3	1.9		
	19	14	1.4	2.2	7.9	4.4	3.9	11	1.7	1.9	3.0	2.5	1.0		
	20	13 14	1.2 2.4	1.7 4.5	2.0 8.2	2.5 6.0	1.9 4.3	18 15	1.7	1.9 2.8	4.0 3.5	3.3 2.9	2.7 1.2		
	22	18	1.6	2.4	4.7	3.2	1.9	23	1.7	1.8	2.2	2.5	1.8		
	23	11	1.7	1.8	2.8	2.5	1.4	23	1.7	1.9	5.0	3.5	2.8		
	24	22	1.3	1.6	5.5	3.7	3.7	28	1.6	2.0	4.1	3.3	2.8		
	25	20	1.3	1.6	2.3	2.8	2.9	18	1.5	2.3	4.0	3.7	3.1		
ě	26	14	1.6	3.7	7.4	4.7	3.4	14	1.6	2.1	2.3 4.3	2.3	0.9		
Week	27 28	24 17	1.0	1.5	2.9 4.0	2.7	2.5	21 25	1.8 2.1	2.2	5.3	3.2 3.8	2.0		
	29	15	1.4	1.8	4.3	3.2	2.8	27	1.8	2.0	3.2	3.5	3.3		
	30	18	2.0	3.2	5.5	4.1	2.7	22	2.0	2.2	4.1	3.8	3.2		
	31	23	1.3	2.3	5.6	3.8	3.2	22	1.9	2.5	4.0	3.0	1.8		
	32	15	2.0	2.8	6.3	4.5	3.4	23	1.6	1.8	4.3	3.4	2.8		
	33 34	22 19	1.4	1.7	2.0	2.9	3.2 1.2	16 27	1.7	1.9 2.4	3.4	3.1 3.7	2.5 3.4		
	35	22	1.4	1.8	5.0	2.9	2.2	20	1.6	1.9	2.6	2.8	2.4		
	36	17	1.3	1.5	2.1	2.2	1.7	19	1.6	2.3	3.6	2.9	1.7		
	37	16	1.9	2.3	3.6	3.3	2.4	23	1.6	2.0	2.8	2.4	1.1		
	38	20	1.5	2.1	4.4	3.5	2.8	25	1.5	1.7	2.0	2.5	1.7		
	39 40	17 17	1.6 1.5	1.9	3.3 4.8	3.8	4.2 2.8	21 15	1.5 1.6	1.9	4.7 2.1	3.2 2.0	2.7 0.8		
	41	19	1.4	1.9	3.4	3.4	3.4	14	1.7	1.9	3.1	3.3	3.0		
	42	14	1.4	1.8	2.5	3.1	3.5	18	1.6	1.8	2.1	2.0	0.9		
	43	14	1.7	3.6	6.6	4.9	4.0	20	1.7	2.0	3.4	3.2	2.5		
	44	13	1.5	2.8	5.5	3.9	2.9	16	1.8	2.9	4.5	3.9	2.6		
	45 46	15 15	1.6	2.1 1.9	5.0 3.5	3.3	2.2 4.1	19 20	1.8 2.3	2.2	3.0 4.3	2.7 3.8	1.4 2.3		
	46	20	1.4	1.8	3.5	2.5	1.7	20	1.5	2.9	3.9	3.8	2.3		
	48	20	1.3	1.7	4.1	2.9	2.3	28	1.7	2.0	3.5	2.9	1.6		
	49	20	1.3	1.6	2.2	2.2	1.5	20	1.8	2.3	3.9	3.2	2.1		
	50	19	1.2	1.4	1.7	1.7	8.0	25	1.7	1.9	2.5	2.9	2.1		
	51	18	1.4	2.5	4.0	3.5	3.1	33	1.7	1.8	2.5	3.0	2.7		
	52 53	12 11	1.0	1.1	1.2	2.5 1.7	3.2 1.5	17 9	2.1 1.7	2.8 1.8	5.4 2.3	4.0 2.0	2.5 0.6		
ш	JJ	1.1	1.1	1.2	1.4	1.7	1.3	9	1.7	1.0	۷.۵	∠.∪	0.0		

L	20								Upstream Direction						
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		Travel Time Estimate (hour)						
me	Time F	Count	Percentile		t t	Std.	Count	ı	Percentil	е					
-			25th	50th	75th	Avg.	Dev.		25th	50th			Dev.		
Υ	2013	1165 141	1.3	1.7	4.1 2.1	3.1 2.3	2.7	1290 140	1.7	2.2 1.9			2.4 1.9		
	Jan Feb	93	1.1	1.5	5.1	3.3	2.9	112	1.6	2.3			2.3		
	Mar	86	1.3	3.5	6.0	3.8	2.6	101	1.8	3.0			3.1		
	Apr	70	1.5	2.7	5.0	3.9	3.2	78	1.9	2.3	4.0	3.3	2.1		
ے	May	80	1.3	1.9	4.2	3.1	2.6	89	1.7	2.1			2.3		
Month	Jun Jul	98 100	1.3	1.8 1.9	3.9 5.3	3.0	2.5 3.8	104 122	1.6 1.7	2.1			2.6		
2	Aug	103	1.3	1.8	4.0	2.9	2.3	110	1.4	2.3			2.5		
	Sep	101	1.3	1.7	3.2	2.8	2.3	117	1.4	1.8			2.1		
	Oct	87	1.4	1.8	3.8	3.0	2.4	91	1.5	2.0	3.2		2.0		
	Nov	90	1.3	1.9	3.7	3.0	2.5	108	1.5	1.8			2.7		
	Dec 1	116 20	1.1	1.4 1.4	3.4 1.8	2.5	2.3 0.4	118 27	1.7	2.3 1.7			2.5 1.6		
	2	34	1.2	1.4	1.8	1.5 2.0	1.8	28	1.5 1.6	2.0			2.0		
	3	34	1.0	1.1	3.1	2.1	1.9	31	1.8	2.2			1.9		
	4	31	1.1	1.4	4.7	3.3	3.5	29	1.4	1.9	2.3	2.5	2.2		
	5	27	1.0	1.4	2.7	2.3	2.1	34	1.6	1.9			2.2		
	6	28	1.0	1.1	2.9	2.6	3.1	31	2.0	2.3			1.9		
	7 8	28 17	1.3	2.7	6.3 4.0	3.9	3.0 2.5	27 27	1.9	2.4			2.7		
	9	19	1.4	4.0	5.5	4.2	2.9	28	1.9	2.3			2.5		
	10	23	1.3	1.8	6.1	3.4	2.6	18	1.7	3.3			3.9		
	11	18	1.3	2.7	5.8	3.6	2.4	29	1.8	2.4	4.3	3.7	2.7		
	12	19	1.4	3.8	5.6	3.9	2.4	19	3.0	4.3			2.7		
	13	18	1.9	3.7	5.4	4.2	2.7	24	1.8	2.1			2.8		
	14 15	16 15	1.3 1.5	1.9 4.2	5.0 6.2	3.3 5.1	2.7 4.3	13 16	1.7 2.4	2.0 3.4			1.5 1.6		
	16	17	1.1	1.3	4.8	3.3	3.3	19	2.0	2.1			2.3		
	17	17	1.6	2.5	4.2	3.4	2.5	25	1.8	2.8			2.5		
	18	18	1.5	3.9	5.1	3.7	1.9	20	1.9	2.1	3.4	2.8	1.5		
	19	18	1.3	2.1	4.4	3.4	2.7	19	1.6	1.9			2.6		
	20	19 18	1.2	1.4 2.7	6.0	2.3 4.2	2.3 3.3	15 18	1.7	2.4 3.0			1.6 2.8		
	22	20	1.7	2.7	3.4	2.6	1.4	25	1.7	1.8			2.0		
	23	21	1.7	2.7	3.7	3.1	2.1	28	1.7	2.1			2.3		
	24	19	1.2	1.6	1.8	1.9	1.0	34	1.6	2.2	4.9	3.6	2.9		
	25	29	1.2	2.3	4.8	3.6	3.2	22	1.5	2.3			2.8		
놓	26	17	1.3	1.6	5.1	3.3	2.7	14	1.7	2.3			1.6		
Week	27 28	25 21	1.2	1.5 1.7	3.8	2.4 3.4	1.8 3.7	25 25	1.7	2.6			2.0		
	29	21	1.4	2.5	7.2	4.8	4.1	32	1.9	3.2			2.5		
	30	22	1.4	3.9	6.2	4.4	3.4	22	1.6	2.1			1.2		
	31	32	1.1	1.5	3.1	3.3	3.8	29	1.8	2.6			1.5		
	32	21	1.9	2.8	4.5	3.6	2.3	27	1.4	2.3			2.7		
	33 34	24 19	1.3	2.3	4.5 4.5	3.0	2.3	20 31	1.8	2.8			3.4 2.0		
	35	26	1.3	1.6	3.0	2.3	1.8	25	1.4	1.9			1.6		
	36	26	1.2	1.3	1.7	1.9	1.8	25	1.5	1.9			2.1		
	37	25	1.7	2.1	4.2	2.9	1.6	30	1.7	2.0			2.1		
	38	24	1.3	2.0	2.8	2.9	2.5	29	1.4	1.7			2.4		
	39 40	20	1.3	2.3 1.6	5.9 2.7	3.7 2.6	3.0 2.1	23 24	1.3	1.7 2.0			1.0 2.0		
	41	19 22	1.3	1.5	4.9	3.1	2.1	19	1.5	1.9			2.4		
	42	21	1.6	2.0	2.8	2.7	1.8	23	1.6	2.1			2.1		
	43	16	1.4	2.0	3.9	3.0	2.3	20	1.6	2.0	2.9	2.7	1.9		
	44	16	1.6	2.5	4.1	3.6	2.9	15	1.6	2.3			1.5		
	45	20	1.6	2.9	4.8	4.1	3.3	23	1.4	1.7			3.2		
	46 47	20 25	1.6	2.1 1.9	3.4	2.6 2.6	1.4 1.7	23 32	1.7	2.0 1.7	2.8 3.1	2.9 3.0	2.2		
	48	24	1.3	1.6	3.4	2.8	2.9	30	1.7	2.0	3.0	2.9	2.5		
	49	22	1.3	1.6	2.6	2.3	1.5	22	1.6	2.3	3.9	3.1	2.1		
	50	26	1.1	1.8	3.9	3.2	3.1	27	1.7	2.5	5.0	4.0	3.3		
	51	31	1.1	1.5	4.0	2.7	2.2	33	1.6	2.4	3.6	3.0	2.0		
	52 53	22 15	1.0	1.1	1.6	2.2 1.6	2.6 1.0	25 11	1.9	2.3	2.8 4.5	3.0	2.2		
ш	JJ	ıΰ	1.0	1.2	1.9	1.0	1.0	- 11	1.0	۷.۷	4.0	3.1	2.1		

L	21		Do	wnstrea	m Direc	tion		Upstream Direction						
Jnit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		Travel Time Estimate (hour)					
Time Unit	ne P	Count	Percentile				Std.	Count	F	Percentil	е		Std.	
	Time	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.	
Υ	2013	1118	2.2	2.7	3.6	6.1	10.8	1334	2.8	3.2	3.9	4.3	6.0	
	Jan	143	1.9	2.4	2.9	2.8	2.1 10.7	146	2.6	3.0	3.5	3.3	2.1	
	Feb Mar	86 79	2.1	2.6 2.8	7.6	5.5 10.5	16.2	113	2.8 3.1	3.4	4.0	3.8 4.1	4.2	
	Apr	52	2.5	3.1	6.3	7.5	9.8	81	3.3	3.5	4.4	4.8	6.0	
l_	May	78	2.6	3.1	6.1	8.2	13.9	94	2.8	3.4	4.1	5.2	6.9	
Month	Jun	88	2.2	2.6	3.4	5.8	9.7	105	2.7	3.2	3.8	4.4	7.0	
Ž	Jul	96 100	2.1	2.5 2.7	3.5 4.1	5.5 6.6	8.9 11.7	122 110	2.8	3.4	4.2 3.8	4.4 5.2	9.0	
	Aug Sep	104	2.3	2.7	4.0	5.9	9.7	120	2.6	3.2	3.9	4.1	5.1	
	Oct	87	2.2	2.7	3.5	5.4	8.6	102	2.7	3.1	4.0	5.6	8.9	
	Nov	94	2.3	3.0	4.4	8.4	14.5	113	2.8	3.2	3.8	3.9	5.9	
	Dec	111	2.1	2.3	3.1	5.0	8.9	124	2.8	3.2	3.8	3.9	4.5	
	2	21 34	2.1	2.5 2.7	2.9	2.5 3.4	0.7	27	2.3	2.7	3.1	2.8	0.6	
	3	36	1.8	2.4	3.1	2.6	3.0 1.2	35 30	2.5 3.1	3.0	3.5 3.9	4.2 3.5	3.9 0.6	
	4	30	1.9	2.2	2.5	2.4	0.8	32	2.5	2.8	3.1	2.9	0.5	
	5	26	2.0	2.5	3.2	3.7	3.4	32	2.7	3.0	3.4	3.3	1.0	
	6	28	1.8	2.0	2.7	6.1	13.2	32	3.1	3.4	3.7	3.4	0.7	
	7	24	2.3	2.6	2.9	3.3	2.7	29	2.6	3.5	4.1	4.5	5.3	
	8 9	19 15	2.3	2.7	3.1	5.8 6.4	10.1	25 25	2.8 3.0	3.2	3.9	3.4	0.9	
	10	26	2.3	2.4	3.3	6.2	10.7	25	3.1	3.8	4.2	5.4	8.2	
	11	21	2.6	3.1	23.8	16.9	20.9	29	3.0	3.5	4.1	3.7	1.0	
	12	10	2.6	4.8	7.8	11.4	16.9	17	3.3	3.7	4.2	3.8	1.0	
	13	13	2.7	3.7	12.2	13.3	16.8	24	3.1	3.5	4.0	3.6	0.8	
	14 15	11 14	2.5	3.4 2.8	10.2 9.1	8.2 6.6	10.0 6.4	16 18	3.4	3.8	5.0 4.5	6.2 5.8	8.7 8.8	
	16	11	2.3	2.4	5.6	5.8	6.5	18	3.3	3.5	4.0	4.5	3.7	
	17	14	2.5	2.8	4.4	9.8	14.0	20	3.1	3.5	3.9	3.7	1.0	
	18	16	2.7	3.4	4.2	7.7	12.5	22	3.3	3.5	3.8	4.5	3.1	
	19	17	2.8	3.3	6.7	4.5	2.3	21	3.2	3.8	4.3	4.1	1.4	
	20	20 16	2.2	2.7 3.0	4.9 3.7	6.1 3.8	7.9 2.2	21 17	2.8 3.1	3.5	4.2 3.6	8.6 3.4	13.0 0.5	
	22	20	2.6	3.1	6.7	14.3	22.3	25	2.7	3.0	3.8	4.4	3.6	
	23	15	2.5	2.9	3.6	3.1	0.8	30	2.7	3.3	3.6	5.8	10.8	
	24	20	2.4	3.0	4.5	8.6	12.4	29	2.7	3.1	3.9	3.3	0.8	
	25	25	2.2	2.4	3.0	5.1	7.5	23	2.7	3.2	4.2	5.0	8.1	
Week	26 27	18 24	2.2	2.5 2.4	3.0 2.9	7.3 2.6	13.7 0.8	18 26	2.6	3.2	3.5	3.1 3.1	0.7	
Š	28	21	2.0	2.4	3.7	6.7	10.2	27	3.0	3.6	4.5	7.0	13.3	
	29	20	2.3	2.5	4.1	5.9	8.5	30	2.9	3.9	4.6	4.2	2.1	
	30	21	2.1	2.7	3.1	5.6	10.0	24	2.7	3.3	3.9	3.4	1.1	
	31	26	1.8 2.7	2.6	3.1	4.8	8.4	28	2.8	3.5	4.7	4.3	3.2 11.2	
	32	16 27	2.4	3.1 2.7	4.0 3.2	6.2 7.9	10.2 14.4	22	2.9	3.1	4.1 3.8	7.2 6.1	12.2	
	34	20	2.2	2.9	7.4	10.9	16.5	29	2.8	3.3	3.9	5.1	8.8	
	35	27	2.1	2.6	3.8	4.0	3.2	26	2.7	3.0	3.2	3.0	0.6	
	36	27	2.4	2.9	3.3	6.4	10.8	24	2.8	3.1	3.4	5.9	10.1	
	37 38	22 27	2.4	2.8	3.3	3.4 6.1	2.0	31 28	3.1 2.4	3.5 2.7	4.1 3.0	4.3 2.8	3.4 0.7	
	39	22	2.3	3.0	9.7	6.5	8.1	28	2.7	3.3	4.1	4.0	2.3	
	40	18	2.5	2.7	3.6	6.9	11.1	29	2.8	3.1	3.8	6.5	11.5	
	41	24	2.2	3.1	4.4	6.1	8.2	21	2.8	3.3	5.3	7.3	10.2	
	42	22	2.1	2.5	2.9	4.3	7.6	24	2.5	2.9	3.4	3.4	1.8	
	43 44	12 18	2.1	2.6 2.9	3.7	6.1 5.7	9.2	20 18	2.7	3.2	3.8 4.0	5.5 3.6	9.5 1.6	
	45	23	2.7	3.0	3.9	10.3	17.5	24	2.8	3.1	3.6	3.2	0.5	
	46	21	2.3	2.7	3.5	7.5	12.3	24	3.0	3.5	3.9	3.6	0.8	
	47	26	2.4	3.0	5.8	10.5	17.2	33	2.9	3.2	3.8	5.2	10.8	
	48	23	2.3	2.8	4.9	5.4	7.7	31	2.7	3.2	3.8	3.3	1.0	
	49 50	24	2.2	2.3	3.1	5.2	10.5	23	2.8	3.2	3.7	3.4	0.8	
	50 51	27 33	2.0	2.3	3.3 2.7	3.4 4.3	2.6 7.5	30 34	2.9	3.3	4.0 3.7	4.2 4.5	3.8 7.6	
	52	16	2.0	2.2	3.0	7.9	12.2	25	2.8	3.3	3.5	3.5	1.0	
	53	11	2.0	2.3	3.1	6.2	11.6	12	2.7	3.0	3.1	3.0	0.6	

L	22	Downstream Direction							Upstream Direction						
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)		
me	Time F	Count	Percentile				Std.	Count		Percentil			Std.		
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.		
Υ	2013 Jan	1536 140	4.1	4.7	5.6 5.4	5.3 5.0	3.1 1.6	1558 142	6.5	8.0 8.2	10.6 10.5	9.4	4.9 5.9		
	Feb	133	4.0	4.5	5.3	4.7	1.3	136	6.8	8.3	11.0	9.9	5.5		
	Mar	140	4.0	4.5	5.2	5.1	3.3	140	6.8	8.6	10.5	10.1	6.4		
	Apr	128 115	4.1 4.5	4.6 5.1	5.6 6.0	5.4 6.4	3.2 5.4	140 121	7.1 6.4	8.4 8.1	11.0 10.0	9.6 9.0	4.5		
th	May Jun	126	4.5	4.8	5.8	6.0	5.6	120	6.7	8.1	10.6	9.6	4.6		
Month	Jul	123	3.8	4.4	5.2	5.3	4.4	141	6.4	8.0	10.4	9.3	4.5		
	Aug	132	4.0	4.9	5.9	5.4	2.4	123	6.2	7.3	9.3	8.6	3.7		
	Sep Oct	125 118	4.6 4.5	5.0 5.3	5.7 6.3	5.2 5.5	1.1 1.4	126 111	5.9 5.9	6.9 7.7	9.4 10.5	8.5 9.0	4.2 5.6		
	Nov	122	4.3	5.0	5.5	5.1	1.3	127	6.3	7.9	10.8	8.9	3.6		
	Dec	134	3.8	4.3	5.1	4.6	1.6	131	7.0	8.7	11.2	9.8	4.3		
	2	20 32	4.0	4.9	5.9	5.3	1.4 2.1	28 32	6.2	7.7 7.7	9.5	9.3 11.0	5.4		
	3	36	3.8	5.0 4.3	5.3 4.8	5.2 4.6	1.5	30	6.6 7.8	9.0	11.5 10.9	10.6	7.0 6.2		
	4	31	4.1	4.6	5.4	4.9	1.2	31	7.0	7.9	9.5	9.3	5.1		
	5	26	4.4	5.1	6.0	5.1	1.2	33	7.5	9.9	12.7	11.5	5.9		
	6 7	31 42	3.6 4.2	4.0 4.6	4.4 5.0	4.2	1.2 0.9	30 39	7.4 6.6	9.6 8.3	12.1 11.3	11.0 10.3	5.0 6.9		
	8	34	4.1	4.9	5.4	5.0	1.5	31	5.7	7.6	10.2	8.4	3.4		
	9	30	4.1	4.9	5.6	5.7	3.5	35	6.7	7.7	9.3	8.4	3.1		
	10	32	3.9	4.5	5.3	4.7	1.2	29	8.3	9.3	11.8	12.8	11.0		
	11 12	30	4.1	4.5 4.3	5.3 4.8	4.9	1.4 1.5	39 27	6.4 7.4	8.3 8.8	9.8 10.4	9.0 8.9	2.4		
	13	33	4.1	4.5	4.9	4.9	1.8	33	6.4	9.1	10.5	10.1	5.4		
	14	27	4.3	4.7	5.7	6.2	5.8	29	8.1	8.7	11.2	9.9	4.4		
	15 16	34 30	4.2 3.9	4.5	5.6 5.1	6.3 4.7	5.4 1.6	39 29	6.8 7.2	7.7	11.0	9.3	4.5 5.1		
	17	30	4.3	4.3	5.1	5.0	1.0	31	6.3	8.9 7.7	10.3 9.8	8.4	3.0		
	18	28	4.2	5.6	6.3	5.9	2.3	28	7.3	8.5	11.7	10.4	5.4		
	19	25	4.2	5.1	5.8	6.8	6.5	27	6.5	7.9	10.0	8.4	2.6		
	20	28	4.2	4.6 5.4	5.1 6.1	6.6 7.0	7.0 6.0	20 29	6.6	8.5 8.6	9.9 11.2	9.9	6.2 4.5		
	22	31	4.6	5.4	5.9	5.4	1.0	34	6.3	7.7	9.4	8.3	3.1		
	23	26	4.7	5.3	6.2	5.4	0.9	31	7.0	8.2	9.8	9.4	3.7		
	24	30	4.2	4.7	5.6	6.8	7.6	33	6.8	8.3	11.8	9.8	4.7		
	25 26	34 21	4.2	4.4 5.0	6.1 5.4	6.7 5.3	7.8 2.0	28 21	5.7 6.2	7.5 7.9	9.9 10.2	8.6 10.0	3.4 6.4		
Week	27	33	3.8	4.3	4.9	4.4	0.8	30	6.1	7.8	9.8	8.3	2.8		
>	28	25	3.5	4.0	4.4	5.1	3.9	30	6.7	8.2	10.9	9.4	3.6		
	29 30	26 28	4.2	4.6 4.7	5.1 5.7	4.7 6.7	0.8 7.9	31 27	6.9 6.5	8.6 8.2	11.3 10.1	10.4 9.1	6.1 3.8		
	31	37	4.0	4.7	5.6	5.1	2.2	35	6.0	7.4	10.3	9.2	4.8		
	32	24	4.8	5.6	6.4	6.4	3.3	27	6.1	6.8	7.9	7.0	1.7		
	33	34	3.9	4.5	5.9	5.0	1.8	29	6.8	7.6	8.6	8.3	2.8		
	34 35	23 34	3.8 4.3	4.6 5.0	6.0 5.9	5.6 5.4	3.0 1.8	30 28	6.2	7.1 7.7	9.7 14.0	8.6 10.0	3.3 5.2		
	36	31	4.4	4.8	5.6	5.1	0.9	28	6.1	7.1	9.2	9.3	5.2		
	37	27	4.6	5.1	5.7	5.3	1.0	31	6.5	7.7	11.7	9.3	3.7		
	38	31 28	4.7	5.1 4.9	5.7 6.4	5.4 5.1	1.2 1.2	29 29	5.7 6.1	6.6 6.8	8.0 8.3	7.8 7.5	2.8		
	40	27	4.1	5.3	6.4	5.5	1.4	28	5.1	6.8	9.5	7.7	3.0		
	41	29	4.4	5.2	6.5	5.5	1.4	23	6.0	8.3	11.0	9.0	3.9		
	42	28	5.0	5.8	6.2	5.6	0.9	27	5.5	7.5	9.6	8.5	4.7		
	43	21 24	4.5 4.6	5.1 5.1	5.8 5.7	5.3 5.8	1.1 2.3	26 19	6.4	8.0 7.8	11.5 12.0	10.3 9.6	8.7 4.3		
	45	28	4.7	5.2	5.8	5.2	0.8	28	6.3	8.9	11.4	9.2	3.5		
	46	31	4.6	5.2	5.6	5.3	1.1	27	6.1	8.5	10.4	9.0	3.5		
	47 48	34	4.1	5.0 4.8	5.4	4.9	0.9 1.7	38	5.9	7.4 g 1	9.3	8.1	3.2		
	48	26 25	4.2	4.8	5.3 6.0	5.1 5.9	2.7	31 24	7.0 6.9	8.1 8.1	11.4 9.9	9.6 8.5	4.1 2.2		
	50	29	3.8	4.0	4.5	4.4	1.2	33	7.2	8.8	11.5	10.2	4.5		
	51	34	3.9	4.5	5.3	4.6	0.8	35	6.8	9.2	11.2	9.5	3.3		
	52 53	27 19	3.7	4.1 3.8	4.5 4.0	4.2	0.9	27 12	7.5 6.8	9.5 7.4	14.3 8.2	11.5 8.1	6.2		
	ექ	19	3.6	3.8	4.0	4.1	0.8	12	6.8	7.4	8.2	8.1	2.3		

L	23	Downstream Direction							Upstream Direction						
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		Travel Time Estimate (hour)						
me	Time	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е		Std.		
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.		
Υ	2013 Jan	1914 179	2.5	3.9 4.3	8.3 8.6	5.9 6.3	4.5 5.2	1881 184	3.2	4.2 4.5	6.2	5.6 6.1	4.0		
	Feb	161	2.5	4.3	9.0	6.3	4.9	160	3.6	4.5	8.0	6.3	4.5		
	Mar	174	2.4	4.0	9.0	5.6	3.7	164	3.5	4.5	6.5	5.7	3.8		
	Apr	163	2.4	3.4	7.7	5.6	4.6	165	3.4	4.4	6.5	5.9	4.5		
ч	May	138	2.6	3.7	7.3	5.6	4.2	138	3.3	4.0	5.6	5.2	3.6		
Month	Jun Jul	162 155	2.6	3.3	8.4 7.2	5.6 5.0	4.2 3.3	155 158	3.0	4.2	5.9 6.5	5.3 5.8	3.6 4.4		
2	Aug	166	2.5	4.1	8.6	5.9	4.6	153	3.1	3.8	5.8	5.1	3.7		
	Sep	171	2.8	5.1	8.0	6.3	4.1	169	2.9	3.5	6.1	4.9	3.1		
	Oct	148	2.8	4.1	8.8	6.4	5.0	140	2.8	3.8	4.9	4.8	3.4		
	Nov	144	2.8	4.0	7.7	5.8	4.3	148	3.2	3.9	6.5	5.3	3.7		
	Dec 1	153 32	2.2	3.0	8.1 10.5	5.7 7.5	4.8	147 39	3.8	4.8	7.3	6.2	4.3		
	2	43	2.5	6.5 3.1	7.6	5.9	5.8 5.7	43	3.4	4.5 3.9	5.3 5.1	5.7 5.6	5.3 4.8		
	3	40	2.2	2.9	7.4	6.0	5.7	34	4.4	5.4	9.8	7.4	4.3		
	4	40	2.5	4.7	8.1	5.7	3.6	39	3.8	4.7	6.4	5.8	3.7		
	5	33	2.4	7.1	10.0	7.0	5.1	41	3.7	4.7	8.7	6.6	4.3		
	6	37	2.2	2.9	9.2	6.2	5.2	38	3.7	4.6	8.7	6.7	5.0		
	7 8	42 48	2.6	5.4 4.3	8.2 7.2	5.9 5.8	3.6 4.4	40 44	4.0 3.0	4.4	6.2 7.0	5.6 6.0	3.1 4.6		
	9	37	2.3	3.3	8.8	6.3	5.4	38	3.6	4.1	9.3	6.9	5.2		
	10	42	2.8	7.0	9.4	6.5	3.7	37	3.7	4.4	6.2	5.2	2.3		
	11	41	2.7	5.1	9.9	6.3	4.0	44	3.6	4.5	7.8	5.7	2.8		
	12	34	2.3	3.4	5.8	4.5	2.9	32	3.9	5.3	6.7	6.6	5.1		
	13	42	2.4	4.0	10.0	5.7	3.9	38	3.2	4.0	5.3	5.0	3.7		
	14	38	2.4	3.6	6.6	5.3	3.6	40	3.4	4.2	7.6	6.5	5.4		
	15 16	37 33	2.5	3.4 2.8	7.7 8.3	5.8 5.5	4.9 4.8	40 30	3.7 4.0	4.5 4.8	5.9 7.0	5.9 6.1	5.4 3.3		
	17	41	2.6	3.4	7.6	5.7	4.4	39	3.3	4.2	5.7	5.1	3.1		
	18	34	2.5	3.6	6.8	6.0	5.7	32	3.4	3.9	4.9	4.9	2.8		
	19	27	2.6	4.8	9.3	6.4	4.9	28	3.1	4.0	6.1	5.9	5.8		
	20	39	2.4	3.3	6.0	5.1	3.6	29	3.6	4.6	7.3	5.8	3.3		
	21	31 33	2.7	4.9 3.6	8.5 6.7	5.7 5.5	3.7 3.9	36 34	3.2	3.9 4.3	5.1 6.3	5.0 5.1	3.3 2.4		
	23	38	2.8	4.4	8.4	5.8	3.8	46	2.9	3.9	5.6	4.8	2.4		
	24	33	2.5	3.0	8.5	5.4	3.5	34	3.2	4.1	6.3	5.3	2.9		
	25	41	2.5	2.8	7.3	5.1	3.8	34	3.1	4.1	6.0	6.0	4.6		
ž	26	35	2.6	3.6	7.7	6.0	5.4	32	3.0	3.7	5.1	5.1	3.9		
Week	27	43	2.3	3.1	6.5	4.9	3.4	40	3.3	4.3	6.1	5.7	3.9		
	28 29	23 35	2.1	2.8 3.6	6.8 8.4	4.4 5.5	2.7 3.4	30 37	3.7	5.1 4.1	8.6 6.0	6.8 5.2	4.7 2.8		
	30	33	2.6	3.3	6.3	5.4	4.0	31	3.3	4.3	5.9	5.8	5.1		
	31	46	2.5	3.2	7.6	5.1	3.5	37	3.2	4.2	5.4	5.3	4.5		
	32	33	2.6	4.6	9.7	7.2	6.1	34	3.0	4.1	6.5	5.5	4.0		
	33	36	2.5	3.9	9.2	6.0	4.7	34	3.2	4.4	7.4	5.7	3.7		
	34 35	35 43	2.4	3.9 3.4	7.7 8.0	5.3 5.4	3.5 4.1	35 38	2.8 3.1	3.3 3.6	4.6 4.8	4.4 5.0	2.7 4.4		
	36	39	2.3	3.4	7.0	5.4	4.1	37	2.9	3.8	6.3	5.0	2.9		
	37	44	2.9	5.3	7.7	6.1	3.8	44	3.1	3.7	6.5	5.2	3.5		
	38	35	3.4	6.4	8.3	6.4	3.0	38	2.9	3.3	4.5	4.6	3.2		
	39	37	3.1	6.0	9.2	7.1	4.9	35	2.8	3.6	6.0	5.0	3.3		
	40	41	2.8	3.8	6.8	6.0	5.5	41	2.8	3.6	5.8	4.9	3.7		
	41 42	38 33	2.9	4.2 3.8	7.6 9.0	5.6 6.4	3.3 4.3	32 35	2.9	3.9 3.8	5.4 4.7	5.1 4.7	3.1 4.1		
	43	29	2.9	4.2	9.0	7.4	6.5	30	2.8	3.5	4.7	4.7	2.1		
	44	26	2.9	5.2	10.4	6.6	4.0	20	3.3	4.2	5.9	6.6	5.8		
	45	39	2.8	4.0	6.3	5.9	5.4	38	3.0	3.7	4.5	4.2	1.9		
	46	29	2.7	3.2	5.4	4.7	3.3	27	3.0	3.6	6.8	5.2	4.1		
	47	39	2.8	5.0	8.0	5.7	3.5	41	3.1	3.8	6.7	5.2	3.5		
	48	34	2.7	5.3	9.4	6.7	4.4	39	3.7	4.1	6.3	5.3	2.8		
	49 50	29 35	2.3	2.8	7.9 5.6	6.0 4.0	5.2 3.4	26 42	3.2	4.3 4.7	8.9 6.8	6.9 5.9	6.2 4.0		
	51	39	2.5	5.3	9.5	6.2	4.0	38	3.9	4.4	6.8	6.0	4.0		
	52	33	2.1	5.5	12.9	7.6	6.2	27	4.7	6.0	7.5	6.6	2.9		
			2.3	2.5	4.4	4.0	2.6	14	3.5	4.3	5.3	5.7	4.0		

L	24	Downstream Direction							Upstream Direction						
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		Travel Time Estimate (hour)						
me L	Time F	Count	Percentile		+	Std.	Count		Percentil	е	•	Std.			
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.		
Υ	2013	1758	2.1	2.4	3.2	3.6	5.1 4.3	1747	2.5	3.0	3.8	3.8	4.3 2.8		
	Jan Feb	170 151	2.1	2.4	3.0 2.9	3.8	7.5	179 153	2.5	2.9 3.3	3.7 4.2	3.7 4.0	5.1		
	Mar	170	2.0	2.3	2.8	3.2	5.0	160	2.5	3.0	3.8	3.2	1.3		
	Apr	144	2.2	2.5	3.2	5.7	11.2	147	2.7	3.2	4.0	4.8	8.0		
ے	May	121	2.2	2.5	3.1	3.7	4.9	116	2.7	3.1	3.8	3.7	4.3		
Month	Jun	141	2.2	2.5	3.0	3.0	1.5	136	2.6	3.0	3.6	4.1	6.1 5.3		
2	Jul Aug	142 152	2.0	2.4	3.1	2.9 3.6	1.6 2.4	155 145	2.4	3.0 2.9	3.8	3.7 3.9	4.5		
	Sep	152	2.3	2.8	3.8	4.0	3.4	150	2.4	3.0	4.1	3.4	1.4		
	Oct	137	2.3	2.7	3.8	3.7	2.8	126	2.4	2.8	3.8	3.6	3.7		
	Nov	132	2.2	2.4	3.2	3.3	3.9	134	2.5	3.0	3.8	3.5	2.2		
	Dec	146	1.9	2.3	3.2	3.1	2.2	146	2.6	3.0	3.6	3.5	1.9		
	2	28 39	2.4	2.8	3.2	3.2 5.9	1.7 7.3	36 41	2.5	2.9	3.3	3.1 4.8	1.1 4.8		
	3	40	2.0	2.3	3.0	3.2	2.3	38	2.7	3.2	4.5	3.9	2.5		
	4	38	2.0	2.4	2.8	2.9	2.8	37	2.5	3.0	3.5	3.1	0.7		
	5	34	1.9	2.2	2.6	3.0	2.7	39	2.8	3.1	3.8	3.7	1.9		
	6	34	1.9	2.4	3.5	4.1	7.0	34	2.6	3.5	4.4	3.7	1.5		
	7 8	35 45	2.3	2.5 2.4	3.1 2.9	4.7 4.2	11.2 7.3	36 42	2.7	3.0	3.9 4.6	3.2 5.0	9.3		
	9	39	2.0	2.4	2.8	4.2	9.4	40	2.6	3.3	4.0	3.7	1.3		
	10	43	2.0	2.3	2.5	2.8	2.1	35	2.8	3.2	3.5	3.3	1.0		
	11	35	2.0	2.3	2.9	2.6	1.0	41	2.5	2.9	3.9	3.5	2.0		
	12	35	2.0	2.3	2.7	2.8	1.9	34	2.6	3.0	3.7	3.2	0.9		
	13	40	1.9	2.2	3.0	3.2	2.9	35	2.4	3.1	3.8	3.0	0.9		
	14 15	33 37	2.1	2.4	2.8 3.8	2.6 7.8	0.7 15.4	39 35	2.7	3.6	4.5 3.9	7.2 4.0	13.4 4.1		
	16	30	2.0	2.2	3.2	7.5	14.3	34	2.3	3.0	3.4	4.1	6.2		
	17	37	2.2	2.6	2.9	5.0	8.1	33	3.0	3.3	3.8	3.6	1.4		
	18	28	2.1	2.4	2.9	4.7	8.5	26	2.8	3.2	3.9	5.2	8.6		
	19	25	2.3	2.5	3.2	3.1	1.7	20	2.7	3.2	3.9	3.3	0.7		
	20	30	1.9 2.4	2.3	2.7	3.4	3.3	23	2.5	3.0	3.6	3.4	1.3		
	21	29 27	2.4	2.9	4.4 2.7	4.3 2.6	4.4 0.8	31 29	2.7	3.0	3.7	3.3	1.2 0.9		
	23	32	2.4	2.9	4.3	3.5	1.7	40	2.5	3.0	3.5	3.2	1.2		
	24	32	2.0	2.3	2.9	2.7	1.4	32	2.7	3.0	3.3	3.3	1.6		
	25	36	2.3	2.4	3.1	2.8	1.0	31	2.6	3.1	3.9	5.8	10.3		
놓	26	31	2.2	2.3	2.7	3.0	1.8	26	2.4	3.0	3.3	4.5	7.7		
Week	27 28	40 19	2.0 1.9	2.4	3.1 2.3	2.8	1.6 0.5	38 29	2.4	2.8 3.2	3.6	3.1 5.7	0.8 11.7		
	29	33	2.2	2.1	3.0	3.2	2.1	36	2.6	2.9	3.5	3.1	0.9		
	30	28	2.1	2.4	3.0	2.7	1.2	29	2.3	2.9	3.8	3.3	1.5		
	31	40	2.2	2.4	3.8	3.2	1.6	37	2.6	2.9	3.7	3.4	1.6		
	32	35	2.6	3.4	4.8	4.2	2.2	31	2.5	3.0	4.4	5.1	8.4		
	33	35	2.0	2.5	3.4	3.7	2.6	36	2.5	2.9	3.8	3.5	1.9		
	34 35	31 38	2.1	2.5 2.5	3.6	3.6	2.8	32 36	2.3	2.9	3.5	3.2 4.0	1.4 3.6		
	36	34	2.5	3.2	5.0	4.9	4.7	33	2.4	3.3	4.1	3.7	1.7		
	37	39	2.3	2.7	2.8	3.2	2.6	36	2.4	2.8	3.8	3.3	1.3		
	38	33	2.7	3.0	3.8	3.6	1.7	36	2.3	3.0	4.0	3.3	1.3		
	39	32	2.2	2.5	5.1	4.5	3.9	32	2.5	2.8	3.9	3.3	1.2		
	40	37	2.3	2.8	3.7	4.1	3.4	34	2.3	3.1	4.0	3.8	2.6		
	41 42	32 33	2.3	2.8	3.8 4.2	3.3	1.7 2.7	26 34	2.5	2.9 3.1	4.0 3.8	4.6 3.6	7.0 1.9		
	43	27	2.2	2.4	3.8	3.8	3.0	29	2.3	2.6	2.9	2.8	0.9		
	44	27	2.0	2.7	3.4	5.1	7.9	20	2.5	3.0	3.6	3.4	1.7		
	45	31	2.3	2.7	3.5	3.1	1.4	31	2.3	3.0	3.7	3.7	3.9		
	46	28	2.0	2.3	2.6	2.5	1.2	25	2.6	2.9	3.2	3.1	1.2		
	47 48	34 34	2.1	2.3	2.9 3.3	2.7	1.2 2.0	36	2.4	2.8	3.6 4.4	3.2	1.1		
	48	25	2.2	2.4	3.3	3.3	2.0	38 27	2.9	3.5	4.4	3.9 3.6	1.6		
	50	37	1.9	2.6	4.1	3.8	3.0	40	2.6	3.2	4.3	3.8	1.7		
	51	37	2.0	2.3	2.9	2.8	1.3	38	2.5	2.8	3.1	2.8	0.5		
	52	33	1.8	2.0	2.5	2.5	1.4	26	2.7	3.1	3.9	3.4	1.4		
	53	14	1.8	2.2	2.8	2.6	1.6	15	2.7	3.1	4.7	4.5	4.2		

L	25		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1595	1.3	1.5	1.7	1.7	1.0 0.7	1596	1.9	2.3	2.8	2.5	1.0
	Jan Feb	162 136	1.3	1.4 1.4	1.6 1.6	1.6 1.6	0.7	170 131	2.0	2.3	2.8	2.7 2.6	0.8
	Mar	150	1.3	1.4	1.6	1.4	0.2	144	2.0	2.3	2.7	2.5	0.7
	Apr	106	1.4	1.5	1.8	1.6	0.4	121	2.1	2.6	2.9	2.6	0.6
	May	105	1.4	1.6	1.8	1.7	0.5	105	2.2	2.4	2.8	2.6	0.8
Month	Jun	126	1.3	1.5	1.7	1.6	0.3	124	2.0	2.3	2.7	2.4	0.6
Σ	Jul	139 138	1.3	1.4 1.6	1.6	1.6 2.0	0.9 1.4	141 133	1.9	2.3	2.8	2.6 2.4	1.0 0.8
	Aug Sep	143	1.5	1.7	1.9	2.0	1.5	139	1.7	2.2	2.5	2.4	0.6
	Oct	126	1.5	1.7	1.9	2.0	1.2	118	1.8	2.1	2.5	2.5	1.6
	Nov	126	1.3	1.5	1.7	1.8	1.6	131	1.8	2.1	2.5	2.2	0.6
	Dec	138	1.2	1.3	1.5	1.4	0.7	139	2.0	2.3	2.8	2.5	0.7
	1	28	1.3	1.5	1.7	1.6	0.3	33	2.0	2.4	2.8	2.5	1.2
	3	35 39	1.4	1.6 1.3	1.7	1.6 1.5	0.3 1.1	39 35	2.0	2.3	2.6 2.8	2.3	0.5 1.7
	4	35	1.3	1.3	1.5	1.5	0.4	36	1.8	2.5	2.8	2.5	0.7
	5	34	1.3	1.5	1.6	1.6	0.6	34	2.2	2.5	3.3	3.5	2.7
	6	31	1.2	1.3	1.4	1.3	0.3	32	2.1	2.5	2.8	2.6	0.7
	7	36	1.3	1.4	1.7	1.5	0.2	33	2.3	2.4	2.8	2.6	0.9
	8	37 29	1.4	1.6 1.5	1.7	1.8 1.6	1.3 0.8	32 36	2.1	2.4	2.5	2.4	0.7
	10	41	1.3	1.5	1.6	1.5	0.8	35	2.1	2.3	3.0	2.7	0.8
	11	30	1.3	1.4	1.6	1.5	0.2	38	2.0	2.4	2.6	2.4	0.6
	12	29	1.3	1.3	1.4	1.4	0.2	24	1.8	2.0	2.6	2.4	0.7
	13	38	1.3	1.4	1.6	1.4	0.2	34	2.0	2.3	2.5	2.3	0.6
	14	24	1.3	1.5	1.9	1.6	0.5	31	2.1	2.4	3.0	2.7	0.8
	15 16	23 24	1.5	1.7 1.5	1.9	1.8 1.5	0.3	31 25	2.3	2.8	3.1 2.9	2.8	0.7
	17	28	1.4	1.5	1.7	1.6	0.3	27	2.1	2.4	2.8	2.5	0.5
	18	26	1.4	1.5	1.8	1.6	0.3	25	2.3	2.6	2.8	2.5	0.5
	19	24	1.4	1.5	1.7	1.6	0.3	19	2.3	2.5	2.7	2.6	0.6
	20	24	1.3	1.4	1.6	1.5	0.3	18	2.2	2.5	3.0	2.6	0.6
	21	24 24	1.5 1.5	1.7 1.7	1.9	1.9 1.7	0.9	29 27	2.1	2.3	2.8	2.6 2.5	1.3 0.6
	23	29	1.5	1.7	1.9	1.8	0.4	38	1.8	2.3	2.7	2.3	0.5
	24	30	1.3	1.5	1.6	1.5	0.2	30	2.2	2.4	2.9	2.6	0.7
	25	32	1.4	1.5	1.6	1.5	0.2	26	2.1	2.3	2.7	2.5	0.7
ak	26	28	1.3	1.6	1.7	1.6	0.4	21	1.9	2.3	2.5	2.3	0.4
Week	27 28	37 21	1.3	1.4	1.5	1.5 1.3	0.8	36 27	1.9 2.1	2.3	3.0	2.6 2.6	0.8
	29	31	1.3	1.5	1.7	1.7	1.2	33	2.0	2.3	2.8	2.7	1.4
	30	28	1.3	1.4	1.5	1.4	0.2	28	1.8	2.3	2.7	2.4	1.1
	31	39	1.4	1.5	1.8	2.2	1.7	35	2.0	2.4	2.7	2.5	0.8
	32	33	1.6	1.7	2.2	2.0	0.9	24	1.9	2.2	2.4	2.3	0.8
	33 34	29 28	1.3	1.5 1.4	1.7	1.9 1.6	1.8 0.5	34 31	1.9	2.2	2.6	2.5 2.4	1.0
	35	34	1.3	1.5	1.8	1.8	1.0	33	1.8	2.2	2.3	2.4	0.7
	36	31	1.5	1.6	1.9	1.7	0.4	32	1.8	2.0	2.6	2.3	0.6
	37	37	1.5	1.7	1.9	1.7	0.3	36	1.8	2.0	2.3	2.1	0.5
	38	33	1.7	1.9	2.2	2.5	2.3	27	1.6	1.9	2.6	2.1	0.6
	39 40	30 32	1.3 1.5	1.6 1.7	1.9 1.9	2.2	2.0 1.7	31 32	1.8	2.2	2.5	2.2 3.0	0.5 2.3
	41	33	1.5	1.7	2.0	2.2	1.5	24	1.9	2.1	2.5	2.6	1.8
	42	29	1.6	1.8	2.0	1.9	0.6	34	1.8	2.1	2.2	2.1	0.4
	43	22	1.4	1.6	1.8	1.7	0.7	25	1.9	2.1	2.5	2.3	0.5
	44	26	1.4	1.6	1.8	1.6	0.3	21	1.9	2.1	2.4	2.3	0.7
	45 46	28 29	1.4	1.7 1.5	1.9	2.5 1.6	3.2 0.7	28 27	1.8	2.0	2.3	2.1	0.4
	47	32	1.3	1.5	1.7	1.6	0.7	33	1.7	2.1	2.6	2.3	0.7
	48	33	1.3	1.4	1.6	1.5	0.2	38	1.8	2.3	2.5	2.3	0.5
	49	26	1.2	1.4	1.7	1.7	1.1	27	2.1	2.4	2.9	2.6	0.8
	50	31	1.2	1.3	1.3	1.3	0.5	37	2.0	2.3	2.8	2.6	0.9
	51	37	1.3	1.4	1.6	1.5	0.5	38	1.9	2.3	2.6	2.4	0.6
	52 53	31 13	1.1	1.2 1.2	1.3	1.4	0.8	23 14	2.2 1.8	2.4	2.9	2.6	0.6
ш	00	10	1.1	1	1.0	1.0	V.Z		1.0	1	2.0	£. I	0.0

L	26		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	ravel Ti	me Estim	ate (hour	.)
me l	Time F	Count	F	Percentil	е		Std.	Count	F	ercentil	е		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1157	8.0	9.8	13.7	16.4	18.7 3.7	1256	11.4	14.5	20.6	19.4	15.1 8.6
	Jan Feb	152 75	7.4 7.6	8.7 9.0	11.3 12.2	10.0 15.7	17.6	162 96	11.3 12.7	14.5 15.2	20.8 19.4	17.3 18.5	11.1
	Mar	129	7.7	8.8	10.8	12.3	13.7	129	11.4	13.7	18.5	16.7	10.0
	Apr	63	8.9	12.7	53.0	29.1	28.0	67	13.5	17.9	23.0	23.9	19.0
ے	May	68	9.1	11.7	17.8	21.3	22.6	72	12.9	16.4	32.6	27.6	23.6
Month	Jun	81	8.8	10.8	18.0	20.6	22.4	94	11.1	14.2	19.4	19.4	17.2
≥	Jul Aug	111 98	7.7 8.7	9.6 11.3	12.8 15.8	15.7 18.9	16.3 22.8	115 107	11.7 11.2	14.9 13.6	20.4	19.9 18.8	14.8
	Sep	100	9.1	10.4	13.4	15.6	16.6	107	10.5	13.6	18.1	19.5	18.6
	Oct	89	8.8	12.1	17.0	19.2	21.8	93	10.3	13.7	19.3	19.3	16.6
	Nov	73	8.4	10.4	15.7	19.7	20.9	91	11.0	13.8	22.1	20.3	17.6
	Dec	118	6.9	8.4	10.5	12.0	13.3	123	11.7	14.5	19.0	17.4	9.8
	2	25 34	7.7 8.8	9.7 10.3	12.8 13.3	10.5 12.0	3.7 4.4	29 39	11.2 11.2	13.7 13.8	21.8 19.0	17.2 16.2	9.4 7.0
	3	34	6.8	7.3	8.2	8.1	2.5	34	13.2	15.4	24.3	18.7	8.5
	4	37	7.4	8.2	9.7	9.1	3.0	34	10.3	14.0	19.2	15.9	7.6
	5	31	7.4	8.8	11.7	10.1	3.5	36	12.0	14.5	21.3	17.9	8.9
	6	24	7.1	8.4	10.9	12.0	9.2	24	13.8	17.9	21.4	18.6	7.1
	7 8	13 18	8.5 8.4	9.0 10.2	40.8 13.0	22.4 19.3	21.1	25 16	13.3 12.5	19.4 15.9	27.8 18.9	24.5 16.4	18.2 5.8
	9	13	8.5	10.2	12.3	15.2	17.8	25	12.5	14.0	18.2	16.7	8.8
	10	29	7.7	9.0	9.9	10.2	5.8	29	12.1	14.4	16.9	16.4	6.6
	11	33	8.1	9.1	10.8	14.9	18.3	32	11.3	14.0	18.4	14.7	4.9
	12	23	7.4	8.4	10.9	16.2	21.5	25	11.4	14.0	18.5	19.5	16.1
	13	36	7.7	9.1	11.0	9.9	3.6	34	10.9	12.3	17.6	14.5	4.8
	14 15	22 11	8.1 18.0	11.8 62.8	40.3 71.5	26.8 49.6	28.7 28.4	25 15	11.3 14.5	17.1 16.9	21.8 23.0	23.3 21.5	19.1 11.2
	16	12	7.7	9.1	31.6	21.6	21.2	12	16.1	20.1	23.7	23.4	15.9
	17	15	9.0	10.4	19.4	22.3	24.1	14	15.6	17.5	25.6	29.1	27.1
	18	14	8.6	12.7	18.7	22.6	22.3	13	14.4	16.6	25.2	19.4	7.3
	19	20	8.9	9.6	15.0	23.3	29.7	15	13.2	14.5	35.8	28.6	25.6
	20	17 14	7.7	9.9	14.6	19.1	19.6	14 19	14.2	27.9	66.6	40.2	28.8
	21	13	10.7 9.0	12.2 12.1	23.4 16.1	22.8 22.0	20.2 26.5	18	12.3 13.1	15.0 16.2	31.6 20.9	26.2 21.9	20.9 19.0
	23	19	9.5	10.8	16.3	20.7	21.4	22	9.8	12.8	17.9	20.5	19.8
	24	17	9.3	12.0	39.8	26.1	24.5	19	10.5	13.0	15.5	14.0	4.6
	25	23	8.4	9.0	10.9	18.0	22.4	26	11.4	14.6	22.0	21.3	17.8
κ	26	19	10.0	12.3	15.5	15.1	7.9	23	12.3	14.5	18.5	20.7	20.5
Week	27 28	30 19	7.7 7.7	9.1 8.8	10.6 15.8	12.3 17.8	11.4 18.9	25 24	10.7 15.5	12.6 21.1	16.2 31.6	14.6 26.2	5.9 16.7
	29	24	8.5	9.8	11.3	13.0	8.7	28	12.6	14.2	18.4	19.4	15.3
	30	19	7.6	9.8	17.6	18.8	21.8	25	11.3	12.8	15.3	14.9	7.7
	31	27	8.8	10.6	14.8	17.2	16.3	25	12.0	16.9	33.8	26.7	20.7
	32	21	10.4	12.0	15.9	20.3	22.6	23	11.3	14.2	17.2	17.7	14.7
	33 34	19 25	8.3 8.2	10.3 10.4	13.9 19.2	21.7 16.8	29.8 16.4	30	11.2 10.8	13.0 13.7	18.1 20.4	18.0 18.4	14.8 11.7
	35	27	8.4	11.3	14.7	19.3	24.4	21	11.9	13.8	17.6	18.4	11.4
	36	20	8.8	9.7	12.1	13.7	11.3	24	11.7	14.9	20.8	19.9	16.6
	37	28	9.1	10.5	12.3	13.6	10.6	28	10.8	12.9	18.0	18.0	16.8
	38	19	9.5	13.0	14.2	16.6	15.2	18	9.1	11.5	14.6	19.3	23.6
	39 40	30	9.0 8.2	10.6 9.5	13.8 14.7	19.1 17.0	23.5 21.2	25 30	13.1 9.8	15.2 13.1	22.7 17.9	24.8 17.5	20.7 13.8
	41	16	8.6	13.0	15.9	20.8	25.1	15	9.5	12.2	21.2	21.5	21.8
	42	24	9.4	12.2	18.6	18.1	17.4	27	10.4	12.0	16.3	14.0	5.8
	43	15	9.0	10.7	13.1	17.3	20.6	20	10.9	14.7	21.3	21.4	19.7
	44	18	9.1	15.0	18.5	21.7	23.7	17	11.3	14.4	17.7	19.1	15.4
	45 46	17 14	8.4	9.2	13.5	18.7	19.6	26	9.8	13.9 14.4	23.0	17.2	8.3
	46 47	16	9.3 9.1	11.0 11.1	27.8 13.9	22.8 18.2	22.4 19.2	19 19	9.8 11.5	13.4	19.5 17.0	25.0 20.0	24.9
	48	24	8.2	10.2	16.2	20.2	22.6	23	11.9	16.5	25.7	21.6	15.1
	49	22	7.9	9.9	12.8	17.3	20.2	27	11.5	14.7	20.5	17.5	8.2
	50	27	6.9	8.2	10.5	11.0	10.4	29	12.1	14.8	17.8	18.6	11.7
	51	29	7.8	9.3	10.6	14.0	15.5	33	12.2	14.5	18.9	16.7	8.7
	52 53	32 8	6.5 6.6	7.2 6.9	9.1 7.2	8.7 7.0	4.4 0.8	23 11	13.8 10.5	15.4 11.1	20.1 13.4	19.3 11.7	11.5 1.7
ш	JJ	U	0.0	0.0	1.2	7.0	υ.υ	- 11	10.0	(1.1	13.4	(1.7	1.7

L	27		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e	•	Std.
-	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1334	1.5	1.7	2.1	2.1	2.0 0.4	1487	1.8	2.2	2.6	2.4	1.7 0.9
	Jan Feb	176 87	1.4	1.6 1.6	1.9 1.8	1.7 1.8	1.6	185 111	1.8 2.0	2.2	2.6 2.6	2.2	0.9
	Mar	145	1.4	1.7	1.8	1.8	1.5	156	1.9	2.2	2.5	2.5	1.9
	Apr	78	1.6	1.8	2.3	2.3	1.6	88	2.0	2.4	2.8	2.8	2.0
ے	May	80	1.6	1.8	2.2	2.2	1.5	88	2.0	2.3	2.7	2.8	2.3
Month	Jun	92	1.7	1.8	2.3	2.2	1.3 1.5	114	1.8	2.2	2.5	2.6	2.3
2	Jul Aug	129 120	1.5 1.6	1.7 1.9	2.0	1.9 2.9	3.4	142 127	1.8	2.3	2.7	2.4	0.8 1.4
	Sep	104	1.7	1.9	2.2	2.4	2.3	116	1.7	2.0	2.4	2.4	1.7
	Oct	110	1.6	1.8	2.2	2.4	2.4	118	1.7	2.0	2.3	2.6	2.6
	Nov	75	1.6	1.9	2.2	2.4	2.1	93	1.8	2.0	2.4	2.2	1.0
	Dec 1	138 28	1.3	1.4 1.7	1.8 2.0	1.9 1.8	2.2 0.5	149 35	1.8	2.3	2.6 2.6	2.5	1.4
	2	41	1.6	1.7	2.0	1.8	0.5	42	1.8	2.2	2.4	2.2	0.6 1.4
	3	40	1.3	1.4	1.6	1.5	0.3	38	2.1	2.5	2.8	2.5	0.7
	4	43	1.4	1.5	1.8	1.6	0.3	39	1.7	2.0	2.4	2.1	0.6
	5	36	1.3	1.6	1.8	1.6	0.4	44	1.9	2.1	2.3	2.1	0.4
	6 7	22 18	1.2 1.5	1.3	1.5 1.9	1.4 1.7	0.2	30 25	2.1	2.3	2.7	2.5 2.4	0.7
	8	16	1.6	1.7	2.0	1.8	0.3	17	1.8	2.3	2.3	2.4	0.4
	9	22	1.6	1.8	2.0	2.7	3.0	31	1.9	2.4	2.7	2.9	2.9
	10	36	1.6	1.7	1.9	1.9	1.2	39	2.0	2.3	2.5	2.3	0.6
	11	36	1.4	1.7	1.9	1.7	0.3	36	1.9	2.1	2.5	2.2	0.4
	12 13	25 37	1.3	1.6 1.6	1.8 1.8	1.6 2.1	0.4 2.7	35 36	1.8	2.3	2.7	2.8	2.8 0.5
	14	23	1.5	1.7	1.9	2.1	1.6	30	1.9	2.1	2.6	2.3	0.5
	15	15	1.6	2.1	2.6	2.2	0.6	22	2.1	2.3	2.7	2.9	2.4
	16	19	1.6	1.7	1.8	1.7	0.2	18	2.2	2.8	3.2	3.4	2.9
	17	16	1.6	2.1	2.4	2.1	0.4	12	2.1	2.4	2.6	2.4	0.5
	18 19	17 25	1.7	2.3	2.8	3.4 2.6	2.9	23 24	2.0	2.3	2.8 2.5	2.7	1.6 0.4
	20	25	1.4	1.7	1.8	1.8	0.7	17	1.9	2.2	2.5	2.2	0.3
	21	10	1.9	2.1	2.5	2.2	0.3	20	2.1	2.3	3.0	3.2	3.2
	22	18	1.7	1.9	2.1	1.9	0.4	18	2.2	2.4	2.8	3.6	3.7
	23 24	21	1.7	2.0	2.4	2.5	1.7	26	1.7	1.9	2.4	2.5	3.0
	25	17 28	1.7	1.9 1.9	2.3	2.7	1.9 0.5	25 28	1.8	2.2	2.3	2.2 3.3	0.5 3.6
Ļ	26	21	1.5	1.7	2.1	1.8	0.5	29	2.1	2.2	2.3	2.2	0.4
Week	27	28	1.6	1.9	2.1	1.8	0.3	36	1.8	2.2	2.9	2.3	0.6
>	28	30	1.5	1.6	1.8	1.7	0.3	28	2.1	2.7	3.1	2.8	1.0
	29 30	29 26	1.4	1.7	1.8	2.3	3.1	32 31	1.9	2.2	2.4	2.2	0.4
	31	24	1.4	1.8 1.8	2.0	1.8 1.9	0.4	26	1.7	2.3	2.7	2.2	0.5 1.0
	32	32	1.7	2.0	2.2	2.8	3.2	30	1.9	2.2	2.5	2.5	1.6
	33	24	1.6	1.9	2.2	2.7	3.0	30	1.8	2.0	2.4	2.3	1.1
	34	28	1.7	1.9	2.3	2.9	3.2	30	1.8	2.2	2.3	2.6	1.8
	35 36	31 22	1.5	1.8 1.9	2.3	3.2 2.5	4.1 2.9	29 26	1.8	2.0	2.3	2.3	1.0 2.5
	37	28	1.7	1.8	2.1	1.9	0.4	24	1.8	2.0	2.3	2.3	1.1
	38	15	1.8	2.2	2.5	2.8	2.6	22	1.6	2.0	2.2	2.0	0.4
	39	24	1.6	1.9	2.2	2.1	1.3	33	1.8	2.0	2.4	2.7	2.0
	40	38	1.6	1.8	2.1	2.3	2.5	33	1.6	1.9	2.3	2.6	3.0
	41 42	22 30	1.7	2.2 1.8	2.3	3.2 2.3	3.8 1.3	19 38	1.9	2.1 1.9	2.3	2.5 2.2	1.8
	43	17	1.6	1.8	2.0	1.8	0.3	21	1.7	2.0	2.5	2.7	3.3
	44	24	1.7	1.8	2.2	2.7	3.4	21	1.8	2.0	2.3	2.5	2.3
	45	20	1.5	2.0	2.2	1.9	0.4	26	1.7	1.8	2.1	2.3	1.7
	46	12	1.7	1.8	2.1	2.7	3.0	21	1.7	2.3	2.5	2.2	0.4
	47 48	14 23	1.6	1.9 1.7	2.2	2.4	1.8 2.6	19 24	1.8	2.0	2.3	2.1	0.3
	49	29	1.4	1.8	2.1	2.4	3.7	39	1.8	2.3	2.6	2.8	2.4
	50	31	1.3	1.3	1.6	2.1	2.7	29	1.9	2.3	2.8	2.4	0.6
	51	31	1.4	1.6	1.9	1.7	0.4	37	1.8	2.1	2.7	2.3	0.9
	52	32	1.2	1.3	1.5	1.4	0.3	27	2.0	2.4	2.7	2.4	0.6
ш	53	15	1.2	1.3	1.3	1.3	0.1	17	1.8	2.2	2.3	2.1	0.3

L	28		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	)
me (	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	1714	2.2	2.6	3.3	5.6	10.6	1812	2.5	2.9	3.6	4.5	7.6 0.9
	Jan Feb	176 138	2.1	2.5 2.6	2.9 3.2	2.8 6.9	13.9	185 151	2.5	2.9 2.8	3.5 3.3	3.1	3.7
	Mar	149	2.0	2.4	3.3	7.3	14.0	154	2.4	2.9	3.3	4.2	8.1
	Apr	108	2.1	2.5	3.0	4.4	8.5	120	2.6	3.0	3.5	4.8	8.1
ے	May	119	2.3	2.7	3.4	5.4	8.4	134	2.5	3.0	3.8	6.3	10.8
Month	Jun	133	2.3	2.6	3.2	6.6	12.0	146	2.4	2.8	3.4	5.8	11.8 4.3
Σ	Jul Aug	156 158	2.1	2.6	3.5	4.5 6.8	8.6 12.9	158 159	2.6	3.0 2.9	3.7 3.7	3.9 4.3	5.4
	Sep	145	2.3	2.7	3.6	4.9	8.4	157	2.4	2.9	3.8	5.4	9.9
	Oct	153	2.3	2.7	3.4	5.2	9.7	149	2.4	2.7	3.6	4.6	7.0
	Nov	120	2.3	2.6	3.8	8.6	15.5	129	2.4	2.8	3.3	5.0	9.2
H	Dec	159	2.1	2.4	3.0	4.5	6.6	170	2.6	3.0	3.8	3.9	6.5
	2	26 43	2.4	2.8	3.9	3.0 2.8	0.9 1.4	36 43	2.6	2.8 3.0	3.6 3.8	3.2	1.1
	3	40	2.0	2.3	2.7	2.7	1.2	39	2.8	3.2	3.8	3.3	0.8
	4	42	1.9	2.2	2.6	2.5	1.2	36	2.3	2.6	3.1	2.7	0.6
	5	37	2.2	2.5	3.0	3.6	3.7	44	2.6	2.8	3.2	2.9	0.7
	6	30	1.8	2.2	2.7	5.7	10.4	30	2.5	2.8	3.5	3.6	2.2
	7 8	32 34	2.3	2.7	3.1	8.0 8.0	15.5 16.8	37 32	2.5	2.9 2.8	3.3	3.5 4.5	2.5 7.0
	9	41	2.0	2.7	3.4	6.4	13.3	46	2.3	2.0	3.3	3.1	1.2
	10	41	2.3	2.6	3.5	9.1	16.1	39	2.8	3.1	3.6	3.7	3.7
	11	31	2.1	2.5	3.0	3.8	4.7	35	2.5	2.7	3.3	6.3	13.8
	12	29	2.0	2.5	3.9	8.9	17.6	35	2.3	2.7	3.1	4.3	8.4
	13	31	2.1	2.4	3.7	8.3	14.2	31	2.3	2.8	3.2	3.2	2.1
	14 15	19 31	2.2	2.7	3.0	3.0 4.9	1.6 9.5	30 38	2.6	2.9 3.0	3.3 3.4	3.4	2.3 3.5
	16	23	2.0	2.0	2.8	2.4	0.6	29	2.8	3.3	4.1	7.2	12.8
	17	25	2.1	2.3	3.1	3.1	2.3	19	2.6	2.9	3.3	5.8	10.6
	18	25	2.0	2.6	4.6	9.9	16.2	26	2.3	2.8	3.3	3.0	0.8
	19	35	2.3	2.5	3.0	4.3	6.2	31	2.7	3.2	4.4	4.6	4.2
	20	27	2.2	2.8	4.2	5.4	6.9	27	2.4	2.9	4.0	9.3	14.6
	21	23 29	2.4	2.8	3.9	5.8 4.3	9.8 5.8	32 35	2.6	3.1	3.8	5.5 9.0	6.4 17.7
	23	33	2.3	3.0	3.6	5.7	11.5	33	2.2	2.7	3.4	8.8	17.1
	24	30	2.4	2.7	11.2	10.7	15.4	32	2.6	2.8	3.4	4.5	8.4
	25	27	2.1	2.3	2.7	4.2	8.5	36	2.3	2.7	3.2	5.0	8.6
놓	26	36	2.3	2.7	3.1	6.7	11.6	34	2.4	2.9	3.6	4.1	6.8
Week	27 28	35 36	2.3	2.5	3.0 2.8	2.7 4.1	0.6 9.9	40 31	2.6	3.1 3.1	3.6 3.6	3.2	0.9 1.5
	29	36	2.1	2.9	4.9	6.8	11.2	37	2.6	2.8	3.7	4.1	4.2
	30	31	2.1	2.5	3.4	4.7	9.9	34	2.4	2.8	4.1	4.2	4.2
	31	32	2.4	2.9	3.6	3.6	3.2	32	2.5	2.9	3.4	4.4	7.0
	32	35	2.2	2.6	3.4	5.3	9.7	33	2.4	2.8	3.1	2.8	0.6
	33	34	2.3	2.5	3.3	4.9	6.4	41	2.6	3.1	5.6	6.1	8.3
	34 35	37 41	2.4	2.8	8.6 3.2	9.6 7.6	16.1 16.6	36 38	2.4	3.2 2.9	5.9 3.2	4.9 3.5	5.2 3.7
	36	29	2.3	3.2	4.7	6.1	11.3	37	2.3	3.2	6.8	6.5	10.8
	37	34	2.1	2.5	3.2	5.3	10.3	34	2.4	2.9	3.8	5.1	10.1
	38	30	2.5	2.8	3.6	4.4	5.8	31	2.6	3.3	3.9	6.1	11.1
	39	33	2.2	2.5	3.1	3.8	5.3	43	2.3	2.8	3.2	4.7	9.4
	40	45 36	2.3	2.7 3.0	4.8 8.7	4.0 9.9	4.8 15.9	35 34	2.5	2.9	3.5 3.5	3.3 5.6	1.2 8.1
	42	38	2.4	2.7	3.2	4.6	9.8	44	2.4	2.6	3.9	3.6	2.3
	43	29	2.2	2.4	3.2	3.3	2.6	27	2.3	2.7	3.2	6.3	11.6
	44	34	2.2	2.6	2.8	4.7	9.5	29	2.3	2.6	3.5	4.2	5.6
	45	29	2.4	2.6	3.2	8.6	14.2	35	2.3	2.7	3.2	4.9	8.2
	46	25	2.3	2.7	8.4	11.8	18.9	29	2.3	2.8	3.6	3.6	3.4
	47 48	25 31	2.4	2.8	6.4 2.7	9.7 5.3	16.6 11.4	25 32	2.5	3.0 2.8	3.3	8.1 4.5	15.5 7.6
	49	36	2.1	2.3	2.9	3.5	4.4	43	2.4	2.8	3.6	3.0	0.8
	50	33	2.1	2.3	2.7	4.9	7.9	33	2.6	3.0	3.5	4.8	9.0
	51	37	2.2	2.5	2.9	5.5	9.1	44	2.5	2.8	3.6	4.6	10.0
	52	37	2.1	2.7	3.8	4.5	4.6	31	2.8	3.2	4.0	3.6	1.0
	53	16	1.9	2.2	2.6	3.0	2.6	19	2.6	3.1	4.2	3.6	1.4

L	29		Do	wnstrea	m Direc	tion				Upstrear	n Directi	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	е	•	Std.
_	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1960	2.3	2.8	4.1	3.9	3.1	1951	3.3	3.9	5.1	4.7	2.5 3.2
	Jan Feb	171 162	2.3	2.8	3.8	3.8 3.5	2.5	176 170	3.6	4.3	5.5 5.7	5.3 5.1	2.9
	Mar	186	2.3	2.6	4.1	3.8	3.5	174	3.4	4.0	5.3	4.8	2.4
	Apr	149	2.3	2.7	3.9	3.6	2.1	153	3.4	4.3	5.6	4.9	2.1
۰	May	146	2.3	2.7	4.3	3.7	2.4	145	3.5	4.2	5.1	4.8	2.3
Month	Jun	153	2.3	2.7	3.8	3.9	3.4	156	3.3	3.8	4.7	4.6	2.6
2	Jul Aug	163 180	2.3	2.7	3.7	3.6	2.6 3.1	163 170	3.3	4.1 3.8	5.3 4.8	5.0 4.5	2.9
	Sep	166	2.6	3.0	4.0	4.0	3.0	162	3.1	3.7	4.4	4.1	1.7
	Oct	172	2.6	3.1	5.4	4.5	3.2	159	3.1	3.7	4.8	4.7	2.8
	Nov	148	2.5	3.0	5.4	4.8	4.2	154	3.2	3.8	4.7	4.4	1.7
Н	Dec	164	2.2	2.5	4.2	3.8	3.0	169	3.4	4.0	5.1	4.8	2.4
	2	26 42	2.4	2.9 2.9	3.7 4.0	4.5 4.0	4.6 2.7	31 43	3.3	4.3	5.2 4.9	4.9 4.6	2.7 1.8
	3	38	2.2	2.5	2.8	3.1	1.8	37	3.7	4.4	5.0	5.3	2.8
	4	41	2.3	2.6	3.6	3.6	2.8	37	3.2	3.8	5.6	5.3	3.8
	5	35	2.2	2.7	3.5	4.0	3.6	41	3.8	4.3	7.8	6.5	4.2
	6	32	2.0	2.4	2.9	3.0	1.7	31	3.7	4.6	7.1	5.9	3.3
	7 8	40 49	2.3	2.9	3.8	3.7 3.4	2.9 1.8	44 41	3.4	4.1	5.5 5.0	4.9 4.6	2.2
	9	43	2.4	2.8	4.8	4.0	2.8	50	3.3	3.8	4.8	4.7	3.4
	10	43	2.3	2.7	3.3	3.5	3.8	36	3.9	5.0	7.1	5.6	2.1
	11	41	2.4	2.6	3.2	3.1	1.5	41	3.4	3.8	5.3	4.6	1.9
	12	40	2.2	2.5	4.6	4.4	5.0	41	3.2	4.1	5.3	4.9	3.6
	13	39	2.3	2.7	5.5	3.9	2.6	38	3.4	3.9	4.9	4.4	1.8
	14	38	2.4	3.6	6.1	4.6	2.6	43 44	3.4	4.4	5.1	4.5	1.5
	15 16	42 32	2.3	2.9	3.9 2.8	3.4	1.5 1.9	36	3.6	4.7	7.1 5.1	5.5 4.4	2.4 1.4
	17	31	2.4	2.8	3.5	3.6	2.1	29	3.2	4.2	5.3	4.8	2.6
	18	31	2.3	2.5	3.5	3.1	1.3	29	3.4	3.9	4.5	4.3	1.5
	19	38	2.3	2.7	4.6	3.7	2.4	33	3.7	4.5	5.5	4.7	1.8
	20	34	2.2	2.5	3.1	3.5	2.3	29	3.6	4.6	5.2	4.8	2.0
	21	29 34	2.4	2.8 3.0	4.8	3.9 4.1	2.5 2.6	33 36	3.5 3.5	4.0	5.0 4.8	5.2 4.6	3.1 2.2
	23	36	2.5	2.9	3.9	3.8	2.3	41	3.0	3.4	4.0	3.8	1.5
	24	34	2.3	2.8	4.4	3.9	2.7	34	3.3	3.9	4.7	4.5	1.8
	25	41	2.3	2.6	3.8	3.9	3.5	39	3.4	3.8	4.5	5.0	3.7
¥	26	33	2.5	2.8	3.9	4.4	5.0	34	3.4	4.2	5.7	5.3	2.8
Week	27	37	2.2	2.7	3.1	3.1	1.7	37	3.2	3.9	4.8	4.2	1.3
	28 29	36 34	2.2	2.6	4.0	3.3 4.2	1.8 3.6	32 37	3.6	4.4	5.5 7.4	5.0 5.6	2.2 3.5
	30	35	2.3	2.8	3.7	4.1	3.4	36	3.3	4.1	5.0	5.5	4.0
	31	41	2.4	2.8	3.3	3.5	1.9	36	3.3	3.9	5.2	4.8	2.6
	32	41	2.4	2.8	3.5	3.7	2.3	36	3.4	3.9	4.8	4.6	3.0
	33	42	2.4	2.7	3.4	3.7	4.1	42	3.3	3.9	5.0	4.5	1.7
	34 35	38 44	2.4	2.7	5.4 3.6	4.2 3.8	3.3 2.6	40 40	3.3	3.8	4.4 4.5	4.1 4.3	1.4
	36	34	2.4	2.7	3.6	3.8	2.6	37	3.5	4.0	4.5	4.5	2.2
	37	44	2.8	3.2	4.1	4.1	3.1	37	3.2	3.7	5.3	4.3	1.6
	38	35	2.8	3.1	4.0	3.8	1.9	32	2.8	3.5	3.9	3.7	1.6
	39	35	2.4	2.8	3.9	4.0	3.1	46	3.2	3.7	4.2	3.9	1.3
	40	49	2.4	3.0	3.4	3.7	3.1	37	3.0	3.4	4.3	4.1	2.3
	41 42	41 42	2.4	2.9 3.3	5.1 5.3	4.4 4.8	3.0 3.2	37 44	3.0	4.1 3.7	7.8 4.6	5.5 4.2	3.4 1.8
	43	31	2.6	3.2	6.8	5.3	4.2	29	3.0	3.6	4.6	4.7	3.1
	44	37	2.5	3.0	5.9	4.5	3.0	30	3.3	3.5	4.7	4.6	2.7
	45	26	2.7	3.2	4.3	4.1	2.7	36	3.1	3.5	4.2	4.0	1.3
	46	41	2.6	3.5	7.2	5.7	5.4	36	3.1	4.0	5.6	4.8	2.0
	47	32	2.6	3.5	6.1	5.7	4.7	36	3.5	4.0	4.5	4.4	1.5
	48 49	39 37	2.3	2.7	3.9 6.2	4.1 4.9	3.4 4.3	38 43	3.5 3.4	3.9	4.6 4.8	4.5 4.4	1.8
	50	33	2.4	2.9	4.0	3.7	2.9	35	3.5	4.2	5.7	5.4	2.9
	51	42	2.3	2.8	4.6	3.8	2.3	41	3.4	4.1	5.3	4.9	2.8
	52	35	2.0	2.4	3.6	3.4	2.3	30	3.6	4.1	5.1	4.4	1.2
	53	17	2.0	2.2	2.3	2.3	0.5	20	3.3	3.7	5.2	4.8	2.4

L	30		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	r)
me	Time I	Count	F	Percentil	е	t e	Std.	Count		Percentil	e	1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1974 174	2.4	2.8	3.6	3.6	2.3 3.5	1961 178	3.8	4.6 4.6	6.1	5.3 5.3	2.5
	Jan Feb	174	2.4	2.8	3.5	4.1 3.7	2.7	175	3.8	4.6	6.0 6.1	5.4	2.5
	Mar	188	2.3	2.6	3.3	3.3	1.9	173	4.0	4.9	6.1	5.5	2.4
	Apr	152	2.5	2.8	3.7	3.7	2.6	156	3.9	4.9	6.5	5.7	2.6
ے	May	139	2.6	2.9	3.8	3.6	1.7	141	3.8	5.1	6.4	5.7	2.6
Month	Jun Jul	151 159	2.5	2.8	3.8	3.7	2.6 1.7	151 161	3.7	4.4 4.9	5.7 6.7	5.1 5.9	3.2
2	Aug	181	2.6	2.8	3.3	3.2	1.4	173	3.5	4.9	5.7	4.7	1.9
	Sep	165	2.6	3.0	3.8	3.5	1.5	162	3.3	4.1	5.5	4.6	1.8
	Oct	183	2.7	3.1	3.9	3.7	1.8	171	3.3	4.3	5.9	5.1	2.9
	Nov	153	2.6	2.8	3.6	3.6	2.0	154	3.5	4.3	5.3	4.6	1.5
	Dec 1	159 26	2.2	2.5	3.7	3.7	2.9	166	4.0 3.4	5.0 4.4	6.8	6.0	3.3
	2	45	2.8	3.0	3.6 4.8	4.5 4.4	5.6 2.6	29 48	3.8	4.4	5.7 5.7	4.8 4.9	2.0
	3	39	2.3	2.4	3.4	3.7	2.7	36	4.2	5.0	6.0	5.5	1.7
	4	41	2.2	2.8	4.7	4.4	4.0	38	4.2	5.1	7.3	6.2	3.2
	5	33	2.6	2.8	3.5	3.3	1.3	39	3.7	4.5	6.0	5.8	3.5
	6	35	2.0	2.3	3.2	4.2	4.5	30	4.6	5.5	6.9	6.4	2.9
	7 8	43 49	2.5 2.5	2.9	4.9 3.4	3.8	2.1	48 41	3.8	4.5 4.3	5.1 6.4	4.5 5.2	1.0 2.2
	9	45	2.6	2.8	3.2	3.4	1.7	51	4.0	4.7	5.8	5.1	1.7
	10	42	2.3	2.6	3.2	3.6	2.6	37	4.2	5.0	6.2	5.7	2.5
	11	43	2.3	2.6	3.3	3.3	1.5	42	3.8	4.5	5.8	5.3	2.6
	12	42	2.2	2.4	2.7	2.9	1.5	40	4.3	4.9	6.2	5.5	2.0
	13 14	40 40	2.4	2.7	3.9	3.4	1.5	39 47	4.2	4.9	5.7	5.4	2.0
	15	42	2.5	2.6 2.9	3.2 4.0	3.0	1.0 2.1	47 39	4.0 3.9	4.9 5.3	6.9 6.6	5.9 5.7	2.9
	16	32	2.3	2.7	3.7	3.1	1.1	35	4.2	6.1	7.2	6.5	3.6
	17	30	2.6	3.2	4.5	4.1	2.9	30	3.5	4.5	5.4	4.7	1.6
	18	32	2.6	2.8	3.9	4.4	4.2	32	4.0	4.9	5.7	5.1	1.7
	19	35	2.5	2.8	4.1	3.6	1.9	30	4.3	4.8	6.3	5.8	2.5
	20	32 28	2.3	2.7 3.0	3.4	3.2	1.6 1.5	31 32	4.2 3.8	5.4 5.0	7.9 6.3	6.6 5.9	3.1 2.8
	22	33	2.8	3.2	4.0	3.7	1.3	34	3.7	4.5	5.6	4.9	1.6
	23	36	2.6	3.0	3.6	3.9	3.5	39	3.4	4.2	5.7	4.9	2.6
	24	31	2.5	3.1	4.9	4.0	2.6	31	4.2	4.7	5.5	5.1	2.0
	25	43	2.4	2.6	3.0	3.1	1.9	41	3.7	4.4	6.4	5.0	1.7
충	26	29	2.5	3.1	3.8	4.1	2.3 1.2	31	3.7	4.2	5.2	4.8	2.3
Week	27 28	37 34	2.5	2.8	4.2 2.8	3.3	2.0	38 29	3.6 4.7	5.2 6.0	8.3 7.4	6.5 6.5	3.9 2.8
	29	34	2.4	2.9	3.2	3.4	1.5	39	4.0	4.7	6.4	5.5	2.2
	30	36	2.3	2.8	3.4	3.5	2.2	33	4.3	5.3	6.7	6.2	3.6
	31	43	2.6	2.9	3.2	3.0	0.8	40	3.5	4.1	4.9	4.8	3.1
	32	42	2.6	2.8	3.5	3.3	1.2	38	3.7	4.1	5.5	4.8	2.0
	33 34	40 39	2.6	2.8	3.4	3.5 3.1	2.2 0.8	42 39	3.7	4.8	6.4 4.8	5.3 4.6	2.1 1.8
	35	43	2.5	2.7	3.1	3.2	1.3	40	3.3	4.0	4.9	4.5	1.5
	36	34	2.6	2.9	3.6	3.3	1.2	36	3.4	4.5	6.2	4.9	1.9
	37	43	2.7	3.0	3.3	3.4	1.5	36	3.3	4.0	5.4	4.5	1.7
	38	38	2.8	3.1	3.7	3.4	1.1	34	3.2	3.7	4.7	4.1	1.4
	39 40	34 50	2.4	3.0	3.3	3.6 3.5	2.2 1.1	45 38	3.3	4.3	5.2 5.0	4.8 4.5	1.9
	41	42	2.7	3.2	4.3	4.0	2.4	40	3.7	4.7	6.3	6.0	4.3
	42	49	2.8	3.2	4.0	3.8	1.4	51	3.3	4.2	5.5	4.6	1.8
	43	31	2.7	3.1	3.5	3.5	1.2	31	3.4	4.3	5.7	5.0	2.4
	44	40	2.6	2.8	4.0	3.8	2.3	30	3.4	4.3	5.7	5.2	3.1
	45 46	26 41	2.7	2.9 3.2	3.4 4.4	3.4 4.1	1.4 2.4	36 35	3.2	3.8 4.3	5.0	4.3 4.7	1.5
	46	31	2.8	2.7	3.3	3.3	1.6	36	3.4	4.3	5.7 5.1	4.7	1.6 1.5
	48	42	2.5	2.7	3.4	3.3	1.8	39	3.7	4.6	5.3	4.9	1.6
	49	33	2.7	2.9	4.6	4.2	2.5	44	3.7	4.5	6.2	5.7	3.6
	50	34	2.1	2.3	3.8	4.2	4.1	35	4.1	6.2	7.7	7.3	4.4
	51	42	2.4	2.6	3.3	3.4	1.7	37	3.8	4.4	6.0	5.0	1.6
	52 53	32 18	2.1	2.3	3.8 2.3	3.8 2.4	3.3 0.9	32 18	4.6 4.2	5.3 4.8	7.7 5.2	6.7 4.9	3.3 1.1
ш	JJ	10	۷.۱	۷.۷	۷.۵	2.4	0.8	10	4.2	4.0	J.Z	4.9	1.1

L	31		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	·)
me	Time I	Count	F	Percentil	е		Std.	Count		Percentil	e	1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	1466 173	2.7	3.2 2.9	5.9 5.8	4.9	3.7	1552 177	3.8	4.7	6.4	5.8 5.7	3.5
	Feb	124	2.5	3.2	6.0	5.0	4.2	122	4.1	4.7	6.7	6.2	3.9
	Mar	116	2.6	3.0	5.5	4.8	3.8	128	4.2	5.1	6.7	6.1	3.9
	Apr	88	2.8	3.4	6.0	4.7	3.2	99	4.3	5.1	6.7	6.1	3.2
ج	May	98	2.8	3.3	6.6	5.1	3.4	101	3.9	4.7	5.9	6.1	3.8
Month	Jun Jul	112 133	2.7	3.3	6.4 5.5	5.1 4.9	4.0	121 140	3.8	4.5 5.0	5.8 6.8	5.4 6.0	3.3
2	Aug	126	2.8	3.3	5.7	4.6	2.7	127	3.7	4.3	6.3	5.6	3.2
	Sep	108	3.0	3.6	5.8	4.7	2.6	121	3.6	4.6	6.2	5.5	3.1
	Oct	157	2.8	3.5	5.7	4.6	2.8	154	3.3	4.3	6.0	5.7	4.0
	Nov	105	2.8	3.5	6.7	5.1	3.7	111	3.5	4.4	6.0	5.4	3.1
	Dec 1	126 27	2.4	2.9 3.1	5.4 4.1	5.1 3.8	5.2 1.9	151 30	4.0 3.5	5.0 4.8	7.3 6.5	6.1 5.7	3.3
	2	42	2.7	3.5	6.3	4.9	3.3	45	3.7	4.4	5.1	4.7	1.9
	3	39	2.1	2.6	6.4	4.5	3.5	34	4.5	5.1	6.5	7.0	4.8
	4	43	2.3	2.7	5.4	4.7	4.2	40	3.8	5.3	6.4	6.2	3.8
	5	31	2.4	3.1	8.0	5.3	3.9	39	3.8	4.4	5.7	5.2	2.4
	6	30 31	2.2	2.4 3.0	5.8 4.7	5.0 4.5	4.5	26 32	4.7	6.0 4.4	8.8	7.4	4.0
	7 8	28	2.8	3.0	4.7	4.5	3.6 3.1	20	3.9	4.4	5.9 5.7	6.2 6.6	5.6
	9	33	2.8	3.7	6.2	5.7	4.9	42	4.2	4.7	6.8	5.4	1.9
	10	30	2.6	3.1	6.2	5.0	3.8	27	4.0	4.8	5.7	5.8	3.4
	11	23	2.5	2.8	3.6	4.4	4.0	27	3.8	4.9	6.8	5.8	2.8
	12	24	2.3	2.5	3.8	4.7	4.3	24	4.7	5.3	6.8	6.5	3.1
	13 14	27	2.9	3.8	6.7	5.4	3.7	37	4.3	4.9	6.0	5.7	3.4
	15	20 24	2.7 3.1	2.9 3.4	4.6 5.0	5.1 4.4	4.9 2.3	24 28	3.9 4.5	4.9 5.1	6.8 6.5	7.0 5.8	6.6 2.4
	16	17	2.8	3.4	7.1	5.0	2.7	20	4.3	5.4	7.0	6.6	4.3
	17	18	2.9	3.6	5.1	4.6	2.3	18	4.5	5.3	7.8	6.3	2.6
	18	19	2.5	2.9	3.8	3.8	2.0	24	3.8	4.8	9.8	6.6	4.1
	19	32	2.8	3.4	6.9	5.6	3.9	26	4.1	5.0	7.6	7.1	5.0
	20	19 23	2.6 3.0	3.3	6.3	5.1 5.2	3.7	19 27	4.5 3.9	4.8	5.5 5.3	5.3 5.6	1.4 2.9
	22	23	2.9	3.5	6.5	4.9	2.6	21	3.8	4.3	5.1	5.0	2.3
	23	20	3.0	3.3	5.0	4.2	1.8	32	3.5	4.0	4.7	4.3	1.4
	24	25	2.9	4.3	9.8	6.4	4.6	22	4.7	5.3	7.3	7.0	5.2
	25	36	2.6	3.0	7.3	5.2	5.0	34	3.8	4.8	6.6	5.6	2.5
충	26	21	2.8	3.4	4.6	4.5	2.8	25	3.7	4.3	5.3	5.5	3.8
Week	27 28	37 31	2.6	3.4 2.9	5.5 3.9	5.2 3.8	4.5 2.3	42 27	3.8 4.8	5.0 6.0	5.9 7.9	5.6 6.9	2.7 3.5
	29	28	2.5	3.1	5.7	5.4	5.4	34	3.8	4.8	5.9	5.4	2.4
	30	27	2.9	3.9	6.2	5.5	4.1	27	3.7	4.5	7.2	6.2	5.1
	31	28	2.7	3.3	4.2	4.4	2.8	27	3.5	4.4	6.5	6.2	4.0
	32	28	2.8	3.2	4.2	4.0	2.0	24	3.8	4.5	5.8	5.5	2.7
	33 34	24 29	2.7 3.2	3.3	5.7 6.6	4.2 5.7	2.2 3.7	31 28	3.6	4.3	5.4 8.7	5.1 6.5	2.3 4.4
	35	33	2.7	3.2	4.9	4.4	2.5	32	3.4	4.4	5.6	4.9	2.0
	36	21	2.9	3.7	4.9	4.2	2.0	24	4.0	4.8	8.3	6.2	3.6
	37	24	3.0	3.2	5.0	4.6	2.7	28	3.8	4.6	5.9	5.5	2.4
	38	24	3.1	4.0	7.1	5.2	2.8	18	3.1	4.0	4.6	5.0	3.6
	39 40	30	2.9	3.4	6.0 5.6	4.6 4.5	3.0 2.1	41 36	3.3	4.3	5.8	5.3	3.1
	41	38 27	2.9	3.7	5.7	4.5	2.1	32	3.7	4.4	5.5 9.2	5.2 7.2	5.5
	42	52	3.0	3.7	5.7	4.9	3.2	50	3.4	3.9	5.7	5.5	3.6
	43	28	3.0	3.6	5.9	4.5	2.1	29	3.2	4.3	5.9	4.9	2.3
	44	31	2.8	3.3	4.5	4.7	3.3	22	3.9	4.3	5.5	5.3	2.8
	45	20	3.2	3.8	5.1	4.8	2.8	30	3.2	3.7	6.0	5.1	3.1
	46 47	24	2.8 3.0	3.2 4.7	5.4 7.3	4.6 6.2	2.8 4.2	24 26	3.9	4.4 4.7	5.8 7.4	5.1 6.0	2.2 4.1
	48	31	2.7	3.2	6.3	5.2	4.2	26	3.8	4.7	7.4 5.4	5.6	2.8
	49	31	2.8	3.3	6.0	6.0	6.1	45	3.4	4.4	6.2	5.4	3.0
	50	21	2.3	2.4	2.9	4.2	4.0	30	4.4	5.3	7.0	7.0	4.9
	51	37	2.6	3.1	4.9	5.0	5.3	33	3.8	4.7	5.3	5.1	1.8
	52	25	2.2	2.9	6.8	5.7	5.4	32	5.5	7.6	9.0	7.5	2.7
	53	12	2.2	2.3	3.0	3.6	2.6	11	3.8	4.6	6.0	5.1	1.6

L	32		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count	- 1	Percentil	e	•	Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	1620	3.3	3.8	4.6	5.1	5.6 1.3	1596	4.5	5.3	6.4	6.2	4.4 1.5
	Jan Feb	180 122	3.2	3.7 3.6	4.5 4.5	4.0 5.0	6.2	185 122	4.7	5.6 5.5	6.3 6.4	5.7 6.0	2.9
	Mar	140	3.3	3.8	4.4	5.2	6.0	125	4.8	5.7	7.0	7.8	7.9
	Apr	87	3.5	4.0	4.7	5.8	7.6	75	5.3	6.1	6.7	7.2	5.8
ے	May	109	3.6	4.1	5.3	6.2	7.4	102	4.9	5.7	6.5	6.6	4.8
Month	Jun	128	3.5	3.9	4.5	4.9	5.0 5.3	130	4.4	5.0	6.0	5.5	2.7 4.0
Σ	Jul Aug	148 149	3.3	3.8	4.6 4.5	4.9 4.6	3.9	143 144	4.5 4.4	5.8 5.0	6.8	6.3 6.4	5.4
	Sep	139	3.6	4.1	4.8	5.5	6.1	145	4.1	4.8	5.8	5.5	2.8
	Oct	161	3.5	4.2	4.9	5.3	4.6	151	4.2	4.8	5.7	5.5	2.8
	Nov	117	3.5	4.0	4.7	6.3	8.0	120	4.3	4.8	6.1	6.2	5.8
	Dec	140	3.1	3.5	4.2	4.2	4.3	154	4.9	5.6	6.6	6.5	4.4
	2	27 43	3.6	4.3 4.3	4.9 5.2	4.6 4.5	1.4 1.1	31 49	4.8	5.6 5.2	6.3 6.1	5.5 5.4	1.4
	3	44	2.9	3.3	3.6	3.5	1.4	36	5.1	6.5	7.7	6.5	1.9
	4	43	3.0	3.6	4.3	3.9	1.1	38	4.7	5.6	6.4	5.7	1.5
	5	31	3.0	3.7	4.1	3.7	0.8	44	4.8	5.5	6.2	5.8	1.8
	6	35	2.9	3.2	3.3	6.5	10.7	23	5.9	6.2	7.0	6.9	2.3
	7 8	31 25	3.5	4.0 4.2	4.5 4.9	4.2 4.5	1.4	35 17	4.5 4.6	5.3 5.4	6.2 6.0	6.1 5.3	4.6 1.0
	9	34	3.6	3.8	4.9	4.6	3.8	44	4.0	5.5	6.0	5.5	1.1
	10	37	3.4	4.0	4.4	5.8	6.8	30	5.1	6.0	6.6	6.3	2.7
	11	31	3.1	3.8	4.6	5.8	6.1	31	4.5	5.3	6.8	9.0	9.9
	12	23	3.1	3.5	4.4	4.4	3.5	22	5.4	6.2	7.3	7.7	5.1
	13	29	3.3	3.8	4.6	5.3	7.7	29	4.4	5.3	6.9	9.1	11.2
	14 15	21 24	3.6	3.8 4.2	4.7	6.1 4.5	7.9 1.2	16 19	4.8 5.6	5.2 6.6	5.9 7.2	6.1 7.9	3.4 6.5
	16	21	3.3	4.2	4.5	9.0	12.7	18	5.8	6.2	6.8	8.1	8.7
	17	16	3.7	4.4	4.7	4.4	1.0	15	5.9	6.1	6.5	6.1	0.8
	18	19	3.2	3.7	4.8	6.2	9.4	18	4.8	5.5	6.1	6.3	2.8
	19	34	3.5	4.0	4.8	5.4	6.3	22	4.9	6.1	6.9	6.1	2.1
	20	21 27	3.7	3.9 4.2	5.2 6.0	8.2 5.9	10.3 4.5	25 26	5.2 5.0	5.7 5.7	6.0 6.5	6.5 6.0	3.9 2.0
	22	25	3.6	4.2	5.3	4.4	1.0	27	4.5	5.5	6.4	7.7	8.1
	23	31	3.6	4.0	4.5	5.9	7.1	34	4.2	4.7	5.3	4.9	1.8
	24	25	3.7	4.3	4.7	6.0	7.7	22	4.7	5.5	6.3	6.8	5.4
	25	35	3.4	3.8	4.2	3.9	1.0	36	4.4	5.3	6.3	5.6	1.6
송	26	28	3.5	3.8	4.4	4.2	1.4	26	4.5	4.8	6.0	5.2	1.1
Week	27 28	37 32	3.2	3.8	4.7 3.8	4.8 3.6	4.8 0.9	42 28	4.4 5.1	5.7 6.2	6.9 7.5	5.9 7.5	6.3
	29	39	3.3	4.0	4.2	6.5	8.8	37	4.6	5.5	6.3	5.5	1.1
	30	27	3.4	3.8	4.7	4.1	1.1	29	4.8	5.7	6.6	6.7	5.3
	31	35	3.5	4.1	4.9	4.4	1.0	25	4.1	4.8	6.0	5.6	2.2
	32	32	3.3	3.7	4.4	5.4	7.5	32	4.7	5.1	5.9	5.7	2.8
	33 34	33 28	3.3	3.9 4.0	5.1 4.6	4.2 4.4	1.4	37 31	4.3 4.5	4.9 5.3	5.8 6.3	5.4 7.0	1.8 6.1
	35	40	3.5	4.0	4.4	4.4	2.6	32	4.3	5.0	6.6	7.0	8.7
	36	28	3.6	3.9	5.0	7.3	10.1	31	4.6	5.3	6.0	5.6	1.8
	37	32	3.8	4.1	4.7	5.4	6.3	32	3.9	4.6	5.2	4.9	1.2
	38	33	3.8	4.4	5.2	5.4	4.7	27	4.0	4.5	5.2	5.6	4.6
	39	36	3.4	4.2	5.0	4.6	1.8	44	4.2	4.8	5.7	5.8	2.9
	40	40 34	3.4	4.0	4.8	4.3 5.9	1.2 5.4	33 34	4.1	4.6 5.0	5.8 5.9	5.1 5.8	1.4 2.9
	42	48	3.8	4.3	5.4	6.0	6.6	48	4.1	4.7	5.3	5.4	3.1
	43	30	3.6	4.0	4.7	4.8	2.5	30	4.1	4.6	5.5	4.9	1.5
	44	29	3.4	3.8	5.1	4.4	1.5	25	4.3	4.9	6.6	6.2	3.4
	45	23	3.8	4.0	5.1	7.6	9.2	28	3.9	4.5	5.0	5.0	1.9
	46	27	3.6	4.0	4.8	7.8	10.6	25	4.7	5.6	6.7	7.3	6.3
	47 48	25 32	3.4	3.9	4.5 4.5	5.1 5.8	4.6 7.7	29 30	4.4	4.8 5.2	5.4 6.2	5.1 7.8	1.4 9.5
	49	34	3.5	3.9	4.4	4.1	0.9	47	4.3	5.0	5.7	5.3	1.7
	50	25	3.0	3.2	3.7	4.8	6.5	30	5.2	5.6	7.0	6.7	3.0
	51	38	3.4	3.8	4.3	3.9	0.7	34	4.9	5.5	5.9	5.7	1.8
	52	31	2.9	3.2	3.5	4.5	6.9	32	6.1	7.0	8.5	9.2	8.0
ш	53	12	2.9	3.1	3.2	3.1	0.4	11	5.2	5.3	6.3	5.6	0.7

L	33		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	')
me l	Time F	Count	F	Percentil	е	f	Std.	Count	ı	Percentil	e	1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	1636 188	2.2	2.7	4.1 3.7	4.4 3.4	6.7 2.6	1655 190	2.8	3.3	4.3	4.6 3.6	6.2 1.1
	Feb	47	1.9	2.9	5.5	7.6	13.0	60	3.6	4.3	5.3	6.5	8.8
	Mar	107	2.2	3.2	6.3	7.7	12.3	104	3.3	3.9	5.0	8.2	12.9
	Apr	54	2.3	2.8	5.2	10.3	17.3	54	3.1	3.7	4.3	6.3	9.2
£	May	119	2.1	2.5	3.6 4.1	4.3 3.9	7.1 5.3	116 158	2.9	3.3	4.4	5.4	8.3 5.0
Month	Jun Jul	156 166	2.0	2.7	3.5	3.9	1.8	168	2.8	3.3 3.5	4.1	3.9 3.7	1.3
_	Aug	178	2.2	2.8	4.2	4.0	5.3	165	2.7	3.3	4.4	4.2	4.9
	Sep	168	2.2	2.8	4.5	3.6	2.3	171	2.6	3.2	4.3	4.6	7.3
	Oct	181	2.3	3.2	4.5	4.6	4.2 2.4	162	2.7	3.2	4.2	4.0	2.4
	Nov Dec	132 140	2.3	2.8	3.8	3.5 4.3	6.6	146 161	2.7	3.3	4.1 4.1	4.3 4.2	5.6 5.0
H	1	29	2.3	3.0	3.7	3.2	1.3	33	2.8	3.3	4.1	3.7	1.1
	2	44	2.3	3.0	4.1	4.0	3.9	47	3.0	3.3	4.1	3.7	1.2
	3	43	2.0	2.3	4.2	3.4	2.2	39	3.1	3.8	4.6	3.9	1.2
	4 5	45 35	1.9	2.3	2.8 3.5	2.7	1.3 3.1	39 45	2.6	3.2	3.7	3.4 3.4	1.2
	6	23	2.0 1.9	3.4	6.3	3.6 8.4	13.7	18	3.6	4.2	3.8 5.6	5.8	5.5
	7	7	2.3	2.7	5.6	7.1	9.2	10	3.5	4.7	15.3	14.3	18.1
	8	4	3.1	5.3	20.1	18.0	23.6	6	4.6	4.8	5.2	4.9	1.2
	9	12	2.8	4.6	6.3	5.9	5.3	17	3.8	4.1	4.9	4.3	1.0
	10	31 28	2.3	3.0	5.3 6.1	5.7 10.8	7.4 17.5	20 33	3.0	4.0 3.7	5.1 5.0	4.5 7.9	2.0 13.3
	12	14	2.1	2.6	3.5	7.1	13.8	14	3.6	6.0	26.2	18.6	20.9
	13	25	2.2	2.9	6.8	7.3	10.1	30	3.3	4.0	4.6	7.3	10.7
	14	19	2.3	2.5	4.1	9.5	18.0	19	2.7	3.4	3.8	6.6	11.0
	15 16	11 11	2.3	3.1	7.2 4.5	7.0 11.7	7.9 18.3	11 12	3.1	3.8	4.0 4.9	3.6 4.9	1.0 3.0
	17	8	2.7	2.8	3.6	8.2	14.0	9	3.1	3.9	4.9	11.1	14.5
	18	10	2.5	3.0	7.1	11.8	20.5	11	3.5	3.9	5.5	7.6	10.5
	19	19	2.0	2.7	4.4	8.2	15.8	17	3.2	3.3	4.0	6.6	9.9
	20	24	1.9	2.3	2.9	2.8	1.6	24	2.7	3.0	3.8	7.6	13.6
	21	36 40	2.3	3.2 2.3	5.3 2.9	4.8 2.8	4.3 1.4	37 39	2.7	3.3	5.1 3.8	4.3 3.3	2.7 1.0
	23	38	2.2	2.8	4.2	3.9	4.2	41	2.5	3.2	4.0	4.9	9.3
	24	32	2.7	3.4	4.5	3.8	2.0	32	2.8	3.3	4.0	3.6	1.2
	25	44	2.1	3.0	4.1	3.6	2.3	43	2.5	3.3	4.2	3.6	1.4
송	26	33 40	2.1	2.3	3.5	4.7 3.3	10.0	30 48	2.8	3.3	4.1	3.6	1.3
Week	27 28	36	1.9	2.4	3.5	3.1	2.1	27	2.5	3.5 3.1	3.8	3.8	2.0 1.2
	29	45	2.1	2.3	3.2	2.8	1.2	43	2.8	3.2	3.8	3.4	1.1
	30	31	2.0	2.5	3.3	3.3	2.0	36	3.0	3.6	5.5	4.1	1.4
	31	42	2.3	3.2	4.2	3.7	1.7	35	3.1	4.3	5.0	4.4	1.6
	32	34 40	2.3	2.6	4.7 3.8	4.5 3.6	6.8 2.9	31 45	3.2 2.7	3.8	5.0 4.2	4.3 4.9	1.5 9.0
	34	37	2.1	3.0	4.7	5.4	8.7	35	2.8	3.4	4.5	3.9	1.6
	35	45	2.3	2.7	3.3	3.2	1.6	39	2.5	2.9	3.5	3.3	1.1
	36	37	2.0	2.8	4.5	3.8	2.8	40	2.6	3.2	4.4	3.8	2.0
	37 38	41 42	2.3	2.7	4.9 3.2	3.7	2.2 1.4	41 31	2.7	3.2	4.0 3.4	5.2 4.1	9.6 5.6
	39	38	2.4	3.2	5.1	4.3	2.5	49	2.9	3.8	4.8	5.5	9.1
	40	42	2.1	2.8	4.9	4.3	3.2	35	2.7	3.3	5.6	4.4	2.5
	41	46	2.1	3.1	4.5	4.6	4.1	41	2.4	2.9	4.8	4.0	2.9
	42	51	2.5	3.5	4.3	4.2	3.0	50	2.9	3.2	3.9	3.6	1.7
	43 44	34 28	2.4	3.0 2.7	4.3	4.1 5.1	2.8 6.9	30 25	2.6	2.8 3.6	3.8 4.1	3.5 4.2	2.0
	45	25	2.4	2.8	3.5	3.5	2.8	32	2.6	3.0	4.2	5.5	10.2
	46	29	2.3	3.0	3.8	3.1	1.3	31	2.8	3.6	4.7	5.0	5.6
	47	23	2.4	2.8	4.9	4.2	3.9	33	2.5	2.8	3.7	3.2	1.2
	48 49	45 37	2.3	2.8	3.8	3.3 5.1	1.4	41 48	2.9	3.6 3.2	4.5 3.5	4.0 3.7	1.5
	50	30	2.2	2.5	2.8	3.1	6.5 2.0	35	2.7	3.2	3.3	3.3	1.7
	51	26	2.1	2.3	3.0	3.6	3.3	28	2.5	3.0	3.4	4.0	4.9
	52	29	2.1	2.4	6.2	6.4	11.4	37	3.2	4.2	4.8	4.6	2.2
Ш	53	18	1.8	2.2	2.4	2.5	1.3	13	3.3	3.4	4.3	8.5	14.5

L	34		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	f	Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	2090	4.6	5.3 5.0	6.7	7.0 5.9	6.8 3.8	2060 210	7.6 7.8	9.2 9.5	11.2 11.3	10.4 9.7	6.5 2.9
	Feb	128	4.4	5.3	7.4	9.7	12.7	132	8.4	10.0	12.3	12.4	9.1
	Mar	173	4.2	4.9	6.3	8.1	10.4	170	7.9	9.9	11.7	12.1	9.7
	Apr	119	4.7	5.5	6.8	9.2	12.5	102	8.8	10.6	12.9	13.9	11.8
£	May	154 174	4.7	5.3 5.3	6.5 6.2	6.7	4.7 3.6	150 182	7.9 7.4	9.7 8.7	11.4 10.7	11.4 9.8	8.7 5.5
Month	Jun Jul	192	4.4	5.1	6.8	6.1 6.8	5.8	197	8.0	10.0	12.4	11.2	5.4
-	Aug	203	4.8	5.4	6.5	6.2	3.4	190	7.2	8.7	9.9	9.2	3.8
	Sep	192	5.0	5.7	7.3	6.5	2.1	191	6.7	8.3	9.9	8.9	4.4
	Oct	195	5.2	5.8	7.4	7.1	4.1 5.0	176	6.7	7.9	9.9	8.8	3.3 4.4
	Nov Dec	161 191	4.8 4.2	5.4 4.8	6.6 5.8	6.6 6.8	7.3	165 195	7.2 8.2	8.6 10.0	10.2 12.0	9.1 10.7	5.2
М	1	31	4.6	5.0	6.5	7.3	8.2	38	7.9	9.7	11.0	9.4	2.4
	2	47	5.0	5.8	7.4	6.7	3.1	48	6.9	9.0	10.7	9.1	2.3
	3	49	3.9	4.7	5.5	5.0	1.7	42	8.8	10.1	12.4	11.2	4.0
	4 5	51 39	4.1 4.4	4.7 4.8	5.7 5.8	5.2 5.3	1.7 1.6	45 54	8.2 7.7	9.8 9.0	12.4 11.0	10.1 9.9	2.8 3.7
	6	34	4.4	4.6	6.5	10.3	15.0	29	8.9	11.9	14.0	14.3	10.6
	7	31	4.5	5.8	7.7	12.4	17.1	30	7.6	10.3	12.0	12.1	9.7
	8	29	5.2	5.7	8.0	8.5	7.7	27	9.2	10.3	12.0	12.6	10.2
	9	40 36	4.8 4.6	5.5 5.1	7.5 6.9	9.4 6.2	9.2 3.3	37 37	7.8 8.7	9.1 10.5	10.5 12.3	10.9 12.5	7.2 8.3
	11	39	4.0	4.8	6.0	9.2	12.9	43	7.7	9.4	11.1	13.6	13.5
	12	38	4.1	4.6	5.2	8.3	11.4	31	8.8	10.6	13.5	12.3	7.4
	13	41	4.3	4.9	6.2	7.8	10.8	44	7.6	9.2	10.6	10.3	8.2
	14	28	4.5	5.0	6.0	12.0	17.5	33	7.8	9.1	10.5	11.0	9.5
	15 16	30 29	5.3 4.7	6.2 5.5	7.4 6.7	8.4 10.5	10.4 14.3	26 22	9.8	11.2 12.7	16.2 13.5	16.3 15.9	13.7
	17	18	4.6	5.0	6.0	6.2	3.6	21	8.8	10.2	12.3	12.1	8.8
	18	29	4.4	5.2	6.4	5.7	1.7	18	8.9	9.8	12.1	12.9	10.5
	19	33	4.9	5.4	7.4	7.6	7.1	30	8.7	10.1	11.4	13.4	12.7
	20	28	4.4	5.0	5.9	7.5 6.2	6.3	33	8.3	9.8	12.7	13.7	10.8
	21	41 45	4.7 5.2	5.4 5.5	6.5 7.1	6.4	2.7	43 40	7.7 6.7	9.6 8.8	11.3 9.9	9.9 8.6	3.2 2.5
	23	41	4.9	5.6	6.6	7.2	6.5	50	7.2	8.4	9.8	9.4	6.3
	24	39	4.6	5.3	6.0	5.9	2.0	36	7.8	9.0	10.8	9.9	3.7
	25	45	4.5	4.9	5.7	5.4	1.8	46	7.2	9.8	11.7	9.7	2.8
Week	26 27	38 47	4.8	5.4 4.7	6.9 5.9	6.0 5.7	1.7 2.5	35 54	7.8 7.6	8.8 10.5	12.1 12.2	11.2 10.5	8.4 3.4
×	28	38	4.4	4.8	5.9	6.2	3.3	31	9.1	10.5	13.0	11.1	3.6
	29	50	4.4	4.8	5.6	5.6	2.5	48	7.9	9.7	11.7	9.8	2.7
	30	42	5.0	6.0	7.8	9.9	10.6	46	8.8	10.7	15.5	14.0	8.9
	31 32	48 41	4.9 4.7	5.5	6.6	6.9 5.8	5.8	41 40	7.8	9.0	10.6	9.4	2.6
	33	41	4.7	5.5 5.1	6.0	5.8 6.0	1.4 2.8	40	7.7 7.4	8.7 8.3	9.6 9.7	10.0 9.1	6.3 3.1
	34	44	4.9	5.4	6.6	5.8	1.8	41	7.2	9.0	10.7	9.0	2.3
	35	48	4.9	5.4	6.9	6.6	3.0	45	6.7	8.1	10.3	8.9	2.8
	36	41	4.9	5.6	7.3	6.5	2.3	44	7.7	9.0	10.7	9.5	3.0
	37	42 52	5.0 5.4	5.5 6.1	7.1 7.4	6.4 6.5	2.1 1.7	43 41	6.3	7.4 7.9	8.8 9.4	7.9 9.1	1.9 8.0
	39	42	5.0	5.7	7.3	6.4	2.2	51	7.3	8.4	10.5	9.0	2.8
	40	48	5.0	5.6	8.0	6.7	2.6	38	6.7	8.1	9.2	8.5	2.7
	41	44	4.7	5.7	7.3	6.9	3.4	43	7.4	8.7	11.2	9.9	4.3
	42	51 38	5.5 5.1	6.2 5.7	7.8 6.7	7.3 6.6	3.2 2.3	49 37	6.4	7.4 7.9	8.8 9.9	8.1 8.5	2.6
	44	42	5.2	5.7	8.5	8.5	8.1	30	7.1	7.9	10.0	8.9	3.3
	45	32	5.1	5.6	6.7	6.2	1.7	42	6.9	8.0	9.9	9.6	8.0
	46	36	5.1	5.6	7.3	7.2	6.4	30	7.9	8.3	9.5	8.8	2.2
	47	33	4.7	5.2	6.3	6.6	6.3	45	7.5	9.0	10.2	9.0	1.9
	48 49	47 42	4.6 4.6	5.1 5.0	6.1 6.1	5.6 6.4	1.5 3.6	39 56	7.7 7.6	8.9 8.6	10.2 10.5	9.0 9.1	2.0
	50	42	4.1	4.8	9.7	11.0	13.9	38	8.9	10.4	12.0	11.5	4.9
	51	46	4.4	4.9	5.8	5.5	1.7	43	7.9	9.0	11.1	9.8	2.6
	52	37	3.8	4.5	5.4	5.2	2.3	42	9.4	11.5	13.6	13.0	8.6
Ш	53	24	4.0	4.2	4.7	5.3	3.1	16	8.4	10.5	12.4	10.4	2.3

L	35		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me	Time I	Count		Percentil		†	Std.	Count		Percentil			Std.
Έ Y			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2013 Jan	2446 222	2.1	2.3	2.7	2.5	1.0	2417 226	2.9 3.1	3.4	4.0	3.7	1.6
	Feb	196	2.0	2.3	2.5	2.4	0.8	197	3.1	3.7	4.2	3.8	1.3
	Mar	226	1.9	2.2	2.4	2.3	0.8	214	3.2	3.7	4.3	4.0	1.6
	Apr	183	2.0	2.3	2.7	2.4	0.6	176	3.2	3.8	4.4	4.0	1.4
£	May Jun	182 190	2.2	2.3	2.7	2.5 2.5	0.6	178 194	3.0 2.8	3.7 3.4	4.2 3.8	3.8	1.5 1.5
Month	Jul	212	2.0	2.2	2.5	2.4	1.1	220	3.1	3.7	4.3	4.0	2.1
	Aug	225	2.2	2.4	2.7	2.6	1.1	206	2.8	3.2	3.8	3.5	1.5
	Sep	202	2.2	2.5	2.9	2.7	0.8	206	2.7	3.1	3.5	3.3	1.4
	Oct Nov	217 174	2.3	2.5	2.9	2.8	1.4	199 181	2.7	3.1	3.6 3.6	3.3	1.3
	Dec	217	1.8	2.1	2.3	2.2	0.7	220	3.2	3.7	4.4	4.2	2.1
	1	31	2.2	2.4	2.8	2.6	0.5	40	3.0	3.6	4.2	3.6	1.0
	2	48	2.2	2.5	3.1	2.7	0.6	51	2.9	3.3	4.1	3.5	1.1
	3	56	1.9	2.1	2.4	2.3	0.8	44	3.6	4.1	4.8	4.3	1.3
	4 5	54 42	1.9 2.2	2.2	2.7 3.1	2.6 2.9	2.4 1.3	48 57	3.3	3.6 3.4	4.5 4.2	4.1 3.8	1.5 1.2
	6	45	1.8	1.9	2.2	2.2	0.9	37	3.8	4.3	4.7	4.7	1.8
	7	49	2.1	2.3	2.6	2.4	0.4	55	2.9	3.5	3.9	3.6	1.0
	8	55	2.2	2.3	2.6	2.6	0.8	47	3.1	3.4	3.9	3.5	0.8
	9	55 49	2.2	2.3	2.5	2.4	0.5 1.6	58 45	3.0	3.5 3.8	3.9 4.4	3.5 4.3	0.8 1.8
	11	53	1.9	2.2	2.4	2.2	0.3	52	3.2	3.6	4.2	4.0	2.1
	12	50	1.7	1.9	2.3	2.0	0.3	46	3.5	4.0	4.6	4.2	1.2
	13	49	2.0	2.2	2.5	2.2	0.4	51	3.0	3.5	4.0	3.7	1.3
	14	42	2.0	2.2	2.5	2.3	0.4	43	3.0	3.6	4.0	3.7	1.3
	15 16	47 39	2.3 1.9	2.7	2.9	2.8	0.9	42 38	3.3	3.9 4.0	4.8 4.5	4.2	1.5
	17	40	2.0	2.2	2.6	2.3	0.5	45	3.4	3.8	4.2	4.0	1.6
	18	47	2.0	2.2	2.7	2.4	0.5	38	2.9	3.5	3.8	3.8	1.8
	19	37	2.1	2.3	2.7	2.4	0.5	38	3.2	3.8	4.2	3.9	1.1
	20	40 41	2.1	2.3	2.4	2.3	0.4	42 42	3.3	3.8	4.2 4.2	4.0	1.4
	22	45	2.3	2.5	3.0	2.8	0.8	40	2.8	3.5	3.9	3.6	1.9
	23	40	2.1	2.4	2.7	2.6	0.7	53	2.7	3.0	3.7	3.2	0.9
	24	46	2.2	2.5	2.9	2.7	0.6	42	3.0	3.5	4.1	3.7	1.1
	25	47 47	2.0	2.3	2.6	2.3	0.4	47 37	2.9	3.6 3.3	4.3 3.7	3.7	1.2 2.0
Week	26 27	50	2.1	2.3	2.7	2.4	1.9	57	3.1	3.8	4.3	4.0	2.0
>	28	38	1.9	2.1	2.3	2.1	0.3	35	3.2	3.9	4.4	4.0	1.3
	29	54	1.9	2.3	2.6	2.3	0.6	51	3.0	3.6	4.2	3.7	1.2
	30	45	2.1	2.3	2.6	2.4	0.5	50	3.3	3.5	4.1	4.4	3.3
	31 32	60 43	2.2	2.5 2.4	2.8	2.6 2.5	0.5 0.6	49 42	3.1 2.9	3.4	3.8 3.6	3.7	1.5 0.9
	33	49	2.0	2.4	2.7	2.7	2.1	56	2.9	3.2	3.8	3.8	2.0
	34	51	2.2	2.4	2.7	2.5	0.7	45	2.8	3.2	3.8	3.4	1.0
	35	52	2.3	2.4	2.7	2.5	0.4	48	2.7	3.2	3.8	3.5	1.4
	36 37	45 46	2.3	2.5 2.5	3.1	2.8	1.2 0.6	49 47	2.9	3.3	3.7	3.6 3.2	1.4
	38	52	2.3	2.7	2.9	2.7	0.6	43	2.5	2.9	3.4	3.2	1.8
	39	42	2.1	2.5	3.0	2.6	0.6	53	2.7	3.2	3.5	3.3	1.0
	40	52	2.1	2.5	2.8	2.5	0.5	43	2.7	3.0	3.5	3.3	1.3
	41 42	48	2.1	2.4	2.7	2.6	0.8	48	2.8	3.2	3.7	3.5	1.4
	42	56 46	2.3	2.6 2.5	3.0 2.8	2.8	0.8	53 43	2.7	3.0	3.3 3.6	3.1	0.9 1.3
	44	45	2.3	2.7	3.0	3.3	2.6	36	2.7	3.0	3.4	3.4	1.6
	45	37	2.3	2.5	3.0	2.7	0.7	45	2.6	3.1	3.5	3.3	1.2
	46	38	2.3	2.5	2.7	3.0	2.8	35	2.8	3.3	3.5	3.6	1.9
	47 48	38 48	2.2	2.3	2.6	2.4	0.3	49 42	2.8	3.2 3.1	3.8	3.4	0.9
	49	46	2.0	2.3	2.6	2.4	0.6	61	2.9	3.3	3.8	3.6	1.6
	50	44	1.8	1.9	2.2	2.2	1.2	45	3.4	4.0	4.7	4.7	2.5
	51	56	2.1	2.2	2.5	2.3	0.5	52	3.0	3.6	3.9	3.6	0.8
	52	43	1.8	2.0	2.3	2.0	0.4	44 19	3.6	3.9	5.5	5.0	3.1
ш	53	28	1.8	1.9	2.2	2.0	0.3	18	3.3	3.8	4.6	4.1	1.2

L	36		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Juit	Pd.		Т	ravel Tin	ne Estim	ate (hou	ır)		-	Travel Ti	ne Estim	ate (hour	·)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2410	1.2	1.5	2.9	2.6	2.4 3.1	2402	1.7	2.0	3.0	2.6	1.6 1.5
	Jan Feb	213 192	1.2	1.7 1.6	3.8	3.1 2.8	2.6	221 193	1.7	2.3	3.6 3.5	2.8	1.5
	Mar	218	1.2	1.5	3.8	3.0	2.9	211	1.8	2.3	3.3	2.9	1.8
	Apr	184	1.2	1.5	2.8	2.5	2.1	177	1.8	2.3	3.4	2.8	1.5
£	May Jun	180 190	1.2	1.4 1.4	2.3	2.2	1.8 1.8	178 192	1.8	2.2 1.9	3.1 2.5	2.6	1.4
Month	Jul	213	1.2	1.3	2.3	2.2	2.1	218	1.8	2.2	2.7	2.5	1.3
	Aug	222	1.3	1.6	2.7	2.3	1.6	207	1.6	1.9	2.3	2.3	1.3
	Sep	202	1.3	1.6	2.5	2.3	1.7 2.6	208	1.5	1.7	2.1	2.1	1.4
	Oct Nov	213 177	1.3	1.5 1.6	2.9 3.6	2.7 3.1	2.0	197 184	1.5	1.8 1.9	2.3	2.3	1.6
	Dec	206	1.2	1.5	4.0	2.9	2.7	216	1.8	2.3	3.7	2.9	1.9
	1	31	1.3	1.6	2.2	2.5	2.7	39	1.7	2.3	3.2	2.7	1.3
	2	47 50	1.2	1.5 2.6	2.3 5.5	2.2 4.0	1.5 3.6	51 42	1.7 2.1	2.0 3.2	3.2 4.0	2.6 3.3	1.4 1.6
	4	50	1.1	1.5	3.1	3.0	3.1	46	1.8	2.5	3.9	3.2	1.8
	5	43	1.2	1.7	4.5	3.7	3.6	56	1.7	2.1	2.9	2.5	1.3
	6	43	1.1	1.7	3.5	3.2	3.4	37	2.3	3.1	4.2	3.4	1.5
	7 8	50 54	1.1	1.4 1.5	2.0	2.5	2.4	56 47	1.8	2.1	3.5 3.1	2.8	1.6 1.5
	9	54	1.3	1.7	4.4	3.2	2.9	54	1.7	2.2	3.3	2.6	1.4
	10	48	1.1	1.3	1.9	2.2	2.2	45	1.8	2.3	3.4	3.1	2.0
	11	52	1.1	2.0	5.0	3.7	3.7	51	1.7	2.0	3.2	2.7	1.7
	12 13	45 49	1.3	2.2 1.3	4.5 3.7	3.2 2.8	2.4	44 50	1.9 1.9	2.4	3.8	3.1 2.7	2.1 1.5
	14	43	1.2	1.5	3.2	2.3	1.6	45	1.7	2.0	2.7	2.5	1.1
	15	47	1.4	1.7	2.1	2.3	1.9	41	1.8	2.3	3.0	2.6	0.9
	16 17	37 39	1.1	1.4 1.4	3.2	2.6	2.5	38 46	2.2 1.8	2.6	4.2 2.8	3.5 2.5	2.3
	18	49	1.2	1.4	3.2	2.4	1.8	38	1.8	2.5	3.8	2.9	1.3
	19	36	1.2	1.5	2.5	2.4	2.4	38	1.9	2.5	3.4	2.9	1.4
	20	41	1.2	1.5	2.9	2.4	2.1	40	1.9	2.2	2.8	2.7	1.4
	21	41 43	1.3	1.4 1.5	1.7 2.0	1.9 2.0	1.1 1.4	43 38	1.6 1.5	1.9 1.9	2.7	2.5	1.6 0.7
	23	40	1.3	1.4	1.9	1.8	1.0	53	1.5	1.8	2.3	2.3	1.5
	24	47	1.3	1.4	1.8	1.9	1.2	43	1.7	1.9	2.6	2.4	1.2
	25 26	47 45	1.2	1.4	1.7 2.7	2.0	2.2	45 37	1.6	2.2 1.9	2.7	2.5	1.5 0.9
Week	27	49	1.2	1.3	1.7	2.1	2.0	56	1.8	2.2	2.9	2.4	1.0
>	28	40	1.3	1.7	3.6	2.9	2.6	37	2.0	2.3	3.1	3.0	2.2
	29	54	1.2	1.4	1.8	2.3	2.3	51	1.7	2.1	3.1	2.5	1.2
	30	46 61	1.2	1.3	1.8 2.6	1.8	1.0	51 48	1.8	2.0 1.8	2.5	2.2	0.7
	32	43	1.2	1.5	2.6	2.1	1.3	43	1.5	1.8	2.3	2.2	1.1
	33	46	1.3	1.7	2.6	2.3	1.3	55	1.7	1.9	2.7	2.6	1.7
	34 35	50 52	1.3	1.5 1.5	2.6	2.3	1.7 1.9	44 49	1.6 1.5	1.9 1.9	2.1	2.2	1.2
	36	46	1.3	1.7	2.5	2.2	1.4	51	1.6	1.8	2.0	2.1	1.6
	37	44	1.3	1.6	2.4	2.5	2.0	47	1.5	1.7	2.0	2.3	1.7
	38	54	1.3	1.6	2.8	2.2	1.4	47	1.4	1.7	1.9	2.0	1.0
	39 40	41 55	1.3	1.6 1.5	2.6 3.0	2.4	2.0	49 46	1.4 1.5	1.7 1.7	2.1 1.9	2.0	0.9 1.2
	41	47	1.2	1.4	2.1	2.2	1.9	47	1.5	1.7	2.2	2.5	2.0
	42	55	1.4	1.7	3.5	3.2	2.9	51	1.5	1.8	2.7	2.5	2.1
	43	42 45	1.3	1.4	1.7	2.0	1.7	41 36	1.6	1.9	2.7	2.5	1.7
	44 45	45 39	1.3	1.5 1.9	2.8 5.3	3.3	3.7 3.6	36 45	1.6 1.5	1.8 1.7	3.2	2.1	1.0 2.0
	46	38	1.3	1.4	3.0	2.8	2.7	36	1.6	1.8	2.4	2.4	1.3
	47	40	1.2	1.5	3.8	2.8	2.4	51	1.7	2.0	2.5	2.4	1.6
	48	46	1.3	1.6	3.4	2.9	2.5	42	1.7	1.8	2.2	2.4	1.3
	49 50	46 38	1.2	1.5 1.5	3.4	2.8	2.6 2.8	60 43	1.7 2.0	1.9 2.7	3.1 4.6	2.5 3.8	1.2 2.8
	51	53	1.2	1.3	2.8	2.4	1.9	52	1.7	2.0	3.1	2.6	1.9
	52	38	1.1	2.3	6.0	4.2	3.7	43	2.1	2.7	3.7	3.3	1.7
Щ	53	31	1.2	1.4	3.2	2.4	1.9	18	1.9	2.2	2.9	2.8	1.4

L	37		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		-	Travel Ti	me Estim	ate (hour	.)
me l	Time F	Count	F	Percentil	е	†	Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	2464 222	2.2	2.4	2.8	2.7	1.8 0.9	2439 226	3.2	3.8	4.5 4.3	4.0 3.8	1.4 0.9
	Feb	196	2.1	2.3	2.7	2.5	0.9	192	3.3	3.8	4.6	4.0	1.1
	Mar	222	2.2	2.6	3.2	2.9	1.1	214	3.2	3.8	4.8	4.3	1.6
	Apr	183	2.0	2.3	2.8	2.6	1.1	179	3.3	3.9	4.4	4.0	1.1
ŧ	May Jun	181 194	2.1	2.3	2.7	2.8	4.9 0.8	183 191	3.3	3.8	4.5 4.5	4.0 3.9	1.0
Month	Jul	217	2.1	2.3	2.7	2.6	2.1	225	3.2	3.7	4.3	4.0	2.0
	Aug	231	2.3	2.6	3.0	2.8	1.7	214	3.3	3.9	4.7	4.3	2.2
	Sep	206	2.3	2.6	3.0	2.8	0.8	208	3.2	3.8	4.5	4.1	1.6
	Oct	218 177	2.3	2.7	3.2 2.9	2.9	1.6 0.7	204 185	3.3	3.9	4.7	4.0 3.8	0.9
	Dec	217	2.0	2.3	2.6	2.4	1.1	218	3.3	3.9	4.7	4.3	1.7
	1	33	2.3	2.3	2.6	2.6	1.3	37	3.2	3.7	4.1	3.6	0.8
	2	48	2.2	2.4	2.8	2.7	1.3	52	3.2	3.7	4.4	3.9	1.1
	3	55 51	2.0 1.8	2.2	2.4	2.2	0.4	44 48	3.6	4.2 3.7	4.9 4.2	4.3 3.6	1.0 0.7
	5	45	2.0	2.3	2.7	2.4	0.5	56	3.1	3.7	4.1	3.7	0.9
	6	42	1.9	2.1	2.3	2.1	0.3	38	3.3	3.6	3.8	3.6	0.6
	7	50	2.0	2.3	2.6	2.3	0.4	55	3.1	3.6	4.1	3.6	0.8
	8	55 55	2.1	2.4	2.7 3.5	2.4 3.2	0.3 1.4	48 53	3.2 4.0	3.8 4.7	4.3 5.4	3.8 4.8	0.8 1.2
	10	50	2.3	2.7	3.2	2.9	0.9	47	3.2	3.8	4.5	4.0	1.1
	11	51	2.3	2.8	3.7	3.3	1.5	51	3.7	5.1	7.1	5.4	2.2
	12	45	2.2	2.6	3.2	2.8	1.0	47	3.4	4.0	4.6	4.3	1.3
	13 14	52 43	2.1 2.1	2.4	2.6 3.0	2.5	0.7 1.8	48 46	3.0	3.4 4.0	3.8 4.4	3.5	0.9
	15	46	2.1	2.5	2.9	2.7	0.9	41	3.3	3.8	4.3	3.8	0.7
	16	39	1.9	2.3	2.5	2.3	0.5	38	3.2	3.7	4.4	4.0	1.1
	17	41	1.9	2.2	2.6	2.3	0.6	48	3.3	4.0	4.9	4.3	1.6
	18 19	46 35	2.2	2.5	2.8	2.6	0.6 0.5	37 39	3.1	3.7	4.0	3.7	0.9
	20	42	2.0	2.3	2.4	2.4	0.5	42	3.2	3.6	4.3	3.8	1.0
	21	42	2.1	2.4	2.6	2.4	0.4	44	3.4	3.7	4.3	3.9	1.0
	22	44	2.3	2.7	2.9	4.2	9.8	41	3.5	4.5	5.2	4.4	1.1
	23 24	42 46	2.3	2.7	3.0	2.7	0.6 1.4	52 42	3.1	3.8 4.1	4.5 4.5	3.8 4.0	1.0 0.9
	25	47	2.1	2.3	2.5	2.3	0.4	46	2.9	3.5	4.0	3.6	1.1
¥	26	46	2.2	2.5	2.6	2.5	0.4	37	3.3	3.8	4.3	3.9	0.8
Week	27	50	2.2	2.4	2.8	2.5	0.5	56	3.3	3.7	4.3	3.7	0.8
	28 29	40 56	2.0	2.2	2.4	2.4	0.8	38 57	3.0	3.3	4.0	3.8	1.3
	30	48	2.3	2.7	3.2	2.7	0.6	50	3.2	3.8	4.6	4.7	3.6
	31	58	2.3	2.6	3.0	3.2	3.9	46	3.3	3.8	4.5	3.8	0.8
	32	45 52	2.3	2.6	3.1 2.9	3.0	1.1 3.3	46 56	3.2	4.0	4.5 5.3	4.7 4.5	3.8 1.5
	34	50	2.2	2.5	2.8	3.1 2.6	0.4	56 45	3.5	4.0	4.6	4.5	1.5
	35	56	2.2	2.5	2.9	2.6	0.8	53	3.2	3.6	4.9	4.1	1.4
	36	47	2.2	2.4	2.9	2.5	0.5	49	3.2	3.9	4.5	4.0	0.9
	37 38	44 54	2.3	2.6	2.9 3.1	2.7	0.7	48 47	3.3	3.8	5.0 4.0	4.4 3.6	2.0 0.8
	39	44	2.4	2.7	3.1	3.0	1.1	52	3.3	3.6 3.9	4.0	4.3	2.2
	40	55	2.3	2.8	3.5	3.0	0.9	45	3.2	3.7	4.3	3.9	1.0
	41	47	2.3	2.6	3.1	3.1	2.5	46	3.1	3.6	4.7	3.9	1.2
	42 43	56 45	2.5	2.9 2.5	3.4 2.8	3.1 2.5	1.0 0.4	52 45	3.5	4.1 3.8	4.5 4.6	4.1	0.9 1.1
	44	45	2.2	2.4	2.8	2.8	2.0	35	3.4	3.9	4.4	4.0	1.3
	45	40	2.6	3.0	3.7	3.2	1.0	47	3.2	3.9	4.7	4.2	1.2
	46	38	2.2	2.5	2.8	2.6	0.5	36	3.1	3.7	4.3	3.7	0.8
	47 48	40 46	2.1	2.4	2.7	2.5	0.5 0.4	50 45	3.3	3.6 3.6	4.2 4.2	3.7	0.7
	49	49	2.1	2.3	2.6	2.4	0.4	60	3.5	3.8	4.8	4.2	1.2
	50	43	2.0	2.3	2.7	2.6	1.8	43	3.1	4.0	4.5	4.3	1.5
	51	54	2.1	2.3	2.6	2.6	1.0	52	3.3	3.8	4.8	4.2	1.5
	52 53	41 30	1.8 1.9	2.1	2.5	2.2	0.4	45 18	3.3	3.9 3.9	4.9 4.6	4.7 3.9	2.5 0.7
Ш	JJ	50	1.8	۷.۱	۷.ن	۷.۵	0.0	10	٥.٥	3.8	4.0	ა.ყ	0.7

	<b>Time Pd</b> .	Count	Ti	wnstrea ravel Tin							n Directio		
Υ 2	Time	unt	-			ate (not	ir)		7	Travel Ti	me Estim	ate (nour	·)
Υ 2		_		Percentil	е		Std.	Count	F	Percentil	e		Std.
	2013		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
	Jan	2287 205	0.6	0.7	0.8	0.9	0.9	2339	0.8	1.0	1.3 1.2	1.3	0.8
	Feb	177	0.5	0.6	0.8	0.8	0.7	184	0.9	1.1	1.3	1.2	0.7
	Mar	202	0.5	0.6	0.8	0.9	1.0	206	0.9	1.1	1.3	1.3	0.7
	Apr	170	0.6	0.7	0.8	0.9	0.9	170	0.9	1.1	1.3	1.3	0.8
	May Jun	170 175	0.6	0.7	0.8	1.0 0.9	1.0 0.9	177 179	0.8	1.0	1.3	1.2	0.8
Month	Jul	200	0.5	0.6	0.8	0.9	0.8	215	0.9	1.1	1.3	1.2	0.8
	Aug	217	0.6	0.7	0.8	1.0	1.0	203	8.0	1.0	1.2	1.2	0.8
	Sep Oct	194 210	0.6	0.7	0.8	1.0 0.9	1.0 0.8	202 195	0.8	0.9	1.1	1.2	0.9 1.0
I F	Nov	166	0.6	0.7	0.8	1.0	1.0	178	0.8	1.0	1.3	1.3	0.8
	Dec	201	0.5	0.6	0.8	0.9	0.9	213	0.9	1.1	1.5	1.5	1.2
-	1	31	0.5	0.7	0.8	0.9	0.7	35	0.8	0.9	1.1	1.1	0.6
▎▐	2	45 50	0.6	0.7 0.6	0.8	0.8	0.5	52 43	0.8	1.0 1.2	1.2 1.4	1.1	0.5
lt	4	47	0.5	0.6	0.7	0.9	1.1	44	0.9	1.1	1.4	1.3	0.7
	5	40	0.5	0.6	0.8	0.7	0.3	56	0.9	1.0	1.2	1.1	0.6
-	6 7	34 44	0.5	0.5 0.6	0.8	0.7	0.6	33 53	1.0 0.8	1.2 1.1	1.6 1.2	1.4	0.6
╽┟	8	53	0.5	0.6	0.8	0.9	1.0	47	0.9	1.0	1.2	1.1	0.7
[	9	54	0.5	0.6	0.8	1.0	1.1	50	0.9	1.1	1.2	1.2	0.6
-	10 11	45 44	0.5	0.7	0.8	0.9	0.6	44	0.9	1.1	1.4	1.4	1.0
▎▐	12	41	0.5	0.6	0.8	1.0	1.1 1.2	49 47	0.9 1.0	1.0	1.3 1.5	1.3	0.7
	13	48	0.5	0.6	0.8	0.8	0.7	46	0.9	1.0	1.1	1.1	0.5
	14	41	0.5	0.7	0.8	0.7	0.5	45	0.9	1.0	1.1	1.1	0.8
▎┟	15 16	41 37	0.6	0.7	0.8	0.9	0.8	38 36	0.9 1.0	1.2 1.2	1.4 1.5	1.4	1.0
╽┟	17	38	0.5	0.7	0.8	1.1	1.3	47	1.0	1.1	1.3	1.3	0.5
	18	45	0.6	0.6	0.8	0.9	0.9	37	0.9	1.0	1.2	1.1	0.5
l ⊦	19	32	0.6	0.7	0.8	0.9	0.7	35	0.9	1.0	1.2	1.2	0.8
╽┟	20	39 41	0.5	0.6	0.8	1.0	1.1	39 42	0.8	1.1	1.4 1.4	1.5	1.2 0.8
	22	41	0.6	0.7	0.8	0.9	0.8	42	0.8	0.9	1.1	1.0	0.4
╽┟	23	38	0.6	0.8	0.9	1.2	1.2	49	0.8	0.9	1.1	1.1	0.5
╽┢	24 25	44 38	0.5 0.5	0.6	0.8	0.9	1.0 0.5	38 44	0.9	1.1	1.8 1.2	1.6 1.3	1.1
ا ∡ا	26	41	0.5	0.6	0.8	0.7	0.4	34	0.9	1.0	1.2	1.3	0.9
Week	27	44	0.5	0.7	0.8	1.1	1.2	54	0.9	1.0	1.3	1.2	0.8
ľ	28 29	39 51	0.5	0.6	0.8	0.8	0.7	36 54	1.0 0.8	1.1	1.3	1.3	0.8
╽┟	30	46	0.6	0.6	0.8	0.8	0.6	49	0.9	1.1	1.3	1.1	0.4
	31	51	0.6	0.7	0.8	0.8	0.5	43	0.8	0.9	1.1	1.2	0.8
-	32	45 46	0.6	0.7	0.8	0.9	1.0	43	0.8	0.9	1.1	1.3	0.9
╽┠	33 34	46	0.6	0.6 0.7	0.8	1.1	1.1	53 44	0.9	1.0 0.9	1.3 1.1	1.3	0.8
lţ	35	55	0.6	0.6	0.8	0.9	0.9	50	0.8	1.0	1.3	1.3	0.8
	36	44	0.6	0.7	0.8	0.8	0.6	49	0.8	0.9	1.0	1.2	0.8
-	37 38	43 52	0.6	0.7	0.8	1.1	1.2 1.1	46 45	0.8	0.9	1.1	1.2	1.1 0.7
	39	43	0.6	0.7	0.8	0.9	0.8	51	0.8	0.9	1.1	1.2	0.9
[	40	53	0.6	0.8	0.9	1.0	0.7	42	0.8	0.9	1.1	1.2	0.9
-	41 42	44 58	0.6	0.7	0.8	1.0	0.9	44 52	0.8	0.9	1.0 1.2	1.1	0.9 1.3
	43	40	0.6	0.7	0.8	0.8	0.8	43	0.8	0.9	1.2	1.4	0.8
	44	40	0.6	0.7	0.8	0.9	0.9	31	0.8	0.9	1.0	1.0	0.3
	45	37	0.6	0.7	0.8	0.9	0.5	46	0.8	1.0	1.3	1.3	0.8
╽┟	46 47	34 39	0.6	0.7 0.6	1.0 0.8	1.2	1.1	36 49	0.8	0.9	1.4 1.2	1.4	1.1 0.6
	48	43	0.6	0.7	0.8	0.9	0.8	41	0.9	1.0	1.2	1.2	0.8
[	49	46	0.6	0.7	0.9	1.0	1.2	60	0.8	1.0	1.3	1.5	1.3
-	50 51	41 51	0.5	0.5 0.6	0.6	0.8	1.0 0.9	42 50	1.0 0.9	1.2	1.6 1.3	1.9	1.5
╽┟	52	39	0.5	0.6	0.8	0.9	0.9	44	1.0	1.3	1.6	1.5	0.9
	53	24	0.5	0.6	0.8	0.8	0.7	17	1.0	1.2	1.3	1.2	0.3

L	39		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-	Pd.			ravel Tin			ır)				me Estim		)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	F	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	1507 151	7.3 7.1	8.5 8.3	10.9	16.2 11.9	21.4 13.8	1447 146	11.7 11.7	14.4 14.4	19.2 18.6	21.5 16.1	20.6 7.5
	Feb	118	6.9	7.9	9.2	15.2	22.0	118	12.3	14.4	18.6	22.6	22.0
	Mar	141	6.6	7.7	9.6	16.0	22.1	124	11.9	15.0	18.9	22.5	21.3
	Apr	115	7.4	8.7	11.0	17.5	21.8 25.7	104	12.9	15.6	19.4	23.3	22.2
ţ.	May Jun	110 122	7.8 7.3	9.5 8.6	13.1 11.9	20.1 18.0	23.3	127 137	11.7 11.2	14.6 14.0	19.6 18.7	22.1 22.5	22.1
Month	Jul	163	7.0	7.9	10.8	16.1	21.4	152	11.9	14.3	18.5	18.8	16.7
	Aug	159	7.8	8.8	11.0	16.6	20.6	145	11.3	13.0	17.7	20.1	20.2
	Sep Oct	112 108	7.9 8.0	9.3 9.2	10.9 13.6	13.9 18.1	16.7 22.6	114 89	11.1 11.1	14.0 13.8	19.3 18.2	24.9 21.4	26.0 21.6
	Nov	87	7.5	8.3	10.0	15.2	21.0	74	11.5	13.0	26.6	27.5	27.7
	Dec	121	6.7	7.8	10.1	17.0	23.6	117	12.6	16.3	21.2	21.3	16.4
	2	29 37	7.1 7.6	8.7 9.1	10.6 11.3	11.0 12.2	11.0 12.0	29 42	11.3 11.4	15.1 13.7	19.3 16.3	17.2 15.4	11.5 6.7
	3	31	6.8	7.5	8.3	8.1	2.2	23	13.1	17.1	22.3	17.9	6.3
	4	32	6.7	7.5	10.2	14.2	19.3	25	12.6	14.4	21.4	17.0	6.6
	5 6	27 25	7.4 5.9	8.5 6.5	10.6 8.6	13.6 19.5	16.6 29.2	33 32	11.8 14.9	14.0 17.3	16.3 22.6	15.3 24.4	7.6 21.7
	7	28	6.8	7.9	9.2	12.4	15.8	28	13.0	14.7	17.6	21.8	20.8
	8	34	7.4	8.0	8.6	14.0	19.3	29	12.4	13.7	17.5	23.3	22.2
	9	37	7.1	8.2	9.8	14.6	20.6	34	11.8	13.7	15.7	24.3	27.8
	10	35 31	7.0 6.2	7.8 7.4	9.6	16.1 17.7	22.7 22.7	27 22	12.4 11.8	14.2 13.9	18.3 15.4	19.8 17.5	16.8 11.8
	12	26	6.4	7.4	9.0	18.6	26.4	26	12.3	16.0	18.7	19.6	15.2
	13	34	6.7	7.5	9.9	15.6	21.6	33	11.9	15.5	23.0	28.2	27.3
	14 15	21 32	7.4 8.0	8.5 9.3	10.3 10.5	17.5 13.8	22.6 13.8	27	11.8 12.7	14.7 14.3	15.8 17.9	20.6 18.7	19.3 18.3
	16	24	6.6	8.4	9.9	18.0	22.1	29	14.9	17.2	20.9	25.1	23.8
	17	26	7.4	8.8	16.4	22.9	28.4	23	13.8	17.8	23.3	26.8	23.2
	18 19	31 26	6.9 9.3	8.0 10.2	9.9	13.4 16.8	19.0 19.4	27 32	11.4 11.6	13.2 13.9	16.1 19.6	16.9 19.5	15.0 15.9
	20	24	7.5	9.5	59.4	28.4	31.6	25	12.3	15.3	27.0	26.7	24.5
	21	23	8.5	9.2	12.5	19.7	25.5	27	12.9	15.1	17.2	20.4	15.5
	22	30	8.2	9.4	13.2	17.2	22.2	37	11.3	15.3	20.8	28.1	28.6
	23 24	27 27	8.0 7.9	9.4 9.5	12.0 12.8	17.2 19.1	22.0 23.6	33 25	10.5 11.3	13.9 12.9	18.3 16.6	20.5	18.2 21.7
	25	32	7.0	8.1	11.1	17.3	22.0	34	11.6	15.3	17.3	22.6	21.7
¥	26	25	7.1	8.3	10.4	22.2	29.1	30	10.9	14.0	23.2	25.3	24.6
Week	27 28	33 31	7.2 6.5	8.4 7.3	11.2 15.6	16.4 24.8	19.4 32.0	36 30	11.4 13.4	14.8 15.6	17.6 18.8	15.2 22.5	5.1 20.5
	29	40	7.2	7.9	10.7	10.6	10.4	34	11.4	14.5	18.5	19.2	16.7
	30	33	7.0	7.7	9.5	16.4	21.4	35	11.7	14.0	17.0	16.7	14.5
	31 32	49 41	7.4 8.0	8.5 8.9	10.2 10.7	11.8 17.1	12.5 22.2	34 38	11.7 10.9	13.6 12.5	17.6 15.1	19.0 20.6	18.6 23.6
	33	31	7.3	7.9	9.7	12.7	16.4	37	11.1	13.6	20.1	19.7	17.6
	34	32	7.9	10.2	14.4	22.8	25.6	30	11.5	12.6	17.0	22.3	23.5
	35 36	35 30	7.9 7.8	9.1 9.5	10.6 10.6	17.2 10.5	20.9 6.9	27 33	11.7 12.2	13.6 15.1	20.1 18.0	20.0	18.5 20.8
	37	20	8.4	9.5	10.6	15.5	18.0	27	10.0	12.8	20.1	23.9	25.7
	38	32	8.3	9.4	10.3	16.1	21.3	24	11.7	15.7	61.4	33.8	33.0
	39	24	7.8	9.3	12.2	15.3	18.5	22	11.1	13.0	17.0	25.0	25.8
	40	30 31	8.0	9.0	11.4 14.2	16.7 17.5	22.0 21.5	28 27	10.1 10.5	11.5 14.3	16.1 19.4	19.3 17.2	18.4
	42	24	8.2	10.6	17.0	18.4	19.9	18	11.7	14.0	16.9	23.4	24.2
	43	13	8.2	8.9	12.2	27.6	34.0	11	10.7	14.3	18.8	20.4	20.6
	44 45	18 22	7.7 7.7	8.7 8.6	9.7	9.8 12.5	3.6 14.9	18 22	12.6 10.4	15.6 11.9	16.9 17.9	26.4 20.4	28.0 22.9
	46	13	7.7	8.0	8.5	12.1	13.1	11	12.6	13.1	78.5	42.6	35.9
	47	28	7.7	8.2	10.7	16.9	24.2	21	11.6	12.7	30.0	30.0	29.9
	48 49	22 36	7.5 7.2	8.0 9.3	9.1 12.4	18.1 18.9	25.4 25.4	15 29	14.0 11.0	15.6 14.3	34.3 19.0	27.7 19.4	22.6 15.9
	50	27	6.5	7.2	16.1	19.4	25.7	28	12.9	17.9	21.3	19.9	12.5
	51	29	6.7	8.3	9.0	10.3	11.3	31	12.3	14.9	23.0	25.7	22.9
	52 53	20 9	6.1	7.5 8.1	20.4	23.8	31.0	21 8	14.8	18.6	22.3	21.5	10.6
ш	ეკ	Э	7.2	8.1	9.6	8.4	1.9	8	12.5	15.7	17.3	15.2	2.8

L	40		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Init	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)					ate (hour	.)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	F	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	1021 154	5.1 5.1	5.8 5.8	7.1	10.8 8.4	15.0 10.9	890 136	7.4 7.5	8.8	10.7	13.0	13.7 9.8
	Jan Feb	54	4.7	5.4	7.0	13.2	19.0	44	8.8	10.3	10.8 11.8	11.1 13.6	12.1
	Mar	80	4.7	5.5	6.8	13.9	19.4	74	8.3	9.3	11.4	12.3	12.1
	Apr	45	5.5	6.1	7.2	7.2	5.2	32	8.6	9.8	11.2	14.4	14.5
£	May Jun	91 112	4.9 5.3	5.8 6.1	7.4 7.2	10.0	13.8 18.2	87 94	7.5 7.2	8.6 8.3	9.8 9.5	10.3 12.3	8.0 14.3
Month	Jul	115	4.7	5.3	6.2	8.2	11.3	112	7.8	9.2	11.2	14.0	13.9
	Aug	115	5.5	6.0	7.1	12.0	16.4	99	7.2	8.4	10.1	14.4	15.7
	Sep	80	5.5	6.3	7.9	11.7	14.6 14.9	71	6.5	8.0	9.4	15.3	18.3 15.4
	Oct Nov	67 37	5.6 5.6	6.5 6.0	7.3 8.3	11.5 11.9	15.3	51 29	6.9 7.4	8.2 8.9	9.4 9.8	13.7 12.2	13.4
	Dec	71	4.7	5.3	6.6	10.8	15.0	61	7.7	9.0	12.2	14.7	15.5
	1	34	5.0	5.8	6.8	6.3	1.9	35	7.5	8.8	9.9	9.0	2.3
	3	43 35	5.6 4.9	6.3 5.3	7.3 6.1	8.8 8.9	11.0 12.8	47 23	7.2 10.0	8.2 12.4	9.5 13.7	8.3 15.2	1.8
	4	23	4.8	5.4	6.4	9.4	13.0	17	7.9	8.9	12.1	14.7	14.8
	5	21	5.3	5.7	7.3	8.9	12.3	18	7.8	8.6	11.0	13.8	14.9
	6	19	4.0	4.6	5.3	7.7	12.5	14	10.6	12.0	14.9	16.3	11.7
	7 8	9 10	5.8 5.8	9.2 6.0	60.5 37.0	29.9	26.9 23.4	7 9	9.3 8.8	9.8	10.2 10.7	9.3 13.5	1.6 11.2
	9	22	5.2	5.4	6.7	8.1	11.3	13	7.3	8.8	9.7	13.1	15.6
	10	16	5.4	6.0	6.4	15.0	20.0	15	8.8	9.3	11.7	13.5	14.4
	11	13	4.7	5.1	5.7	5.3	0.8	15	8.3	8.7	9.8	11.6	9.9
	12 13	15 26	4.4	6.2 5.2	8.7 16.8	16.0 17.4	20.8 22.5	12 25	9.0 8.3	10.1 9.2	12.2 11.6	10.4 14.1	2.2 15.3
	14	11	5.4	6.3	7.0	6.4	1.2	11	7.5	8.6	9.0	13.6	17.1
	15	24	5.5	6.0	7.2	7.8	7.0	13	9.0	10.8	10.9	13.4	12.2
	16 17	7	6.0	6.8	7.4	6.7	1.0	9	10.1	11.5	13.9	15.9	13.5
	18	17	4.7	5.6	6.3	8.9	13.1	12	7.5	8.5	9.1	12.2	14.0
	19	22	4.7	5.8	7.0	11.0	16.9	27	7.7	8.5	9.8	10.0	7.0
	20	17	4.9	5.7	6.9	9.7	11.9	19	7.7	9.0	9.6	9.1	1.9
	21	22 25	4.8 5.8	6.0 6.6	8.1 8.4	9.5 11.3	12.2 15.9	16 23	7.0 6.4	8.4 8.2	9.9 9.7	10.0 9.5	7.0 6.9
	23	22	5.8	6.3	8.3	13.0	17.0	24	7.1	8.7	9.8	15.6	19.1
	24	28	5.5	6.3	7.6	10.6	15.0	17	7.6	8.0	9.3	14.3	17.0
	25 26	26 21	4.8 5.4	5.5 6.3	6.6 8.9	10.6 18.6	15.1 22.7	25 19	7.4 7.4	8.4 8.9	9.5 10.0	10.4 11.3	8.6 12.5
Week	27	35	4.8	5.4	6.7	8.9	13.2	30	7.5	9.0	12.6	16.5	17.7
>	28	23	4.8	5.3	5.8	8.2	9.7	22	9.0	10.5	11.0	12.1	8.9
	29	28	4.3	5.1	5.9	5.9	4.7	33	7.3	9.0	9.8	10.8	7.6
	30	22 32	5.0	5.6 6.2	6.7 7.5	10.8 8.2	16.4 9.6	22	8.1 8.3	9.3 8.9	12.7 11.8	18.4 15.4	18.6 13.6
	32	26	5.4	6.1	7.0	11.9	17.4	27	7.1	8.0	8.7	13.9	16.8
	33	21	5.6	6.0	38.7	19.6	22.3	24	7.1	8.6	9.9	8.5	1.9
	34	24	5.2	5.9	6.5	9.6	13.9 15.2	20	6.6 8.1	7.9	17.9 10.7	18.2 15.6	19.4
	35 36	27 19	5.5 5.5	5.8 6.4	6.5 9.8	11.1	16.2	15 25	8.1 6.9	8.8	10.7 10.7	15.6	17.1 16.6
	37	18	5.5	6.0	6.6	8.2	6.8	16	6.6	7.7	8.9	13.7	16.9
	38	22	5.3	6.5	8.4	14.7	19.5	12	7.3	7.7	11.5	15.9	17.8
	39 40	13 30	5.4 5.4	7.0 6.2	12.0 7.4	12.0 9.7	13.2 13.1	20	7.5 5.9	8.0 7.9	8.9 9.6	18.1 16.9	22.3 19.7
	41	17	5.1	5.8	6.6	7.0	3.3	18	6.9	8.4	9.5	9.1	4.0
	42	13	6.2	6.8	8.4	12.7	13.6	7	6.5	6.7	7.5	7.0	0.8
	43	6	6.5	6.8	7.1	14.2	17.1	7	7.2	8.3	11.2	13.3	11.7
	44 45	10 11	6.0 5.8	6.4 6.5	6.8 8.0	17.1 11.7	21.9 15.7	8 4	7.5 6.9	8.8 7.3	21.7 7.8	21.4 7.5	23.7 0.9
	46	3	7.1	8.5	18.1	14.0	9.7	5	8.3	8.7	9.2	8.9	1.0
	47	7	5.8	6.8	8.5	7.2	1.6	4	8.2	8.8	9.5	8.9	1.5
	48	15	5.3	5.7	6.5	14.2	18.9	14	8.4	9.0	10.1	16.4	18.7
	49 50	16 21	5.1 4.7	6.2 4.9	8.9 5.9	13.0 8.5	17.0 13.0	16 21	7.1 8.5	8.0 10.4	9.1 13.3	8.6 17.2	2.6 17.0
	51	15	5.1	5.9	31.2	18.3	20.3	10	6.6	8.3	9.9	18.4	21.8
	52	7	5.0	5.1	5.4	5.2	0.4	8	11.3	14.9	15.4	19.2	17.6
Щ	53	12	4.4	4.9	5.8	5.9	3.5	6	9.0	9.7	10.6	10.5	2.4

L	41		Do	ownstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		-	Travel Ti	me Estim	ate (hour	.)
me l	Time F	Count	F	Percentil	е	f	Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	1936 212	2.1	2.5	3.4	3.4 2.9	4.9 1.4	1854 213	2.8	3.3	4.3 4.1	4.1 3.6	4.5 1.3
	Feb	61	1.9	2.6	3.8	4.8	10.5	56	2.9	3.5	4.3	4.8	8.2
	Mar	159	1.9	2.3	2.8	3.9	8.8	140	2.7	3.2	4.2	3.6	1.4
	Apr	101	2.0	2.4	3.1	2.7	1.0	93	2.7	3.4	4.2	3.6	1.2
£	May Jun	173 171	1.9 2.1	2.3	2.9 3.3	3.0	5.0 3.6	171 168	2.7	3.2	3.7 4.1	3.3	1.0
Month	Jul	176	1.9	2.3	3.1	2.8	3.4	166	2.8	3.2	3.8	3.6	3.9
	Aug	183	2.2	2.8	4.1	4.1	5.6	170	2.9	3.6	4.7	4.3	4.0
	Sep	180	2.3	2.8	3.8	3.2	1.4	184	2.8	3.4	4.4	3.9	2.7
	Oct Nov	196 148	2.3	2.9	3.9	3.7	4.3 1.4	176 157	2.9	3.7	4.9 3.9	5.3 3.8	7.5 4.5
	Dec	176	2.3	2.5	3.6	4.0	6.9	160	3.1	3.8	5.5	5.8	8.6
	1	34	1.9	2.3	3.0	2.9	1.5	38	2.9	3.2	4.0	3.6	1.1
	2	43	2.2	2.9	3.7	3.2	1.4	51	2.6	3.1	4.0	3.7	1.6
	3	55	2.0	2.3	2.9	2.5	0.8	40	2.6	3.4	4.0	3.5	1.0
	4 5	45 45	1.8 2.1	2.3	3.2 3.5	2.7 3.1	1.4 1.7	45 48	2.7	3.2 3.5	3.8 4.4	3.3	0.9 1.6
	6	21	1.7	1.9	2.3	2.5	2.2	18	3.3	3.6	3.9	3.6	0.5
	7	3	3.4	4.1	34.5	23.9	29.0	6	3.0	3.5	5.6	4.1	1.6
	8	6	2.9	3.0	3.5	3.3	0.6	9	3.8	4.3	5.2	10.9	19.3
	9	28 28	2.3 1.8	3.1 2.2	4.0 2.7	5.2 4.3	10.1	20 26	2.9	3.7 3.1	4.4	3.8	1.1 0.9
	11	29	1.9	2.3	2.7	6.9	16.9	20	2.6	2.8	3.3	3.1	0.7
	12	36	1.8	2.1	2.7	2.4	1.0	34	2.6	3.3	3.9	3.4	1.1
	13	50	1.9	2.4	3.3	3.1	2.1	47	2.7	3.3	5.0	4.0	1.9
	14	48	1.9	2.3	2.8	2.7	1.4	48	2.6	3.5	4.6	3.7	1.3
	15 16	41 13	2.3	2.7 3.2	3.1 4.2	2.7 3.3	0.6 1.3	31 17	3.2	3.2	3.9 4.1	3.4	1.0
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	30	1.9	2.2	2.7	2.6	1.1	25	2.4	2.8	3.6	3.1	0.9
	19	31	1.9	2.4	2.7	4.5	11.3	36	2.6	3.3	3.7	3.2	0.7
	20	39 44	2.0 1.9	2.3	2.8	2.5	0.8 1.3	33 46	2.7	3.3 3.1	4.0 3.8	3.4	1.0
	22	45	2.1	2.3	2.9	2.8	1.3	45	2.6	3.2	3.8	3.3	0.9
	23	29	2.3	2.5	3.3	4.2	7.2	41	2.8	3.8	4.6	3.9	1.3
	24	46	2.1	2.6	3.3	2.8	0.9	34	2.9	3.2	3.8	3.3	0.7
	25	41 39	2.0	2.3	2.7 3.6	2.5 3.6	0.7 4.0	40 39	2.7	3.0	3.7 4.0	3.2	0.8 1.2
Week	26 27	47	2.0	2.9	3.0	2.7	0.7	39 45	2.6	3.3	3.9	3.3	0.9
>	28	35	1.9	2.1	2.9	2.3	0.7	44	2.9	3.2	3.8	3.4	0.8
	29	48	2.0	2.4	2.9	2.5	0.8	43	2.7	3.1	3.8	4.4	7.5
	30	38	2.0	2.5	3.5	4.0	7.1	27	2.5	3.0	3.3	3.2	1.2
	31 32	42 31	2.1	3.0 2.8	4.7	3.5 7.0	1.5 12.2	27 33	2.9	3.8	4.5 3.7	4.0 3.5	1.3
	33	37	2.2	3.3	5.2	4.0	2.3	42	3.2	4.6	6.2	5.3	3.2
	34	38	2.1	2.5	3.2	3.4	3.6	36	2.8	3.2	3.8	4.7	7.7
	35	51	2.0	2.6	3.5	2.9	1.0	43	3.1	3.8	4.5	3.8	1.0
	36 37	42 41	2.0	3.0 2.5	3.7	3.0	1.1 1.2	51 37	3.0 2.8	3.8	5.0 3.9	3.9	1.2
	38	43	2.5	3.1	3.9	3.5	1.6	38	2.6	4.0	5.0	4.5	2.5
	39	40	2.3	2.9	3.7	3.3	1.6	45	2.8	3.1	4.1	4.1	4.7
	40	49	2.3	2.9	3.8	4.4	7.9	39	2.6	3.2	4.0	3.4	1.2
	41 42	46 52	2.3	2.7	4.0	3.3	1.3	51 41	3.0	3.7	5.3	5.3	6.7
	42	52 40	2.8	3.6 2.6	4.3 3.6	3.9	1.9 1.7	38	3.0	3.8	4.7 5.4	4.3 5.8	2.0 9.4
	44	36	2.2	2.4	3.5	3.4	2.3	33	3.2	3.7	5.0	6.8	11.0
	45	38	2.3	2.7	4.1	3.6	2.0	36	2.6	3.1	3.8	4.8	9.1
	46	27	2.1	2.5	3.0	2.6	0.6	27	2.8	3.3	4.0	3.5	0.9
	47 48	32 38	2.3	2.7	3.7	2.9 3.0	0.8 1.2	40 41	2.8	3.2	3.8 4.3	3.3	0.7
	49	51	2.3	3.2	6.0	4.1	2.1	51	3.6	4.8	8.0	6.1	2.9
	50	38	1.9	2.3	3.0	4.3	9.9	35	2.9	3.8	4.4	7.5	13.7
	51	28	2.2	2.4	2.7	2.5	0.6	24	2.9	3.3	4.0	3.5	1.0
	52	37	1.8	2.2	3.6	4.7	9.8	34 16	3.2	3.8	4.5	5.9	11.3
ш	53	22	2.1	3.0	3.4	4.3	5.8	16	2.9	3.5	3.9	4.5	3.7

L	42		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	ne Estim	ate (hour	)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1786	5.3	6.2	7.8	8.4	8.1	1728	8.3	9.8	11.6	11.0	7.0
	Jan Feb	207 128	5.1 5.3	6.0 6.1	8.2 7.9	7.7 9.3	6.5 10.9	210 127	8.5 9.0	10.0 10.7	11.8 12.7	10.2 12.2	8.0
	Mar	166	4.9	5.8	8.6	9.0	9.4	156	8.9	10.7	12.1	12.0	8.6
	Apr	22	5.0	5.7	6.2	6.1	1.6	25	8.3	9.8	12.2	14.5	11.7
_	May	104	5.3	6.1	7.5	9.4	10.0	110	8.4	10.0	11.2	9.9	2.3
Month	Jun	142	5.5	6.3	7.6	7.9	6.6	150	8.2	9.8	11.4	11.8	9.3
Σ	Jul Aug	165 178	5.0 5.6	5.6 6.4	7.0 7.6	7.7 8.0	8.3 8.0	137 163	9.1 8.2	10.3 9.2	11.7 10.8	10.4 11.6	9.5
	Sep	177	5.7	6.5	7.9	8.6	8.6	186	7.6	8.9	10.0	9.7	6.3
	Oct	188	5.8	6.5	8.5	8.8	7.5	167	7.8	9.1	10.7	10.3	6.3
	Nov	139	5.7	6.5	9.4	8.6	5.8	146	7.9	9.0	11.1	10.7	8.5
	Dec	170	4.9	5.5	7.2	7.9	7.1	151	8.8	10.8	13.4	11.8	5.4
	2	32 43	5.3	6.1	6.9	6.3 7.7	1.4 3.1	37 50	8.2 8.4	9.5	10.9	9.6	2.2
	3	43 56	5.5 4.8	6.9 5.8	8.7 7.8	7.2	3.7	41	9.3	9.7 11.2	10.8 13.0	9.8 11.1	2.6
	4	43	4.7	5.2	6.4	7.5	7.6	48	9.0	10.3	12.1	10.7	2.3
	5	42	5.7	6.4	10.8	9.7	10.9	43	8.8	9.9	11.2	10.1	1.9
	6	34	4.9	5.4	7.0	9.5	13.1	31	9.0	10.9	13.1	11.3	2.6
	7 8	28 48	5.3 5.3	6.8 6.1	8.2 8.0	10.1 9.3	12.8 9.9	35 41	9.4 8.9	10.7	12.6 11.7	12.6 11.0	9.7
	9	10	5.3	7.0	8.0	9.3	12.9	11	9.2	10.7	11.7	18.6	18.1
	10	34	5.6	7.2	11.7	13.2	14.9	33	8.8	10.7	12.1	12.1	8.1
	11	43	4.9	5.8	8.8	7.6	4.5	33	8.9	10.4	11.9	11.1	5.9
	12	35	4.9	5.4	6.6	7.8	7.0	33	9.3	11.0	12.2	13.5	10.5
	13	45	4.7	5.3	7.4	7.6	6.5	49	8.8	10.1	11.8	10.4	2.4
	14 15	30 0	5.2	5.7	6.5	6.2	1.6	33 0	8.6	10.4	13.2	15.7	14.8
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0		-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	- 440	- 40.0	1	9.7	9.7	9.7	9.7	0.0
	20	24 44	5.1 5.3	5.8 5.9	8.5 7.2	14.9 7.1	18.2 3.7	27 44	9.1 8.5	10.8	11.6 10.9	10.3	2.2
	22	42	6.0	6.8	8.5	8.5	4.5	44	7.5	9.1	10.8	9.1	2.3
	23	28	6.1	6.7	7.6	9.5	9.2	37	8.1	9.3	10.8	11.0	8.2
	24	44	5.8	7.0	8.1	7.6	2.7	37	9.0	9.9	12.3	10.9	4.2
	25 26	39 25	5.2 5.6	5.5 6.0	6.6 7.4	7.3 7.8	7.9 6.4	40 30	8.6	9.8	11.4 12.4	10.5 16.4	3.1 16.8
Week	27	25	5.1	5.9	9.5	12.3	14.5	13	8.3	9.8	13.1	10.4	2.9
>	28	36	4.6	5.3	6.0	6.3	3.4	48	10.0	11.1	12.3	10.8	2.5
	29	49	4.8	5.5	6.8	6.2	2.2	42	8.2	9.8	11.3	9.8	2.3
	30	38	5.2	5.7	7.1	8.1	11.0	24	9.2	10.6	11.3	10.3	2.1
	31 32	42 27	5.7 6.0	6.9 6.5	8.4 8.1	7.6 13.4	2.7 18.4	30 26	8.8	9.8	11.1 12.0	12.8 16.8	11.3 17.1
	33	37	5.1	5.9	7.7	7.2	4.9	38	8.4	10.1	11.0	10.4	3.7
	34	38	5.6	6.3	7.4	6.5	1.3	37	8.3	9.2	10.3	10.6	6.2
	35	51	5.8	6.3	7.4	6.9	2.2	42	7.6	8.8	9.7	8.9	2.1
	36	40	5.2	6.3	7.7	7.8	6.4	52	8.0	9.3	10.8	9.5	2.2
	37 38	44 42	5.9 6.2	6.6 6.7	7.9 8.1	8.8 8.7	10.2 7.2	39 41	7.1 7.3	8.4 8.7	9.4	8.4 11.6	1.5 11.8
	39	37	5.7	6.5	7.9	7.7	3.7	42	7.8	8.8	10.3	9.6	4.7
	40	45	5.8	6.8	7.8	11.2	14.5	38	7.3	8.6	9.5	8.6	2.2
	41	45	5.6	6.2	6.9	7.0	3.0	46	8.1	9.5	11.7	10.6	5.3
	42	49	5.8	6.7	9.2	8.8	5.7	38	7.4	8.9	9.9	8.8	1.9
	43 44	42 35	6.1 5.9	7.2 6.5	9.8 7.9	8.9 8.6	4.4 8.0	36 32	8.0 7.7	9.2 8.9	11.3 10.7	10.5 12.0	5.4 10.8
	45	35	6.2	7.3	10.1	10.4	8.2	34	7.4	8.9	12.0	14.3	16.5
	46	22	5.9	6.5	13.0	9.8	5.8	21	8.1	8.7	9.8	9.3	2.0
	47	33	5.4	6.5	9.4	8.5	5.5	42	8.8	9.9	11.8	10.3	2.3
	48	35	5.5	5.9	7.1	6.9	2.4	38	7.6	8.8	10.1	9.3	2.3
	49 50	49 39	5.3 4.8	6.2 5.3	7.2 8.9	7.3 8.5	3.5 6.4	47 37	8.6 9.4	10.1 11.9	11.5 14.4	11.3 12.6	5.8 4.5
	51	28	5.1	5.6	8.1	7.3	4.4	21	8.2	9.9	11.8	11.5	8.6
	52	34	4.7	5.0	5.4	8.8	12.7	32	10.1	12.5	14.4	12.5	3.4
	53	20	5.2	5.8	7.4	7.1	3.0	14	8.5	9.2	12.8	10.6	2.5

L	43		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	)
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1979	2.0	2.5	3.4	3.2	3.8 2.2	1958	2.7	3.3	4.5	4.4	4.5 2.3
	Jan Feb	232 152	1.9 1.9	2.3	3.2	3.0	4.2	232 152	2.6	3.2	4.3 4.3	4.0	6.2
	Mar	182	1.8	2.3	3.2	3.3	4.4	171	2.7	3.2	4.0	4.5	4.2
	Apr	29	1.9	2.3	3.4	2.7	1.2	26	2.6	3.3	3.9	3.8	2.2
ا ـ	May	109	2.1	2.4	3.3	3.0	2.2	120	2.6	3.2	4.5	3.9	2.4
Month	Jun	155	2.1	2.4	3.2	3.1	3.6 1.0	165	2.6	3.2	4.1	4.3	5.2 4.5
⋝	Jul Aug	176 200	1.7 2.0	2.1	2.8 3.3	2.4 3.5	6.3	163 171	2.6	3.1	3.7 4.5	4.2	3.6
	Sep	193	2.2	2.7	3.8	3.1	1.4	209	2.6	3.4	4.9	4.6	5.1
	Oct	206	2.2	2.8	3.8	3.5	4.8	185	2.8	3.6	5.3	4.7	3.3
	Nov	154	2.2	2.6	3.2	3.0	1.2	173	2.7	3.2	4.3	4.2	4.7
-	Dec	191	2.2	2.8	3.9	3.8	5.4	191	2.8	3.9	5.0	5.3	6.1
	2	37 49	2.0 1.9	2.3	3.0	2.7	1.3 1.3	43 55	2.7	3.1	3.8 4.3	3.8	2.2 1.4
	3	58	1.8	2.1	3.2	3.1	2.6	43	2.6	3.4	4.8	4.4	2.6
	4	50	1.7	2.0	2.8	2.5	1.3	55	2.6	2.9	4.1	4.0	2.7
	5	49	2.1	2.7	4.1	3.7	3.0	45	2.8	3.5	5.3	4.3	2.4
	6	41	1.8	2.1	2.8	2.6	1.5	42	2.8	3.2	4.1	4.6	5.0
	7 8	35 55	2.6	3.0 2.6	4.3 3.3	5.4 3.0	7.9 1.6	33 52	2.9	3.4 3.5	4.3 4.5	6.7 4.3	11.5 2.5
	9	10	2.2	2.0	2.9	2.5	0.6	16	2.8	3.2	3.7	3.4	0.8
	10	35	1.8	2.6	3.6	4.0	7.0	36	2.6	3.4	5.5	4.5	2.7
	11	52	1.9	2.3	2.7	3.3	4.9	39	2.8	3.2	3.8	4.6	5.9
	12	35	1.8	2.2	2.7	2.4	1.2	33	2.6	3.0	3.7	4.4	3.9
	13	47	1.9	2.4	3.3	3.5	2.9	54	2.8	3.2	4.0	4.4	3.8
	14 15	42 0	1.9	2.4	3.6	2.8	1.2	35 0	2.7	3.4	4.0	4.1	2.9
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	21	1.5	1.9	2.3	2.0	0.5	32	2.4	3.0	3.5	3.3	1.5
	21	46 48	2.1	2.4	3.0 4.1	2.9 3.5	1.9 2.7	45 50	2.8	3.3	4.6 4.6	4.0	2.5
	23	34	2.0	2.5	3.4	2.8	0.9	42	2.7	3.1	3.9	4.7	7.5
	24	47	2.1	2.3	3.3	3.0	1.5	41	2.8	3.5	4.3	3.9	1.6
	25	43	2.0	2.5	3.1	2.7	0.9	44	2.6	3.0	4.2	4.0	2.7
놓	26	25	2.2	2.4	2.9	4.2	8.3	31	2.6	3.1	3.8	4.8	7.4
Week	27 28	24 43	1.8	2.2 1.8	2.9	2.4	0.7	14 56	2.6	3.3	5.3 3.6	4.1 3.7	2.1
	29	54	1.8	2.1	2.5	2.3	1.0	46	2.7	3.1 2.9	3.5	3.9	2.6 3.6
	30	38	1.9	2.2	2.9	2.6	1.0	35	2.6	3.1	4.2	5.4	8.0
	31	42	1.9	2.3	3.1	2.7	1.2	32	2.7	3.2	4.0	3.7	1.5
	32	41	2.0	2.3	2.9	4.0	8.1	29	2.7	3.2	5.3	5.6	6.2
	33	41	2.0	2.4	3.0	4.2	10.5	38	2.8	3.2	4.0	4.4	3.5
	34 35	42 51	2.1	2.6 2.8	3.4	3.1	1.8 2.7	40 44	2.6	3.3	5.2 4.2	4.3	2.5 2.5
	36	45	2.0	3.0	4.2	3.4	2.0	55	2.8	3.5	4.5	4.6	3.5
	37	46	2.2	2.5	3.3	3.0	1.3	44	2.5	3.3	6.9	5.9	9.5
	38	48	2.5	3.1	3.9	3.4	1.4	45	2.5	3.3	4.9	4.2	2.4
	39	41	2.2	2.5	2.8	2.6	0.8	48	2.6	3.1	4.1	3.9	2.2
	40	47 51	2.5	2.9	3.7	3.4	2.1 1.4	43 52	2.6	2.9	4.1	3.8	1.9 2.4
	41 42	51 54	2.0	2.6 2.8	3.9	3.1 3.1	1.4	52 44	3.2 2.8	4.5 3.4	6.2 4.9	5.1 4.3	2.4
	43	42	2.3	2.7	3.8	3.1	1.0	41	3.0	3.7	5.2	4.4	2.8
	44	38	2.2	2.5	3.5	4.7	10.6	33	2.9	3.3	4.9	5.5	5.6
	45	30	2.3	2.6	3.0	2.7	0.6	39	2.5	2.9	3.6	5.4	9.1
	46	31	2.1	2.8	4.8	3.3	1.4	33	2.7	4.0	4.6	4.2	1.8
	47 48	35 45	2.0	2.6	3.2	2.9	1.2	47 43	2.9	3.4	4.4	4.0 3.7	1.9
	48	45 54	2.3	3.7	4.4	3.0 4.1	2.8	43 56	3.0	4.2	5.6	4.9	2.7
	50	44	2.0	2.7	3.5	3.4	2.8	52	2.8	4.2	5.6	6.2	7.2
	51	32	2.1	2.6	3.4	5.0	11.8	25	3.4	4.2	4.9	7.4	12.0
	52	40	2.0	2.3	3.0	3.0	2.4	38	2.8	3.4	4.2	3.9	1.5
	53	21	2.2	3.0	4.2	3.5	1.8	20	2.4	3.3	4.6	3.9	2.1

L	44		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-	Pd.			ravel Tin			ır)				me Estim		)
Time Unit	Je P	Count	F	Percentil	e		Std.	Count	F	Percentil	e		Std.
-	Time F		25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	1673	5.6	6.9	10.6	9.3	7.0	1663	9.0	10.9	14.3	12.6	6.4
	Jan Feb	196 134	5.3 5.5	6.8 7.0	11.1 11.8	9.0	5.8 9.7	198 136	9.2	10.8 11.5	13.8 14.5	12.4 12.3	5.1 4.2
	Mar	161	4.9	5.8	9.2	8.3	6.2	148	9.4	11.2	14.4	12.6	5.0
	Apr	25	5.7	7.0	9.2	7.8	2.8	20	9.0	10.4	12.6	12.2	5.0
£	May	89	5.5	6.7	9.3	7.6	2.9 8.3	97	8.8	10.7	12.8	11.1	3.4 8.1
Month	Jun Jul	135 144	5.8 5.2	7.1 6.1	10.1 9.2	9.7 7.9	4.7	141	9.1 9.5	10.8 11.3	12.8 13.9	12.6 12.7	5.9
	Aug	154	5.9	7.6	10.9	9.7	7.1	142	8.6	10.7	14.5	12.3	6.5
	Sep	155	6.1	7.3	10.5	9.1	4.5	170	8.1	10.0	13.9	12.0	6.8
	Oct Nov	182 133	6.2	7.4 8.3	11.0 11.7	9.6	5.9 5.9	159 152	8.5 8.6	10.3	14.1 16.1	11.7 13.1	4.7 6.7
	Dec	165	5.2	6.3	11.6	11.2	10.7	161	9.8	12.2	17.3	15.3	9.6
	1	29	5.3	5.9	9.9	7.7	3.4	36	9.1	11.5	16.5	13.6	6.7
	2	43	6.2	8.3	11.6	9.4	4.2	49	9.2	10.4	13.1	11.8	4.4
	3	50 43	5.0 4.8	6.3 6.0	11.3 8.7	8.5 8.1	5.1 5.7	36 45	9.1	10.9 11.4	13.8 13.8	12.0 12.9	4.2 5.5
	5	42	5.8	7.7	11.8	10.4	8.2	41	9.4	10.9	14.8	12.5	4.2
	6	35	5.1	8.6	12.3	9.4	4.7	37	9.4	12.2	14.5	12.7	4.8
	7	29	5.5	7.2	10.3	12.3	14.9	31	9.4	11.0	13.5	11.8	3.2
	8 9	46 13	5.8 6.3	6.9 7.6	11.5 9.9	9.7	5.6 16.2	49 10	9.3	11.5 10.4	13.6 12.6	12.0 11.7	4.0
	10	34	5.1	6.0	8.8	7.9	5.3	38	8.5	10.4	12.3	11.3	3.6
	11	47	4.9	5.8	9.6	9.2	8.2	34	9.6	11.4	15.3	13.4	5.7
	12	30	4.7	5.7	6.8	7.3	4.0	22	10.1	11.0	13.6	13.2	6.1
	13	40	4.9	5.5	6.9	7.5	5.1	48	9.1	10.5	14.8	12.5	4.7
	14 15	35 0	6.0	7.7	9.8	8.8	4.1	26 0	9.1	11.1	14.1	12.7	5.0
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	0 18	4.9	- 5.8	7.4	6.4	2.0	0 24	9.2	10.9	12.9	11.2	3.0
	21	37	5.2	5.9	9.0	7.0	2.5	37	9.6	11.8	14.1	12.2	3.9
	22	40	6.6	8.1	10.1	8.9	3.1	45	8.4	9.8	11.7	10.0	2.4
	23	30	6.1	7.0	9.2	8.1	2.9	32	9.0	11.2	13.7	13.5	11.9
	24 25	39 34	5.8 5.5	7.6 6.6	12.1 9.1	9.2 7.8	3.7 3.7	32 36	9.3	10.8 11.1	13.1 14.7	12.0 12.4	4.3 4.7
	26	26	5.9	7.5	12.5	14.7	16.6	32	9.2	10.6	12.1	13.1	10.1
Week	27	22	5.1	6.0	7.8	7.4	3.5	21	10.7	12.8	14.3	15.0	8.3
>	28	37	5.0	5.8	8.7	7.2	3.3	46	10.0	11.0	12.3	12.1	4.5
	29 30	45 28	5.1 5.3	6.0 6.4	9.1	7.6	4.1	41	8.7	10.7	14.2	11.9	4.9
	31	33	6.0	8.1	10.7	9.3	6.9 6.4	23	10.0 8.5	11.7 10.5	13.9 15.4	13.8	7.4 4.8
	32	27	6.5	7.8	13.5	12.2	9.6	28	8.1	9.8	13.6	12.8	10.1
	33	33	5.7	6.4	11.8	9.4	5.2	35	9.5	11.5	14.6	13.1	6.8
	34	31 42	5.7	7.1	10.8	9.5	9.0	26	8.7	10.0	13.7	11.5	3.9
	35 36	36	6.1 5.8	6.8 7.9	9.6	8.6 8.9	4.2 4.5	38 47	8.6 9.0	10.5 11.0	14.2 15.6	11.4 12.3	4.1
	37	38	6.1	7.0	9.1	8.5	4.0	34	7.7	9.6	12.5	12.4	10.6
	38	37	6.3	7.7	10.6	8.8	3.5	40	8.5	10.1	13.0	11.5	4.8
	39	35	6.2	7.8	13.5	10.5	5.8	36	8.0	9.7	12.9	12.3	7.4
	40	39 46	5.9 5.7	7.0 7.3	9.8	8.6 9.5	4.5 7.1	41 42	7.7 9.0	9.7	11.6 14.1	10.3 11.8	3.6 4.0
	42	47	6.2	7.2	10.0	8.7	3.6	38	8.0	9.7	11.9	10.3	3.0
	43	38	6.4	8.0	11.8	9.7	4.3	35	9.0	10.9	15.8	12.6	4.8
	44	36	6.7	7.9	12.3	11.1	7.5	27	8.9	10.9	13.6	13.6	7.3
	45 46	27 25	6.1 7.5	8.8 8.3	15.2 10.1	12.9 9.8	10.6 3.7	35 29	8.3 9.2	10.1	16.0 13.8	13.4 12.5	8.0 5.0
	47	28	5.4	6.5	8.7	7.4	2.9	42	9.2	10.9	15.2	13.5	7.0
	48	38	6.2	9.3	11.7	9.4	3.4	35	8.0	9.9	17.5	12.9	6.4
	49	49	5.7	7.7	16.6	12.6	10.5	55	10.2	12.3	17.9	15.3	8.8
	50 51	35 26	5.3	6.8	12.6	12.1	11.0 14.2	40 20	9.7	13.2	16.7	16.6	12.1 7.8
	52	26 35	4.9 4.9	5.8 5.6	8.4 7.4	11.8 7.8	6.6	20 30	10.6 10.4	12.5 11.7	16.2 19.5	14.9 15.9	7.8 10.0
L	53	20	5.1	5.8	15.7	11.5	9.3	16	8.6	10.6	13.4	10.8	2.4
_								_					

L	45		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me L	Time F	Count	F	Percentil	е	+	Std.	Count		Percentil	е	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1721	0.8	0.8	1.3	1.7	1.9 1.9	1779	1.1	1.3	1.7	1.7	1.4
	Jan Feb	191 168	0.7	0.8	1.2	1.6 1.7	2.1	201 170	1.1	1.3 1.3	1.7 1.8	1.8 1.9	1.5
	Mar	153	0.8	0.9	1.3	1.9	2.2	167	1.2	1.5	1.8	1.9	1.5
	Apr	21	0.8	1.0	1.2	1.3	1.4	19	1.3	1.4	2.0	2.0	1.4
ے	May	73	0.8	0.9	1.3	1.8	2.1	91	1.1	1.4	1.8	1.7	1.3
Month	Jun	134	0.8	0.9	1.3	1.5	1.6	138	1.1	1.3	1.5	1.6	1.3
Σ	Jul Aug	170 157	0.7	0.8	1.0	1.5 1.5	1.7 1.5	165 156	1.1	1.3 1.2	1.7 1.5	1.6 1.5	1.1
	Sep	163	0.8	1.0	2.0	1.8	1.9	176	1.0	1.1	1.4	1.4	1.0
	Oct	180	0.8	1.0	1.3	1.7	1.8	163	0.9	1.1	1.6	1.7	1.5
	Nov	145	0.8	0.9	1.6	1.7	1.7	158	1.1	1.2	1.5	1.7	1.5
	Dec	166	0.7	0.8	1.0	1.6	2.0	175	1.2	1.4	2.1	2.0	1.6
	2	29 41	0.8	0.8 1.0	1.3	1.6 1.7	1.6 1.7	33 49	1.1	1.3 1.2	1.6 1.4	2.0 1.6	1.9
	3	48	0.7	0.8	0.8	1.3	1.8	39	1.2	1.3	1.9	1.7	1.2
	4	43	0.7	0.8	0.8	1.7	2.2	46	1.2	1.5	1.8	2.2	2.1
	5	44	0.8	8.0	1.6	1.7	1.9	41	1.1	1.2	1.3	1.8	1.7
	6	40	0.7	0.8	0.9	1.5	1.9	41	1.2	1.5	2.6	2.3	1.6
	7 8	31 50	0.8	0.8	2.2 1.2	2.1 1.7	2.4 1.8	38 54	1.2	1.4	1.7 1.5	1.9 1.6	1.6
	9	38	0.8	0.8	2.1	2.1	2.5	33	1.1	1.3	1.5	1.6	1.0
	10	32	0.8	1.0	1.7	1.9	2.0	39	1.2	1.5	2.0	2.2	2.0
	11	41	0.8	0.8	0.9	1.5	1.9	36	1.2	1.6	1.9	1.8	1.1
	12	34	0.8	0.8	1.4	2.1	2.6	39	1.2	1.4	1.8	1.7	1.3
	13	35	0.8	0.9	1.4	2.0	2.4	45	1.3	1.5	1.8	2.0	1.6
	14 15	27 0	0.8	1.0	1.2	1.3	1.3	24 0	1.3	1.4	1.9	1.9	1.4
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	16	0.8	0.8	0.9	1.3	1.2	22	1.2	1.4	1.7	1.9	1.5
	21	32 32	0.8	0.9 1.1	1.2	1.7 2.3	2.0	37 41	1.1	1.4	1.8	1.7 1.7	1.3
	23	28	0.8	0.9	1.5	1.8	1.9	28	1.1	1.2	1.3	1.4	0.7
	24	32	0.8	1.1	1.3	1.4	1.1	29	1.2	1.3	1.7	2.0	1.5
	25	36	0.8	0.9	1.2	1.3	1.2	32	1.2	1.3	1.5	1.6	0.9
놓	26	29	0.8	0.8	1.0	1.4	1.6	38	1.0	1.3	1.4	1.5	1.4
Week	27 28	41	0.8	0.8	1.1 0.8	1.6 1.5	1.9 1.9	39 47	1.1	1.3 1.5	1.7 2.0	1.8 1.8	1.4
	29	48	0.7	0.8	0.8	1.4	1.5	45	1.2	1.3	1.5	1.4	0.6
	30	30	0.8	0.8	1.3	1.2	1.0	26	1.0	1.4	1.6	1.5	0.8
	31	32	0.8	1.0	2.4	1.7	1.4	26	1.0	1.3	1.6	1.4	0.5
	32	28	0.8	0.9	1.5	1.3	0.8	35	1.0	1.2	1.4	1.6	1.2
	33	37	0.8	0.9	2.2	1.7	1.6	38	1.2	1.3	1.8	1.8	1.4
	34 35	33 40	0.8	0.9 1.0	1.3 1.6	1.8 1.4	2.0 1.1	32 35	1.0	1.1	1.5 1.5	1.4	0.8
	36	39	0.8	1.0	2.3	1.9	2.0	47	1.1	1.3	1.5	1.6	0.9
	37	35	0.8	0.9	1.5	1.5	1.4	34	0.9	1.1	1.3	1.4	1.1
	38	41	0.8	0.9	1.1	2.0	2.2	44	1.0	1.1	1.4	1.4	0.9
	39	40	0.8	1.1	1.6	1.7	1.6	39	1.0	1.2	1.4	1.5	1.1
	40	44	0.8	1.0 0.9	1.2	1.4 1.8	1.1 2.0	42 46	0.9 1.0	1.0	1.2	1.2 1.8	0.5 1.4
	41	46	0.8	1.0	1.5	2.0	2.0	33	0.9	1.1	1.7	1.6	1.4
	43	39	0.9	1.0	1.3	1.7	1.7	39	0.9	1.1	1.5	1.8	1.9
	44	30	0.9	1.1	3.0	2.2	2.0	25	1.1	1.3	1.4	1.5	0.9
	45	31	0.8	0.9	1.2	1.2	0.9	40	1.0	1.2	1.5	1.3	0.6
	46	33	0.9	1.0	2.2	1.8	1.4	30	1.1	1.2	1.5	2.0	2.1
	47 48	29 39	0.8	0.8 1.0	1.0	1.5 1.9	1.8 2.0	46 32	1.2 0.9	1.3 1.2	2.5 1.4	2.3 1.2	2.0 0.3
	49	45	0.8	0.8	1.7	2.0	2.4	56	1.1	1.3	2.1	1.8	1.2
	50	34	0.7	0.8	1.0	1.5	1.7	39	1.1	1.6	2.5	2.3	2.0
	51	26	0.7	0.8	0.9	1.5	2.0	22	1.1	1.4	1.6	1.4	0.4
	52	42	0.6	8.0	0.8	1.5	2.0	36	1.3	1.5	2.2	2.3	2.0
	53	19	0.7	0.7	0.8	0.9	0.7	22	1.2	1.4	2.0	1.8	1.1

L	46		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	·)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1779	0.9	1.1	1.3	1.2	0.9	1770	1.3	1.4	1.7	1.6	0.9
	Jan Feb	212 174	0.9	1.0	1.2	1.2 1.2	1.2	213 178	1.3	1.5 1.5	1.7	1.6 1.6	0.7
	Mar	151	0.9	1.1	1.3	1.3	1.2	155	1.4	1.7	2.1	2.1	1.5
	Apr	20	1.0	1.2	1.5	1.3	0.5	21	1.6	1.8	2.1	2.6	2.0
	May	59	1.1	1.2	1.8	1.7	1.6	60	1.3	1.7	2.2	2.1	1.5
Month	Jun	129	1.0	1.2	1.4	1.5	1.1	118	1.3	1.5	1.8	1.6	0.6
Ĕ	Jul	175	0.8	1.0	1.2	1.1	0.7	168	1.3	1.5	1.7	1.7	1.4
	Aug Sep	160 167	1.0	1.1	1.3	1.3	0.9	158 179	1.2	1.4	1.6 1.6	1.5 1.4	1.0 0.6
	Oct	195	1.0	1.2	1.3	1.2	0.3	170	1.2	1.3	1.4	1.3	0.3
	Nov	157	1.0	1.2	1.3	1.2	0.6	166	1.2	1.3	1.6	1.4	0.6
	Dec	180	0.8	1.0	1.1	1.1	0.6	184	1.3	1.6	1.8	1.7	0.6
	1	31	0.9	1.1	1.3	1.2	0.7	35	1.3	1.5	1.8	1.6	0.5
	2	46	1.0	1.1	1.4	1.2	0.3	51	1.2	1.4	1.6	1.5	0.6
	3 4	53 51	0.8	1.0 0.9	1.1	1.1	0.8	43 49	1.3	1.4	1.7	1.6 1.7	0.4
	5	44	0.8	1.1	1.0	1.1	1.3	49	1.4	1.5	1.7	1.7	0.5 1.0
	6	44	0.8	0.9	1.0	1.2	1.9	45	1.4	1.7	2.1	1.8	0.5
	7	31	0.9	1.1	1.2	1.2	0.9	37	1.3	1.4	1.6	1.5	0.3
	8	52	0.9	1.1	1.2	1.1	0.4	58	1.3	1.5	1.7	1.6	0.9
	9	39	0.9	1.1	1.2	1.2	0.6	33	1.3	1.4	1.7	1.4	0.3
	10	33 37	0.9	1.1	1.4	1.5 1.6	1.4 1.9	37 34	1.3	1.7	2.1	2.3	2.1 1.4
	12	32	0.9	1.0	1.2	1.1	0.4	34	1.5	1.9	2.2	2.1	1.4
	13	37	0.9	1.0	1.2	1.1	0.4	42	1.5	1.8	2.0	1.9	0.8
	14	27	1.0	1.2	1.5	1.3	0.4	26	1.5	1.8	2.0	2.4	1.9
	15	0	-	-	-	-	-	0		-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17 18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	
	20	15	1.0	1.1	1.3	1.8	2.7	19	1.4	1.8	2.2	2.3	1.8
	21	24	1.1	1.2	1.8	1.5	0.9	25	1.4	1.6	2.1	1.8	0.5
	22	25	1.2	1.7	2.0	2.1	1.7	20	1.2	1.7	2.4	2.3	1.9
	23	24	1.0	1.2	1.4	1.5	0.9	20	1.3	1.6	1.9	1.7	0.7
	24 25	31 34	1.1	1.3 1.1	1.8	1.7 1.4	1.0	20 31	1.4	1.5 1.5	1.9 1.8	1.7 1.6	0.7
	26	33	0.9	1.0	1.2	1.4	0.2	42	1.2	1.5	1.7	1.6	0.4
Week	27	44	0.9	1.0	1.2	1.1	0.4	38	1.3	1.5	1.8	1.7	1.0
3	28	40	0.8	0.9	1.1	1.0	0.4	48	1.3	1.6	1.8	1.8	1.6
	29	51	0.8	0.9	1.1	1.1	8.0	46	1.3	1.4	1.7	1.8	1.8
	30	30	0.9	1.0	1.2	1.3	1.3	28	1.1	1.5	1.7	1.6	1.0
	31 32	31 32	0.9 1.0	1.1	1.3	1.2	0.6 1.4	24 37	1.2	1.4	1.5	1.4 1.3	0.3
	33	36	0.9	1.1	1.3	1.3	0.4	36	1.3	1.5	1.5 1.7	1.7	1.1
	34	35	1.0	1.1	1.3	1.4	1.2	32	1.2	1.4	1.7	1.8	1.6
	35	38	1.0	1.1	1.3	1.1	0.2	38	1.2	1.3	1.6	1.5	0.9
	36	41	0.9	1.2	1.3	1.2	0.6	46	1.2	1.4	1.6	1.6	0.8
	37	37	1.0	1.1	1.2	1.1	0.2	37	1.1	1.3	1.4	1.3	0.2
	38 39	40	1.1	1.2	1.3	1.3 1.4	0.8	43 40	1.1	1.3	1.5 1.6	1.3 1.5	0.4
	40	47	1.0	1.2	1.3	1.2	0.7	46	1.1	1.3	1.4	1.3	0.3
	41	47	1.0	1.1	1.2	1.1	0.2	47	1.2	1.3	1.5	1.4	0.3
	42	45	1.0	1.2	1.3	1.2	0.2	35	1.2	1.3	1.4	1.3	0.2
	43	44	1.1	1.2	1.3	1.2	0.3	38	1.2	1.3	1.4	1.3	0.2
	44	34	1.1	1.2	1.3	1.3	0.5	31	1.2	1.3	1.6	1.4	0.4
	45 46	35 34	1.0	1.2	1.3	1.2 1.4	0.3	39 31	1.1	1.3	1.5 1.5	1.4 1.4	0.5
	47	34	0.9	1.0	1.3	1.4	0.6	48	1.3	1.4	1.6	1.4	0.3
	48	40	1.0	1.2	1.3	1.2	0.7	34	1.1	1.3	1.6	1.5	1.2
	49	47	0.9	1.0	1.2	1.1	0.2	56	1.3	1.5	1.7	1.5	0.5
	50	41	0.9	1.0	1.1	1.3	1.3	47	1.4	1.6	2.1	1.9	0.9
	51	27	0.8	1.0	1.1	1.0	0.1	25	1.3	1.7	2.1	1.7	0.4
	52 53	43 22	0.8	0.9	1.0	1.0 0.9	0.2	33 23	1.4	1.7 1.6	1.8 1.9	1.7 1.6	0.4
	JJ	<b></b> _	0.0	0.8	1.0	0.5	U. I	20	1.4	1.0	1.5	1.0	0.0

L	47		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1333	2.2	2.7	3.4	4.0	6.8 4.6	1323	2.7	3.2	4.0	4.5	6.8 4.2
	Jan Feb	180 148	2.1	2.5 2.6	3.5	3.6 3.5	4.0	183 145	2.8	3.3	4.1 4.1	4.3 3.6	1.2
	Mar	43	2.5	3.4	12.7	14.7	20.5	40	3.2	3.8	5.0	12.2	19.1
	Apr	1	3.0	3.0	3.0	3.0	0.0	0	-	-	-	-	-
_	May	13	2.3	2.8	5.3	10.7	18.0	10	3.3	3.7	17.8	14.3	19.2
Month	Jun	70	2.2	2.5	3.3	5.4	10.7 4.6	68	2.8	3.2	4.1	8.4	15.5 1.2
2	Jul Aug	150 133	2.1	2.4	3.2	3.3	7.1	147 126	2.7	3.1	3.7 3.7	3.3 4.7	8.3
	Sep	143	2.3	2.7	3.3	3.3	2.8	155	2.6	3.1	3.7	3.5	1.5
	Oct	172	2.3	2.7	3.3	3.2	2.4	148	2.6	3.0	3.8	3.8	4.4
	Nov	136	2.4	2.9	3.8	4.0	5.3	145	2.7	3.3	4.6	3.9	1.9
Н	Dec 1	144 28	2.0	2.4	3.3	3.4	4.3 2.7	156 30	2.8	3.1	3.9 4.1	4.1	5.6
	2	40	2.2	3.1	3.6	3.6 4.8	8.3	43	2.9	3.5 3.2	3.6	3.6 3.2	0.8 1.0
	3	45	2.2	2.5	3.5	3.2	1.9	38	2.9	3.7	4.3	4.8	3.7
	4	42	1.7	2.3	3.2	3.2	2.8	42	2.9	3.2	4.1	5.0	5.9
	5	36	2.1	2.5	3.0	3.2	2.7	33	2.8	3.4	4.4	4.8	5.9
	6 7	35 29	2.2	2.5	3.2 4.0	3.9 4.6	6.5 7.1	36 33	2.7	3.4	4.1 4.1	3.5	0.9 1.2
	8	44	2.2	2.8	3.6	3.3	2.0	47	3.0	3.5	4.1	3.9	1.4
	9	33	2.2	2.5	3.0	2.8	1.1	27	2.5	3.0	3.2	3.1	0.9
	10	9	4.2	6.5	16.7	15.2	18.7	6	3.4	11.7	36.1	22.0	22.1
	11	10	2.5	4.0	40.3	21.1	23.3	9	3.3	3.7	4.1	9.2	13.6
	12 13	10	2.6	3.1	7.4	12.7 14.5	18.0 22.8	14	3.0	3.5	4.2	4.3	2.6
	14	1	3.0	3.0	4.6 3.0	3.0	0.0	9	2.9 4.7	4.0 4.7	53.5 4.7	23.1 4.7	28.3 0.0
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	5	2.2	3.2	46.4	22.4	24.8	6	3.6	3.7	3.8	8.6	11.7
	21	4	2.2	2.4	3.3	3.1	1.6	3	3.1	3.2	12.8	9.6	9.1
	22	4	2.7	3.3	4.1	3.5	1.1	2	18.9	33.5	48.1	33.5	29.2
	23	10	2.4	3.0	3.7	3.3	1.2	5	4.3	4.9	5.5	13.6	18.3
	24 25	10	2.5	3.2	4.5 3.2	9.7 5.3	15.5 9.7	7 20	3.5 2.6	3.7 3.2	4.0 3.9	12.5 8.2	22.3
	26	23 25	1.9	2.6	2.7	4.8	11.3	32	2.6	3.0	3.4	4.4	7.0
Week	27	39	2.2	2.4	3.2	4.0	8.0	34	2.9	3.2	3.9	6.1	12.3
>	28	33	1.8	2.4	3.7	3.9	4.2	41	2.5	3.1	3.4	3.2	1.0
	29	45	2.0	2.3	3.0	2.5	0.7	40	2.7	3.1	3.6	3.6	1.7
	30	26 23	2.1	2.6	3.5 2.8	3.0 2.5	1.3 0.7	27 19	2.5	3.0	3.6	3.1	1.0
	32	24	2.5	2.4	3.6	5.7	13.4	31	2.6	3.1	4.4	5.9	10.5
	33	29	2.0	2.3	2.8	4.0	8.2	24	2.6	2.9	3.3	6.1	13.7
	34	33	2.3	2.6	3.2	3.1	1.8	31	2.3	2.9	3.7	3.3	1.3
	35	33	2.1	2.6	3.7	3.5	2.8	29	2.7	3.2	3.8	4.5	4.6
	36	34	2.2	2.8	3.3	3.5 2.9	2.7 0.9	38 32	2.7	3.2 2.7	3.9	3.7	1.8
	37 38	33 34	2.1	2.7	3.4	3.2	1.7	38	2.4	3.5	4.0	3.1	1.2
	39	34	2.5	2.8	3.3	3.8	4.5	35	2.7	3.2	3.7	3.4	1.1
	40	40	2.5	2.7	3.4	3.7	3.9	40	2.5	3.1	3.5	3.7	3.0
	41	43	1.9	2.3	2.7	2.9	2.0	43	2.6	3.0	3.8	3.6	2.9
	42	41	2.5	2.8	3.8	3.2	1.2	29	2.5	2.8	3.8	3.1	1.0
	43 44	39 29	2.2	2.7	3.5	3.1 5.3	1.5 10.7	33 27	2.7	3.3	4.0 4.9	3.7 6.0	1.6 8.9
	45	30	2.6	3.0	4.0	3.8	2.0	31	2.7	3.3	4.2	3.7	1.5
	46	29	2.6	2.8	3.9	3.6	1.7	27	3.0	3.6	4.7	3.9	1.2
	47	28	2.3	2.8	3.1	3.2	2.3	46	2.8	3.4	4.6	3.9	1.7
	48	37	2.3	2.8	3.4	3.4	2.3	29	2.5	2.8	4.2	3.3	1.3
	49 50	38	2.1	2.7	3.6	3.6	2.6	45 30	2.8	3.1	3.9	3.6	1.5
	50 51	32 25	1.9	2.6	3.6 2.5	3.8 2.5	3.5 0.9	39 23	2.7	3.0	3.6 4.5	3.4 4.1	1.5 2.2
	52	32	1.7	2.3	3.0	3.7	7.7	28	2.6	3.0	3.6	6.1	12.6
	53	17	2.0	2.3	3.6	3.1	1.5	21	2.8	3.2	4.2	3.4	1.0

L	48		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	')
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	947	1.6	1.8	2.3	2.7	2.6 1.6	974	2.5	2.9	3.6	3.4	1.9
	Jan Feb	169 149	1.5 1.5	1.7 1.7	2.1	2.2	1.0	171 147	2.6	3.0	3.5 3.7	3.3	1.4
	Mar	9	1.7	2.2	2.3	2.4	1.4	13	3.0	3.5	4.1	3.6	0.7
	Apr	1	2.5	2.5	2.5	2.5	0.0	0	-	-	-	-	-
ے	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	29	1.6	1.7	2.1	1.9	0.6 2.3	34	2.6	3.0	3.6	3.6	2.8 1.0
2	Jul Aug	92 74	1.5	1.7 2.1	2.0	2.3 3.4	3.8	96 82	2.5	3.0 2.8	3.7	3.2	2.0
	Sep	94	1.8	2.2	2.9	3.3	3.1	91	2.4	2.8	3.3	3.6	3.1
	Oct	112	1.8	2.2	2.7	3.5	3.9	97	2.3	2.8	3.3	3.0	1.0
	Nov	104	1.7	2.0	2.8	3.0	2.4	117	2.5	2.8	3.4	3.1	0.9
	Dec	114	1.5	1.7	2.0	2.4	2.1	126	2.7	3.2	4.1	4.1	2.8
	2	30 40	1.6 1.7	1.8 2.0	2.2	2.2	1.3 1.5	32 43	2.7	3.0 2.9	3.4 3.6	3.1 3.4	0.5 1.9
	3	41	1.4	1.6	1.8	2.1	1.5	32	2.4	2.8	3.5	3.4	1.9
	4	34	1.4	1.6	1.7	2.0	1.5	40	2.6	3.1	3.5	3.2	1.0
	5	38	1.5	1.8	2.1	2.2	1.6	28	2.7	3.2	3.4	3.2	0.7
	6	35	1.5	1.7	2.3	2.6	2.3	42	2.7	3.3	4.0	3.6	1.4
	7 8	28 45	1.6 1.5	1.7 1.8	1.9	1.8 2.0	0.5 0.8	29 47	2.4	2.8 3.1	3.5 3.5	3.1 3.3	0.9
	9	32	1.4	1.7	2.2	2.0	1.5	30	2.6	3.1	3.5	3.2	0.8
	10	1	6.2	6.2	6.2	6.2	0.0	0	-	-	-	-	-
	11	2	2.2	2.2	2.2	2.2	0.0	1	3.6	3.6	3.6	3.6	0.0
	12	0	-	-	-	-	-	6	3.1	3.7	4.2	3.7	8.0
	13	1	1.7	1.7	1.7	1.7	0.0	1	4.5	4.5	4.5	4.5	0.0
	14 15	0	2.5	2.5	2.5	2.5	0.0	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-		-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	1	-	1	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	1	2.8	2.8	2.8	2.8	0.0
	24	0	-	-	-	-	-	2	7.2	11.2	15.2	11.2	8.0
	25	12	1.6	1.8	2.1	2.1	0.8	9	2.7	3.4	3.6	3.2	0.7
×	26	15	1.7	1.8	2.0	1.8	0.3	18	2.7	3.0	3.6	3.2	0.8
Week	27	21	1.6	1.7	1.8	1.9	1.0	25	2.5	3.1	4.0	3.5	1.4
	28 29	24 25	1.5	1.6 1.6	2.1 1.9	3.1 1.9	3.9 1.3	26 28	2.5	2.9	3.5 3.8	3.1 2.9	0.7
	30	18	1.6	1.8	2.0	2.3	1.8	17	2.3	2.6	3.5	3.0	1.0
	31	13	2.0	2.3	2.8	4.8	6.1	13	2.8	3.0	3.2	3.2	0.7
	32	16	2.0	2.3	6.0	5.0	4.8	13	2.6	2.7	3.0	3.7	3.5
	33	15	1.7	1.8	2.2	1.9	0.3	23	2.4	2.8	3.3	2.9	0.8
	34 35	18 18	1.8	2.0	2.3	2.3	1.4 1.8	18 19	2.7	3.2 2.7	3.4 3.1	3.2	0.9 2.7
	36	19	1.8	1.9	2.4	2.6	1.8	23	2.5	3.0	3.1	3.4	1.0
	37	21	1.8	1.9	2.3	2.2	0.7	16	2.4	2.7	3.2	3.6	3.5
	38	18	2.1	2.5	5.4	4.5	4.0	24	2.5	2.7	3.3	4.0	3.9
	39	30	1.8	2.4	4.0	3.8	3.6	24	2.3	2.7	3.1	3.6	3.3
	40	25	2.1	2.3	2.8	3.0	2.5	15	2.3	3.2	3.3	2.8	0.7
	41 42	32 26	1.7	1.9 2.2	2.9	4.9 2.7	6.1 1.6	32 20	2.5	2.8	3.0	3.0 2.8	0.9
	43	28	1.9	2.2	3.2	3.4	3.0	26	2.4	2.7	4.0	3.3	1.3
	44	17	1.8	2.2	2.8	3.0	1.9	15	2.3	2.7	3.0	2.7	0.6
	45	19	1.9	2.3	2.8	3.2	2.2	24	2.4	2.6	3.1	2.7	0.5
	46	22	1.9	2.1	2.9	3.1	1.8	21	2.6	2.8	3.2	2.9	0.6
	47	22	1.6	1.7	3.1	3.5	3.9	37	2.7	3.2	4.3	3.6	1.2
	48	31	1.7	1.9	2.4	2.6	1.6	28	2.4	2.7	3.1	2.8	0.7
	49 50	30 27	1.7	1.8 1.6	2.1 1.9	2.3	1.4 1.5	33 32	2.8	3.3	7.2 3.6	5.0 3.2	3.7 0.9
	51	19	1.4	1.9	2.2	3.4	3.6	15	2.9	3.2	4.6	4.7	4.1
	52	25	1.3	1.6	1.7	1.9	1.5	25	2.6	3.0	3.5	3.6	2.2
. 1	53	13	1.4	1.6	1.8	2.5	2.1	21	2.9	3.4	4.3	4.1	2.1

L	49		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-	Pd.			ravel Tir			ır)					ate (hour	)
Time Unit	Je P	Count	F	ercentil	е		Std.	Count	F	Percentil	e		Std.
-	Time		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1030 166	5.7 5.3	6.8 6.2	9.1 7.8	11.1 9.1	13.1 10.2	1045 166	7.8 8.3	9.4	11.3 11.1	12.0 11.2	10.9 7.9
	Jan Feb	43	5.5	6.4	30.0	18.4	20.7	43	9.5	11.8	20.8	20.4	18.9
	Mar	11	6.3	7.6	51.0	24.4	23.9	5	8.2	8.7	10.7	19.1	21.4
	Apr	2	13.1	19.6	26.1	19.6	13.0	3	8.0	9.3	9.5	8.5	1.3
£	May Jun	39	7.7 5.8	9.6 8.0	11.6 19.0	9.6 18.6	3.9 21.0	2 55	8.0 8.5	8.4 10.2	8.8 14.4	8.4 16.8	0.8 17.7
Month	Jul	143	5.3	6.0	7.5	9.1	11.3	141	7.7	9.5	11.0	11.1	7.7
	Aug	117	6.1	7.6	9.1	11.5	13.3	102	7.8	9.3	11.4	12.9	12.9
	Sep	132	6.5	7.3	9.1	8.6	6.6 9.2	136	7.2	8.1	10.0	9.5	6.9 8.7
	Oct Nov	160 89	6.8	8.0 7.3	11.0 9.0	11.4 11.9	13.8	147 103	7.0 8.2	8.3 9.8	9.5 11.7	10.0	5.3
	Dec	126	5.2	6.0	7.6	11.4	16.5	142	9.0	10.3	11.8	14.0	13.4
	1	25	6.0	6.8	8.0	7.4	2.2	30	8.5	9.5	9.8	9.5	1.8
	2	35 42	5.9 5.1	7.6 5.7	12.3 6.6	12.8 8.6	15.2 10.1	37 33	7.0 8.0	8.4 9.8	10.3 11.2	10.9 10.7	9.9 4.6
	4	37	4.9	5.5	6.2	8.2	10.1	38	9.3	10.4	12.0	11.2	3.1
	5	38	5.4	6.2	7.6	7.1	2.8	41	9.3	10.2	16.3	17.5	16.2
	6	13	5.6	6.2	37.0	18.4	18.5	16	9.0	11.7	13.4	17.9	18.0
	7 8	1	60.5 49.7	60.5 49.7	60.5 49.7	60.5 49.7	0.0	3	36.1	54.1	64.9	49.3	23.8
	9	26	6.2	7.7	48.9	24.4	23.9	14	8.3	9.5	10.9	10.0	3.6
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11 12	0	5.9	6.2	6.4	6.2	0.5	1	61.8 10.7	61.8 10.7	61.8 10.7	61.8 10.7	0.0
	13	0	-	-	-	-	-	0	-	-	-	-	0.0
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16 17	0	-	-	-	-	-	0	-	-	-	-	-
	18	2	13.1	19.6	26.1	19.6	13.0	4	8.5	9.2	9.4	8.7	1.2
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	1	5.7 13.5	5.7 13.5	5.7 13.5	5.7 13.5	0.0	0	-	-	-	-	-
	22	0	-	-	-	-	-	1	7.6	7.6	7.6	7.6	0.0
	23	1	36.8	36.8	36.8	36.8	0.0	2	9.7	10.1	10.6	10.1	0.9
	24	2	22.7	35.6	48.5	35.6	25.8	3	12.0	15.1	30.9	23.6	16.5
	25 26	17 17	5.7 6.1	6.2 8.7	8.6 48.1	11.7 24.0	15.2 23.5	22	9.0 8.4	11.2	15.0 12.9	18.4 16.6	19.7 17.8
Week	27	39	5.3	6.1	7.3	8.3	10.2	33	7.6	9.2	11.9	12.0	9.6
>	28	32	5.0	5.7	7.2	8.2	7.5	39	8.4	10.1	11.0	10.3	2.8
	29	41	4.7	5.7	7.1	6.3	2.8	36	7.7	9.1	10.7	9.7	3.8
	30	25 20	5.9 5.4	7.1 7.3	10.3 8.6	16.6 11.5	20.3	29 19	7.5 8.3	9.0	11.0 12.8	10.9 13.5	8.0 11.6
	32	26	6.5	8.0	10.0	13.1	14.4	16	8.7	9.8	24.7	20.1	18.4
	33	21	6.1	7.3	8.6	8.5	5.6	26	7.5	9.4	11.3	9.5	2.5
	34 35	28 30	6.0 6.1	7.9 7.2	12.5 8.4	11.9 10.6	13.7 13.7	20 30	7.8 7.8	9.2 8.8	11.1	17.4 9.5	21.3
	36	29	6.1	7.7	9.2	8.1	3.3	29	7.2	9.1	10.1	10.0	4.6
	37	35	6.3	6.8	7.7	7.3	1.9	26	7.0	8.0	10.1	11.3	14.5
	38	30	6.7	7.6	10.0	8.4	2.5	39	7.3	8.3	10.0	8.8	2.0
	39 40	31 34	6.4 6.6	7.9 7.6	9.7 9.7	10.6 8.3	12.6 2.6	33 37	7.3 7.0	8.1 8.1	9.9	8.5 9.2	1.6 3.7
	41	35	7.4	10.3	27.6	19.1	15.4	36	7.5	8.3	9.4	8.8	2.2
	42	46	7.3	8.5	11.9	11.2	6.2	36	6.9	7.8	9.1	8.3	2.6
	43 44	39 14	6.5 6.5	7.8 7.2	10.0 7.9	8.5 7.3	2.7 1.2	31 19	7.3 7.6	9.0	9.3	11.3 16.6	11.2 19.0
	45	9	7.3	9.2	11.3	15.6	19.1	12	8.9	11.4	13.9	12.3	4.4
	46	28	6.8	7.5	8.3	10.8	13.6	23	8.3	9.2	10.1	10.2	4.0
	47	24	5.5	6.0	7.1	6.4	1.4	41	7.7	9.8	11.3	10.5	3.7
	48 49	27 38	6.5 5.9	7.5 7.0	22.8 10.8	16.8 10.8	15.8 9.9	24 41	8.7 8.8	10.2 9.8	11.7 11.8	10.7 13.4	3.5 12.2
	50	26	5.1	5.4	6.7	12.5	20.1	39	8.4	9.9	11.2	11.5	6.5
	51	24	5.1	6.4	6.9	13.6	20.1	17	9.2	10.2	15.2	19.1	21.6
	52	27	4.9	5.3	6.4	11.2	19.0	29	9.2	10.3	13.8	16.5	17.5
Ш	53	11	4.6	5.3	6.8	6.4	2.7	16	11.0	11.4	11.8	12.0	3.3

Time Unit					m Direc					Upstrear	ii Directio	011	
اوا	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	ne Estim	ate (hour	·)
I = 1	Time P	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1034	2.1	2.5	3.2	3.2	2.2 1.9	1142	2.5	3.0	3.6	3.3	1.6 1.6
▎▐	Jan Feb	125 21	2.1 1.9	2.4	2.9	2.9 3.0	2.4	142 30	2.6	2.9	3.4	3.2 3.0	0.5
lt	Mar	108	2.0	2.3	2.6	2.4	0.9	108	2.4	2.8	3.4	3.1	1.0
[	Apr	63	2.2	2.5	3.0	2.8	1.6	54	2.6	3.1	3.8	3.3	1.1
اڃا	May	99	1.9	2.2	2.7	2.7	1.8	122	2.3	2.8	3.4	3.1	1.6
Month	Jun Jul	59 104	2.2 1.9	2.6	3.1 2.8	2.9	1.5 1.4	79 121	2.6	3.0 2.8	3.4	3.2	1.0
-	Aug	84	2.2	2.6	3.2	3.0	1.9	87	2.5	3.1	3.6	3.4	1.7
	Sep	108	2.3	2.8	3.2	3.0	1.5	124	2.3	2.9	3.6	3.1	1.2
	Oct	133	2.7	3.4	6.4	5.1	3.5	134	2.7	3.2	4.5	4.2	2.9
▎▐	Nov Dec	50 80	2.5	3.0 2.7	4.0 3.5	3.8	2.6 2.7	54 87	2.7	3.1	4.4 3.4	3.8 3.1	1.9 0.7
	1	17	2.4	2.5	3.1	2.8	0.8	21	2.6	3.1	3.5	3.3	0.8
	2	21	2.3	2.6	2.9	3.2	2.1	25	2.3	3.2	3.4	3.7	3.1
	3	41	2.1	2.5	3.1	2.9	1.5	35	2.5	3.0	3.5	3.1	0.8
-	4 5	24 31	2.0	2.1	2.3 3.0	2.6 3.3	2.2	35 34	2.7	2.9	3.5	3.1 3.1	0.7 1.3
╽┟	6	9	2.2	2.3	2.6	2.4	0.4	12	2.7	2.9	3.2	3.1	0.6
[	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	1	3.5	3.5	3.5	3.5	0.0
	9	9 17	1.8	2.0	2.3	2.1	0.4 1.1	15 12	2.8	3.0 2.6	3.1	2.9	0.3
F	11	19	2.2	2.4	2.8	2.4	0.5	22	2.6	3.0	3.7	3.2	1.0
	12	34	2.0	2.3	2.6	2.3	0.5	28	2.4	2.8	3.2	2.9	0.7
	13	30	1.9	2.2	2.7	2.5	1.2	36	2.5	2.9	3.7	3.3	1.2
	14	30	2.1	2.5	3.3	3.1	2.2	31	2.6	3.1	3.8	3.4	1.2
▎▐	15 16	20 7	2.1	2.4	2.6 3.0	2.4	0.4	12 8	3.2 2.1	4.0 2.4	4.7 2.6	4.1 2.3	0.9
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	27	2.1	2.4	3.0	2.9	1.5	29	2.5	2.7	3.2	3.0	1.0
	19	18	2.1	2.2	2.3	2.4	1.0	26	2.0	2.6	3.0	2.7	0.6
▎▐	20	27 21	1.7	2.1	2.3	2.3	1.2 0.7	19 30	2.5	2.9	3.4	3.0	0.7 1.5
	22	15	2.3	2.5	3.4	4.0	3.3	27	2.3	2.9	3.9	3.6	2.5
	23	18	2.2	2.6	3.9	3.5	2.4	24	2.8	3.1	3.6	3.5	1.3
▎▐	24	19	2.2	2.6	3.2	2.6	0.6	22	2.5	3.1	3.3	2.9	0.6
l .	25 26	15 6	2.1	2.4	2.8 3.4	3.1	0.5 1.4	25 5	2.6	3.0	3.3	3.1 3.1	0.8
Week	27	22	1.9	2.3	2.6	2.3	0.4	23	2.5	3.1	3.8	3.4	1.5
	28	22	1.8	2.3	2.9	2.8	2.2	32	2.3	2.8	3.2	3.0	0.9
▎▐	29 30	32 21	1.8	2.3	2.7	2.2	0.6 1.8	38 20	2.4	2.8	3.3	2.9 2.8	0.7
F	31	16	2.2	2.5	2.0	2.5	0.7	20	2.3	3.0	3.5	3.4	2.6
[	32	20	2.3	3.0	4.1	3.4	1.3	17	2.7	3.0	3.3	3.4	1.5
[	33	17	2.2	2.5	3.1	3.5	3.5	22	2.5	3.3	3.9	3.3	0.9
	34 35	14 24	2.5	2.8 2.5	3.6 2.7	3.3 2.6	1.6 0.6	12 25	2.5	3.0	3.9	3.8	1.8 0.8
	36	23	2.0	2.5	2.7	2.5	0.6	25 27	2.5	2.9	3.2	3.0	0.8
[	37	28	2.2	2.7	3.2	3.2	2.4	24	2.3	3.0	3.7	3.3	1.7
[	38	24	2.6	3.2	4.3	3.6	1.3	31	2.6	3.5	4.0	3.6	1.5
	39 40	29	2.3	2.6	2.9	2.6	0.5	31	2.2	2.6	3.2	2.7	0.6
	41	22 26	2.6	2.9 3.3	3.2 6.9	3.0 5.1	0.7 3.8	36 35	3.2	3.8	2.9 4.5	2.6 4.8	0.7 2.9
lt	42	43	3.6	5.5	9.8	7.2	4.0	35	3.1	4.5	7.8	5.8	3.9
[	43	33	2.6	3.5	7.2	4.4	2.3	27	2.3	2.8	3.5	3.3	1.5
-	44 45	16 7	2.4	2.9	3.2	2.8	0.5 0.4	13 5	2.3	2.7 3.0	3.5 3.1	2.9 2.9	0.9
╽┟	46	7 17	2.5	3.2	4.1	4.1	3.1	12	2.6	3.1	4.0	3.6	1.9
	47	12	2.4	2.9	4.6	3.7	1.8	25	2.8	3.2	4.7	4.0	2.0
[	48	11	2.5	2.8	4.3	4.3	3.3	11	2.7	2.9	4.5	3.8	1.7
	49 50	25	2.3	3.0	4.0	4.3	3.1	24	2.9	3.2	3.8	3.3	0.7
-	50 51	14 18	1.9	2.7	3.3 2.6	3.2 2.8	1.2 2.1	24 13	2.4	2.7	3.3	2.9	0.6
	52	16	2.1	2.4	3.2	3.4	3.3	19	2.5	3.1	3.4	3.1	0.7
Ш	53	7	2.1	2.3	6.0	4.2	3.0	7	2.5	3.1	3.8	3.3	0.9

L	51		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hou	)
me L	Time F	Count	F	Percentil	е	•	Std.	Count	- 1	Percentil	e	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	1799	1.3	1.7	3.1	2.9	2.8	1845	1.9	2.7	4.8	3.9	2.9
	Jan Feb	192 71	1.2 1.3	1.6 1.8	2.9 4.1	2.7 3.1	2.0	186 102	1.8	2.6 2.7	4.4 4.9	3.6 4.0	3.1
	Mar	177	1.2	1.5	2.7	2.7	2.9	161	1.9	2.5	4.0	3.3	2.1
	Apr	99	1.3	1.7	3.1	2.6	2.4	85	2.1	3.2	4.7	4.1	2.9
ے	May	155	1.3	1.6	3.1	2.7	2.7	149	1.8	2.7	4.9	3.8	2.9
Month	Jun	133	1.5	1.9	3.8	3.2	2.9	136	2.0	2.7	4.3	3.7	2.6
Σ	Jul Aug	179 156	1.2 1.4	1.5 1.8	2.9 3.1	2.6 3.1	3.0	173 163	1.8 2.0	2.3	4.3	3.2	2.8
	Sep	173	1.5	1.9	2.8	3.0	3.0	213	1.8	2.3	4.3	3.5	2.7
	Oct	189	1.5	1.8	2.8	3.0	2.8	164	1.9	3.4	5.9	4.5	3.5
	Nov	107	1.4	1.8	3.3	3.0	2.8	140	2.2	3.2	5.4	4.5	3.3
	Dec	168	1.3	1.7	3.6	2.9	2.5	173	2.1	3.2	6.0	4.7	3.5
	2	24 40	1.4 1.4	1.8 1.8	5.2 3.3	3.4 2.9	3.0 2.4	34 33	1.9 1.8	2.9	5.3 4.7	4.2 3.8	3.1 2.8
	3	50	1.3	1.6	2.9	2.8	2.9	41	1.8	2.6	4.4	3.8	3.3
	4	47	1.1	1.3	2.3	1.9	1.3	46	1.9	2.2	3.8	3.2	2.1
	5	46	1.3	1.7	3.8	3.1	2.8	46	1.9	2.4	4.3	3.5	2.9
	6	18	1.2	1.8	3.3	3.1	3.0	29	1.9	3.5	6.6	4.9	3.7
	7 8	16 12	1.4 1.6	1.7 2.1	3.1	2.8 3.9	2.3 4.2	17 23	1.7 2.3	2.3	3.9 4.6	3.3 3.5	2.5 1.6
	9	13	1.3	1.7	4.7	2.9	1.9	23	2.0	2.9	5.0	3.8	2.8
	10	31	1.2	1.5	2.2	2.9	3.2	22	2.0	2.7	4.2	3.7	2.4
	11	41	1.3	1.6	2.6	2.6	2.8	37	1.9	2.5	3.7	2.9	1.3
	12	50	1.2	1.4	2.2	2.4	2.3	46	1.9	2.3	3.2	2.9	1.7
	13	49	1.2	1.6	3.0	3.0	3.4	45	2.0	2.5	4.9	3.8	2.8
	14 15	48 30	1.2 1.4	1.5 1.9	2.7 4.2	2.6 3.2	2.5 2.9	48 24	1.8 2.9	2.8 4.2	4.3	3.8 4.7	3.0
	16	14	1.3	1.6	2.7	2.1	1.1	10	1.9	3.3	5.6 4.3	3.9	2.6
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	41	1.2	1.8	3.6	3.0	3.0	35	1.9	2.5	4.2	3.6	2.5
	19	26	1.4	1.6	2.0	1.9	0.9	28	1.7	2.3	4.0	3.3	2.4
	20	39	1.2	1.7	4.0	3.1	3.3	24	1.8	3.0	4.5	4.0	3.1
	21	34	1.3 1.4	1.5 1.8	2.0 3.9	2.2 3.3	2.1 3.5	37 39	1.8 2.0	2.3	5.3 5.7	3.6 4.0	2.6 3.2
	23	25	1.5	1.8	3.5	2.7	1.9	29	1.9	2.7	4.3	3.8	3.0
	24	41	1.6	2.2	5.3	3.9	3.5	31	2.0	2.8	5.1	3.9	3.0
	25	37	1.5	1.8	3.2	2.6	1.6	37	2.1	2.7	4.1	3.5	1.9
놓	26	22	1.3	1.7	5.2	3.5	3.3	30	2.0	2.6	4.8	3.8	2.6
Week	27 28	49	1.3	1.7 1.4	4.0	3.0	2.9 1.8	40	2.2	2.9	5.6 3.7	4.0	2.3 1.4
	28	37 51	1.2 1.2	1.4	2.0	2.1	1.8	47 45	1.9	2.3	3.7	2.8	1.4
	30	30	1.3	1.5	4.1	2.6	1.7	34	1.7	2.0	4.0	3.0	2.0
	31	28	1.4	1.8	2.7	2.7	2.5	23	2.1	2.8	4.1	3.8	2.5
	32	35	1.5	1.8	3.0	3.1	2.7	30	1.9	2.9	4.9	4.1	3.2
	33	37	1.6	3.0	5.3	4.2	3.6	49	2.0	2.6	4.3	3.6	2.6
	34 35	31 40	1.3 1.4	1.7 1.7	2.0	2.3	2.5 3.0	28 45	2.0	3.2 2.7	4.6 3.8	4.2 3.5	3.3 2.3
	36	46	1.3	1.7	2.6	2.9	2.8	49	1.7	2.7	4.1	3.4	2.7
	37	42	1.4	1.9	2.3	2.3	1.8	48	1.7	2.1	4.2	3.0	1.8
	38	35	1.7	2.1	3.3	3.8	3.7	58	1.9	2.7	4.1	3.6	3.0
	39	44	1.5	2.0	3.4	3.4	3.1	46	1.9	2.7	5.5	4.0	2.8
	40	36 45	1.7	2.0 1.6	2.4	2.8	2.2	42	1.7 2.2	2.3	4.5 7.1	3.5	2.5
	41 42	45 61	1.3 1.6	1.8	3.8 2.5	3.5 2.6	3.4 2.1	34 39	3.0	4.3 4.5	7.1 6.0	5.2 5.2	3.9
	43	43	1.5	2.0	4.4	3.6	3.4	37	1.8	2.4	4.0	3.2	2.1
	44	12	1.5	2.1	2.9	2.8	2.2	26	1.9	2.8	6.1	5.3	4.7
	45	14	1.5	2.4	4.0	3.2	2.4	24	2.1	2.7	3.8	3.1	1.5
	46	20	1.4	1.8	2.9	2.5	1.8	35	1.9	2.7	5.4	4.4	3.4
	47 48	38	1.2 1.6	1.5 2.1	2.9 3.3	2.7	3.0	52 27	2.5	3.8	7.7 4.6	5.4 4.2	3.8 2.6
	48	33 51	1.6	1.8	3.3	3.5 3.4	3.3	41	2.4	3.3	6.0	5.3	4.1
	50	27	1.3	2.8	4.2	3.1	2.0	36	1.9	3.2	7.3	4.8	3.4
	51	32	1.4	1.8	4.0	2.9	2.3	29	2.4	3.8	8.9	5.3	3.6
	52	42	1.3	1.6	2.5	2.6	2.6	45	2.0	2.9	4.2	3.6	2.2
Ш	53	16	1.1	1.4	1.8	1.8	1.2	22	2.3	3.2	6.0	4.9	3.9

L	52		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2720 306	1.2	1.6	5.7 1.5	7.6	13.7 3.1	2590 297	1.9	2.7	6.2 3.0	7.7 3.0	12.1 4.2
	Jan Feb	251	1.1	1.3	1.6	2.3	6.5	241	1.9	2.1	3.4	4.1	6.3
	Mar	299	1.2	1.3	1.8	3.0	6.4	270	1.8	2.3	3.4	3.6	5.3
	Apr	118	1.3	1.5	3.0	5.4	11.9	106	1.9	2.3	4.9	8.2	14.3
ا ۽	May	224	1.2	1.4	2.4	4.3	9.1	194	1.8	2.3	4.2	4.7	7.3
Month	Jun Jul	215 224	1.4	1.6 1.3	2.5 1.6	3.9 2.7	8.7 6.0	197 226	1.7	2.3	3.2	4.3 2.9	8.5 2.7
2	Aug	207	2.0	10.9	30.7	17.2	16.6	206	2.3	6.7	30.2	17.3	17.9
	Sep	227	6.7	20.2	41.1	25.9	20.7	203	6.5	13.6	32.3	20.3	16.7
	Oct	229	3.4	5.6	15.1	11.8	13.5	203	3.9	6.8	16.4	13.4	14.6
	Nov	191	2.5	5.4	14.1	14.2	19.8	212	3.0	5.7	14.6	12.1	15.4
	Dec 1	229 42	1.2	1.3	1.7	2.9	6.2 2.0	235 54	1.9	2.3	3.2	3.4	5.2
	2	75	1.2	1.3	1.6	3.0	4.7	78	1.8	2.2	3.1 3.2	2.9 3.5	2.0 7.5
	3	76	1.0	1.2	1.6	2.2	2.2	59	1.8	2.1	3.4	3.2	2.5
	4	66	1.1	1.2	1.2	1.7	1.8	65	1.9	2.2	3.0	2.8	1.6
	5	67	1.1	1.3	1.5	2.4	3.1	54	1.8	2.1	2.9	3.4	4.6
	7	57 62	1.1	1.2	1.9	2.2	3.4 2.3	67 50	2.0 1.7	2.3	3.1	4.5	7.7
	7 8	77	1.2	1.3	1.6	2.1	7.3	59 63	2.0	2.0	2.5 4.1	3.2 3.5	2.9
	9	47	1.2	1.4	2.0	5.5	12.6	46	1.8	2.8	4.9	6.4	12.2
	10	66	1.2	1.3	1.6	3.0	8.4	66	1.9	2.2	3.8	4.0	5.2
	11	77	1.2	1.3	1.7	2.8	6.4	56	1.9	2.4	3.1	3.0	1.7
	12	70	1.1	1.3	1.5	2.3	3.2	64	1.8	2.3	3.2	3.0	1.8
	13	68	1.1	1.3	1.9	2.7	4.2	70	1.8	2.2	3.4	3.4	3.2
	14 15	60 27	1.2	1.4 1.8	1.9 3.5	2.8 6.2	3.6 12.8	59 11	1.8 1.8	2.3	3.3 9.2	5.9 9.6	11.4 17.0
	16	25	1.3	1.6	4.4	10.5	19.8	20	1.8	2.1	3.3	2.7	1.2
	17	4	1.6	3.7	6.4	4.3	2.9	6	7.1	21.8	41.3	25.2	20.5
	18	50	1.1	1.3	1.8	3.7	9.0	46	2.0	2.5	4.4	7.0	12.0
	19	44	1.2	1.5	4.1	4.7	10.1	41	1.8	2.3	3.8	3.5	2.9
	20	42	1.1	1.3	1.6	2.1	2.8	35	2.0	2.5	4.4	7.9	13.0
	21	53 48	1.3	1.6 1.5	4.2 1.9	6.0 4.6	10.8 9.3	43 50	2.0 1.7	2.3	4.5 3.6	5.2 4.0	7.6 5.0
	23	40	1.4	1.8	3.7	4.4	10.0	46	1.7	2.3	3.1	3.4	5.0
	24	69	1.4	1.6	2.2	3.8	9.0	46	1.9	2.7	3.7	4.2	6.0
	25	52	1.4	1.6	2.0	2.6	2.2	49	1.7	2.3	2.8	5.4	11.3
χ	26	38	1.3	1.6	3.2	4.4	7.9	41	1.7	2.1	2.7	4.3	10.7
Week	27 28	62 55	1.3	1.4	1.7	3.9 1.6	10.0	57 55	1.9	2.3	3.1	3.0 2.7	2.0 1.5
	29	63	1.1	1.2	1.5	2.1	3.1	60	1.7	2.0	2.9	2.6	1.4
	30	37	1.2	1.4	1.7	4.2	11.7	49	1.6	2.2	3.3	3.1	3.5
	31	34	1.4	2.0	9.2	8.9	12.8	40	2.3	3.8	28.8	16.4	21.6
	32	55	8.1	15.9	29.1	19.8	14.9	43	7.0	17.3	25.1	20.5	16.1
	33	49	1.3	1.6	2.3	5.1	11.0	63	1.8	2.2	4.0	8.2	13.9
	34 35	33 54	1.5 13.2	5.3 30.7	31.8 37.4	16.2 26.6	18.9 14.2	32 44	2.2 6.6	6.0 22.6	37.1 35.6	18.6 22.2	18.3 14.7
	36	51	8.5	24.8	40.3	25.6	16.3	44	7.1	16.5	34.8	20.3	14.7
	37	57	6.8	38.3	60.8	34.9	25.9	48	5.6	8.5	30.0	18.0	16.6
	38	60	6.0	14.6	37.0	21.3	18.2	55	6.2	10.3	27.8	17.6	14.3
	39	52	8.0	20.0	31.3	23.1	18.4	45	7.2	17.9	29.2	22.6	19.1
	40	55	8.0	16.6	40.9	22.4	17.7	39	6.5	15.7	35.3	22.6	18.9
	41 42	53 68	1.4 3.4	2.5 5.1	4.4 9.1	4.4 6.8	4.8 5.1	65 46	2.8 3.0	5.7 4.7	13.2 6.5	12.2 5.5	15.0 3.2
	43	47	4.5	10.1	20.2	15.6	14.8	42	6.6	13.3	26.6	18.4	14.6
	44	17	5.6	7.3	20.2	15.0	13.9	32	6.0	9.2	20.9	16.0	14.9
	45	44	5.1	13.5	55.8	28.2	25.9	46	6.6	17.2	38.7	25.1	21.4
	46	31	5.0	7.2	53.3	24.6	25.5	40	4.8	8.0	21.8	17.0	17.4
	47	58	1.3	1.5	4.9	3.4	3.8	64	2.1	2.9	5.1	4.1	2.9
	48 49	54 60	3.5	5.7 1.4	11.3	7.8 2.4	5.9 3.4	52 63	2.1	3.5 2.4	8.4 3.3	6.4 2.9	5.7 1.5
	50	60 49	1.3	1.4	1.5	3.1	6.2	63 50	1.9 2.1	2.4	4.1	5.1	9.4
	51	44	1.2	1.3	1.4	3.8	10.1	37	2.1	2.3	3.2	3.1	1.9
	52	52	1.1	1.3	1.4	2.7	5.4	54	1.8	2.3	2.7	3.2	5.2
	53	24	1.1	1.2	1.4	2.3	2.9	31	2.0	2.4	2.8	2.6	1.0

L	53		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	')
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2579 254	1.6 1.5	1.8	2.3 1.8	2.8	3.2 2.2	2231 255	2.3	2.7	3.3	3.8	3.6 2.3
	Jan Feb	148	1.6	1.7	2.1	2.1	3.3	153	2.5	2.6	3.0 3.2	3.6	3.4
	Mar	261	1.5	1.7	1.9	2.4	2.8	234	2.3	2.7	3.1	3.5	3.1
	Apr	163	1.6	1.9	2.2	2.4	2.4	155	2.4	2.7	3.1	3.5	3.2
ч	May	185	1.7	1.8	2.2	2.4	2.3	169	2.3	2.6	3.0	3.2	2.7
Month	Jun Jul	196 229	1.8 1.5	2.0 1.7	2.4 1.9	2.5 1.9	2.1 1.3	190 223	2.1	2.4	3.0	2.8	1.4
2	Aug	183	1.7	1.8	2.2	2.5	2.6	148	2.3	2.8	4.8	5.1	5.0
	Sep	241	1.7	2.1	2.7	3.4	3.8	145	2.4	3.2	8.3	6.4	6.2
	Oct	261	1.9	3.0	11.1	6.3	5.6	174	2.3	2.7	4.7	5.2	5.3
	Nov	242	1.7	1.9	2.2	2.2	1.7	159	2.4	2.9	4.4	4.9	4.8
	Dec 1	216 37	1.5	1.7	1.9	2.1	1.9 3.2	226 47	2.3	2.8	3.2 2.9	3.2	1.9
	2	46	1.6	1.7	2.1	2.6 2.1	1.1	60	2.3	2.7	3.0	2.8 3.6	3.4
	3	72	1.4	1.6	1.8	1.8	1.3	53	2.2	2.4	2.9	2.9	1.9
	4	61	1.4	1.6	1.7	1.9	2.7	58	2.4	2.7	3.1	3.0	1.6
	5	59	1.4	1.7	1.8	2.0	2.0	48	2.3	2.6	2.9	3.0	2.2
	6	39	1.5	1.7	1.8	1.8	0.7	51	2.5	2.8	3.2	3.3	3.1
	7 8	20 40	1.7	2.0	2.9	4.4 3.8	5.4 4.5	26 34	2.4	2.8 3.0	3.3 4.1	3.4 5.0	3.0 5.2
	9	34	1.6	1.8	2.0	2.0	1.0	36	2.7	2.6	2.9	2.9	1.0
	10	59	1.6	1.8	2.3	3.5	4.3	55	2.5	3.0	3.5	3.9	3.9
	11	68	1.5	1.7	1.9	2.3	2.9	47	2.3	2.6	3.1	3.8	3.8
	12	56	1.5	1.7	1.9	1.9	8.0	54	2.3	2.6	2.8	3.2	2.5
	13	64	1.4	1.6	1.8	1.9	1.4	67	2.3	2.5	2.8	3.3	2.3
	14	61 14	1.6	1.8	2.2	2.2	1.4	53	2.5	2.7	2.9	3.5	3.1
	15 16	41	1.5	1.9 1.9	2.1	1.9 2.5	0.4 2.0	8 42	2.8	3.0 2.6	4.1 3.1	4.4 3.2	3.2 2.7
	17	37	1.7	1.8	2.1	3.0	4.2	35	2.3	2.5	3.1	3.1	2.6
	18	49	1.5	1.8	2.0	2.6	3.0	48	2.4	2.7	3.0	3.4	3.2
	19	38	1.6	1.8	1.9	2.0	1.1	40	2.3	2.6	3.2	3.5	3.6
	20	31	1.7	1.8	2.0	2.4	2.7	24	2.4	2.7	3.2	3.7	3.7
	21	43	1.7	1.9	2.3	2.7	2.5	33	2.3	2.5	3.2	2.9	1.1
	22	47 34	2.0	2.0	2.5	2.4	1.3 2.4	52 41	2.1	2.6	2.9 2.8	3.1 2.9	2.4 1.7
	24	53	1.8	2.0	2.3	2.4	1.2	39	2.1	2.7	3.3	2.8	0.9
	25	50	1.7	1.9	2.1	2.5	2.7	46	2.1	2.4	2.8	2.6	0.6
¥	26	45	1.7	2.0	2.3	2.2	0.9	48	2.2	2.4	2.9	3.0	1.9
Week	27	65	1.6	1.8	2.1	2.1	1.8	57	2.1	2.4	2.9	2.7	0.9
	28 29	51 66	1.5 1.4	1.7 1.6	1.8	1.8 1.8	0.8 1.0	50	2.4	2.7	3.1 3.1	2.9 3.0	0.9
	30	38	1.6	1.7	1.9	1.9	0.6	59 52	2.2	2.5	3.0	2.9	1.4
	31	31	1.7	1.9	2.1	2.9	3.7	35	2.2	2.5	2.8	3.6	4.1
	32	46	1.7	1.8	2.2	2.3	1.8	39	2.2	2.9	7.7	5.9	5.7
	33	33	1.7	2.0	2.4	2.5	2.4	35	2.3	2.7	4.3	3.5	2.2
	34	31	1.7	1.9	2.2	3.2	4.1	18	2.4	3.0	4.7	4.4	3.2
	35 36	60 58	1.7	1.8 1.9	2.2	2.3	1.8 2.9	37 35	2.5	3.3 4.4	9.5 12.5	6.4 8.2	5.9 7.5
	37	52	1.8	2.0	2.1	2.3	1.0	18	2.0	2.6	8.6	6.0	5.8
	38	64	2.0	2.4	4.9	4.1	3.7	36	2.6	4.3	8.3	7.1	6.3
	39	55	1.9	2.2	5.8	5.1	5.5	51	2.3	2.9	3.8	4.4	4.1
	40	65	2.0	5.3	11.9	7.3	5.9	23	2.3	3.2	8.7	6.5	6.2
	41	57	1.8	1.9	2.3	2.4	1.2	47	2.3	2.9	6.7	5.5	5.4
	42	72 56	2.2	5.4 5.0	11.4 15.5	6.9 8.4	5.0 6.7	51 48	2.3	2.5	3.3 7.1	3.6 5.6	3.5 5.6
	44	39	1.8	2.0	2.5	3.5	3.8	13	2.7	3.5	7.1	7.1	6.4
	45	51	1.7	1.8	2.1	2.1	1.3	27	2.9	3.8	7.8	6.6	5.9
	46	44	1.7	2.0	2.3	2.7	3.3	23	2.7	3.4	4.5	5.4	5.4
	47	73	1.6	1.8	2.0	2.1	1.2	54	2.3	2.5	3.1	3.5	2.5
	48	58	1.7	2.0	2.3	2.2	0.7	52	2.5	2.9	5.1	5.4	5.4
	49 50	60 46	1.6 1.4	1.9 1.7	2.3 1.9	2.3	1.4 2.9	60 50	2.3	2.7	3.2	3.2	1.9
	51	46 38	1.4	1.7	2.0	2.3	2.9	34	2.3	2.7 3.0	3.1	3.0	1.1 0.9
	52	54	1.4	1.7	1.8	1.7	0.4	59	2.5	2.8	3.0	3.4	2.8
		18	1.5	1.7	1.7	2.0	1.0	23	2.4	2.8	3.4	2.9	0.7

L	54		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	.)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	е	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2674	1.2	1.3	1.6	2.6	5.9 6.9	2474	1.8	2.2	3.0	3.6	5.4 3.0
	Jan Feb	258 116	1.1	1.2	1.3	2.4 4.0	11.4	253 113	1.8 2.0	2.2	2.7 3.0	2.7 5.6	11.8
	Mar	264	1.1	1.2	1.3	3.8	11.0	232	1.8	2.0	2.4	3.2	6.4
	Apr	200	1.2	1.3	1.4	1.4	0.7	168	1.7	1.9	2.3	2.4	4.0
ے	May	226	1.1	1.3	1.4	1.4	1.5	186	1.6	1.8	2.1	1.9	0.5
Month	Jun	223	1.3	1.4	1.6	1.5	0.4 3.2	203	1.6	1.9	2.3	2.0	0.7 6.3
2	Jul Aug	227 177	1.1	1.3 1.4	1.4	1.6 2.2	5.6	221 166	1.7	2.0	2.3	2.7	4.0
	Sep	249	1.4	1.7	3.8	3.2	3.1	244	2.3	3.4	8.0	6.3	6.0
	Oct	262	1.5	4.0	7.3	5.2	5.9	231	2.4	4.6	8.0	6.7	6.4
	Nov	254	1.3	1.4	1.6	1.9	3.4	220	2.0	2.4	3.4	3.0	2.0
	Dec	218	1.1	1.2	1.4	2.5	6.1	237	2.0	2.3	3.1	3.3	4.7
	2	35 46	1.2	1.3 1.3	1.4	2.1 6.5	3.3 15.1	49 52	1.8	2.2	2.7	2.9 3.7	2.4 5.8
	3	75	1.1	1.2	1.3	1.7	2.7	53	1.7	2.2	2.7	2.5	1.4
	4	62	1.0	1.1	1.2	1.2	0.8	59	1.9	2.2	2.6	2.4	0.8
	5	64	1.2	1.3	1.3	2.3	7.7	51	1.9	2.0	2.3	2.5	2.5
	6	32	1.1	1.2	1.5	8.7	17.8	45	1.9	2.2	2.9	6.8	14.7
	7 8	10 18	1.3	1.3 1.5	1.5	1.6	0.7	16 12	2.1	2.8	3.1	6.6 3.7	3.0
	9	44	1.2	1.3	1.4	2.6	5.9	35	1.9	2.3	3.0	5.6	12.7
	10	57	1.1	1.3	1.6	11.3	21.2	43	1.9	2.2	2.6	3.4	7.0
	11	59	1.1	1.3	1.3	1.7	3.1	48	1.7	1.9	2.4	4.2	9.4
	12	63	1.1	1.2	1.3	1.2	0.2	59	1.7	1.9	2.2	2.4	2.6
	13	66	1.1	1.2	1.3	1.5	2.0	72	1.8	2.0	2.4	2.4	1.3
	14 15	64 18	1.2	1.3 1.2	1.4	1.3	0.2	52 9	1.9 1.8	2.1 1.9	2.3	2.5 2.1	1.7 0.5
	16	56	1.2	1.3	1.5	1.5	1.3	49	1.7	1.9	2.2	2.0	0.7
	17	48	1.2	1.3	1.4	1.3	0.4	37	1.6	1.8	2.1	1.9	0.5
	18	60	1.1	1.3	1.3	1.2	0.2	53	1.6	1.8	2.2	3.0	7.0
	19	47	1.1	1.2	1.3	1.6	3.0	46	1.6	1.8	1.9	1.9	0.4
	20	40 49	1.1	1.2	1.3	1.4	1.2 0.5	25 39	1.7	1.9 2.0	2.2	2.0	0.5
	22	58	1.2	1.3	1.6	1.4	0.3	53	1.6	1.8	2.4	1.9	0.7
	23	44	1.3	1.5	1.6	1.5	0.3	44	1.5	1.7	2.1	1.9	0.6
	24	62	1.3	1.4	1.6	1.5	0.3	43	1.7	2.0	2.5	2.2	0.7
	25	54	1.3	1.4	1.6	1.5	0.6	50	1.6	1.9	2.1	2.0	0.6
송	26	48	1.3	1.6	1.7	1.5	0.3	49	1.7	2.0	2.3	2.1	0.7
Week	27 28	64 51	1.2	1.3	1.5	1.3 2.0	0.2 5.3	59 52	1.7	2.1	2.5	2.3	0.9
	29	67	1.1	1.2	1.3	1.2	0.3	57	1.7	1.9	2.3	2.0	0.5
	30	36	1.2	1.3	1.5	2.1	4.6	52	1.6	1.9	2.3	4.5	12.7
	31	30	1.2	1.3	1.4	1.3	0.2	38	1.8	2.1	2.5	2.3	0.8
	32	45	1.2	1.4	1.6	4.1	10.6	37	1.7	2.0	2.4	2.2	0.9
	33 34	35 27	1.2	1.4 1.4	1.7	1.7	1.7 0.2	34 23	1.7	2.1	3.0 2.8	4.0 2.4	8.5 0.8
	35	57	1.3	1.4	1.6	1.7	2.0	47	2.1	2.6	3.4	2.4	1.0
	36	60	1.3	1.3	1.6	1.5	0.5	59	2.0	2.5	3.5	3.2	2.9
	37	53	1.6	2.5	3.8	3.2	2.3	62	2.9	4.0	13.9	8.0	6.5
	38	64	3.5	4.5	7.6	5.6	3.1	57	4.8	10.1	14.1	9.8	5.6
	39 40	61 57	1.3	1.5 3.9	1.7 9.4	2.7 5.6	3.8	56 49	2.0	2.5 6.3	3.7 12.5	4.6 9.4	5.9 9.9
	41	63	1.3	1.4	1.5	1.5	0.5	52	1.9	2.3	3.2	2.6	1.3
	42	72	2.8	5.5	7.3	6.0	5.9	53	3.2	6.0	10.1	7.3	5.0
	43	58	4.0	5.3	10.0	6.7	3.8	66	4.2	6.3	9.8	7.7	4.8
	44	39	1.5	1.9	5.3	5.8	12.3	38	2.1	2.5	4.1	3.8	3.5
	45 46	55 46	1.3	1.3	1.6	2.0	3.5	49	1.9	2.3	3.6	2.9	1.4
	46 47	46 75	1.4	1.5 1.3	1.7	1.7	0.8 1.4	42 54	1.9 2.0	2.3	3.0	3.0	3.1 1.9
	48	62	1.3	1.5	1.6	1.6	0.8	58	2.0	2.5	3.3	3.0	1.5
	49	61	1.2	1.3	1.7	3.3	9.1	62	2.1	2.6	3.7	3.7	3.6
	50	49	1.1	1.2	1.3	2.1	3.6	56	1.9	2.3	2.8	3.7	8.4
	51	36	1.1	1.2	1.4	1.8	2.2	36	2.1	2.5	3.5	3.7	3.0
	52 53	56 16	1.1	1.2 1.1	1.3	2.9 1.1	6.1 0.1	59 24	2.0 1.9	2.2	2.7	2.4	1.0 0.7
ш	JJ	ıυ	1.0	1.1	1.2	1.1	U. I	24	1.9	2.3	2.1	2.4	0.7

L	55		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	r)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2920 292	0.8	0.9	1.0 0.9	0.9	0.4	2700	1.2	1.4	1.7	1.5 1.5	0.7
	Jan Feb	258	0.8	0.8	0.9	0.9	0.2	276 245	1.3	1.4	1.7	1.5	0.4
	Mar	294	0.8	0.8	0.9	0.9	0.3	262	1.2	1.3	1.5	1.5	0.8
	Apr	199	0.8	0.9	1.0	1.0	1.1	170	1.2	1.3	1.4	1.4	1.0
ے	May	225	0.8	0.9	1.0	1.0	0.4	189	1.1	1.3	1.4	1.4	0.6
Month	Jun Jul	228 227	0.9	1.0 0.9	1.1	1.0 0.9	0.4	207 222	1.1	1.2	1.4 1.5	1.4	0.8
2	Aug	179	0.8	0.9	1.1	1.0	0.8	174	1.1	1.4	1.6	1.5	0.9
	Sep	253	0.8	0.9	1.0	1.0	0.3	250	1.3	1.6	1.8	1.7	0.9
	Oct	276	0.8	0.9	1.1	1.0	0.2	242	1.3	1.6	1.9	1.7	0.9
	Nov	261	0.8	0.9	1.0	0.9	0.2	222	1.3	1.5	1.8	1.6	0.6
	Dec 1	228 44	0.8	0.8	0.9	0.9	0.3	241 52	1.3	1.5 1.4	1.8	1.7 1.5	0.7
	2	70	0.8	0.9	1.0	0.9	0.1	71	1.3	1.4	1.6	1.5	0.4
	3	75	0.8	0.8	0.9	0.8	0.3	53	1.2	1.4	1.6	1.4	0.3
	4	62	0.7	0.8	0.9	0.8	0.1	60	1.3	1.5	1.7	1.6	0.4
	5	67	0.8	0.8	0.9	0.9	0.1	55	1.3	1.5	1.7	1.5	0.4
	7	58 63	0.8	0.8	0.9	0.8	0.1	64 67	1.3	1.4	1.6	1.6	1.0
	7 8	63 72	0.8	0.9	0.9 1.0	0.9	0.2	67 61	1.2	1.4	1.7	1.6 1.5	0.7
	9	49	0.8	0.8	1.0	1.0	0.6	45	1.2	1.3	1.5	1.4	0.3
	10	71	0.8	0.8	0.9	0.9	0.1	63	1.3	1.4	1.7	1.6	1.3
	11	76	0.8	0.9	0.9	0.9	0.1	56	1.2	1.3	1.5	1.4	0.2
	12	63	0.8	0.8	0.9	0.9	0.1	59	1.2	1.3	1.4	1.3	0.3
	13 14	66	0.8	0.8	0.9	0.9	0.3 1.4	72 54	1.3	1.3	1.5	1.5 1.4	0.7
	15	63 17	0.8	0.9	1.0	1.1 0.9	0.2	54 10	1.2	1.3	1.5 1.5	1.4	0.5
	16	58	0.8	1.0	1.1	1.0	0.2	50	1.2	1.2	1.4	1.6	1.8
	17	47	0.8	0.9	1.0	1.2	1.5	38	1.1	1.2	1.3	1.2	0.2
	18	61	0.8	0.9	1.0	1.0	0.4	51	1.2	1.3	1.4	1.5	0.9
	19	46	0.8	0.9	1.0	1.0	0.6	46	1.2	1.2	1.3	1.3	0.2
	20	40 48	0.8	0.8	0.9 1.0	0.9 1.0	0.1	26 43	1.2	1.3	1.5 1.4	1.5 1.3	0.7
	22	59	0.8	0.9	1.1	1.1	0.6	51	1.1	1.2	1.3	1.3	0.5
	23	43	1.0	1.0	1.1	1.0	0.2	47	1.0	1.2	1.4	1.6	1.5
	24	65	0.9	1.0	1.1	1.1	0.4	43	1.1	1.2	1.4	1.3	0.4
	25	55	0.9	1.0	1.1	1.0	0.2	51	1.1	1.2	1.4	1.3	0.2
충	26 27	48	0.8	1.0 0.9	1.2	1.0 0.9	0.2	51 58	1.1	1.3	1.4	1.4	0.6
Week	28	65 51	0.8	0.9	1.0	0.9	0.2	53	1.0	1.3	1.5	1.3 1.4	0.3
	29	67	0.8	0.8	0.9	0.8	0.2	57	1.1	1.3	1.4	1.3	0.3
	30	37	0.8	0.9	1.0	0.9	0.2	50	1.1	1.3	1.6	1.4	0.3
	31	30	0.8	1.0	1.1	1.0	0.2	40	1.1	1.3	1.5	1.4	0.3
	32	45	0.8	0.9	1.1	1.0	0.4	39	1.1	1.3	1.6	1.4	0.5
	33 34	36 29	0.8	1.0 0.9	1.1	1.3 0.9	1.7 0.1	36 25	1.2	1.4	1.6 1.5	1.4 1.8	0.5 2.0
	35	56	0.8	0.9	1.1	1.0	0.3	48	1.3	1.4	1.6	1.5	0.4
	36	61	0.8	0.9	1.0	0.9	0.3	59	1.3	1.5	1.8	1.6	0.4
	37	54	0.9	0.9	1.1	1.0	0.2	66	1.3	1.5	1.8	1.7	1.0
	38	62	0.8	1.0	1.1	1.0	0.4	56	1.5	1.6	2.0	1.8	0.5
	39 40	63 58	0.8	0.9 1.0	1.0	0.9 1.0	0.2	56 56	1.3	1.6 1.6	1.8 2.0	1.8 1.9	1.2
	41	71	0.8	0.9	1.0	0.9	0.2	56	1.2	1.4	1.8	1.6	0.7
	42	72	0.8	1.0	1.1	1.0	0.2	53	1.3	1.5	2.1	1.7	0.5
	43	63	0.8	1.0	1.1	0.9	0.2	69	1.4	1.7	1.9	1.7	0.5
	44	39	0.8	1.0	1.1	1.0	0.1	37	1.2	1.5	1.7	1.6	0.5
	45	60	0.8	0.9	1.0	0.9	0.1	52	1.3	1.5	1.8	1.6	0.6
	46 47	47 78	0.9	1.0 0.9	1.1	1.0 0.9	0.2	42 54	1.3	1.6 1.5	1.8 1.8	1.6 1.6	0.4
	48	62	0.8	1.0	1.1	1.0	0.1	58	1.3	1.5	1.8	1.7	0.9
	49	61	0.8	0.9	1.0	0.9	0.2	64	1.4	1.5	1.9	1.8	0.9
	50	51	0.8	0.8	0.9	0.9	0.3	57	1.3	1.6	1.8	1.7	0.6
	51	39	0.8	0.8	0.9	8.0	0.1	36	1.3	1.5	1.8	1.6	0.5
	52 53	61 16	0.8	0.8	0.9	0.8 1.0	0.1	61 23	1.3	1.5 1.5	1.7	1.6 1.7	0.5
	JJ	10	U. I	0.0	0.9	1.0	U.U	23	1.3	1.0	1.8	1.7	0.7

L	56		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Jnit	Pd.			ravel Tin			ır)		1			ate (hou	·)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	- 1	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	2510	0.8	0.8	1.2	1.6	1.9 2.2	2300	1.1	1.2	1.6	1.8	1.7
	Jan Feb	254 226	0.7	0.8	1.0	1.7 1.5	1.9	234 217	1.1	1.3	1.7 1.7	1.8 1.9	1.6
	Mar	258	0.7	0.8	1.3	1.5	2.0	237	1.1	1.3	1.5	1.9	1.7
	Apr	175	0.8	0.8	1.3	1.5	1.7	151	1.1	1.2	1.4	1.8	1.8
£	May Jun	209	0.8	0.8	1.2	1.5 1.5	1.9 1.7	171 175	1.0	1.2 1.1	1.5 1.4	1.8 1.8	1.7
Month	Jul	198	0.8	0.8	1.2	1.4	1.6	200	1.1	1.2	1.5	1.9	1.8
	Aug	155	0.8	0.9	1.5	1.7	1.7	137	1.0	1.2	1.4	1.8	1.7
	Sep	207	0.8	0.9	1.1	1.7	2.0 1.7	195	1.0	1.2	1.4	1.7	1.6
	Oct	228	0.8	0.9	1.2	1.6 1.9	2.2	193 184	1.0	1.2	1.4	1.7 2.0	1.7
	Dec	188	0.7	0.8	1.0	1.3	1.5	206	1.2	1.3	1.8	2.0	1.7
	1	36	0.7	0.8	0.9	1.9	2.5	44	1.1	1.3	1.6	1.6	1.2
	2	62 73	0.8	0.8	1.2	2.0 1.3	2.4 1.5	58 49	1.1	1.2 1.3	1.8 1.7	1.8 1.6	1.5 1.2
	4	52	0.6	0.7	1.3	1.7	2.4	51	1.3	1.6	2.2	2.3	1.9
	5	54	0.7	0.8	1.0	1.7	2.3	48	1.1	1.3	1.6	1.7	1.0
	6	60	0.7	0.8	1.2	1.9	2.5	65	1.3	1.4	1.9	2.0	1.7
	7 8	47 64	0.7	0.8	1.2	1.3 1.4	1.7 1.8	57 49	1.2	1.3	1.7 1.7	1.8 2.2	1.6 2.0
	9	39	0.8	0.8	0.9	1.2	1.3	35	1.1	1.2	1.3	1.3	0.4
	10	59	0.7	0.8	1.3	1.7	2.3	52	1.1	1.2	1.6	2.0	1.9
	11	68	0.7	0.8	1.2	1.4	1.8	52	1.2	1.3	1.5	1.9	1.8
	12 13	60 59	0.8	0.8	1.8	1.7	2.0 1.8	61 63	1.1	1.3	1.5 1.5	1.9 1.7	1.6 1.5
	14	54	0.8	0.8	1.6	1.7	1.8	48	1.1	1.2	1.4	1.6	1.0
	15	13	0.8	0.8	0.9	1.1	0.8	11	1.1	1.2	1.3	1.8	1.5
	16 17	51 42	0.8	0.9	1.0	1.6 1.2	2.0 0.8	42 33	1.0	1.2 1.2	1.7 1.4	1.8 2.1	1.5 2.5
	18	56	0.8	0.8	1.2	1.7	2.1	43	1.1	1.3	1.6	1.9	1.8
	19	43	0.8	0.8	1.7	1.9	2.3	44	1.0	1.2	1.5	1.7	1.3
	20	38	0.7	0.8	1.1	1.4	1.9	24	1.0	1.2	1.6	1.9	2.1
	21	41 56	0.8	0.8	1.0	1.3 1.3	1.7 1.5	40 45	1.0 0.9	1.2 1.1	1.2 1.6	1.4 2.1	1.0 2.2
	23	40	0.8	0.9	1.0	1.4	1.3	41	1.0	1.1	1.4	1.5	1.4
	24	60	8.0	0.9	1.0	1.6	1.9	39	1.0	1.2	1.4	1.8	1.6
	25 26	47 44	0.8	0.9	2.3	2.1	2.4 0.5	40 45	1.0 0.9	1.1	1.6 1.3	2.0 1.9	1.9 2.0
Week	27	56	0.8	0.8	1.1	1.3	1.1	47	1.0	1.1	1.5	1.8	1.7
>	28	51	0.7	0.8	1.3	1.8	2.1	51	1.1	1.2	1.5	1.6	1.2
	29	60	0.7	0.8	1.2	1.4	1.7	51	1.0	1.2	1.3	1.8	2.0
	30	26 25	0.7	0.8	0.9 1.2	1.1	0.9 1.2	42 33	1.0	1.1	1.4	2.1	2.2 1.9
	32	42	0.8	0.9	2.0	1.7	1.7	33	0.9	1.1	1.4	1.7	1.8
	33	33	0.8	1.0	2.4	2.1	2.0	33	1.0	1.3	1.5	1.7	1.5
	34	24	0.8	0.9	1.0	1.5	1.8	19	1.0	1.2	1.3	1.4	0.9
	35 36	43 48	0.8	0.9	1.3	1.5 1.4	1.5 1.6	34 45	1.1	1.2	2.2 1.3	2.1 1.6	1.8
	37	43	0.8	0.9	1.1	1.6	1.6	58	1.0	1.1	1.4	1.8	1.9
	38	54	0.8	0.9	1.2	2.0	2.4	41	1.0	1.3	1.6	1.7	1.6
	39 40	51 48	0.8	0.9	1.0	1.8 1.7	2.4 1.8	41 40	0.9 1.0	1.1 1.1	1.3 1.5	1.5 1.9	1.5 2.1
	41	58	0.8	0.9	1.0	1.7	1.5	45	1.0	1.1	1.5	1.9	1.8
	42	56	0.8	0.9	1.3	1.6	1.6	43	1.0	1.2	1.3	1.4	1.2
	43	53	0.8	0.9	2.3	2.0	2.2	55	1.0	1.2	1.5	1.9	2.0
	44 45	34 50	0.8	0.9	1.0	1.4 1.7	1.4 2.0	35 44	1.0	1.1	1.5 2.4	1.7 2.5	1.3 2.3
	46	38	0.8	1.0	2.8	2.4	2.0	36	1.1	1.2	1.4	1.5	1.3
	47	63	0.7	0.8	1.3	1.7	2.0	43	1.0	1.3	1.6	1.9	1.7
	48	48	0.8	0.9	1.1	1.8	1.9	46	1.1	1.2	1.8	2.0	1.9
	49 50	41 41	0.8	0.9	1.0 0.9	1.6 1.3	2.0 1.6	51 44	1.1	1.3 1.3	1.7 1.7	2.0 1.7	1.9 1.5
	51	32	0.7	0.8	1.1	1.1	0.7	36	1.2	1.3	1.7	2.0	1.8
	52	55	0.7	0.8	0.9	1.2	1.4	57	1.2	1.4	2.0	2.0	1.7
Ц	53	19	0.7	0.7	1.2	1.5	1.7	18	1.2	1.5	1.8	1.9	1.6

**Travel Time Estimate Results by Link, 2014** 

L	1		Do	wnstrea	m Direc	tion				Upstrear	n Direction	on	
Juit	Pd.			ravel Tir			ır)					ate (houi	·)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	-	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	723 47	2.8 3.3	4.0	5.9 6.5	5.0 7.0	3.9 8.8	722 46	3.3	4.5 4.0	6.2 7.0	5.5 5.8	4.9 3.8
	Feb	38	2.0	2.6	3.7	3.3	1.9	39	2.8	3.7	4.8	6.1	8.3
	Mar	54	3.0	3.9	4.8	4.1	1.9	56	3.5	4.4	5.7	5.1	2.8
	Apr	64	3.2	4.4	7.0	5.5	3.7	59	3.5	5.2	6.4	5.4	2.6
£	May Jun	50 50	2.5 3.1	3.7	5.5 5.7	4.4 4.8	2.6 3.4	54 51	3.2	4.2 4.7	5.5 6.3	6.4 5.6	7.4 4.2
Month	Jul	71	2.3	3.3	4.8	3.9	2.1	68	3.3	4.7	6.5	4.9	2.0
	Aug	54	2.7	3.4	5.5	4.4	2.4	55	3.2	4.2	5.2	5.9	8.8
	Sep Oct	52 75	3.0 3.6	4.7 5.3	5.8 7.0	5.1 6.2	3.5 4.7	55 74	3.3 3.9	4.1 5.1	5.0 6.8	4.5 6.7	2.0 6.7
	Nov	87	3.4	4.4	6.1	5.2	3.6	85	3.3	4.3	5.5	4.7	2.2
	Dec	81	3.3	4.3	6.1	5.1	2.8	80	4.1	5.4	6.8	5.8	2.8
	1	6	1.9	3.1	3.5	3.7	2.7	7	2.5	3.0	4.0	3.6	1.6
	2	12 11	3.6 2.0	4.5 3.3	13.8 4.5	12.5 3.7	14.2 1.8	10 12	3.2 3.8	5.0 4.1	9.9 7.2	7.5 5.6	5.4 3.4
	4	13	3.4	4.7	6.0	7.1	6.9	11	4.2	6.8	8.8	6.9	3.2
	5	6	4.1	5.1	6.1	5.1	1.2	6	3.7	3.7	4.6	4.0	0.8
	6	9	1.9	2.1	2.8	2.9	1.5	9	2.8	3.0	3.7	3.3	0.8
	7 8	8 12	2.2	2.2 3.2	2.3 5.6	2.3 3.8	0.2 1.6	9	2.7 3.9	2.8 4.5	3.0 7.3	2.9 9.2	0.4 11.4
	9	9	1.9	3.6	3.9	4.8	3.8	9	3.8	5.0	6.0	7.3	7.9
	10	13	3.2	3.8	4.5	3.8	1.4	12	3.1	3.8	5.7	5.0	3.1
	11 12	10 15	2.4 3.0	4.0 4.1	4.7	3.6 3.9	1.3 1.2	10 14	3.6 4.1	4.8 4.5	5.9 5.4	5.0 5.1	1.7
	13	12	3.4	3.9	5.7	4.7	2.1	13	3.1	3.6	4.7	3.9	1.3
	14	14	3.5	5.7	7.6	6.8	5.2	14	3.3	5.3	6.4	6.0	4.2
	15	17	2.0	3.2	4.7	3.9	2.6	16	4.3	5.4	6.4	5.5	2.3
	16 17	16 11	3.6 3.5	4.6 4.2	6.5 6.8	4.9 5.7	2.2 3.5	14 14	4.0 2.9	5.0 5.3	5.8 7.4	5.0 5.9	1.5 3.4
	18	15	3.3	5.2	7.9	5.8	3.2	12	3.3	4.0	5.8	4.9	2.3
	19	13	4.2	5.3	5.8	5.4	2.7	14	4.1	4.5	5.5	5.0	1.9
	20	9	2.4 1.7	3.4	4.7	3.9	2.0	10	2.5 3.0	3.6 3.7	5.3 4.9	6.9	9.0
	22	11	2.1	3.2	4.0	3.9	2.8	14	3.7	4.3	6.9	7.8	8.6
	23	10	3.1	3.8	6.5	5.5	3.6	11	3.7	4.3	4.8	4.6	2.2
	24	12	3.3	4.3	5.1	4.2	1.1	10	4.5	4.6	6.4	5.5	3.5
	25 26	13 13	3.5 2.4	4.5 3.2	7.1 3.7	4.9 4.7	1.8 5.4	13	3.4	5.3 4.7	7.4 5.5	5.8 6.5	2.7 6.8
Week	27	13	2.3	3.3	5.0	3.9	2.0	15	4.7	6.0	6.6	5.5	1.3
>	28	16	2.3	2.6	3.7	3.3	1.6	14	3.6	4.4	5.1	4.6	2.0
	29	14	2.5	4.5	5.6	4.5	2.1	15	2.8	3.8	5.3	4.4	2.1
	30	15 20	2.3	2.9 3.8	4.3 5.0	4.0	2.6	17 14	3.2	5.1 4.3	7.0 6.0	5.1 4.8	1.9 2.1
	32	12	2.9	4.8	5.5	4.5	2.0	17	2.9	4.1	4.8	7.9	14.9
	33	16	2.5	3.3	6.7	4.6	2.9	12	3.7	4.7	6.5	5.2	1.9
	34	10 11	2.9	3.1	3.5	3.5 4.7	1.5 2.7	10 12	3.0 3.5	3.5 4.5	4.8 5.3	4.4 5.7	2.3 4.7
	35 36	13	2.6 4.1	4.6	7.7 5.3	4.7	1.8	14	3.5	3.8	4.8	4.3	1.3
	37	10	2.3	4.0	5.0	4.0	1.9	15	2.7	3.5	4.8	4.3	2.5
	38	13	3.3	5.0	5.8	5.5	3.6	9	4.0	4.3	7.0	5.5	1.8
	39 40	11 15	2.9 3.2	4.9 4.4	7.4 5.5	6.5 4.5	5.5 1.7	12 16	3.5 3.8	4.2 6.0	4.7 7.1	4.0 5.8	1.2 2.6
	41	15	4.7	6.2	7.5	8.1	7.7	16	4.1	5.9	7.1	5.8	1.9
	42	18	4.3	5.8	7.0	6.2	3.4	15	4.0	5.3	6.0	7.0	6.5
	43	19	2.3	3.8	5.1	4.7	3.6	18	3.0	4.3	5.2	7.7	11.3
	44 45	16 20	4.1 4.2	5.4 4.7	7.4 6.3	6.5 6.7	3.8 6.3	16 20	4.2 3.5	4.9 4.7	6.6 6.2	6.2 5.0	3.8 2.4
	46	19	3.5	4.4	7.8	5.2	2.4	22	4.2	4.8	6.0	5.0	1.5
	47	20	3.2	4.3	5.1	4.4	1.8	20	2.9	3.4	3.9	3.6	1.2
	48	22	3.7	4.3	6.0	4.8	2.1	20	3.3	4.2	5.0	5.0	3.1
	49 50	20 18	3.0	3.8 5.3	5.9 6.9	5.1 5.5	3.4 2.3	19 21	4.2 3.5	5.3 5.2	7.0 7.6	5.8 5.9	2.6 3.4
	51	20	3.4	4.3	6.6	5.0	2.1	19	4.4	5.9	6.7	5.9	2.3
	52	18	3.5	4.6	5.6	4.9	2.3	15	3.7	4.7	6.0	4.8	1.6
	53	8	2.0	3.0	4.7	4.7	4.3	8	5.4	6.0	6.9	6.7	3.5

L	2		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Jnit	Pd.			ravel Tir			ır)		1			ate (hour	)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	- 1	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	780 52	2.9	4.1 3.3	7.1 4.4	7.3 4.3	9.4 3.5	775 51	3.5	4.7	7.0 5.8	7.7 5.3	9.4 4.5
	Feb	42	2.1	3.0	5.1	4.3	3.3	46	2.6	3.2	4.2	3.7	1.8
	Mar	61	3.0	3.9	6.6	5.4	4.7	60	3.5	4.4	6.1	5.0	2.2
	Apr	71	2.9	4.4	6.8	5.3	3.3	67	4.1	5.2	8.2	6.6	4.9
ţ	May Jun	50 57	3.2 2.9	4.9 4.0	8.8 8.1	7.9 7.7	8.3 8.5	56 60	4.0 3.6	7.6 4.3	15.7 6.3	11.1 8.7	9.4
Month	Jul	79	2.4	3.2	5.2	4.5	3.9	74	3.4	4.4	5.6	5.1	3.1
	Aug	58	3.9	6.8	13.6	10.6	10.5	58	4.5	7.0	11.8	10.4	9.8
	Sep Oct	55 80	12.8 3.2	29.7 3.8	44.4	29.1 4.7	17.4 3.6	54 80	7.4 4.0	24.9 4.8	42.1 6.3	25.2 6.2	18.2 6.1
	Nov	86	3.0	3.9	5.3	4.7	2.7	86	3.2	4.1	5.3	4.5	2.3
	Dec	89	2.6	3.7	5.2	4.7	4.1	83	3.0	4.3	5.7	4.6	2.0
	2	6 12	2.9	3.0 3.4	3.2 4.2	3.8	2.5 1.3	8 10	2.1 3.6	2.7 4.0	4.2 5.6	3.2 4.3	1.5 1.2
	3	13	1.9	2.2	3.2	2.5	1.0	13	2.5	3.9	5.8	6.5	7.5
	4	15	3.3	3.6	4.6	4.8	3.5	13	3.7	4.5	7.0	5.4	2.0
	5	8	4.7	5.1	8.3	7.6	5.5	9	3.0	4.9	5.1 3.4	6.1	4.1
	6 7	9	1.9 2.0	2.8	3.7	5.3 2.5	5.5 0.6	10	3.0 2.6	3.1 2.7	3.4	3.3	0.6
	8	13	2.9	4.7	5.9	4.7	2.1	16	2.6	3.8	4.8	4.4	2.7
	9	10	1.8	2.7	3.8	3.7	2.8	11	2.6	3.7	4.5	3.6	1.1
	10	13 13	2.9 3.5	4.7 6.8	6.6 8.2	4.7 7.8	2.1 7.4	13	4.1	4.5 5.5	5.7 6.0	5.2 5.3	2.5 1.5
	12	15	3.2	4.4	5.5	4.9	2.5	16	3.5	4.3	6.7	5.3	2.5
	13	15	3.2	3.7	4.8	5.4	4.8	15	3.3	4.2	5.3	4.4	1.5
	14	15	3.5	3.9	5.2	4.1	1.2	15	3.2	5.3	7.3	6.8	5.9
	15 16	17 18	1.7 2.6	3.2 5.0	4.2 6.9	3.8 5.4	3.0	17 15	3.8	4.7 5.2	6.3 8.7	5.3 7.6	2.7 7.1
	17	14	3.7	6.8	8.8	7.0	3.8	17	4.2	6.4	8.3	7.0	3.0
	18	16	3.1	5.0	9.2	5.9	3.4	15	3.8	4.5	8.0	5.8	2.9
	19 20	15 11	2.7 4.5	4.1 5.9	5.1 10.2	4.2 7.4	2.0 3.8	15 13	3.7	6.3 5.2	8.0 8.9	5.9 8.0	2.7 8.0
	21	9	4.5	7.5	9.3	10.9	11.7	8	19.7	21.9	25.2	23.4	6.0
	22	10	3.4	7.9	15.6	12.6	11.9	13	6.0	12.8	20.4	15.2	11.0
	23 24	11	8.9	13.7	28.6	17.3 5.4	10.8 5.2	12 14	4.2 3.0	19.3 4.0	48.8	25.7 4.4	21.6
	25	16 15	2.0 3.4	3.8	5.3 6.0	6.3	8.2	18	3.3	4.0	5.7	4.4	2.1 1.7
¥	26	13	2.8	3.0	4.4	3.6	1.6	11	3.9	4.3	4.6	4.1	1.0
Week	27	16	2.9	4.1	5.8	4.4	2.3	17	4.3	4.6	7.1	5.4	2.2
	28 29	18 16	2.2	2.6 3.2	4.5 5.4	4.2	4.0 2.1	18 15	3.4 2.7	4.5 3.9	5.1 6.0	4.4 4.7	1.4 2.4
	30	17	2.5	2.9	4.8	5.5	6.5	18	3.8	5.0	5.6	5.5	3.5
	31	18	2.9	3.4	5.8	4.2	2.2	14	3.3	3.9	4.7	5.3	4.7
	32	16 17	2.6 7.3	4.3 9.3	5.0 17.7	4.4 15.8	2.4 13.3	21 13	3.6 5.8	4.7 10.1	6.9 22.8	6.1 16.4	5.9 12.5
	34	10	9.3	13.4	19.2	15.4	11.5	9	8.9	11.5	17.4	16.2	11.9
	35	10	4.8	7.0	13.1	8.6	5.7	10	4.9	7.3	11.8	8.4	4.3
	36	13	20.6 19.8	31.1 29.3	50.0	34.0 28.3	17.5 9.9	17 14	7.3 39.4	9.8	19.0	13.7	10.2 12.9
	37 38	10 12	19.8	46.9	37.5 51.9	46.2	9.9	14 6	39.4	45.8 49.9	49.0 53.2	42.5 45.1	13.2
	39	13	13.4	26.0	30.4	23.3	11.8	11	13.8	24.8	29.8	22.1	10.1
	40	19	3.1	4.3	5.8	5.2	2.9	22	3.8	5.0	6.7	7.0	7.7
	41 42	15 20	3.3	3.9 3.7	4.7	4.5	2.0 1.6	16 17	4.7	5.4 4.7	6.3	5.7 7.7	1.7 9.1
	43	19	2.8	3.4	4.8	3.8	1.6	18	4.2	4.7	7.0	5.1	1.9
	44	19	3.8	3.9	6.8	6.2	6.0	17	2.8	4.1	4.6	4.2	2.1
	45 46	21 19	3.1	3.8 4.5	5.3 6.6	4.3 5.6	2.0 4.1	20	3.8	4.5 4.3	5.4 5.4	4.5 4.4	1.5
	47	19	2.8	3.9	5.5	4.6	2.7	20	3.0	3.7	5.0	4.4	3.8
	48	21	3.4	4.0	4.3	4.2	1.8	18	3.5	4.0	4.9	4.4	1.4
	49	25	2.3	3.4	4.9	4.8	4.8	23	2.6	4.3	5.5	4.4	1.9
	50 51	20 19	2.6	3.2	5.0 5.1	3.7 4.1	1.6 2.4	21 19	3.2	4.4 5.3	5.7 7.3	4.7 5.5	2.2
	52	20	3.7	4.5	7.3	6.5	5.9	16	3.2	4.0	4.9	4.1	1.4
	53	7	2.0	3.3	4.0	3.1	1.3	8	2.9	3.5	4.3	3.7	0.9

L	3		Do	wnstrea	m Direc	tion				Upstrear	n Direction	on	
Jnit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	·)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	653 63	1.0	1.2	1.4	1.5 1.5	1.4	669 62	1.3	1.6	2.1	2.0	1.3
	Jan Feb	52	1.0	1.1	1.3	1.4	1.2	55	1.3	1.4	1.9	1.8	1.1
	Mar	62	1.0	1.2	1.4	1.4	0.9	61	1.3	1.5	2.1	1.9	1.2
	Apr	55	0.9	1.1	1.3	1.4	1.0	58	1.2	1.6	1.8	1.7	0.8
£	May Jun	68 65	0.9	1.1	1.3	1.2	0.7 0.5	74 64	1.2	1.4	1.7 2.3	1.8 2.0	1.3
Month	Jul	78	1.0	1.2	1.5	1.5	1.2	80	1.2	1.5	1.8	1.7	1.0
	Aug	9	1.1	1.2	1.5	1.3	0.3	9	1.7	2.2	3.5	3.5	2.8
	Sep Oct	10 21	1.3 1.4	1.7 2.2	5.6 8.3	3.7 4.5	3.3 3.8	14 29	1.6	1.8	2.1	2.0	0.7 1.1
	Nov	78	1.1	1.3	1.5	1.4	0.7	78	1.2	1.5	1.8	2.1	1.8
	Dec	92	1.0	1.2	1.4	1.5	1.1	85	1.3	1.5	2.1	2.1	1.5
	1	7	0.9	1.1	1.2	1.3	0.8	9	1.2	1.5	3.8	2.5	1.8
	2	15 15	1.0 0.8	1.2 1.0	1.5 1.1	1.6	1.3 1.2	13 14	1.3	1.6 1.7	2.5 3.1	2.0	0.9 1.3
	4	18	1.1	1.5	1.6	1.7	1.1	16	1.3	1.7	3.0	2.3	1.3
	5	11	1.2	1.4	1.8	1.5	0.4	12	1.9	2.0	2.6	2.6	1.5
	6 7	9	1.3	1.4 1.1	1.9	2.7 1.2	2.4 0.4	9	1.4	1.8	2.2 1.4	2.3 1.3	1.3 0.2
	8	14	1.0	1.1	1.2	1.1	0.4	17	1.3	1.3	1.8	1.9	1.3
	9	12	0.9	1.0	1.1	1.1	0.4	13	1.2	1.8	2.3	2.0	1.1
	10	15	1.0	1.3	1.4	1.4	0.6	16	1.2	1.3	1.9	1.7	0.9
	11 12	16 13	1.0	1.1	1.2	1.3	0.8 1.3	11	1.4	1.7	3.0 1.8	2.4	1.4
	13	13	1.1	1.2	1.4	1.4	0.7	13	1.3	1.5	2.0	1.7	0.7
	14	15	0.9	1.0	1.2	1.3	0.9	14	1.4	1.7	2.0	1.9	0.8
	15 16	8 15	0.9 1.0	1.0	1.2	1.2	0.6 1.5	11	1.4	1.7	2.1 1.9	1.9 1.7	1.0 0.7
	17	13	1.1	1.1	1.3	1.3	0.4	16	1.2	1.5	1.7	1.8	0.7
	18	16	1.0	1.2	1.3	1.2	0.4	18	1.2	1.3	1.7	1.7	1.0
	19	19	1.0	1.2	1.3	1.2	0.5	16	1.3	1.5	1.7	1.6	0.7
	20	14 17	0.9	1.1 0.9	1.3 0.9	1.3	0.7	17 15	1.0	1.2	1.5 1.6	1.5 2.0	1.0 2.1
	22	11	1.0	1.2	1.3	1.6	1.2	17	1.3	1.6	1.8	1.9	1.2
	23	20	1.0	1.3	1.5	1.4	0.8	16	1.2	1.5	1.6	1.6	0.8
	24 25	14 17	1.0 0.8	1.1	1.3	1.1	0.2	14 20	1.2	1.5 1.7	2.5 2.8	2.4	1.8
Ļ	26	13	0.9	1.2	1.2	1.1	0.4	9	1.6	1.7	2.3	2.2	1.3
Week	27	12	1.1	1.2	1.4	1.3	0.3	18	1.5	1.8	1.9	2.0	0.9
_	28	16	1.1	1.3	1.9	2.1	2.0 0.2	20	1.2	1.5	1.9	1.7	1.0
	29 30	20 18	1.1 0.9	1.2 1.2	1.4 1.5	1.3	0.2	16 22	1.1	1.3	1.7 1.7	1.6 1.7	0.7
	31	13	1.0	1.1	1.2	1.6	1.8	9	1.1	1.2	1.3	1.8	1.5
	32	4	1.1	1.1	1.4	1.3	0.4	1	1.7	1.7	1.7	1.7	0.0
	33	3	1.0	1.0 1.5	1.0	1.0 1.5	0.0	3	2.3 1.8	4.7 1.8	7.8 2.7	5.4 2.4	3.3 0.8
	35	1	1.3	1.3	1.3	1.3	0.0	0	-	-	-	-	-
	36	0	-	-	-	-	-	2	1.6	1.8	1.9	1.8	0.3
	37 38	2	5.0 1.1	6.5 1.2	8.1 1.4	6.5 1.3	3.1 0.3	5	2.1 1.6	2.2 1.7	2.3 1.8	2.2 1.8	0.2
	39	3	1.1	1.6	5.5	4.2	3.8	3	1.6	1.7	1.9	1.8	0.3
	40	8	1.8	7.3	9.8	6.3	3.9	11	1.4	1.7	2.1	1.9	0.8
	41	4	1.4	1.8	4.2	3.8	3.7	3	2.3	2.4	3.0	2.8	0.6
	42	6 3	1.2 3.0	1.5 4.6	2.9 5.2	3.3	3.8 1.8	9	2.0 1.8	2.3	3.1 2.3	2.4	0.7
	44	3	2.0	2.6	3.6	2.9	1.3	4	2.3	3.3	4.8	3.7	1.8
	45	8	1.1	1.3	1.4	1.2	0.2	5	1.1	1.5	2.3	2.7	2.4
	46 47	18 23	1.1	1.2 1.3	1.3	1.2 1.5	0.2 1.0	21	1.2	1.5 1.4	1.8 1.8	2.2	1.9
	48	25	1.1	1.3	1.6	1.4	0.6	24	1.3	1.6	1.9	2.1	1.7
	49	24	1.0	1.1	1.4	1.3	0.9	20	1.3	1.5	2.1	2.0	1.3
	50	24	1.0	1.2	1.4	1.4	0.8	24	1.2	1.5	2.1	2.1	1.5
	51 52	17 22	1.0	1.3 1.2	1.3 1.5	1.3	0.4 1.6	19 18	1.2	1.5 1.4	1.8 1.7	1.7 2.0	0.8 1.5
	53	7	1.0	1.2	1.5	1.6	1.0	8	1.6	1.7	3.8	2.9	2.1
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L	4		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	ne Estim	ate (hour	)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	617	2.7	4.2	6.3	5.9	7.4 4.6	614	3.4	4.8	6.8	6.3	6.7 5.3
	Jan Feb	60 51	3.2 3.2	5.3 5.3	9.2 7.2	6.5 6.1	4.6	60 53	3.9	5.9 3.9	8.7 5.9	7.6 5.6	5.2
	Mar	62	3.0	3.9	6.2	6.7	11.2	63	4.0	5.2	7.1	6.7	7.1
	Apr	56	3.1	4.2	6.9	7.4	12.1	60	4.2	5.0	8.3	8.2	12.1
_	May	68	2.4	3.7	5.0	4.0	2.1	71	2.8	4.3	6.9	6.1	6.2
Month	Jun	62	2.5	4.0	6.7	5.1	3.5	64	3.8	4.5	6.4	5.5	4.4
Ž	Jul	83 1	2.3 1.6	3.5 1.6	5.5 1.6	5.9 1.6	8.8 0.0	75 0	2.9	4.5	5.8	6.1	7.0
	Aug Sep	2	17.1	29.8	42.5	29.8	25.4	2	4.8	5.3	5.9	5.3	1.1
	Oct	2	21.4	31.3	41.2	31.3	19.9	2	5.3	5.7	6.1	5.7	0.8
	Nov	74	3.4	4.9	6.2	5.2	2.9	73	3.4	4.3	5.9	4.9	2.3
	Dec	96	2.5	3.7	6.2	5.2	4.4	91	3.2	5.4	7.1	6.7	6.7
	1	8	3.0	4.4	5.6	4.1	1.5	10	3.0	5.0	7.0	5.1	2.2
	3	14 14	3.0 2.2	7.8 4.2	12.8 4.9	9.1	6.6 1.8	13 13	3.8	5.2 5.5	12.2 6.0	9.1 6.6	7.3 5.9
	4	17	5.1	5.8	10.4	7.5	3.8	15	5.3	7.4	10.4	8.1	3.4
	5	10	5.5	6.6	8.7	7.2	2.3	11	4.4	5.8	11.2	7.9	4.8
	6	8	12.6	15.8	18.3	15.1	5.1	8	3.3	6.1	8.0	7.1	4.6
	7	15	3.3	3.8	5.8	4.6	1.9	14	3.3	3.9	5.2	4.2	1.4
	8	14 12	2.7 1.9	4.2 3.3	6.0 5.3	4.4 3.7	1.8 1.8	17 12	3.2	3.9 4.8	5.1 6.8	6.0	7.6 4.0
	10	15	3.4	3.7	6.7	4.6	2.3	17	3.2	4.6	6.2	4.8	2.1
	11	18	2.1	3.5	5.8	4.6	3.5	14	4.7	5.3	6.1	5.8	2.3
	12	11	3.4	3.8	5.3	15.1	24.2	15	4.1	6.8	10.7	10.4	13.0
	13	12	4.4	5.3	6.7	6.3	2.8	14	4.0	4.8	9.4	6.5	3.5
	14	15	3.2	3.9	6.0	4.8	2.5	14	4.5	5.0	8.0	10.5	16.5
	15 16	10 14	2.5 3.1	3.2 6.0	5.3 10.9	16.2 6.7	26.2 3.8	11	4.5 2.7	5.1 4.7	6.7 8.4	8.0 9.6	9.3
	17	14	3.4	4.4	6.3	5.2	2.5	15	3.8	5.2	6.0	5.4	2.6
	18	16	3.5	4.1	4.7	4.1	1.4	17	2.7	4.6	7.9	5.5	3.1
	19	19	2.5	4.0	5.6	4.4	2.4	18	3.9	5.5	8.1	6.5	4.2
	20	13	2.7	3.0	4.2	3.5	1.9	15	2.2	2.7	4.6	5.7	8.0
	21	17	1.9	3.2	4.1	3.6	2.2	13	2.9	5.1	8.4	8.1	9.4
	22	11 20	3.2 2.3	4.3 3.8	5.7 5.2	4.2 5.0	1.6 4.1	18 16	3.7	4.2	5.4 6.6	5.2 5.3	3.2
	24	12	2.0	3.1	6.7	4.8	3.5	12	3.8	4.2	4.6	4.2	1.5
	25	15	3.1	3.8	4.5	4.1	2.0	18	3.3	4.8	6.7	5.1	2.2
¥	26	14	4.3	6.8	7.6	6.4	3.6	12	4.4	4.8	6.4	7.4	8.6
Week	27	17	3.7	4.9	7.1	8.4	11.9	18	4.2	4.7	6.7	7.3	7.8
	28 29	18 20	2.5 2.1	4.1 3.2	5.8 3.7	5.8 4.4	7.2 5.8	20 13	3.4	4.6 5.1	5.8 5.4	6.3 5.3	7.2
	30	18	2.3	2.5	5.2	6.3	10.9	20	2.7	3.9	5.1	5.9	8.2
	31	12	2.2	3.2	5.2	4.0	2.2	10	2.7	3.4	6.2	4.4	2.4
	32	0	-	-	-	-	-	0	-	-	-	-	-
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34 35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	0	-	-	-	-	
	37	1	55.2	55.2	55.2	55.2	0.0	0	-	-	-	-	-
	38	1	4.4	4.4	4.4	4.4	0.0	2	4.8	5.3	5.9	5.3	1.1
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	1	- 11.4	- 11.4	- 11.4	- 11.4	-	0 1	- 6 5	- 6 5	- 6 5	- 6 5	-
	41 42	1	11.4 51.2	11.4 51.2	11.4 51.2	11.4 51.2	0.0	0	6.5	6.5	6.5	6.5	0.0
	43	0	-	-	-	-	-	1	4.9	4.9	4.9	4.9	0.0
	44	0	-	-	-	-	-	0	-	-	-	-	-
	45	9	3.7	4.0	5.5	6.2	4.6	5	4.1	4.1	4.8	4.5	8.0
	46	17	3.2	5.4	6.0	5.1	2.1	20	3.7	4.2	5.5	4.5	1.4
	47 48	22	3.5 2.9	3.9 5.0	5.9 7.2	5.0	2.6 2.9	22	2.7 4.1	4.0 5.2	5.3	4.4 5.8	2.1
	48	27	3.5	4.5	6.7	5.3 5.9	4.2	23	4.1	6.2	6.6 8.8	5.8 8.8	9.7
	50	24	3.1	4.3	7.6	5.6	4.0	27	3.5	5.3	6.9	6.7	7.1
	51	18	2.0	2.5	4.5	4.7	6.3	19	3.1	5.4	6.5	5.8	3.4
	52	22	2.3	3.3	5.8	4.5	3.1	16	2.7	4.0	5.0	4.2	2.0
	53	7	2.8	3.6	5.0	4.0	1.7	8	5.6	6.0	7.1	6.3	1.9

L	5		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	403	0.5	0.6	1.2	1.1	1.0	353	0.7	0.8	1.2	1.2	0.8
	Jan Feb	61 67	0.5 0.5	0.6	1.2 0.8	1.0 0.9	0.8	64 63	0.8	0.9	1.5 1.0	1.3 0.9	1.0 0.6
	Mar	45	0.5	0.6	0.8	0.9	0.8	53	0.7	0.8	1.0	0.9	0.4
	Apr	28	0.5	0.5	1.2	1.0	0.7	33	0.8	0.9	1.1	1.1	0.6
	May	42	0.5	0.7	1.1	1.2	1.2	36	0.8	0.9	1.1	1.1	0.6
Month	Jun	27	0.5	0.7	1.2	1.2	1.2	22	0.8	0.9	1.3	1.2	0.8
Ž	Jul	31 0	0.6	0.7	1.6	1.2	0.9	10 0	0.8	1.0	1.3	1.1	0.4
	Aug Sep	0	-	-	-	-	-	1	1.0	1.0	1.0	1.0	0.0
	Oct	0	-	-	-	-	-	0	-	-	-	-	-
	Nov	46	0.6	0.8	1.2	1.1	1.0	27	8.0	0.9	1.3	1.3	0.9
	Dec	56	0.5	0.7	1.4	1.2	1.1	44	0.8	1.1	2.0	1.6	1.2
	1	5	0.5	0.6	0.9	0.9	0.6	7	0.7	0.8	1.5	1.1	0.7
	3	15 19	0.5 0.5	0.6	1.3	1.0	0.8	16 16	0.7	0.8	1.0 1.5	1.1	0.9
	4	14	0.5	0.6	0.8	0.9	0.6	14	0.7	0.9	0.9	1.1	0.8
	5	13	0.7	0.8	0.8	1.2	0.9	15	0.8	1.3	2.0	1.6	1.1
	6	11	0.6	0.7	0.7	1.1	1.1	11	0.6	0.7	0.9	1.0	0.6
	7	20	0.4	0.5	0.6	0.7	0.6	16	0.6	0.7	0.9	0.7	0.3
	9	18 14	0.5 0.4	0.5 0.5	1.2	1.1 0.8	1.1 0.6	20 13	0.6	0.8	1.3	1.1 0.9	0.7
	10	15	0.4	0.6	1.1	1.1	1.0	19	0.7	0.8	0.9	0.9	0.3
	11	12	0.5	0.5	0.7	0.6	0.2	12	0.7	1.0	1.1	1.1	0.6
	12	8	0.5	0.6	0.7	8.0	0.5	10	0.7	0.8	1.0	0.9	0.2
	13	7	0.5	0.7	1.3	1.1	0.8	10	0.6	0.8	0.9	0.8	0.3
	14	7	0.5	0.5	0.5	0.5	0.0	8	0.9	1.0	1.5	1.3	0.7
	15 16	3	1.0 0.5	1.6 0.5	1.7 0.8	1.3 0.8	0.6	6 7	0.7	1.0 0.8	1.6 0.9	1.2 0.8	0.5
	17	10	0.6	1.0	1.4	1.2	0.8	7	0.7	0.8	1.1	1.1	0.8
	18	11	0.5	0.5	1.4	1.0	0.9	10	0.7	0.8	0.9	0.8	0.2
	19	14	0.6	0.7	0.8	1.0	0.8	10	0.7	0.9	0.9	1.0	0.7
	20	6	0.6	0.6	0.6	0.6	0.1	7	0.9	0.9	1.1	1.3	0.8
	21	9	0.5 0.5	0.6	1.2 3.5	1.1 2.0	1.2 1.8	7	0.8	0.9	1.1 1.2	1.0	0.4
	23	8	0.6	0.7	0.9	0.7	0.2	6	0.6	0.8	1.0	0.9	0.7
	24	7	0.6	1.1	2.2	1.6	1.1	5	0.8	1.3	2.9	1.8	1.1
	25	6	0.5	0.6	1.1	0.9	0.6	7	0.8	0.9	1.0	1.2	0.6
ak	26	5	0.5	0.5	0.6	1.3	1.7	2	1.0	1.1	1.2	1.1	0.2
Week	27 28	9	0.5 0.5	0.8	1.0	1.2	1.1 1.2	3	1.0	1.1	1.1	1.0	0.1
	29	11	0.6	0.7	1.8	1.2	0.9	3	1.0	1.3	1.3	1.1	0.2
	30	6	0.6	0.7	2.2	1.4	1.1	5	0.8	0.9	1.6	1.2	0.5
	31	2	0.9	1.4	1.9	1.4	1.0	1	0.8	8.0	0.8	0.8	0.0
	32	0	-	-	-	-	-	0	-	-	-	-	-
	33 34	0	-	-	-	-	-	0	-	-	-	-	-
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	1	1.0	1.0	1.0	1.0	0.0
	39 40	0	-	-	-	-	-	0	-	-	-	-	-
	41	0	-	-	-	-	-	0	-	-	-	-	-
	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	0	-	- 0.7	- 4.0	- 10	-	0	- 0.7	- 0.7	- 0.7	- 0.7	-
	45 46	4 11	0.6	0.7	1.3 0.7	1.2 0.7	1.0 0.2	2 8	0.7	0.7 1.0	0.7 1.0	0.7 1.4	1.2
	47	15	0.8	0.7	1.2	1.1	0.2	11	0.9	1.0	1.5	1.4	0.6
	48	15	0.6	0.8	2.0	1.4	1.2	5	0.9	1.2	1.5	1.5	0.8
	49	17	0.5	0.6	1.2	0.9	0.7	15	0.8	0.9	1.5	1.3	0.8
	50	11	0.5	0.6	0.9	1.2	1.2	7	1.0	2.2	3.1	2.2	1.3
	51	7 13	0.6	0.7	0.7	0.7	0.3	5 g	0.6	0.8	2.8	1.5	1.1
	52 53	13 9	0.6 0.5	0.8	1.3	1.6	1.3	8 10	0.8	1.1	1.5 1.4	1.5	1.1
	აა	y	0.5	0.0	1.3	1.3	1.1	10	0.9	1.1	1.4	1.7	1.4

L	6		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
_				ravel Tir			ır)			Travel Ti			·)
Time Unit	ne Pd.	Ħ	F	Percentil	е		Std.	ıır		Percentil	e		Std.
Ë	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	717	1.3	1.5	1.9	1.9	1.4	715	1.7	2.1	2.6	2.5	1.5
	Jan	76	1.3	1.5	2.1	1.9	1.3	75	1.9	2.3	3.4	3.3	2.7
	Feb Mar	80 74	1.3	1.4	1.9	1.9	1.7	82 75	1.7	1.9 2.1	3.0 2.5	2.4	1.2
	Apr	69	1.2	1.3	1.7	1.8	1.3	73	1.8	2.2	2.7	2.5	1.2
l_	May	89	1.3	1.4	1.8	2.0	1.8	93	1.7	2.2	2.7	2.4	1.2
Month	Jun	79	1.3	1.7	2.3	2.3	1.6	77	1.7	2.2	2.6	2.5	1.7
ž	Jul	75 1	1.3 7.7	1.5 7.7	2.0 7.7	1.9 7.7	1.2 0.0	66 1	1.7 8.3	2.2 8.3	2.6 8.3	2.5 8.3	1.7 0.0
	Aug Sep	0	-	-	-	-	-	2	2.1	2.2	2.3	2.2	0.0
	Oct	0	-	-	-	-	-	0	-	-	-	-	-
	Nov	71	1.4	1.8	2.1	1.8	0.6	70	1.6	1.9	2.2	2.0	0.7
_	Dec	103	1.3	1.4	1.8	1.8	1.1	101	1.7	2.0	2.5	2.3	1.1
	2	7 18	1.2 1.4	1.3 1.5	1.5	1.4	0.2	9 19	1.9	2.7	3.1	3.4 2.8	2.5 1.6
	3	19	1.2	1.3	1.5	1.5	0.8	15	1.8	2.0	2.3	2.2	0.7
	4	18	1.4	1.5	2.0	1.9	1.3	19	1.8	2.2	2.4	2.6	1.9
1	5	18	2.1	2.4	2.9	3.0	1.7	17	3.2	3.7	4.7	5.5	3.9
	6 7	13 27	1.7 1.2	2.3 1.4	2.6 1.6	2.5 1.6	1.1 0.7	16 24	1.8 1.5	2.5 1.7	3.3 1.9	3.1 1.8	1.9
	8	23	1.2	1.4	1.6	2.2	2.9	24	1.7	2.0	3.1	2.4	0.6 1.0
1	9	15	1.3	1.3	1.4	1.3	0.2	14	1.9	2.2	2.7	2.4	0.6
1	10	20	1.3	1.5	1.8	1.7	0.7	22	1.7	1.9	2.7	2.7	1.9
	11	17	1.3	1.5	1.7	1.5	0.4	16	2.1	2.3	2.6	2.7	1.2
	12 13	14 16	1.2 1.3	1.4 1.4	1.7	2.2 1.5	2.1 0.3	16 18	1.7	2.1 1.9	2.6 2.4	2.1	0.5
	14	20	1.2	1.3	1.4	1.5	0.8	18	1.9	2.3	2.8	2.5	1.1
	15	6	1.1	1.2	1.5	1.4	0.5	7	1.8	2.2	2.4	2.1	0.4
	16	15	1.2	1.4	1.8	2.0	1.8	17	1.9	2.2	3.2	2.7	1.3
	17	20	1.3	1.4	2.1	2.1	1.4	21	1.7	2.2	2.3	2.4	1.4
	18 19	23	1.2 1.3	1.3 1.7	1.5 2.7	1.8 2.1	1.6 1.1	23 24	1.8	2.2	2.7	2.5	1.0 0.5
	20	16	1.3	1.5	1.8	2.2	2.0	15	1.5	1.9	2.4	2.0	0.7
	21	20	1.2	1.3	1.8	2.1	2.6	18	1.7	2.5	2.9	2.5	0.8
	22	20	1.3	1.5	1.7	1.7	0.7	26	1.6	2.2	3.4	2.8	2.0
	23 24	25 19	1.3	1.7	2.3	2.2	1.5	21	1.7	1.9	2.3	2.1	0.8
	25	18	1.5 1.4	1.7 1.5	3.5 1.9	2.6	1.6 1.7	17 23	1.8	2.0	2.2	2.1	0.5 1.5
Ļ	26	15	1.4	1.6	2.1	2.3	1.8	9	2.3	2.7	2.9	4.0	3.6
Week	27	21	1.3	1.5	1.9	1.7	1.0	18	1.9	2.3	2.6	2.9	2.3
	28	15	1.4	1.7	2.2	2.4	2.0	19	1.8	2.3	2.5	2.3	0.8
	29 30	20 12	1.4 1.3	1.6 1.5	1.9 1.7	1.9 1.5	0.9 0.5	14 16	1.6 1.7	2.0	3.2 2.4	2.9	2.0 0.5
	31	10	1.4	1.5	2.0	2.3	1.9	6	1.7	1.9	2.1	2.0	0.5
	32	0	-		-		-	0	-	-	-	-	-
	33	0	-	-	-	-	-	1	8.3	8.3	8.3	8.3	0.0
1	34	0	-	-	-	-	-	0	-	-	-	-	-
1	35 36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
1	38	0	-	-	-	-	-	2	2.1	2.2	2.3	2.2	0.1
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
1	42	0	-	-	-	-	-	0	-	-	-	-	-
1	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	0	-	-	-	-	-	0	-	-	-	-	-
1	45	6	1.4	1.5	1.7	1.6	0.2	5	1.4	1.8	2.0	1.8	0.4
1	46 47	19 21	1.4 1.5	1.7 1.9	2.2	1.9 2.1	0.6	20	1.6 1.6	1.8 2.0	2.0	2.1	1.2 0.5
	48	21	1.5	1.9	1.9	1.7	0.8	20	1.5	1.9	2.3	1.9	0.5
1	49	25	1.2	1.4	1.7	1.6	0.5	23	1.7	2.1	2.6	2.5	1.5
	50	23	1.2	1.4	1.5	1.6	1.2	25	1.7	2.0	2.3	2.1	0.5
	51	22	1.3	1.4	2.0	1.8	0.9	19	1.6	1.9	2.4	2.3	1.4
1	52 53	25 12	1.4	1.5 1.5	1.9 2.0	1.8 2.4	0.7 2.1	22 15	1.8	2.0	2.6 2.5	2.4	0.9
	JJ	12	1.3	1.0	∠.∪	۷.4	4.1	ıυ	1.0	۷.۷	۷.۵	۷.۷	0.0

Travel Time Estimate (hour)	819 80 86 83 67 100 81 69 76 5 0 68 104 17 19 18 18 26 23 16 22		Percentile 50th 3.2 3.3 3.5 3.2 9.3 3.0 3.0 3.3 2.8 2.3 - 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.7		Avg. 5.1 3.5 4.3 4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.0 3.9 3.3	Std. Dev. 7.4 1.3 4.1 6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2 1.0 1.8
Y         2014         816         2.3         2.7         4.3         5.6         9.2           Jan         80         2.3         2.7         3.9         3.5         1.9           Feb         84         2.3         3.2         4.4         4.5         5.1           Mar         78         2.3         2.7         3.5         4.4         6.5           Apr         70         6.0         9.8         15.4         13.3         12.3           May         90         2.1         2.4         3.0         4.5         7.9           Jun         88         2.4         2.7         5.9         7.4         12.7           Jun         72         2.2         2.5         3.8         8.8         15.5           Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         3.8         5.0	819 80 86 83 67 100 81 69 76 5 0 68 104 9 9 21 17 19 18 18 26 23 16	2.5th 2.6 2.7 2.6 5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 3.4 2.9	50th 3.2 3.3 3.5 3.2 9.3 3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	75th 4.4 4.0 4.7 4.6 14.0 3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0 3.8	5.1 3.5 4.3 4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	7.4 1.3 4.1 6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2
Y         2014         816         2.3         2.7         4.3         5.6         9.2           Jan         80         2.3         2.7         3.9         3.5         1.9           Feb         84         2.3         3.2         4.4         4.5         5.1           Mar         78         2.3         2.7         3.5         4.4         6.5           Apr         70         6.0         9.8         15.4         13.3         12.3           May         90         2.1         2.4         3.0         4.5         7.9           Jun         88         2.4         2.7         5.9         7.4         12.7           Jun         72         2.2         2.5         3.8         8.8         15.5           Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         4.1         1	819 80 86 83 67 100 81 69 76 5 0 68 104 9 9 21 17 19 18 18 26 23 16	2.6 2.6 2.7 2.6 5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.3 2.5 2.5 2.5 2.4 2.8 2.3 2.5 2.5 2.5 2.5 2.5 2.6 2.7 2.6 2.7 2.6 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7	3.2 3.3 3.5 3.2 9.3 3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.0 3.3 3.0 3.3 3.0 3.0 3.3 3.0 3.0	4.4 4.0 4.7 4.6 14.0 3.6 3.8 4.3 3.2 - 3.3 3.9 3.3 5.0 3.8	5.1 3.5 4.3 4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	7.4 1.3 4.1 6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2
Jan         80         2.3         2.7         3.9         3.5         1.9           Feb         84         2.3         3.2         4.4         4.5         5.1           Mar         78         2.3         2.7         3.5         4.4         6.5           Apr         70         6.0         9.8         15.4         13.3         12.3           May         90         2.1         2.4         3.0         4.5         7.9           Jun         88         2.4         2.7         5.9         7.4         12.7           Jul         72         2.2         2.5         3.8         8.8         15.5           Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         4.1           Dec         110         2.1         2.5         3.3         3.8         5.0           1         8	80 86 83 67 100 81 69 76 5 0 68 104 9 21 17 19 18 18 26 23	2.6 2.7 2.6 5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.4 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	3.3 3.5 3.2 9.3 3.0 3.0 3.3 2.8 2.3 	4.0 4.7 4.6 14.0 3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0 3.8	3.5 4.3 4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	1.3 4.1 6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2
Feb 84 2.3 3.2 4.4 4.5 5.1  Mar 78 2.3 2.7 3.5 4.4 6.5  Apr 70 6.0 9.8 15.4 13.3 12.3  May 90 2.1 2.4 3.0 4.5 7.9  Jun 88 2.4 2.7 5.9 7.4 12.7  Jul 72 2.2 2.5 3.8 8.8 15.5  Sep 6 2.4 2.5 3.0 2.7 0.6  Oct 0  Nov 71 2.1 2.6 3.2 3.3 4.1  Dec 110 2.1 2.5 3.3 3.8 5.0  1 8 1.9 2.2 2.5 2.1 0.4  2 19 2.6 2.7 4.2 3.7 2.1  3 20 2.2 2.5 2.9 3.0 1.5  4 19 2.6 2.8 3.2 3.4 2.0  5 19 2.7 4.5 6.7 6.5 7.7  6 13 2.9 4.1 5.7 5.1 3.7  7 32 2.6 3.5 4.4 4.7 4.4  8 20 2.1 2.5 3.9 3.4 2.3  9 16 2.1 2.2 3.8 2.7 1.0  10 19 2.5 3.2 3.9 3.4 2.3  9 16 2.1 2.2 3.8 2.7 1.0  10 19 2.5 3.2 5.3 4.5 3.0  11 18 2.3 2.7 2.9 2.7 0.7  12 16 2.1 2.5 3.5 3.0 1.4  13 17 2.3 2.4 3.6 5.1 5.6  14 20 3.4 7.6 11.4 11.0 11.6  15 8 7.7 9.1 17.1 15.5 14.6  16 13 11.8 13.0 18.2 20.1 17.8  17 23 5.5 9.9 19.7 14.2 10.7  18 22 2.2 2.7 6.6 4.4 3.0	86 83 67 100 81 69 76 5 0 68 104 9 21 17 19 18 18 26 23 16	2.7 2.6 5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	3.5 3.2 9.3 3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3	4.7 4.6 14.0 3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0 3.8	4.3 4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	4.1 6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2
## Name	83 67 100 81 69 76 5 0 68 104 9 21 17 19 18 18 26 23 16	2.6 5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	3.2 9.3 3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3	4.6 14.0 3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0	4.9 11.7 5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	6.0 7.5 11.1 3.9 13.3 2.5 3.5 - 0.8 7.2 1.0
Apr         70         6.0         9.8         15.4         13.3         12.3           May         90         2.1         2.4         3.0         4.5         7.9           Jun         88         2.4         2.7         5.9         7.4         12.7           Jul         72         2.2         2.5         3.8         8.8         15.5           Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         4.1         0           Dec         110         2.1         2.5         3.3         3.8         5.0           1         8         1.9         2.2         2.5         2.1         0.4           2         19         2.6         2.7         4.2         3.7         2.1           3         20         2.2         2.5         2.9         3.0         1.5           4 <th< th=""><td>100 81 69 76 5 0 68 104 9 21 17 19 18 18 26 23 16</td><td>5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9</td><td>3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7</td><td>3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0</td><td>5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9</td><td>11.1 3.9 13.3 2.5 3.5 - 0.8 7.2 1.0</td></th<>	100 81 69 76 5 0 68 104 9 21 17 19 18 18 26 23 16	5.9 2.5 2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	3.0 3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	3.6 3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0	5.7 3.7 7.4 3.5 5.0 - 3.0 4.7 3.9	11.1 3.9 13.3 2.5 3.5 - 0.8 7.2 1.0
Second   S	81 69 76 5 0 68 104 9 21 17 19 18 18 26 23 16	2.4 2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	3.0 3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	3.8 4.3 3.2 7.2 - 3.3 3.9 3.3 5.0	3.7 7.4 3.5 5.0 - 3.0 4.7 3.0 3.9	3.9 13.3 2.5 3.5 - 0.8 7.2 1.0
Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         4.1           Dec         110         2.1         2.5         3.3         3.8         5.0           1         8         1.9         2.2         2.5         2.1         0.4           2         19         2.6         2.8         3.2         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1	69 76 5 0 68 104 9 21 17 19 18 18 26 23 16	2.8 2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	3.3 2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	4.3 3.2 7.2 - 3.3 3.9 3.3 5.0 3.8	7.4 3.5 5.0 - 3.0 4.7 3.0 3.9	13.3 2.5 3.5 - 0.8 7.2 1.0
Aug         67         2.3         2.6         3.3         4.9         8.8           Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -         -         -         -         -         -           Nov         71         2.1         2.6         3.2         3.3         4.1           Dec         110         2.1         2.5         3.3         3.8         5.0           1         8         1.9         2.2         2.5         2.1         0.4           2         19         2.6         2.8         3.2         3.7         2.1           3         20         2.2         2.5         2.9         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1	76 5 0 68 104 9 21 17 19 18 18 26 23 16	2.4 2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	2.8 2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	3.2 7.2 - 3.3 3.9 3.3 5.0 3.8	3.5 5.0 - 3.0 4.7 3.0 3.9	2.5 3.5 - 0.8 7.2 1.0
Sep         6         2.4         2.5         3.0         2.7         0.6           Oct         0         -	5 0 68 104 9 21 17 19 18 18 26 23 16	2.3 - 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	2.3 - 2.8 3.0 2.7 3.2 3.0 3.3 3.7	7.2 - 3.3 3.9 3.3 5.0 3.8	5.0 - 3.0 4.7 3.0 3.9	3.5 - 0.8 7.2 1.0
Oct         0         -	0 68 104 9 21 17 19 18 18 26 23 16	- 2.5 2.5 2.4 2.8 2.3 2.8 3.4 2.9	2.8 3.0 2.7 3.2 3.0 3.3 3.7	- 3.3 3.9 3.3 5.0 3.8	3.0 4.7 3.0 3.9	- 0.8 7.2 1.0
Dec         110         2.1         2.5         3.3         3.8         5.0           1         8         1.9         2.2         2.5         2.1         0.4           2         19         2.6         2.7         4.2         3.7         2.1           3         20         2.2         2.5         2.9         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.	104 9 21 17 19 18 18 26 23 16	2.5 2.4 2.8 2.3 2.8 3.4 2.9	3.0 2.7 3.2 3.0 3.3 3.7	3.9 3.3 5.0 3.8	4.7 3.0 3.9	7.2 1.0
1         8         1.9         2.2         2.5         2.1         0.4           2         19         2.6         2.7         4.2         3.7         2.1           3         20         2.2         2.5         2.9         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4<	9 21 17 19 18 18 26 23 16	2.4 2.8 2.3 2.8 3.4 2.9	2.7 3.2 3.0 3.3 3.7	3.3 5.0 3.8	3.0	1.0
2         19         2.6         2.7         4.2         3.7         2.1           3         20         2.2         2.5         2.9         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.	21 17 19 18 18 26 23 16	2.8 2.3 2.8 3.4 2.9	3.2 3.0 3.3 3.7	5.0 3.8	3.9	
3         20         2.2         2.5         2.9         3.0         1.5           4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7 <td< th=""><td>17 19 18 18 26 23 16</td><td>2.3 2.8 3.4 2.9</td><td>3.0 3.3 3.7</td><td>3.8</td><td></td><td>1.8</td></td<>	17 19 18 18 26 23 16	2.3 2.8 3.4 2.9	3.0 3.3 3.7	3.8		1.8
4         19         2.6         2.8         3.2         3.4         2.0           5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8	19 18 18 26 23 16	2.8 3.4 2.9	3.3 3.7		٥.٠	1.3
5         19         2.7         4.5         6.7         6.5         7.7           6         13         2.9         4.1         5.7         5.1         3.7           7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5	18 18 26 23 16	3.4 2.9	3.7		3.3	0.7
7         32         2.6         3.5         4.4         4.7         4.4           8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	26 23 16			4.2	3.7	0.8
8         20         2.1         2.5         3.9         3.4         2.3           9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	23 16	2.8	4.3	5.4	6.3	7.8
9         16         2.1         2.2         3.8         2.7         1.0           10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	16		3.3	4.8	4.3	2.8
10         19         2.5         3.2         5.3         4.5         3.0           11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0		2.8	3.8 2.6	4.9 3.6	3.9	0.7
11         18         2.3         2.7         2.9         2.7         0.7           12         16         2.1         2.5         3.5         3.0         1.4           13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0		2.5	3.0	4.7	5.2	6.4
13         17         2.3         2.4         3.6         5.1         5.6           14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	17	2.9	3.8	4.4	4.0	1.5
14         20         3.4         7.6         11.4         11.0         11.6           15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	17	2.5	3.5	4.3	3.6	1.3
15         8         7.7         9.1         17.1         15.5         14.6           16         13         11.8         13.0         18.2         20.1         17.8           17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	22	2.6	3.0	4.4	6.3	9.4
16     13     11.8     13.0     18.2     20.1     17.8       17     23     5.5     9.9     19.7     14.2     10.7       18     22     2.2     2.7     6.6     4.4     3.0	19	5.2	7.2	10.6	8.4	4.9
17         23         5.5         9.9         19.7         14.2         10.7           18         22         2.2         2.7         6.6         4.4         3.0	6 14	5.9 7.8	7.9 11.9	18.8 18.9	12.1 13.1	7.7 6.0
18 22 2.2 2.7 6.6 4.4 3.0	19	7.8	12.8	24.0	15.6	9.5
40   05   06   04   07   1-	25	3.2	4.4	7.4	7.8	12.2
19 25 2.2 2.4 3.1 4.5 6.0	25	2.5	3.1	3.6	3.9	2.9
20 16 2.1 2.4 2.9 2.7 0.9	16	2.1	2.7	3.8	8.4	16.0
21 20 1.9 2.1 2.6 4.6 7.6 22 19 2.2 2.6 3.9 7.0 13.3	20 27	2.5 2.5	3.0 2.9	3.5 3.3	5.0 4.9	9.9
23 27 2.6 3.3 6.0 4.2 1.9	24	2.6	3.3	4.2	4.8	6.9
24 19 2.2 2.4 2.7 3.3 2.9	18	2.4	2.7	3.1	2.8	0.7
25 24 2.5 2.9 9.4 10.2 15.4	23	2.4	2.7	3.2	3.1	1.2
26 14 2.4 2.6 3.3 8.6 15.8	11	2.5	3.0	4.2	3.4	1.3
27 22 1.9 2.5 3.1 10.0 17.0 28 16 2.3 2.5 3.1 4.8 5.6	18 19	2.9	3.7	5.1 3.8	4.4 5.8	2.5 11.2
29 19 2.2 2.4 4.6 8.0 13.9	15	2.7	3.2	5.3	5.0	4.6
30 11 2.5 3.5 40.0 20.5 24.8	15	2.8	3.3	4.5	7.8	16.3
31 15 2.2 2.3 3.1 7.5 12.7	12	2.9	3.2	11.4	13.9	19.9
32 15 2.4 2.6 3.5 7.7 16.4	21	2.4	2.9	3.5	4.1	3.2
33 16 2.3 2.8 3.7 3.4 2.0 34 16 2.2 2.4 4.6 4.9 4.9	18 16	2.4	2.8 3.0	3.1 4.1	2.8 4.4	0.7 3.4
35 12 2.3 2.4 2.8 2.5 0.3	15	2.2	2.7	3.0	2.7	0.6
36 6 2.0 2.5 3.0 2.5 0.6	5	2.3	2.7	7.2	5.0	3.4
37 0	0	-	-	-	-	-
38 1 2.4 2.4 2.4 0.0	1	2.3	2.3	2.3	2.3	0.0
39 0 40 0	0	-	-	-	-	
41 0	0	-	-	-	-	-
42 0	0	-	-	-	-	-
43 0	0	-	-	-	-	-
44 0	0	- 2.5	- 3 3	- 3.0	- 3 1	1 1
45 5 2.1 2.4 2.7 2.4 0.3 46 18 2.2 2.5 3.6 4.6 7.6	3 19	2.5	3.3 2.7	3.9 3.8	3.1	1.1
47 20 2.4 2.7 3.0 3.2 1.9	20	2.7	2.8	3.3	3.1	0.6
48 24 2.0 2.4 3.3 2.7 0.8	22	2.4	3.0	3.2	2.9	0.6
49 26 2.1 2.4 3.6 3.3 2.4	21	2.5	3.0	3.5	3.3	1.5
50 24 2.1 2.5 3.3 3.3 2.7	26	2.4	3.0	3.7	4.5	7.0
51         24         2.1         2.6         3.1         4.6         8.8           52         26         2.1         2.7         3.5         4.0         4.3	20 27	2.5	2.8 3.0	4.4	8.4 3.4	13.6
52 26 2.1 2.7 3.5 4.0 4.3 53 14 2.1 2.3 2.7 3.1 2.5	41	2.0	3.2	3.5	3.5	1.4

L	8		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-	Pd.					ate (hou	ır)		1			ate (hour	)
Time Unit	Je P	Count	F	ercentil	e		Std.	Count	ı	Percentil	e		Std.
-	Time		25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	802	2.7	3.1	3.7	3.9	3.2 2.0	807	4.0	4.8	6.1	5.6	3.3 2.1
	Jan Feb	79 85	2.7	3.0 2.8	3.4	3.5	2.0	80 86	4.0 3.8	4.7	6.2 5.9	5.3 5.8	3.9
	Mar	85	2.8	3.2	3.6	4.0	3.5	88	4.0	4.8	5.9	5.3	2.2
	Apr	78	2.6	2.8	3.4	3.4	1.7	80	4.2	5.3	6.4	5.8	3.4
£	May Jun	104 95	2.6	2.9 3.2	3.5 4.1	4.2 3.9	3.9 2.8	113 88	4.1	5.3 5.5	6.5 6.5	5.9 6.0	3.0
Month	Jul	84	2.8	3.3	4.9	4.9	4.9	78	3.9	4.7	5.6	5.3	3.2
	Aug	11	2.8	3.1	3.9	3.4	0.9	13	3.8	4.4	6.8	5.7	3.0
	Sep	0	- 47.0	-	-	-	- 10.0	0	-	-	-	-	- 1.0
	Oct Nov	3 71	17.6 2.7	28.2 3.1	28.6 3.9	21.4 3.8	10.2 2.0	72	4.9 3.8	6.0 4.4	6.3 5.5	5.5 4.8	1.2
	Dec	107	2.7	3.0	3.5	3.5	1.8	106	4.0	5.0	5.8	5.8	4.5
	1	11	2.6	3.0	3.5	3.2	0.7	12	3.7	4.3	5.5	5.2	2.5
	2	16 20	2.8	3.3	3.8	3.8	1.9	18 19	4.4 4.1	4.6	6.2	5.3	1.4
	4	21	2.5	2.8 3.3	3.1	3.6	2.7	19	4.1	5.9 5.3	6.5 6.4	5.9 5.5	2.6
	5	15	2.7	3.1	3.2	3.0	0.3	16	3.8	4.2	4.9	4.3	0.9
	6	14	2.8	3.1	3.8	3.3	0.9	18	3.4	5.0	6.5	7.0	6.2
	7 8	27 25	2.5	2.8	3.2	3.8	3.1 1.5	28	3.6	4.2	5.0 6.3	4.7 6.5	1.8 4.3
	9	17	2.4	2.5	2.8	3.0	1.6	21	4.3	5.1	6.2	5.7	2.1
	10	22	2.9	3.2	3.5	3.5	2.2	22	3.9	4.3	5.5	5.0	1.8
	11	20	2.9	3.1	3.4	3.4	1.2	18	4.8	5.6	6.7	6.1	2.0
	12 13	16 18	2.6	2.8 3.4	3.6 4.1	4.8	5.9 4.3	15 22	4.2 3.2	4.6 4.2	5.9 5.3	5.0 4.5	1.6 1.7
	14	21	2.7	2.8	3.4	3.4	1.6	21	4.8	5.8	7.8	7.5	5.9
	15	10	2.3	2.6	3.1	3.4	2.1	8	4.5	4.8	5.5	5.3	1.6
	16	11	2.5	2.7	2.8	2.7	0.5	22	4.4	5.3	6.3	5.5	1.6
	17 18	28 26	2.8	3.2	3.8	3.9	2.0	21 27	3.9 4.2	5.3 5.2	5.9 7.2	5.4 5.9	1.8 2.4
	19	26	2.8	3.2	4.7	4.9	3.5	29	4.3	5.3	6.2	5.8	2.4
	20	21	2.8	3.1	3.6	4.1	2.9	16	3.5	5.0	7.1	5.6	2.4
	21	23	2.4	2.6	2.9 3.8	2.9 5.1	1.1 6.0	33	4.4 3.6	5.7 4.6	7.1 6.1	6.3 5.5	3.2
	23	32	2.7	3.5	4.2	4.5	4.2	25	4.3	5.2	6.3	5.4	2.0
	24	21	2.8	3.1	4.1	3.6	1.5	20	3.7	5.8	6.7	6.6	5.0
	25	21	2.9	3.2	4.8	4.0	1.8	23	4.2	4.8	6.5	5.3	1.8
Week	26 27	18 22	2.9	3.1	3.5 4.2	3.5	1.5 2.4	11 25	5.1 4.6	5.7 5.1	6.1 6.1	5.7 6.3	1.4 4.7
>	28	21	2.9	3.3	3.8	3.6	1.0	22	4.2	4.5	5.3	4.8	1.3
	29	20	3.0	3.5	4.4	4.5	2.7	16	3.6	4.7	5.4	4.8	1.8
	30	15 15	3.0 2.9	4.6 3.2	11.2 3.8	9.1	9.5 1.2	16 14	4.3 3.2	5.3 4.3	6.0	7.1 4.9	6.1 1.7
	32	5	2.9	2.9	3.1	3.4	0.9	7	3.8	4.4	7.3	6.3	3.7
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34	0	-	-	-	-	-	0	-	-	-	-	-
	35 36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39 40	0	-	-	-	-	-	0	-	-	-	-	-
	41	1	28.9	28.9	28.9	28.9	0.0	1	6.0	6.0	6.0	6.0	0.0
	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	0	-	- 47.0	-	- 47.0	- 40.7	1	6.6	6.6	6.6	6.6	0.0
	44 45	4	12.2 2.5	17.6 3.1	22.9 4.4	17.6 3.8	10.7 1.8	1 5	3.8	3.8 4.2	3.8 5.3	3.8 4.6	0.0 1.4
	46	19	2.7	3.3	4.1	4.3	2.6	20	4.0	4.3	4.8	4.6	1.3
	47	20	2.7	3.4	4.5	4.1	2.2	23	3.8	4.4	5.3	4.8	1.9
	48	23	2.6	3.0	3.6	3.4	1.3	21	3.8	4.7	5.7	5.0	1.7
	49 50	26 24	2.8	3.1 2.9	3.4	3.5	1.8 1.8	23 24	3.9 4.0	4.7 5.1	5.5 5.9	5.7 5.0	4.1 1.4
	51	22	2.7	3.0	3.7	3.8	2.6	21	4.5	5.0	6.0	8.3	8.4
	52	26	2.8	3.1	3.4	3.2	0.6	25	3.8	4.7	5.6	4.8	1.3
L	53	14	2.6	3.2	3.7	3.4	1.2	16	4.2	5.0	6.2	5.2	1.4

L	9		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Fravel Ti	me Estim	ate (houi	·)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	701	2.0	2.3	2.9	3.0	2.9	714	2.4	2.9	3.5	3.8	5.1 0.7
	Jan Feb	72 71	2.0 1.9	2.3	2.8	2.8	1.1	75 68	2.4	2.7	3.3 3.2	2.9 2.8	0.7
	Mar	68	2.9	4.5	7.5	6.1	6.4	69	2.9	4.8	7.8	6.2	4.6
	Apr	68	1.9	2.2	2.4	2.4	1.3	73	2.5	2.9	3.3	3.2	1.8
_	May	89	2.0	2.2	2.5	2.6	1.9	94	2.4	2.9	3.6	3.7	3.9
Month	Jun	91	2.0	2.3	2.7	2.5	0.7	85	2.5	3.0	3.4	5.1	10.3
Σ	Jul	75 10	2.1	2.4	2.8 3.0	2.8 3.0	1.2 1.2	76 11	2.3	2.8	3.3	2.9 2.8	0.8
	Aug Sep	0	2.2	2.1	3.0	3.0	-	0	2.0	2.0	3.1	2.0	-
	Oct	1	2.4	2.4	2.4	2.4	0.0	1	1.8	1.8	1.8	1.8	0.0
	Nov	66	2.1	2.5	3.1	2.9	1.8	70	2.6	3.0	3.7	3.1	0.8
	Dec	90	2.0	2.3	2.9	3.1	3.4	92	2.4	2.8	3.3	4.3	7.5
	1	10	1.9	2.0	2.6	3.9	4.3	10	2.3	2.5	2.6	2.7	0.7
	3	13 19	2.3 1.9	2.7	3.0 2.6	3.2 2.6	1.6 1.4	17 14	2.6 2.2	2.9 2.7	3.7 2.9	3.1 2.8	0.6
	4	20	2.1	2.5	2.8	2.4	0.6	21	2.5	2.7	3.2	2.8	0.8
	5	15	2.1	2.3	2.7	2.5	0.5	15	2.3	2.9	3.2	2.8	0.6
	6	12	1.9	2.2	2.6	2.2	0.4	14	2.3	2.4	3.0	2.6	0.6
	7	22	1.9	2.3	2.6	2.4	0.6	24	2.5	2.8	3.3	2.9	0.5
	8	20	1.9	2.2	2.5	2.8	1.7	16	2.5	2.8	3.2	2.8	0.5
	9	12 18	2.1	2.5 3.5	2.9 7.4	2.6 5.2	0.8 3.6	12 20	2.5 2.6	2.7 6.8	2.8 9.4	2.7 7.7	0.3 6.4
	11	14	4.5	5.7	6.1	5.9	2.1	17	4.4	4.8	6.5	5.6	2.0
	12	17	3.9	8.3	11.1	9.6	11.2	10	3.6	8.4	11.5	7.8	4.1
	13	13	2.5	4.2	5.1	4.4	2.1	19	2.8	3.3	5.3	4.7	3.9
	14	16	1.9	2.1	2.4	2.3	0.6	16	2.7	3.1	3.4	3.1	0.8
	15	12	2.0	2.3	2.4	3.1	2.9	9	2.4	2.5	3.2	2.7	0.5
	16 17	12 22	2.0 1.9	2.1	2.3	2.1	0.4	19 17	2.5 2.5	2.8	3.2 3.1	2.9 3.8	0.9 3.5
	18	22	2.0	2.3	3.0	2.5	0.6	25	2.3	3.0	3.8	3.2	1.0
	19	21	2.0	2.2	2.4	2.3	0.4	23	2.5	2.8	3.2	3.0	0.8
	20	15	2.0	2.2	2.4	2.3	0.8	15	2.2	2.8	3.1	3.1	1.4
	21	22	1.9	2.3	2.6	3.3	3.5	19	2.7	3.0	3.5	3.1	0.5
	22	21 26	2.0	2.3	2.5 3.1	2.3	0.6	27 24	2.4	2.9 3.1	3.6 4.1	5.1 4.7	6.8 5.8
	24	24	2.0	2.3	2.6	2.4	0.7	20	2.5	3.0	3.2	2.9	0.6
	25	21	2.1	2.4	2.7	2.6	0.6	22	2.5	3.0	3.2	3.0	0.8
_	26	17	2.0	2.2	2.4	2.4	0.8	13	2.9	3.1	3.2	3.1	0.8
Week	27	21	2.0	2.3	2.7	2.5	1.0	21	2.4	2.9	3.3	9.0	19.2
-	28	17	2.1	2.5	2.8	2.7	0.9	20	2.6	2.9	3.3	3.1	0.8
	29 30	17 18	2.2	2.3	2.7 3.0	2.7	1.1	17 18	2.3	2.6 3.2	3.2 4.0	2.7 3.3	0.8
	31	12	2.0	2.7	3.1	3.1	1.6	10	2.6	2.7	2.8	2.6	0.5
	32	3	2.3	2.7	2.9	2.6	0.5	7	2.4	2.8	2.9	2.7	0.4
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34	0	-	-	-	-	-	0	-	-	-	-	-
	35 36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41 42	0	-	-	-	-	-	0	-	-	-	-	-
	43	1	2.4	2.4	2.4	2.4	0.0	1	1.8	1.8	1.8	1.8	0.0
	44	0	-	-	-	-	-	0	-	-	-	-	-
	45	1	1.7	1.7	1.7	1.7	0.0	4	2.7	3.0	3.4	3.2	1.0
	46	21	2.1	2.4	3.0	2.7	0.9	19	2.7	2.9	3.2	3.0	0.6
	47 48	19	2.1	2.5	3.5	3.6	3.1	23	2.6	3.2	4.1	3.3	0.9
	48 49	21	2.1	2.5	3.2 2.7	2.7	0.6	20 24	2.5	3.0 2.7	3.6 3.4	3.1 2.9	0.7
	50	20	1.9	2.1	2.3	2.2	0.6	21	2.4	2.7	3.3	3.0	0.8
	51	17	2.1	2.7	3.0	5.2	7.1	19	2.5	3.1	3.7	9.3	15.3
	52	18	2.4	2.8	3.8	3.1	1.2	20	2.4	2.7	3.1	2.9	0.9
Ш	53	16	2.0	2.3	2.8	2.6	8.0	12	2.6	2.8	3.2	3.2	1.1

L	10		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	е		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	702	4.5	6.7	11.1	9.2	7.6 6.2	710	5.9	7.2	9.6	9.0	6.8 3.3
	Jan Feb	70 60	4.4 4.3	6.2 5.6	12.2 8.4	8.9 7.3	5.9	72 61	6.2 5.5	7.4 6.4	8.9 7.8	8.2 8.5	8.3
	Mar	67	4.8	6.5	10.0	8.6	6.5	73	6.2	7.2	8.6	8.7	6.0
	Apr	64	4.6	6.7	9.9	7.8	4.9	70	5.8	7.2	10.5	9.4	6.7
_	May	84	4.7	7.5	10.9	9.0	6.1	85	6.2	7.3	9.4	8.6	3.9
Month	Jun	84	4.5	7.2	12.4	9.8	6.8 10.4	80	6.1	8.2	10.6	10.6	9.4
Σ	Jul Aug	78 12	4.6 5.1	7.8 11.4	13.1 24.6	11.2 18.8	18.0	67 12	5.1 6.2	6.8 7.4	10.0 12.7	8.5 9.2	3.9
	Sep	0	-	-	-	-	-	0	-	-	-	-	-
	Oct	27	4.7	7.9	14.6	13.0	12.8	26	6.2	8.1	13.4	15.0	15.0
	Nov	66	4.5	7.7	11.1	8.5	4.4	74	5.8	7.4	9.6	8.3	4.2
Н	Dec	90	4.5	6.0	10.3	8.1	6.6	90	5.4	7.0	9.5	8.3	4.6
	2	9	4.7 4.0	5.0 4.7	7.6 7.7	9.4 6.7	8.5 4.0	11 14	7.0 6.9	8.0 7.4	11.0 10.8	8.8 8.7	2.6 3.0
	3	19	4.2	8.0	14.0	9.6	6.3	17	6.0	7.2	8.4	8.4	5.0
	4	20	4.5	6.0	11.8	8.1	4.7	20	6.2	7.4	9.0	7.8	2.3
	5	12	5.5	6.9	11.7	10.1	6.5	12	6.8	7.3	8.2	7.5	1.7
	6	12	4.7	5.4	7.5	6.1	2.1	15	5.0	5.4	6.8	6.8	3.7
	7 8	20	4.8 4.0	6.8 5.5	10.4 7.1	9.7 6.4	9.1 3.0	22 19	5.7 5.6	6.6 6.4	8.0 7.8	7.0 12.0	1.7
	9	2	4.0	4.8	5.2	4.8	0.8	6	6.2	7.0	8.5	7.3	1.3
	10	16	5.9	7.7	9.2	9.0	5.4	18	6.2	7.0	8.0	8.2	3.2
	11	16	5.1	8.3	10.1	7.8	2.5	21	6.9	7.4	10.8	10.0	7.6
	12	16	4.4	6.0	9.3	9.2	9.6	10	6.3	7.0	8.0	10.9	10.0
	13	14	4.8	6.3	9.1	8.0	4.4	18	5.2	7.2	8.4	7.2	2.3
	14 15	15 11	4.4 3.8	5.9 7.1	9.8 8.0	8.4 6.7	6.0 3.0	16 10	6.7	8.3 7.3	13.5 8.6	11.8 7.5	7.7 2.2
	16	13	4.5	6.9	9.9	7.1	2.9	16	6.6 5.9	6.8	11.4	8.8	4.1
	17	21	4.9	6.1	10.7	8.9	6.9	18	5.8	6.6	10.0	9.5	9.4
	18	20	4.6	6.7	8.9	7.8	4.1	21	5.6	7.0	8.5	8.2	3.8
	19	19	6.1	8.7	12.8	9.6	4.2	22	6.1	7.1	8.0	7.9	3.1
	20	16	5.0	9.1	17.2	12.1	10.1	15	6.5	8.9	12.9	10.0	4.9
	21	19 19	4.0 4.7	8.4 6.8	10.2 7.8	8.6 6.8	5.5 2.3	17 23	7.3 5.5	8.7 7.3	11.2 8.8	9.3 7.9	2.4 4.1
	23	24	4.7	6.6	12.2	9.5	7.4	21	5.3	6.7	10.8	8.7	4.6
	24	22	4.3	6.5	10.4	9.2	7.1	18	5.8	7.4	9.1	9.6	9.5
	25	18	5.6	9.4	13.3	10.4	5.6	20	7.2	8.2	9.0	10.4	8.3
ak	26	17	4.9	9.3	16.0	11.0	6.8	13	6.5	6.8	8.8	8.5	3.6
Week	27 28	17 20	4.4 4.9	9.8 7.7	15.2 12.9	11.0 13.7	7.2 14.6	18 19	6.2 5.9	9.5 7.1	15.7 8.4	14.4 7.4	13.5 2.3
	29	18	4.5	5.2	11.5	8.4	4.8	17	4.9	6.0	8.3	7.4	3.2
	30	18	4.1	6.4	10.9	8.1	4.5	17	5.4	8.8	11.0	11.4	11.5
	31	15	4.7	8.7	14.0	14.3	14.0	10	4.9	6.2	7.5	6.9	2.8
	32	5	9.8	20.1	51.6	28.4	21.1	6	7.8	11.5	14.7	11.2	4.0
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34 35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	<u>0</u> 5	- 4.5	4.6	6.4	6.0	- 2.6	6	5.3	6.7	26.5	15.7	- 14.1
	42	4	14.5	19.1	28.6	24.0	15.7	2	7.0	7.5	8.0	7.5	1.0
	43	7	5.5	8.5	13.1	9.3	4.1	12	6.4	10.8	20.3	18.8	18.5
	44	11	4.4	6.0	15.5	14.5	14.8	6	6.4	9.0	11.5	9.1	2.8
	45	1	13.7	13.7	13.7	13.7	0.0	6	8.2	9.1	10.1	12.1	9.0
	46	21	4.8	7.8	11.8	8.4	3.5	18	5.8	6.6	7.9	7.3	2.7
	47 48	19 21	4.9 4.3	7.7 7.0	10.8	9.0	4.0 5.4	24	5.8 5.3	7.2 7.7	8.7 9.5	7.6 8.3	2.7 3.5
	49	23	4.5	8.3	10.8	7.9	3.4	22	5.4	6.9	9.6	7.8	3.2
	50	20	4.2	4.5	9.4	6.6	3.7	20	5.9	7.6	9.8	8.2	3.0
	51	19	4.6	8.3	10.5	11.3	12.1	21	5.4	6.6	8.0	7.1	2.2
	52	18	4.9	5.5	9.0	7.0	2.9	21	5.8	7.5	11.9	10.8	7.9
	53	14	4.9	5.1	9.4	7.2	3.4	11	5.9	6.4	9.9	7.8	2.5

L	11		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	•)
me	Time I	Count	F	Percentil		t e	Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1281 100	2.4	2.8	3.7 4.7	3.6 4.3	3.5	1293 104	2.6	3.2	4.3 5.1	4.4	5.9 3.0
	Feb	101	2.6	3.3	4.7	3.9	1.8	104	2.7	3.4	4.2	4.7	6.4
	Mar	96	2.4	2.7	3.2	3.2	1.8	101	2.5	2.9	3.8	3.5	1.8
	Apr	99	2.3	2.5	2.9	3.2	2.6	101	2.6	3.0	3.7	3.5	1.4
Ę	May	114	2.3	2.7	3.2	3.0	2.1	112	2.7	3.0	3.9	4.4	7.2
Month	Jun Jul	112 111	2.4	2.8	3.5 3.6	3.4	3.4 1.3	105 104	2.6	3.1	4.2 4.1	4.8	8.0
2	Aug	121	2.4	3.0	3.8	3.6	1.9	128	2.7	3.2	4.3	4.4	5.6
	Sep	57	2.5	3.3	4.1	3.7	1.8	63	2.6	3.7	6.0	5.4	7.4
	Oct	123	2.5	3.0	3.8	4.1	6.3	121	2.6	3.2	5.1	5.4	8.4
	Nov	122	2.4	2.9	3.7	3.3	1.9	124	2.5	3.1	4.2	4.1	5.1
	Dec 1	125 15	2.3	2.8	3.5	3.9	6.5 1.4	128 14	3.0	3.2	3.9 3.9	3.8	2.3 1.0
	2	20	2.7	4.7	12.5	7.1	5.3	19	3.0	7.1	8.8	7.1	4.6
	3	24	2.3	2.5	3.2	2.9	1.4	22	2.9	3.6	4.9	4.4	2.3
	4	25	2.3	2.6	2.9	3.0	1.7	26	2.6	3.2	4.3	4.0	2.6
	5	23	3.5	5.3	6.0	5.4	2.2	26	2.9	3.5	4.8	4.1	1.7
	6 7	24 33	2.9	3.4	7.0 4.7	4.6 3.9	2.4 1.4	28 34	3.1 2.8	3.9	5.8 4.0	4.7 3.5	2.4 1.1
	8	33	2.9	2.9	3.4	3.9	1.4	32	2.8	3.4	3.8	6.3	11.0
	9	8	2.2	2.8	3.2	3.2	1.6	11	2.7	3.1	3.7	3.4	1.0
	10	22	2.4	2.8	3.5	3.0	0.7	22	2.7	3.1	3.8	3.5	1.3
	11	26	2.5	2.9	3.4	3.8	3.0	32	2.6	2.8	3.1	3.0	1.0
	12	21	2.3	2.6	2.8	2.7	0.8	14	2.6	2.8	5.5	4.4	3.3
	13 14	18 23	2.5	2.8	3.1	3.2 4.0	1.5 3.7	23	2.4	2.8 3.5	4.1 4.4	3.5	1.9
	15	16	2.1	2.4	2.9	3.2	2.8	14	2.7	3.0	5.0	3.8	1.6
	16	20	2.3	2.5	2.9	3.3	2.9	22	2.7	2.9	3.5	3.2	0.9
	17	31	2.4	2.5	2.9	2.7	0.7	31	2.5	3.0	3.5	3.4	1.6
	18	30	2.3	2.5	2.8	2.6	0.5	27	2.6	3.0	3.5	3.2	1.0
	19	23	2.4	2.9	3.5	3.1	0.9	26	2.6	2.8	3.1	3.1	1.1
	20	22	2.3	2.5	2.9 3.2	2.8	1.0 0.6	22 25	2.6	3.0	5.4 4.8	7.1 5.1	14.3 6.2
	22	33	2.3	2.5	3.4	3.5	3.7	28	3.0	3.4	4.2	3.6	1.0
	23	31	2.6	3.1	3.5	3.2	1.0	33	2.3	3.0	3.8	3.3	1.3
	24	30	2.4	2.8	3.2	2.9	0.7	21	2.6	3.0	3.8	5.8	9.8
	25	26	2.3	2.5	3.6	3.7	3.5	26	2.7	3.0	4.2	3.9	1.9
충	26	22	2.6	2.8	3.6	4.5	6.3	20	2.9	3.5	4.3 4.9	7.3	14.5
Week	27 28	25 24	2.4	2.7	3.3 2.9	2.9	0.7	27 21	2.4	3.1 2.8	3.7	8.5 3.2	15.0 1.1
	29	26	2.6	3.3	3.8	3.6	1.5	30	2.6	3.3	4.1	3.7	1.6
	30	25	2.5	3.2	4.2	3.6	1.6	21	2.9	3.4	4.7	3.9	1.5
	31	24	2.5	2.8	3.7	3.4	1.5	21	2.3	2.8	3.5	2.9	0.7
	32	26	2.8	3.1	3.9	3.9	2.0	33	2.8	3.2	4.3	4.1	2.4
	33 34	32 18	2.3	2.9	3.5	3.1	1.1 1.4	25 24	2.7	3.3	5.0 6.0	6.7 4.8	11.6 2.9
	35	30	2.4	3.1	4.3	4.0	2.6	29	2.4	2.9	3.9	3.3	1.1
	36	13	2.5	3.8	4.0	3.7	1.3	20	2.5	3.1	6.0	7.0	12.3
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	6	2.4	2.7	3.0	2.7	0.4	9	2.3	2.7	3.3	3.7	2.9
	39 40	33 25	2.3	3.2	4.2 3.8	3.8	2.0 1.4	25 28	2.7	3.1 3.9	5.4 8.1	4.1 7.1	2.1 8.9
	41	27	2.7	3.1	3.7	4.1	2.9	25	2.8	4.1	6.0	6.1	7.7
	42	28	2.6	2.8	4.8	6.1	12.5	24	2.5	2.8	4.8	6.7	13.7
	43	23	2.5	3.4	4.3	3.7	1.5	31	2.2	2.8	3.8	3.5	2.1
	44	38	2.4	3.0	3.7	3.2	1.1	32	2.8	3.5	4.8	4.1	2.0
	45	23	2.5	2.6	3.3	3.1	1.2	23	2.5	3.7	5.2	6.1	10.9
	46 47	30 29	2.4	3.1 2.9	3.8	3.2	1.1 3.3	31 31	2.3	2.7 3.3	3.5 4.4	3.4 4.2	1.8
	48	28	2.3	2.8	3.5	3.0	1.0	28	2.3	3.0	3.8	3.5	1.5
	49	27	2.5	2.9	4.4	6.7	13.3	30	2.6	2.8	3.9	3.3	1.2
	50	29	2.3	2.4	3.0	2.7	0.9	33	2.6	2.9	3.5	3.3	1.2
	51	26	2.4	2.9	3.3	3.0	0.9	26	2.7	3.3	3.8	3.6	1.4
	52 53	26 21	2.3	2.7 3.0	3.4 4.2	3.1	1.5 2.2	28 18	2.8	3.4	4.0 4.5	5.0 3.6	4.1 1.1
ш	JJ	۷1	۷.۵	5.0	+.∠	5.5	۷.۷	10	2.0	J. <del>4</del>	4.3	5.0	1.1

L	12		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1092	3.5	4.1	4.9	4.7	3.4 1.7	1117	4.3	5.1	6.1	5.6	2.9 1.5
	Jan Feb	100 106	3.4	3.9	4.8	4.4 4.8	4.6	104	4.6 4.1	5.3 4.6	6.0 5.3	5.4 5.8	6.2
	Mar	98	3.4	4.0	4.4	4.0	0.7	106	4.2	5.0	5.4	5.0	1.1
	Apr	101	3.3	4.0	4.5	4.0	0.8	98	4.4	5.4	6.2	5.4	1.4
ے	May	112	3.4	3.9	4.6	4.1	1.1	112	4.7	5.4	6.5	6.1	3.1
Month	Jun	110	3.6	4.3	5.3	5.0	3.8 2.9	110	4.3	5.5	6.6	5.9	2.5 3.6
Σ	Jul Aug	110 121	3.7	4.4	5.1 5.2	5.0 4.6	1.3	104	4.4	5.3 4.9	6.6 6.0	5.9 5.3	1.8
	Sep	15	4.2	5.3	7.0	10.9	12.3	19	4.4	5.1	7.0	6.9	4.2
	Oct	0	-	-	-	-	-	1	12.8	12.8	12.8	12.8	0.0
	Nov	94	3.7	4.3	5.6	4.6	1.2	103	4.0	4.8	5.5	4.9	1.1
	Dec	125	3.6	4.3	5.3	5.3	5.4	126	4.4	5.3	6.5	5.6	1.7
	2	16 19	3.5 3.4	3.7 4.0	4.0	3.7 4.8	0.5 2.3	15 18	5.0 5.2	5.4 5.5	6.1 6.0	5.4 6.1	2.3
	3	25	3.2	3.4	3.8	3.6	0.6	27	4.7	5.3	6.2	5.5	1.2
	4	23	3.5	3.8	4.2	3.9	0.7	21	4.2	5.0	5.8	5.0	1.2
	5	22	4.6	5.1	6.4	5.8	2.1	29	4.5	4.9	5.5	5.2	1.3
	6	27	3.5	3.9	4.6	5.0	4.9	30	3.8	4.3	4.8	4.3	0.8
	7 8	34 33	3.6	3.9 4.0	4.1	4.0 5.1	0.6 6.0	31 31	4.0	4.7 4.5	5.1 5.4	4.5 6.4	7.1
	9	11	3.2	3.6	4.4	5.1	6.0	13	4.3	4.5	7.6	10.4	12.4
	10	23	3.5	4.0	4.4	3.9	0.6	23	4.2	4.6	5.3	4.9	0.8
	11	25	3.4	4.0	4.4	4.0	0.6	33	4.3	5.1	5.9	5.0	1.0
	12	22	3.1	3.5	4.3	3.7	0.7	16	4.5	5.0	5.6	5.2	1.1
	13	17	4.0	4.7	5.3	4.6	0.8	22	4.2	4.9	5.4	5.1	1.2
	14 15	25 14	3.2	3.6 3.6	3.9	3.7 3.6	0.8	23 12	5.1 4.8	5.7	6.6 6.4	5.9 5.5	1.3
	16	22	3.3	3.7	4.5	3.9	0.8	22	4.4	5.6 5.2	5.8	5.1	0.9
	17	30	3.8	4.2	4.6	4.3	0.8	30	4.2	5.1	6.0	5.4	1.8
	18	30	3.6	4.2	4.6	4.2	0.6	27	4.6	5.3	6.0	5.5	1.3
	19	24	3.8	4.2	5.0	4.3	0.7	25	4.7	5.4	6.5	5.7	1.6
	20	22	3.7	4.2	5.0	4.7	1.8	22	4.8	5.5	6.2	5.7	1.8
	21	22 31	3.0	3.2 4.1	3.7 4.8	3.4 4.2	0.7	25 29	5.0 4.4	5.5 4.9	7.3 6.5	6.2 6.7	1.7 5.4
	23	33	3.7	4.8	5.7	5.5	4.3	34	3.9	4.6	5.9	5.0	1.5
	24	30	3.8	4.4	5.2	4.4	0.9	23	4.2	5.0	6.9	5.6	1.9
	25	22	3.4	3.7	4.9	4.4	1.6	25	5.0	5.8	6.8	6.1	1.6
χ	26	22	3.9	4.2	4.7	5.6	6.3	23	5.0	6.5	7.1	6.4	2.0
Week	27 28	21 27	3.9	4.5 4.4	5.3 5.1	5.9 4.9	5.5 2.4	23 19	4.7	5.5 6.0	6.4 6.7	7.7 5.8	7.6 1.4
	29	24	3.8	4.4	5.2	4.9	1.6	32	4.0	5.1	6.2	5.3	1.6
	30	27	3.8	4.6	5.1	4.9	1.7	24	4.4	5.2	7.2	6.1	2.2
	31	23	3.5	4.0	4.5	4.1	0.7	21	4.4	4.8	5.7	5.0	1.3
	32	25	3.8	4.6	5.3	4.7	1.1	34	4.1	4.8	5.4	4.9	1.3
	33	34	3.8	4.5	5.1	4.9	1.6	26	4.0	5.3	6.1	5.8	2.9
	34 35	19 28	3.5 4.0	4.0	5.0 5.2	4.3 4.7	1.0 1.2	27 29	4.4	5.2 4.9	6.4 5.7	5.3 5.3	1.4 1.5
	36	18	4.0	5.2	6.3	9.7	11.5	17	4.3	4.6	5.1	5.2	1.7
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	1	4.8	4.8	4.8	4.8	0.0	2	9.4	13.2	17.1	13.2	7.8
	39	2	6.8	7.0	7.1	7.0	0.3	2	7.6	9.3	10.9	9.3	3.3
	40	0	-	-	-	-	-	1	6.1	7.8	9.5	7.8	3.5
	41	0	-	-	-	-	-	0	12.8	12.8	12.8	12.8	0.0
	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	0	-	-	-	-	-	0	-	-	-	-	-
	45	3	4.3	5.0	5.3	4.8	0.8	4	3.9	5.0	6.1	5.0	1.3
	46	31	3.6	4.7	5.5	4.8	1.2	32	3.9	4.5	5.7	4.9	1.4
	47 48	29 27	3.8	4.3 4.1	5.3 6.0	4.5 4.8	1.1	31 26	4.1	4.9 4.5	5.4 6.1	4.9	1.0
	48	27	3.7	4.1	5.3	7.4	9.3	30	4.2	4.5 5.2	5.6	5.2	1.1
	50	29	3.2	3.4	4.1	3.7	0.9	32	4.6	5.7	6.5	5.7	1.8
	51	28	3.9	4.5	5.5	6.0	6.1	28	4.2	5.1	5.7	5.2	1.3
	52	24	3.7	4.0	5.0	4.3	0.9	29	4.9	5.8	7.0	5.9	2.0
Ш	53	21	4.2	5.3	5.8	5.1	1.3	17	4.6	5.3	6.7	5.8	1.7

L	13		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tir	ne Estim	ate (hou	ır)		1	Fravel Ti	ne Estim	ate (hour	)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	526	2.3	2.8	4.0	5.9	11.4	561	2.7	3.2	4.3	6.6	12.3
	Jan Feb	101 98	2.3	2.7 3.0	3.9 4.7	4.0 3.9	5.8 2.7	104 102	2.6	3.0	3.7 4.9	3.5 7.5	13.5
	Mar	57	2.3	2.6	3.2	5.4	11.3	71	2.4	2.8	3.4	5.8	11.2
	Apr	45	2.2	2.4	3.3	3.6	4.9	44	2.6	3.1	3.8	3.6	2.9
_	May	10	2.2	2.9	3.6	8.0	15.4	5	2.5	2.8	4.6	13.6	21.2
Month	Jun	26	2.5	3.4	5.2	12.9	20.2	34	2.9	3.3	4.0	5.3	9.5
Š	Jul	60	2.7	3.0	3.9	8.9	15.5 2.0	60	2.6	3.5	5.1	9.2	15.6 16.7
	Aug Sep	30 0	2.5	3.0	4.6	3.9	2.0	37 0	2.9	3.7	5.4	10.1	-
	Oct	0	-	-	-	-	-	0	-	-	-	-	-
	Nov	40	2.4	3.1	4.5	9.8	18.4	48	3.0	3.5	4.6	6.6	12.1
	Dec	59	2.5	3.1	3.7	6.7	13.4	56	2.8	3.5	4.5	9.1	17.3
	1	16	2.3	2.4	3.8	3.4	1.8	15	3.0	3.1	3.4	3.2	0.5
	3	19 26	2.3	2.6 2.5	3.0 2.9	3.1 2.7	1.8 0.7	18 27	2.7	3.0	3.3 4.2	3.5 3.4	1.7
	4	23	2.4	2.5	3.6	5.4	11.0	22	2.7	2.6	3.0	2.7	0.7
	5	21	2.9	4.3	5.5	5.5	3.8	32	2.7	3.3	5.3	4.3	2.7
	6	24	3.6	5.0	6.6	5.6	2.6	26	2.7	3.4	5.7	7.1	11.3
	7	26	2.5	3.3	4.6	4.4	3.7	32	2.5	3.7	5.9	11.5	19.5
	8	35	2.3	2.6	2.9	2.8	1.1	27	2.4	2.8	3.9	5.6	8.9
	9	10 11	2.0	2.4	2.9	2.4 8.8	0.5 19.8	9	2.5	2.6 2.6	2.8 3.3	2.8 5.6	9.9
	11	16	2.6	3.0	3.4	5.3	7.8	20	2.3	2.8	4.0	7.8	13.0
	12	14	2.1	2.5	2.6	5.6	11.3	16	2.4	2.9	3.3	2.8	0.6
	13	11	2.4	2.6	3.2	3.3	1.9	15	2.7	3.0	3.4	7.3	16.2
	14	17	2.2	2.3	2.7	2.9	1.4	19	2.9	3.4	4.3	4.5	4.1
	15	9	2.1	2.4	3.1	6.1	10.3	8	2.6	3.1	3.6	3.2	0.9
	16 17	17 6	2.3	2.5 2.4	3.3	3.0 2.9	1.2 0.9	17 5	2.6	2.8	3.3	3.1 2.8	0.9
	18	0	-	-	3.0	2.9	-	0	-	2.0	3.1	2.0	- 0.9
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	1	54.0	54.0	54.0	54.0	0.0	2	2.7	3.3	4.0	3.3	1.2
	22	9	2.2	2.7	3.2	2.9	0.7	3 11	2.6	2.8	29.3	20.4	25.1
	23 24	8 5	3.3 2.8	6.5 3.2	55.7 3.6	25.1 3.1	27.0 0.5	4	3.0	3.3 3.5	4.2	8.8 4.1	16.1
	25	6	2.2	2.6	3.4	10.8	18.4	6	2.8	2.9	3.2	2.9	0.3
یا	26	6	3.2	3.3	4.6	8.6	11.8	13	3.1	3.5	4.1	3.8	1.3
Week	27	6	2.4	2.7	3.0	11.8	20.4	8	2.2	3.4	5.4	6.8	8.8
-	28	17	2.6	2.8	3.4	3.7	2.1	13	2.9	4.2	6.5	13.4	21.3
	29 30	14 20	2.8	3.3 2.9	6.2 3.7	11.9 3.4	17.8 1.5	18 17	2.6	3.5 3.5	5.9 4.0	11.2 6.2	17.4 10.7
	31	9	2.7	2.8	49.4	19.9	24.4	11	3.4	4.7	5.7	11.0	17.3
	32	22	2.6	3.2	4.6	4.1	2.1	27	2.7	3.4	4.2	9.4	16.2
	33	2	3.5	4.3	5.1	4.3	1.5	0	-	-	-	-	-
	34	1	5.5	5.5	5.5	5.5	0.0	3	3.9	4.4	4.8	4.4	0.7
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36 37	0	-	-	-	-	-	0	-	-	-	-	
	38	0	-	-	-	-	-	0	-	-	-	-	
	39	0	-		-	-		0					
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41	0	-	-	-	-	-	0	-	-	-	-	-
	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	0	-	-	-	-	-	0	-	-	-	-	
	45	1	2.4	2.4	2.4	2.4	0.0	3	3.3	3.4	3.5	3.4	0.1
	46	3	3.7	5.2	33.6	23.2	27.5	2	2.3	2.5	2.6	2.5	0.3
	47	15	2.5	3.1	3.7	7.3	15.4	19	3.4	4.3	6.5	10.8	18.4
	48	17	2.6	3.1	4.5	11.6	20.0	16	2.8	3.2	4.8	4.4	2.6
	49 50	16 7	2.5	3.3 2.5	4.0 2.7	3.2 2.5	0.8	20 5	2.9	3.3	3.9 4.5	3.4	0.9 20.5
	51	14	2.3	3.2	4.0	6.2	10.3	13	2.9	4.5	6.7	13.6 18.8	27.1
	Ľ.		2.7	3.2									1.7
	52	16	2.1	3.2	3.9	13.6	22.3	19	2.7	3.1	4.0	3.7	1.7

L	14		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tir	ne Estim	ate (hou	ır)		1	Fravel Ti	me Estim	ate (hour	)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1070	4.4	5.3	6.5	6.0	4.1 2.7	1104	5.8	7.3	9.2	8.2	3.5
	Jan Feb	100 118	4.2 4.1	4.8 4.7	6.3 5.4	5.7 5.0	1.3	104 114	6.0 5.5	7.1 6.6	8.9 8.1	8.3 7.2	2.7
	Mar	98	4.3	4.8	5.7	5.4	3.6	108	5.7	6.6	8.4	7.5	2.8
	Apr	96	4.3	4.9	5.9	5.6	3.2	92	6.1	7.3	8.6	7.8	2.4
_	May	108	4.2	4.8	5.9	5.6	4.6	112	6.5	7.7	9.7	8.2	2.6
Month	Jun	101	4.7	5.5	6.4	6.6	6.6	100	6.4	7.6	9.6	8.6	4.6
Σ	Jul Aug	104 119	4.9	5.7 5.8	7.6 7.3	7.2 6.9	5.6 4.8	99 128	5.5 5.7	7.3 7.4	9.3 9.8	8.5 8.3	6.2 4.9
	Sep	12	5.4	6.3	6.7	6.2	1.0	19	6.0	6.7	8.0	8.4	5.9
	Oct	1	9.2	9.2	9.2	9.2	0.0	2	37.0	39.5	42.0	39.5	5.1
	Nov	90	4.9	5.9	7.7	6.4	1.8	104	5.3	6.9	8.6	7.7	4.4
	Dec	123	4.5	5.3	6.5	5.8	3.0	122	6.6	7.8	10.0	9.0	5.3
	2	15 19	4.3 4.5	4.6 4.8	5.3 6.4	5.1 6.1	1.2 3.6	16 16	6.6	8.5 7.2	9.1 8.4	8.6 7.8	2.7 1.9
	3	25	3.9	4.0	4.9	4.4	0.8	27	5.7	6.9	9.7	8.1	3.4
	4	24	4.4	4.7	5.9	5.4	1.6	24	5.6	6.5	8.9	8.3	4.4
	5	20	5.7	6.3	8.4	7.7	3.5	29	6.4	7.1	8.7	8.1	3.5
	6	26	4.1	5.1	5.9	5.5	2.0	26	5.5	6.1	7.1	6.4	1.8
	7 8	32 36	4.4 4.1	4.7 4.7	5.4 5.4	4.9	1.0 0.9	31 31	5.3 6.1	6.2 7.8	7.4 9.2	6.7 8.4	3.8
	9	24	3.8	4.7	4.9	4.7	1.2	27	5.7	6.6	8.2	7.3	2.1
	10	24	4.3	4.8	5.1	4.8	0.8	22	5.7	7.0	8.4	7.7	3.5
	11	22	4.5	5.0	6.7	7.0	7.1	28	5.8	7.2	8.4	7.5	2.4
	12	23	4.0	4.3	5.2	4.6	0.9	18	5.5	7.0	8.9	7.8	3.1
	13	20	4.7	5.7	6.5	5.7	1.0	22	5.8	6.5	7.9	7.2	2.6
	14 15	26 10	4.1 3.8	4.5 4.2	5.6 4.7	5.6 4.3	3.1 0.6	27 8	6.5 8.7	7.7 11.3	9.1 13.3	8.0 11.0	2.4
	16	21	4.3	4.9	5.5	5.0	0.9	20	6.1	7.1	7.7	6.7	1.2
	17	31	4.5	5.2	5.9	5.6	1.8	30	6.0	7.1	8.1	7.6	2.4
	18	26	4.2	4.7	5.6	5.9	4.9	29	6.1	8.0	9.7	7.8	2.0
	19	26	4.4	5.5	6.1	5.3	1.2	29	6.4	8.2	9.4	8.2	3.1
	20	20 22	4.9 3.7	5.5 4.0	6.5 4.5	8.2 4.6	9.8 1.8	19 24	8.2 6.4	10.2 7.2	11.9 8.9	10.3 7.7	2.5 1.8
	22	28	4.3	5.0	6.2	5.4	1.6	27	5.5	6.6	7.9	7.0	2.0
	23	29	4.5	5.5	6.7	5.8	1.9	29	5.4	7.0	9.4	7.4	2.6
	24	29	5.5	6.0	6.8	6.2	1.5	21	6.6	7.6	9.2	8.3	3.0
	25	23 14	4.5	5.2 4.9	6.9	9.4	13.1 1.2	26 22	6.6	8.3	10.8	10.1	7.7
Week	26 27	19	4.7	5.7	5.3 6.9	5.2 10.3	11.6	17	6.8	8.3 8.5	10.2 12.6	8.6 12.9	2.5 12.8
š	28	27	5.2	6.8	8.0	7.0	2.5	18	5.7	7.9	9.2	7.6	2.3
	29	23	5.0	6.0	8.9	6.9	2.2	28	5.4	7.3	9.3	7.8	2.8
	30	24	5.0	5.3	6.9	5.9	1.9	24	5.6	6.5	8.4	7.5	3.0
	31	25	4.9	5.3	6.7	6.0	2.0	26	5.6	7.3	10.9	9.9	9.3
	32	24 33	4.7	5.5 5.7	7.3 6.6	7.5 6.0	6.9 2.0	33 24	5.1 5.7	6.5 8.1	8.6 9.8	7.3 7.9	2.6
	34	21	4.8	5.6	6.8	7.6	7.9	27	5.7	7.7	9.0	8.0	2.9
	35	26	5.4	6.3	8.5	6.8	1.9	29	6.3	8.2	10.1	8.3	2.5
	36	15	5.3	6.6	6.9	6.3	1.1	19	5.8	6.3	7.3	8.0	6.0
	37	0 4	- 5.7	- 6.2	- 6.7	- 6.2	- 11	0	- Ω Λ	- Ω 7	- 0.1	- 9.7	- 0.7
	38 39	0	5.7	6.2	6.7	6.2	1.1	0	8.4	8.7	9.1	8.7	0.7
	40	0	-	-	-	-	-	1	6.7	6.7	6.7	6.7	0.0
	41	0	-	-	-	-	-	1	44.6	44.6	44.6	44.6	0.0
	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	1	9.2	9.2	9.2	9.2	0.0	1	34.4	34.4	34.4	34.4	0.0
	44 45	0 4	5.4	5.8	6.2	5.8	0.7	0 8	5.5	7.0	9.0	11.9	12.8
	46	27	4.8	5.8	7.6	6.2	1.8	31	5.0	6.8	10.1	7.8	3.4
	47	29	5.3	5.9	7.7	6.5	1.5	34	5.9	7.3	8.6	7.2	1.8
	48	24	4.9	6.7	7.8	6.9	2.2	25	5.8	6.6	7.6	7.0	2.1
	49 50	31	4.6	5.4	6.3	5.5	1.4 1.6	28	6.7	7.4	10.1	8.4	3.0 2.5
	50 51	30 28	4.0	4.5 5.7	5.7 7.3	5.0 6.8	1.6 5.1	32 24	6.7	7.3 8.4	9.2	8.2 10.7	9.5
	52	23	5.0	5.3	6.1	5.9	2.6	27	6.7	8.4	9.3	8.5	2.8
	53	17	5.0	6.1	6.8	5.9	1.4	17	6.0	7.1	8.6	9.0	5.6

L	15		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	·)
ne l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	392	2.6	3.3	8.9	13.2	19.7	498	3.1	3.8	6.6	12.5	18.9
	Jan Feb	58 48	2.4 2.7	2.9 4.3	4.7 13.2	8.0 15.8	14.1 21.1	70 66	3.1 2.9	3.6 3.5	4.4 5.6	5.7 8.8	9.5 14.0
	Mar	32	2.4	2.8	4.4	12.4	19.8	44	2.8	3.4	5.2	10.0	14.4
	Apr	17	2.3	2.7	4.2	10.8	17.9	27	3.3	4.3	13.6	13.4	17.7
_	May	15	2.6	2.8	20.5	15.8	22.7	31	3.5	5.1	30.3	19.1	23.4
Month	Jun	17	3.3	13.3	36.2	22.7	19.8	12	3.8	4.5	53.2	22.0	24.6
Ž	Jul	13 24	3.2	18.5 6.1	33.8 38.9	21.8 19.6	19.8 19.9	16 28	4.2 3.3	5.2 4.1	44.5 45.0	21.9	23.6 25.3
	Aug Sep	17	2.7	3.2	3.8	8.1	13.8	16	3.1	3.8	7.8	14.2	20.9
	Oct	45	2.6	3.3	5.8	12.5	19.6	50	3.0	3.6	31.7	17.7	24.0
	Nov	54	2.8	3.2	4.6	11.9	20.3	63	2.9	3.5	4.8	11.8	18.1
Ш	Dec	52	2.8	3.2	4.2	12.3	20.8	75	3.2	3.8	4.9	10.5	16.9
	1	8	2.3	2.5	3.3	9.1	17.1	12	3.1	3.2	3.7	7.7	14.6
	3	12 16	2.4	2.8	5.8 4.2	6.0 9.2	7.4 15.2	11 19	3.0	3.7 3.7	4.4	3.9 4.0	1.0
	4	14	2.5	2.9	3.0	7.4	16.3	13	2.4	3.6	4.2	8.2	16.2
	5	9	4.1	4.7	5.1	8.4	10.7	19	3.5	4.6	7.2	5.2	2.1
	6	13	3.4	5.6	12.6	8.1	6.0	11	3.1	3.4	4.7	9.1	15.9
	7 8	11 18	3.1 2.3	6.2 3.5	48.2 12.4	23.0 15.1	25.3 21.5	16 23	2.9	3.4 3.8	7.3 8.4	10.0 11.1	15.2 15.9
	9	7	2.8	5.3	57.9	28.5	29.5	15	2.7	3.3	3.7	3.7	2.0
	10	9	2.3	2.4	2.8	7.5	14.5	11	3.3	4.1	5.2	7.0	8.5
	11	7	2.4	2.6	3.0	6.8	10.5	7	2.9	3.2	19.1	12.6	15.1
	12	5	3.3	4.3	5.0	8.1	9.0	7	2.5	2.7	16.0	12.6	15.2
	13 14	7	2.8	3.3 2.4	41.0 3.2	22.9	25.6 0.7	11 9	2.8 3.2	3.7	4.2 3.5	12.5 6.0	19.6 7.3
	15	1	2.3	2.4	2.3	2.3	0.0	2	3.8	3.8	3.8	3.8	0.0
	16	2	3.5	3.8	4.1	3.8	0.5	2	20.3	35.3	50.3	35.3	30.0
	17	10	2.4	2.6	3.9	10.3	15.3	11	4.0	6.2	20.5	15.7	16.8
	18	5	2.8	37.4	40.6	29.2	23.4	13	3.2	4.3	28.3	20.2	23.5
	19 20	<u>4</u> 5	2.6 2.3	2.7	19.1 2.8	19.0 14.2	28.4 23.4	6 3	3.0 4.3	3.3 5.1	4.0 5.5	3.7 4.9	0.9 1.0
	21	1	2.7	2.7	2.7	2.7	0.0	9	4.1	6.5	8.3	14.7	19.3
	22	3	2.8	3.2	3.3	3.0	0.5	8	4.2	32.1	54.4	32.3	25.2
	23	4	3.0	19.5	40.1	23.6	21.7	2	4.0	4.1	4.2	4.1	0.3
	24 25	3	35.2 7.1	36.2 7.8	47.3 20.8	42.9 16.0	10.9 12.6	2 5	15.7 3.8	28.1 4.4	40.5 54.3	28.1 26.1	24.8 27.4
	26	6	3.5	10.0	31.6	18.7	18.5	3	7.6	10.6	32.3	23.1	22.0
Week	27	3	2.5	3.1	7.0	5.3	4.0	4	3.6	4.0	14.2	13.8	17.7
^	28	5	3.2	4.1	18.5	12.6	12.8	2	20.8	37.3	53.8	37.3	33.0
	29 30	2	33.6 29.4	33.6 32.8	33.6 36.2	33.6 32.8	0.0 6.9	3	24.6 4.9	44.5 5.8	51.6 14.8	36.0 13.9	22.9 16.0
	31	7	3.0	7.2	36.8	22.9	24.3	4	4.0	4.3	15.4	15.1	19.3
	32	7	3.3	38.6	49.3	29.8	24.2	6	3.4	9.9	48.6	24.5	26.3
	33	5	5.1	8.6	22.8	16.4	15.4	6	3.7	3.8	4.4	14.9	25.1
	34	3	3.0	3.3	3.4	3.2	0.4	6	3.7	24.5	47.8	27.4	24.3
	35 36	5 4	3.8	34.3 3.5	38.8 9.6	23.7 9.1	16.9 10.3	7 3	3.6 2.5	3.9 2.6	26.6 22.8	19.7 16.0	26.0 19.1
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	3	2.3	2.5	2.7	2.6	0.3	4	3.1	3.1	3.9	3.9	1.4
	39	8	2.7	3.2	4.3	10.3	18.1	7	3.8	6.8	26.5	20.3	25.1
	40	5 5	4.1 2.5	5.8 2.9	6.4 3.7	5.7 10.4	1.9 15.6	7 16	3.1 2.4	4.7 2.8	27.8 3.8	17.4 6.1	20.7 9.1
	42	10	2.3	2.9	3.0	2.6	0.5	6	3.3	27.4	64.8	33.5	30.9
	43	12	2.8	3.3	5.6	9.8	16.5	14	3.1	3.8	31.7	17.0	20.2
	44	15	3.0	3.4	50.7	23.3	25.7	14	2.8	3.6	49.5	21.4	28.8
	45	13	3.1	3.7	10.7	12.6	18.2	12	2.9	3.3	13.2	15.3	21.6
	46 47	15 13	2.7	3.0	4.2 3.5	10.3 11.7	18.5 20.9	12 22	3.1	3.5 3.6	9.5 4.2	13.4 10.2	19.0 17.7
	48	11	2.7	3.1	4.2	15.0	25.0	13	2.9	3.7	10.3	12.6	16.0
	49	9	2.7	3.1	3.9	3.3	1.1	14	3.0	3.5	4.9	14.0	20.4
	50	12	2.5	3.4	13.1	16.5	24.5	23	3.5	3.8	4.3	5.1	6.2
	51	17	2.7	3.2	4.8	13.8	22.8	15	2.9	3.3	18.9	16.3	22.7
	52 53	8	3.0 2.9	3.2	32.4	19.8 3.1	23.8 0.4	12 12	3.6	4.2 3.5	6.5 5.3	13.3 6.3	20.2 6.5
	00	J	2.0	0.0	0.2	V. I	U. <del>T</del>	14	U.Z	0.0	0.0	0.0	0.0

L	16		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me L	Time F	Count	F	ercentil	е		Std.	Count		Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	648	3.5	4.2	5.3	6.3	6.6 10.5	741	4.5	5.5	7.1	6.6	4.3 2.6
	Jan Feb	30	3.3 4.0	4.0 5.2	18.2 9.8	10.3 9.3	8.2	33 31	5.5 5.1	5.8 5.8	7.3 6.3	6.8 6.6	4.0
	Mar	14	3.8	4.0	4.5	6.7	6.6	27	4.7	5.1	6.0	6.0	3.6
	Apr	21	3.9	4.3	9.2	9.9	10.3	27	4.9	6.5	7.8	7.9	6.9
ے	May	52	3.2	3.6	4.2	5.4	6.1	61	4.9	6.0	8.2	7.0	3.3
Month	Jun	48	3.5	4.0	5.6	6.7	7.1 5.0	60	5.0	5.9	7.6	7.1	4.3 5.2
2	Jul Aug	56 81	3.9	4.7	6.0	6.3 8.7	9.5	70 93	4.9	6.1 5.7	8.0 7.3	7.5 6.9	4.7
	Sep	33	4.3	4.8	6.1	7.7	6.8	42	4.7	6.3	8.8	7.9	5.7
	Oct	47	3.9	4.4	5.6	5.4	3.6	56	4.2	5.3	6.6	6.7	5.0
	Nov	105	3.5	4.1	5.1	4.5	1.5	115	4.0	4.7	5.8	5.4	3.1
	Dec 1	128 11	3.2	3.8	4.7	4.4 7.5	3.5	126 10	4.2	5.2	6.5	5.9	3.2
	2	5	4.0	3.8 5.0	5.7	7.7	8.5 6.6	7	5.6 5.3	5.9 5.8	8.5 6.4	7.6 5.9	0.9
	3	10	3.5	5.6	18.2	11.5	10.2	12	5.3	6.1	8.0	7.0	2.7
	4	1	2.8	2.8	2.8	2.8	0.0	3	6.0	6.3	6.7	6.4	0.5
	5	5	5.7	6.0	29.0	16.3	13.5	3	6.1	6.8	7.2	6.6	1.0
	6 7	17 6	5.1 3.5	7.8	15.9 4.0	10.6 8.7	7.0 11.5	11 7	5.1 4.7	5.2 5.9	5.8 6.3	7.3 6.5	6.1 3.2
	8	6	4.6	6.8	9.3	9.7	8.4	8	5.0	5.6	6.2	5.8	1.1
	9	2	3.2	3.2	3.2	3.2	0.0	5	5.1	5.5	6.0	5.5	0.5
	10	6	3.9	4.3	6.9	7.3	6.1	10	4.7	4.7	5.0	6.6	5.4
	11	5	3.8	3.8	4.5	7.9	8.4	4	4.6	5.2	6.2	5.6	2.0
	12 13	0	2.3	2.3	2.3	2.3	0.0	2	5.3 4.9	6.0 5.6	6.7	6.0 5.3	1.4
	14	3	3.6	3.9	4.0	3.8	0.3	7	4.9	5.5	7.7	6.2	1.9
	15	0	-	-	-	-	-	6	7.7	7.8	7.9	7.8	2.1
	16	1	28.5	28.5	28.5	28.5	0.0	2	3.8	4.4	5.0	4.4	1.2
	17	9	4.2	4.6	6.6	9.1	9.4	6	5.7	6.9	7.3	7.1	2.1
	18 19	18 11	3.5	3.8	4.5 4.6	8.1 3.9	9.6	18	5.1 5.4	6.6 6.1	8.4 9.4	9.3 7.4	8.7 2.5
	20	13	3.2	3.5	3.8	3.8	1.2	16	4.7	6.0	7.2	6.9	3.3
	21	6	3.3	3.7	5.4	7.0	7.2	11	5.0	5.7	7.3	6.7	2.6
	22	14	3.2	3.8	4.3	6.9	8.2	17	4.5	5.1	7.8	6.1	2.3
	23	11	3.6	4.7	15.8	11.1	11.6	18	4.5	5.6	7.0	5.9	1.7
	24 25	7 15	4.1 3.6	4.4 3.9	4.9 5.6	4.6 5.8	0.7 5.5	5 19	5.1 4.7	5.5 5.9	5.6 7.7	5.6 6.4	0.7 2.5
	26	11	3.4	3.5	4.4	5.4	4.2	17	5.5	7.4	9.5	9.5	6.8
Week	27	8	3.8	4.7	6.1	7.2	6.4	10	6.3	9.8	15.8	13.6	10.3
>	28	13	3.3	3.9	4.3	4.3	1.7	13	5.2	6.0	6.8	6.3	1.8
	29	13	4.9	5.2	8.9	7.5	4.3	17	5.1	6.2	7.1	6.0	1.6
	30	17 16	4.2 3.5	4.7	5.2 8.0	6.1 8.7	5.4 8.9	21 19	4.7	5.1 6.2	7.2 9.1	6.3 7.3	3.2 2.9
	32	19	3.3	4.6	5.5	4.8	2.0	25	4.7	5.7	7.9	7.3	4.7
	33	22	3.4	3.9	5.0	7.9	9.9	16	4.4	5.5	7.1	6.3	2.7
	34	12	4.2	4.9	8.2	8.7	7.4	16	4.9	5.9	7.3	6.4	2.3
	35	19	4.3	5.1	15.0	11.8	12.0	26	4.8	5.6	7.0	7.5	6.8
	36 37	10 2	4.2 19.9	4.6 20.6	5.2 21.3	6.7 20.6	6.3 1.4	7	4.7 6.3	5.5 6.5	6.8	7.3 6.6	4.7 0.5
	38	9	4.0	4.7	5.8	8.6	9.0	11	4.3	5.2	10.0	9.8	9.5
	39	12	4.4	5.3	6.8	7.4	5.4	16	4.4	7.1	10.6	7.5	3.0
	40	12	3.8	4.2	4.4	4.4	0.9	13	4.7	5.2	5.8	5.5	1.9
	41	11	3.9	4.3	5.2	4.4	1.1	10	4.4	5.2	6.4	5.7	2.0
	42 43	9	4.8	5.0	5.2 6.0	8.4 5.1	7.1	13 12	4.6 3.8	5.4 4.2	7.5 5.8	8.2 5.0	6.9 1.8
	44	12	3.9	4.4	5.7	4.9	1.6	14	4.6	6.5	8.4	8.4	6.2
	45	9	4.1	5.3	6.3	5.8	2.3	10	3.7	4.4	5.9	7.9	8.7
	46	30	3.6	4.3	5.0	4.5	1.3	35	3.9	4.7	6.3	5.3	2.0
	47	31	3.4	4.0	4.8	4.2	1.2	35	4.1	5.0	5.9	5.3	1.7
	48	27	3.5	4.1	5.1	4.4	1.2	27	4.2	4.6	5.3	4.8	1.0
	49 50	30	3.4 2.8	3.8	4.5 3.7	4.5 3.3	1.9 0.8	31	4.1 4.5	4.6 5.8	5.7 6.8	5.5 6.1	3.1 2.4
	51	24	3.7	4.2	5.1	6.4	7.3	17	4.0	5.0	6.6	6.8	6.1
	52	27	3.3	3.8	4.3	3.7	0.8	31	4.4	5.2	6.2	5.5	1.9
	53	21	3.7	4.7	5.1	4.4	1.0	22	4.2	5.5	7.0	5.8	1.7

L	17		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	.)
me (	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	129	2.7	3.4	7.6	12.7	19.5	173	2.9	3.8	6.5	10.1	15.4
	Jan	1	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	Feb Mar	0	-	-	-	-	-	1	3.4 2.7	3.9 2.7	4.4 2.7	3.9 2.7	1.0 0.0
	Apr	2	2.7	2.9	3.2	2.9	0.5	1	3.5	3.5	3.5	3.5	0.0
	May	9	2.7	3.2	3.6	3.5	1.7	14	3.1	3.9	4.3	8.8	11.9
Month	Jun	7	4.2	53.3	65.6	37.6	30.0	14	3.3	4.0	4.9	9.7	16.9
ĕ	Jul	9	3.3	6.8	20.9	19.0	22.5	14	2.8	3.6	11.0	15.5	22.4
	Aug	16	3.0	3.6	5.3	4.7	3.0	9	3.4	5.4	12.8	15.7	19.4
	Sep Oct	9	2.8 4.5	3.1 5.3	4.9 7.7	9.4 7.0	15.5 4.0	8	3.6 2.9	7.3 3.1	20.3 13.2	18.8 15.0	23.1
	Nov	31	2.9	3.4	27.6	17.2	22.7	44	2.8	3.9	8.3	11.3	15.8
	Dec	41	2.4	3.0	4.7	10.9	17.2	58	3.0	3.8	5.1	6.0	7.2
	1	1	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	2	3.4	3.9	4.4	3.9	1.0
	9	0	-	-	-	-	-	0	-	-	-	-	1
	10	0	-	-	-	-	-	1	2.7	2.7	2.7	2.7	0.0
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	_	_	-	_	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	1	3.4	3.4	3.4	3.4	0.0	0	-	-	-	-	-
	18	1	2.4	2.4	2.4	2.4	0.0	1	3.5	3.5	3.5	3.5	0.0
	19 20	3	2.7	2.8	3.2	3.0	0.4	0 4	3.7	4.0	7.8	7.5	6.4
	21	2	2.0	2.5	2.9	2.5	0.9	2	6.6	10.8	14.9	10.8	8.3
	22	4	3.1	3.7	5.1	4.5	2.0	8	3.0	3.6	4.2	8.9	14.4
	23	0	-	-	-	-	-	1	68.7	68.7	68.7	68.7	0.0
	24	0	-	-	-	-	-	1	2.8	2.8	2.8	2.8	0.0
	25	5	53.3	64.3	66.9	50.9	25.2	4	3.7	4.0	8.2	7.9	7.3
Week	26 27	1	4.1	4.2	4.3	4.2	0.2	6	3.3	3.8 4.2	4.7 4.5	4.2	1.3 0.6
š	28	3	4.3	6.8	13.9	9.8	8.1	2	18.7	34.6	50.5	34.6	31.8
	29	1	17.7	17.7	17.7	17.7	0.0	3	3.2	3.8	3.8	3.4	0.5
	30	3	2.7	3.3	3.5	3.0	0.6	5	2.7	3.5	46.5	23.0	24.8
	31	1	71.3	71.3	71.3	71.3	0.0	4	2.9	3.4	6.2	5.6	4.5
	32	5 4	4.0 2.9	5.5 4.2	7.2 7.5	5.4 6.2	1.8 4.9	2	7.9 4.9	12.8	28.9 6.4	20.2 5.6	18.0 1.5
	34	3	2.9	3.1	3.6	3.3	0.6	2	18.4	5.6 31.4	44.4	31.4	26.0
	35	4	2.9	3.2	3.5	3.2	0.4	2	3.4	3.4	3.4	3.4	0.0
	36	3	3.3	4.9	7.2	5.4	3.2	2	13.9	25.2	36.6	25.2	22.7
	37	1	3.1	3.1	3.1	3.1	0.0	1	67.2	67.2	67.2	67.2	0.0
	38	2	2.9	3.4	3.9	3.4	1.0	2	6.4	7.3	8.2	7.3	1.9
	39 40	3	15.3 4.3	27.8 5.7	40.3 9.7	27.8 7.4	25.0 4.6	2	3.7 5.2	3.7 7.2	3.7 9.1	3.7 7.2	0.0 3.9
	41	1	3.6	3.6	3.6	3.6	0.0	3	2.6	2.9	2.9	2.7	0.3
	42	0	-	-	-	-	-	1	4.1	4.1	4.1	4.1	0.0
	43	0	-	-	-	-	-	4	3.2	21.9	45.7	27.0	24.9
	44	1	4.8	4.8	4.8	4.8	0.0	0	-	-	-	-	-
	45	0	-	-	-	-	-	2	2.2	2.6	3.1	2.6	0.9
	46	9	2.8	3.4	22.3	14.6	17.3	15	3.6	4.3	6.4	6.8	7.4
	47 48	13 7	2.7	3.2	53.4 3.6	22.5 5.1	25.9 5.1	13	2.8	3.4 4.1	6.5 29.3	14.6 14.8	20.9 16.7
	49	16	2.4	3.7	5.1	12.3	20.7	12	3.1	4.1	6.8	8.4	12.2
	50	9	2.1	2.4	3.3	10.3	16.7	19	3.0	3.6	4.2	3.7	1.0
	51	3	27.3	50.7	51.5	35.6	22.4	6	3.7	4.0	4.2	3.9	1.2
	52	10	2.8	3.2	11.1	11.2	15.8	15	3.0	4.5	8.7	5.9	3.8
	53	5	2.3	2.7	2.8	2.5	0.5	7	3.0	3.1	14.2	9.6	10.2

L	18		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me L	Time F	Count	F	ercentil	е		Std.	Count		Percentil	е	•	Std.
-	_		25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	299	2.0	2.4	3.1	3.3	3.2 0.2	342	2.7	3.3	4.3	3.9	2.5 0.0
	Jan Feb	3 1	1.9	2.0 1.8	2.1 1.8	2.0 1.8	0.2	4	2.8 4.0	2.8 4.3	2.8 5.5	2.8 5.2	2.0
	Mar	2	8.4	12.6	16.8	12.6	8.4	4	2.5	2.7	2.8	2.7	0.3
	Apr	2	1.8	1.9	2.1	1.9	0.3	4	4.3	5.7	6.6	5.1	1.8
ے	May	15	2.1	2.3	2.5	4.9	6.5	28	2.9	3.6	5.7	4.9	3.9
Month	Jun	19	1.9	2.2	2.9	3.1	2.3	25	3.2	3.9	5.1	4.4	1.5
Σ	Jul Aug	15 28	2.0	2.5	2.8 4.0	3.4 4.1	2.4 4.1	27 27	2.9	3.8	5.0 4.6	4.8 4.3	3.6
	Sep	19	2.3	2.7	3.1	4.1	4.4	14	2.9	3.5	5.8	5.6	4.2
	Oct	14	2.2	2.6	3.3	4.3	5.1	11	2.8	3.3	4.0	4.1	2.1
	Nov	71	2.1	2.4	3.2	3.0	1.9	89	2.3	2.8	3.5	3.0	0.9
	Dec	110	1.9	2.3	2.9	2.8	1.5	108	2.7	3.5	4.2	3.8	1.9
	2	0	1.8	1.9	1.9	1.9	0.1	0	2.8	2.8	2.8	2.8	0.0
	3	1	2.2	2.2	2.2	2.2	0.0	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	1	8.5	8.5	8.5	8.5	0.0
	7 8	0	-	-	-	-	-	3	3.8	4.1	4.3	4.1	0.4
	9	1	1.8	1.8	1.8	1.8	0.0	0	3.0	4.1	4.3	4.1	-
	10	2	8.4	12.6	16.8	12.6	8.4	4	2.5	2.7	2.8	2.7	0.3
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	1	1.6	1.6	1.6	1.6	0.0	2	6.8 5.3	6.8 5.7	6.8 6.1	6.8 5.7	0.0
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	1	2.3	2.3	2.3	2.3	0.0	1	2.3	2.3	2.3	2.3	0.0
	18	1	1.8	1.8	1.8	1.8	0.0	0		-	-	-	-
	19	0	-	-	-	-	-	1	3.8	3.8	3.8	3.8	0.0
	20	6 2	2.3 6.7	2.4 11.5	3.6 16.4	5.8 11.5	7.1 9.6	7	3.1	5.0 3.9	5.9 5.8	4.6 4.9	1.4 2.5
	22	6	2.2	2.3	2.4	2.3	0.2	13	2.6	3.9	5.6	5.2	5.3
	23	4	1.8	1.9	2.1	2.1	0.4	4	4.1	5.1	6.2	5.2	1.8
	24	4	2.3	2.5	3.8	3.6	2.2	1	2.6	2.6	2.6	2.6	0.0
	25	6	2.2	2.8	2.9	2.9	1.0	7	3.5	3.7	5.1	4.5	1.7
놓	26	4	1.9	2.0	4.3	4.2	3.9	11	3.4	4.0	4.7	4.2	1.2
Week	27 28	4	1.9	2.0	2.1	2.1	0.3	7	3.0	3.1	4.3 4.6	3.8 6.1	1.2 5.3
	29	0	-	-	-	-	-	3	2.8	3.0	3.5	3.2	0.6
	30	2	1.8	2.0	2.3	2.0	0.5	9	3.1	3.9	5.3	4.8	2.2
	31	8	2.2	3.1	7.4	4.6	2.7	8	2.7	2.9	4.1	4.3	3.1
	32	7	1.9	2.8	3.1	5.4	7.4	9	2.7	3.8	4.7	5.4	5.2
	33	8	1.9	3.3	6.3	4.1	2.5	4	2.2	3.6	5.0	3.6	1.5
	34 35	5 6	2.3	3.4 2.9	4.1 3.3	4.0 3.3	2.0 1.2	5 8	2.9	3.3	3.7 3.4	3.8	1.3 2.6
	36	5	2.1	2.3	2.3	2.2	0.4	2	2.7	2.7	2.8	2.7	0.0
	37	2	2.1	2.5	2.8	2.5	0.7	0	-	-	-	-	-
	38	5	2.7	3.0	5.2	4.7	2.8	4	4.6	5.7	6.6	5.5	2.5
	39	5	2.4	2.8	4.2	6.6	7.3	5	2.9	3.3	3.8	5.8	5.2
	40	6 3	2.1	3.3	2.9 5.4	2.5 4.2	0.5 2.4	5 4	3.3 2.6	3.4 2.9	4.4	5.5 4.4	4.0 3.0
	42	3	2.2	2.6	2.8	2.5	0.5	0	-	-	-	-	-
	43	1	3.4	3.4	3.4	3.4	0.0	1	4.0	4.0	4.0	4.0	0.0
	44	3	2.5	2.7	12.3	9.0	9.2	4	3.1	3.6	4.6	4.2	1.6
	45	6	2.1	2.3	2.4	2.3	0.4	8	2.1	2.3	2.9	2.7	1.0
	46	25	2.1	2.3	2.7	2.4	0.7	32	2.2	2.8	3.7	3.1	1.0
	47 48	19 19	2.1	2.6	3.3	2.7 3.9	0.8 3.1	19 22	2.3	3.1	3.5 3.4	3.1	1.0 0.5
	49	30	2.3	2.3	2.8	2.8	1.2	29	2.5	2.8	3.4	3.4	2.4
	50	30	1.7	2.0	2.4	2.6	1.5	27	2.9	3.7	4.4	3.9	1.3
	51	14	2.2	2.7	2.7	2.7	0.6	13	3.1	3.4	4.2	3.6	1.1
	52	23	2.1	2.6	3.2	3.3	2.3	30	2.7	3.5	4.2	3.8	2.0
	53	15	2.0	2.5	2.9	2.6	8.0	17	2.8	3.5	4.2	3.8	1.5

L	19		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hou	')
me l	Time F	Count	F	Percentil	е	•	Std.	Count	- 1	Percentil	e	•	Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	873	1.3	1.8	4.2	3.2	2.9 3.0	1023	1.7	2.2	3.6	3.1	2.4
	Jan Feb	39 48	1.2	1.5 1.3	3.0 2.1	2.8	2.2	63 52	1.8	2.3	3.3 3.2	3.2 2.9	2.4
	Mar	42	1.4	1.7	3.8	3.2	3.1	65	1.7	2.3	4.0	3.3	2.2
	Apr	50	1.3	2.3	5.0	3.7	3.5	73	1.8	2.7	4.9	4.0	2.9
۰	May	79	1.3	1.7	4.4	3.3	2.6	100	1.8	2.5	4.4	3.5	2.6
Month	Jun	97	1.3	1.8	3.7	3.3	3.1	95	1.9	2.5	4.5	3.6	2.7
2	Jul Aug	96 111	1.3	2.1 1.6	4.0	3.5 3.2	2.8	105 125	1.7	2.2	3.1	2.9 2.9	2.0
	Sep	96	1.4	1.9	3.4	2.8	2.2	99	1.6	1.8	2.4	2.6	2.0
	Oct	88	1.5	2.2	5.3	3.7	3.0	85	1.5	1.8	2.5	2.9	2.6
	Nov	57	1.4	2.1	3.8	2.9	2.0	74	1.6	2.0	2.6	2.7	2.2
Н	Dec	70	1.3	1.8	4.1	3.1	2.8	87	1.8	2.2	3.7	3.2	2.3
	2	8 11	1.4	1.6 1.5	2.2	2.5	2.1 1.6	10 15	1.8 1.8	2.1	3.9 2.4	3.6 2.3	2.7 0.9
	3	11	1.0	1.4	3.7	3.9	4.7	19	1.9	2.6	4.4	3.6	2.5
	4	8	1.1	1.3	2.7	2.4	1.9	14	1.9	2.1	2.4	2.6	1.5
	5	4	1.6	2.2	2.8	2.3	0.7	8	1.5	2.0	3.9	3.7	3.5
	6	19	1.1	1.2	1.8	2.3	2.3	19	1.6	1.8	2.4	2.2	1.0
	7 8	9	1.2 0.9	1.3 1.4	2.1	2.3	2.2	7 14	1.5 1.9	1.8 2.5	3.0 3.1	3.0 2.8	2.7 1.4
	9	6	1.1	1.3	3.1	2.3	1.9	12	1.9	2.8	4.3	4.1	3.2
	10	11	1.4	1.6	3.7	3.2	3.0	15	1.6	2.1	4.0	3.3	2.2
	11	10	1.3	2.8	6.8	5.1	4.8	13	2.0	2.4	3.3	3.5	2.6
	12	10	1.6	2.2	3.4	2.6	1.1	16	2.1	3.5	6.0	4.2	2.4
	13	6	1.4	1.7	3.5	2.4	1.4	12	1.6	2.3	3.0	2.7	1.6
	14	9	1.3	1.4	1.5	1.9	1.3	22	1.9	2.7	4.5	4.0	2.8
	15 16	12 11	1.4	3.8 1.7	6.8 4.9	5.0 3.0	4.2 2.2	15 12	2.1	2.4 3.3	4.6 4.1	3.4	2.1
	17	11	1.4	1.8	5.7	4.3	4.3	15	1.8	3.6	5.5	4.2	2.9
	18	18	1.3	2.5	3.6	3.1	2.7	25	1.8	3.4	4.9	4.4	3.5
	19	16	1.3	2.3	5.3	3.6	2.7	20	1.9	2.3	3.8	3.4	2.8
	20	23	1.2	2.4	4.8	3.1	2.1	18	1.8	2.5	4.4	3.0	1.3
	21	10 22	1.1 1.5	2.6 1.7	4.3	3.4 3.4	2.9	28	2.1 1.6	2.6	3.9 3.2	3.5 3.2	2.4
	23	28	1.4	2.5	4.3	3.5	3.1	27	1.7	2.3	3.7	3.5	3.3
	24	18	1.4	2.1	4.5	3.7	3.4	11	2.1	3.2	4.7	3.6	1.8
	25	25	1.3	1.7	3.7	3.4	3.2	23	2.0	2.6	4.7	3.7	2.5
¥	26	20	1.3	1.6	2.3	2.5	2.6	29	1.8	2.5	5.3	3.7	2.7
Week	27	20	1.3	1.7	5.0	4.1	4.2	26	2.1	2.9	3.9	3.6	2.5
	28 29	25 14	1.3	2.8	6.4 3.5	4.4 3.6	3.7 3.5	17 24	1.8	2.2 1.9	3.7 2.4	3.4 2.1	2.7 0.7
	30	26	1.2	1.5	2.5	2.3	1.9	25	1.5	1.7	2.2	2.1	1.0
	31	23	1.7	2.6	5.2	3.7	2.9	28	1.6	2.3	4.1	3.2	2.6
	32	27	1.2	1.5	3.6	2.6	2.4	34	1.6	1.7	2.5	2.3	1.6
	33	31	1.3	1.6	5.1	3.5	3.3	26	1.7	2.1	3.6	2.9	1.8
	34 35	19 23	1.4	2.3	3.8 5.0	3.1	2.9 2.4	22 26	1.8	2.8	4.4	3.6 3.2	2.4
	36	25 25	1.4	1.6	2.0	2.1	1.3	27	1.6	1.9	3.2	2.6	1.7
	37	25	1.3	1.8	2.7	2.9	2.4	29	1.6	1.8	2.4	2.6	1.8
	38	22	1.5	2.0	3.5	2.6	1.8	21	1.5	1.9	2.7	2.7	2.3
	39	23	1.6	2.0	4.2	3.2	2.5	22	1.6	1.9	2.7	3.0	2.4
	40	24	1.7	2.8	5.4	3.8	2.5	20	1.5	1.8	2.1	2.4	2.0
	41 42	21 19	1.4	1.7 1.8	4.1 3.6	3.1	2.9	20 15	1.5 1.6	1.8 1.9	2.3 4.1	2.6 3.2	2.6
	43	12	1.9	2.8	5.1	4.7	4.4	19	1.4	1.7	2.8	3.3	3.5
	44	19	1.6	2.7	5.9	4.1	3.1	19	1.6	1.9	2.7	2.5	1.5
	45	15	1.4	1.7	4.1	3.2	2.7	21	1.6	2.4	3.1	3.3	2.7
	46	18	1.3	1.5	2.4	2.2	1.4	21	1.7	2.0	2.5	2.7	2.1
	47	13	1.5	1.8	2.8	2.8	2.1	12	1.4	2.0	2.2	2.4	2.0
	48	9	2.5	3.5	4.6	3.6	1.5	14	1.6	1.8	2.1	1.9	0.4
	49 50	21 12	1.3	1.5 1.6	4.2 5.2	3.2	2.8	24 24	1.6 2.0	1.9 2.3	2.7 3.5	2.7 3.2	2.0
	51	13	1.7	3.1	4.9	3.7	2.4	11	1.8	2.0	3.3	3.0	2.2
	52	14	1.2	1.8	2.9	3.0	3.4	22	1.9	2.3	3.6	3.1	2.2
	53	11	1.5	1.8	2.0	2.3	1.7	11	2.0	3.2	5.4	4.4	3.5

L	20		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	·)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1118 57	1.2	1.7 1.5	3.8 5.0	2.9 3.3	2.5 3.2	1229 75	1.6	2.2	4.2 3.5	3.3	2.6
	Jan Feb	72	1.1	1.5	3.8	2.5	2.2	75 57	1.7	2.2	4.3	3.3	2.3
	Mar	67	1.3	1.8	4.4	3.2	2.5	92	1.6	2.3	3.4	3.3	2.8
	Apr	77	1.2	1.4	5.0	3.0	2.7	101	1.7	2.8	5.7	4.0	2.9
ч	May	108	1.1	1.5	4.2	2.9	2.5	118	1.6	2.2	4.1	3.5	2.8
Month	Jun Jul	111	1.3	1.7 1.8	3.6	2.9 3.1	2.5	114 113	1.6 1.4	2.1	4.4 3.7	3.3 3.1	2.6
2	Aug	116	1.3	1.6	2.4	2.3	1.8	134	1.5	2.1	3.8	3.0	2.4
	Sep	98	1.3	1.9	3.8	2.9	2.3	111	1.4	1.9	3.8	3.0	2.4
	Oct	119	1.5	2.0	4.0	3.2	2.5	111	1.6	2.4	4.7	3.7	2.8
	Nov	82	1.4	2.0	3.7	3.1	2.6	104	1.5	2.4	4.4	3.5	2.7
Н	Dec 1	99 12	1.3	1.5 1.4	2.5	2.3 3.2	1.8 3.3	99 12	1.6 2.0	2.2	3.8 2.9	3.3 3.1	2.8
	2	13	1.3	1.4	3.8 4.3	3.1	2.5	20	1.9	2.4	3.8	3.1	2.6
	3	18	0.9	1.1	5.6	3.4	3.5	26	1.7	2.0	4.0	3.0	1.9
	4	12	1.1	1.2	5.4	3.3	3.0	12	1.6	1.8	2.2	2.3	1.2
	5	6	1.9	2.3	2.3	3.1	2.6	10	1.4	1.7	3.6	3.4	3.0
	6	26	1.0	1.1	1.9	2.2	2.4	19	1.9	2.3	3.8	2.9	1.3
	7 8	13 23	1.2	1.4 2.2	2.7 4.4	2.5	2.3	11 14	1.6	3.2 2.3	4.0	2.9 3.8	1.3 2.8
	9	10	0.9	1.2	2.1	2.9	1.8	12	1.6	2.3	3.6	3.5	2.8
	10	14	1.4	2.0	4.7	3.6	3.0	23	1.5	2.0	3.3	3.3	3.0
	11	17	1.3	1.7	4.3	3.1	2.3	17	1.7	2.4	3.5	3.2	1.9
	12	14	1.2	1.4	3.9	2.9	2.2	19	1.9	2.3	4.1	3.6	3.1
	13	14	1.3	2.4	4.1	3.3	2.7	21	1.6	2.1	2.7	2.8	2.4
	14 15	13 23	1.3	1.7 2.7	5.3 5.7	2.8 3.9	2.0 3.3	28 20	2.0 1.9	3.6 2.3	7.6 4.9	5.2 3.1	3.6 1.9
	16	16	1.1	1.4	4.7	3.0	2.7	23	1.7	2.3	4.9	3.8	3.2
	17	16	1.2	1.4	4.4	3.1	2.8	21	2.3	3.9	5.7	4.1	2.2
	18	24	1.1	1.3	2.5	2.2	2.1	32	1.5	2.0	4.7	3.4	2.4
	19	20	1.2	1.7	3.9	2.7	2.0	18	1.6	1.8	2.8	2.6	2.2
	20	26	1.2	1.8	5.1	3.1	2.8	27	1.9	2.7	4.0	3.4	2.4
	21	20 31	1.0	1.3 2.7	3.4 4.5	2.6 3.2	2.8	27 31	2.1 1.5	2.6 1.9	7.5 3.9	4.5 3.2	3.3 2.8
	23	25	1.2	1.4	3.8	3.2	3.2	29	1.6	1.8	3.9	3.0	2.4
	24	24	1.6	1.8	3.6	3.0	2.3	15	1.7	1.9	2.5	2.6	1.8
	25	28	1.4	2.1	4.3	2.7	1.7	31	1.7	2.3	5.3	3.6	2.7
¥	26	24	1.3	1.7	2.6	2.5	1.9	31	1.7	2.7	4.4	3.6	2.8
Week	27	26	1.3	1.5	2.5	2.7	2.6	28	1.6	2.1	4.4	3.6	3.1
	28 29	27 24	1.5	2.3 1.6	5.8 2.8	3.8 2.9	3.0 2.7	17 26	2.1 1.4	2.8	3.3 4.8	3.1	2.0
	30	28	1.1	1.5	2.6	2.6	2.6	32	1.3	1.5	2.8	2.5	2.2
	31	24	1.3	1.8	3.8	3.0	2.7	28	1.6	2.0	3.6	2.9	1.9
	32	31	1.2	1.5	2.4	2.2	1.8	39	1.5	2.1	3.7	3.0	2.2
	33	28	1.3	1.5	2.3	2.3	1.8	21	1.4	1.8	3.3	3.1	2.7
	34 35	20 24	1.4	2.2 1.5	3.4 2.0	2.8	2.1 1.9	27 28	1.8 1.5	2.2 1.8	4.4 3.0	3.4 2.9	2.4
	36	35	1.2	1.5	3.8	2.2	1.9	32	1.5	1.8	2.9	2.9	1.5
	37	21	1.2	2.2	3.8	3.2	2.7	31	1.5	2.0	3.5	2.8	1.8
	38	22	1.5	2.6	4.1	3.2	2.1	19	1.4	2.3	3.9	2.8	1.7
	39	21	1.4	1.9	4.6	3.1	2.5	30	1.5	2.0	4.6	3.6	3.0
	40	23	1.5	1.8	3.1	2.5	1.6	24	1.5	2.8	4.7	3.8	2.9
	41 42	32 21	1.4	1.9 1.7	3.4	2.7	1.9 2.0	25 18	1.4 2.1	1.8 4.6	2.8 6.2	2.5 4.7	1.7 3.0
	43	20	1.5	2.2	4.0	3.7	3.3	26	1.2	2.3	3.9	2.9	1.9
	44	30	1.6	2.3	4.6	3.7	3.0	29	2.2	4.2	7.3	5.3	3.6
	45	26	1.4	1.7	3.7	2.8	1.9	24	1.3	2.6	5.2	3.7	2.8
	46	25	1.3	1.9	3.0	2.4	1.3	26	1.3	1.8	2.8	2.2	1.3
	47	13	1.6	2.0	4.3	4.1	4.2	21	1.6	2.0	6.0	3.9	3.1
	48 49	15 29	1.6 1.3	2.2 1.5	5.4	3.9 2.1	3.2 1.8	25 30	1.7	2.6	4.8 3.6	3.7 2.8	2.9 1.7
	50	26	1.0	1.5	2.1 3.1	2.1	1.9	23	1.8	3.0	4.3	3.8	3.0
	51	16	1.3	1.8	4.0	2.7	2.0	18	1.5	2.3	3.5	3.7	3.7
	52	17	1.4	1.6	2.8	2.3	1.6	21	1.6	2.4	3.5	3.1	2.2
	53	12	1.3	1.5	2.4	2.3	1.9	12	1.7	2.5	4.0	3.6	3.3

L	21		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	е		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1033	2.5	4.3	9.3	8.5	11.7 18.1	1237	3.1	4.2	7.8	6.9	8.4 11.4
	Jan Feb	56 57	2.2	2.5 2.5	4.1 3.7	10.6 9.0	16.3	83 81	2.8	3.2 3.1	3.8 3.8	5.9 5.7	10.1
	Mar	64	2.4	2.7	4.8	9.1	13.9	95	2.8	3.3	3.8	4.8	8.7
	Apr	74	2.1	2.5	4.7	8.7	15.4	102	2.8	3.5	4.0	6.0	9.8
ے	May	87	3.2	6.8	10.7	9.9	11.4	109	4.5	6.8	10.1	7.8	5.1
Month	Jun	95	5.4	7.9	11.2	10.6	10.5 9.7	115	6.1	7.5	10.1	8.7	6.1
≥	Jul Aug	110 117	5.4 2.1	7.2 2.7	10.4 3.7	9.9 6.5	11.3	114	5.4 2.7	7.3 3.2	9.5 4.5	9.6 6.6	10.6 9.6
	Sep	106	3.3	6.0	9.4	7.4	7.6	106	4.2	6.8	9.0	7.1	3.6
	Oct	104	6.3	9.2	13.2	11.4	9.1	96	6.5	8.4	11.8	10.5	7.6
	Nov	73	2.4	3.0	4.1	5.1	8.6	96	2.8	3.5	4.2	4.9	5.6
	Dec	90	2.3	2.7	3.2	4.6	7.8	102	2.9	3.3	4.2	4.7	6.0
	2	8 17	1.9 2.3	2.0 3.6	2.4 5.3	9.8	20.6 14.4	12 22	3.1 2.9	3.3	3.5 4.2	3.4 7.5	0.7 13.2
	3	15	2.2	2.4	4.0	6.9	10.9	26	2.8	3.0	3.8	3.4	0.9
	4	13	2.3	2.5	2.8	11.8	20.7	14	2.9	3.3	3.9	3.3	0.6
	5	7	2.6	2.9	3.7	12.6	23.7	15	2.7	3.2	15.8	16.3	23.3
	6	21	2.2	2.6	5.6	12.6	21.1	22	2.8	3.1	3.6	3.3	1.0
	7 8	9 18	2.0	2.3	2.7 3.8	3.5 7.9	3.5 12.7	18 22	2.4	2.9 3.5	3.6 4.0	4.5 7.5	6.3 13.5
	9	10	1.8	2.4	5.3	10.4	16.4	18	2.6	3.0	3.4	3.3	1.1
	10	16	2.1	2.5	6.0	9.6	14.8	21	2.6	3.2	3.4	4.0	3.5
	11	16	2.3	2.5	2.7	3.6	4.2	17	3.1	3.3	4.3	3.7	0.9
	12	18	2.5	2.9	26.4	14.3	18.6	23	3.0	3.3	3.7	6.0	12.5
	13	5	2.7	2.9	4.3	4.2	2.3	19	2.7	3.8	4.4	6.5	12.8
	14 15	13 22	1.9 2.0	2.2	2.8 11.9	5.1 12.7	8.0 20.5	32 21	3.3	3.7 3.6	4.3 4.5	5.7 6.1	8.4 11.4
	16	16	2.1	2.7	7.2	8.2	12.7	25	2.8	3.3	3.6	5.2	7.1
	17	14	2.6	4.6	11.3	12.8	17.4	20	3.1	3.8	4.3	8.3	13.2
	18	21	2.0	2.3	2.6	4.8	10.6	27	2.6	3.1	4.0	3.6	1.9
	19	18	2.5	2.8	9.9	6.9	8.4	21	3.5	6.1	9.0	8.6	8.7
	20	23 18	5.6 5.8	8.4 8.5	11.6 12.4	10.6 12.5	8.9 13.0	25 27	5.8 6.5	8.3 7.1	11.6 8.8	9.3	4.1 2.3
	22	20	5.0	6.5	9.4	10.1	11.5	23	4.8	6.9	10.5	7.5 7.8	3.8
	23	21	6.9	9.2	11.3	11.4	10.5	26	5.5	7.0	10.0	7.5	3.1
	24	21	4.8	9.3	13.1	9.8	5.9	17	6.2	10.1	14.7	11.3	5.4
	25	24	4.9	7.1	9.6	7.3	3.5	26	6.3	7.6	9.3	7.9	3.0
κ	26	22	5.8	7.6	9.7	13.2	15.5	35	6.0	7.4	9.5	7.6	2.2
Week	27 28	25 22	5.3 6.1	7.1 6.8	9.9	13.7 8.4	17.1 5.5	34 17	5.5 5.4	6.8 8.4	8.3 10.4	12.4 11.2	16.6 13.4
	29	25	5.5	7.3	10.1	8.8	6.5	27	5.0	6.8	9.3	9.0	9.1
	30	26	6.2	8.1	10.5	9.2	6.3	31	5.6	7.7	10.0	8.5	3.9
	31	24	6.0	7.9	10.2	11.7	13.4	27	6.2	7.2	8.5	7.9	3.0
	32	30	2.3	3.6	19.4	10.8	11.9	37	2.9	3.9	21.5	12.5	14.1
	33 34	29 21	2.3	2.6 2.4	3.1 2.8	6.9 2.8	14.2 1.3	22 31	2.4	3.2	3.8	3.2 4.1	0.8 5.0
	35	27	2.0	2.4	2.9	2.9	2.4	29	2.3	2.8	3.4	4.1	9.3
	36	34	2.3	2.6	3.2	2.7	0.7	29	2.4	2.9	3.2	3.0	1.0
	37	21	6.0	8.8	11.0	8.3	3.7	30	4.5	8.1	9.1	7.6	3.8
	38	22	5.2	5.9	8.0	9.7	13.7	18	6.0	7.2	9.0	7.5	2.4
	39 40	23 30	6.0 7.8	7.4 14.2	10.8 18.5	8.5 14.2	3.2 6.9	27 24	6.4 7.2	7.8 16.2	9.5 17.7	8.4 13.5	2.6 5.5
	41	29	4.8	6.8	11.1	8.4	4.8	20	6.2	6.7	9.1	7.9	3.0
	42	17	4.8	9.2	12.5	11.2	10.4	18	6.8	8.2	9.0	8.3	3.2
	43	14	6.8	9.3	11.6	11.5	8.7	27	6.3	8.3	10.7	11.9	12.0
	44	29	6.9	9.3	10.5	11.1	11.2	17	6.5	8.5	10.3	9.2	4.2
	45 46	17 27	3.6 2.1	4.7 2.4	7.1	5.6	2.6	25 24	4.1	5.1	10.2	7.5	7.1
	46	13	2.1	3.0	3.2	2.6 10.7	0.8 18.9	18	2.8	3.2	3.7 3.7	3.3	0.9
	48	12	2.6	2.7	3.4	3.2	1.6	24	2.7	3.6	4.0	5.1	7.9
	49	28	2.2	2.7	3.0	2.9	1.3	29	2.9	3.7	4.1	3.8	1.5
	50	18	2.2	2.5	3.1	6.7	12.7	24	2.8	3.1	4.1	3.4	8.0
	51	14	2.3	2.7	3.0	2.8	0.9	18	3.1	3.3	3.8	8.2	12.3
	52 53	20 10	2.6	2.9 3.0	3.4 4.1	6.7 3.5	10.6	22 14	2.9 3.3	3.1 4.0	3.8 4.8	3.5 5.8	1.1 5.9
ш	JJ	IU	2.0	5.0	4.1	J.J	1.3	14	٥.٥	4.0	4.0	J.0	5.5

L	22		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	l f	Std.	Count	ı	Percentil			Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1568 114	4.0 3.7	4.7	5.8 5.1	5.4 4.6	3.5 1.4	1608 126	6.2	7.7 7.3	10.2 8.8	8.9 8.8	4.3
	Feb	137	3.7	4.2	4.9	4.6	1.5	131	6.3	7.7	10.0	9.2	4.7
	Mar	135	3.9	4.3	5.0	4.9	3.0	134	5.9	7.6	10.4	8.9	4.8
	Apr	138	3.7	4.1	4.8	5.1	4.7	141	6.8	8.1	10.8	9.3	4.0
ᇁ	May	130	3.7	4.2	4.8	5.2	5.1 1.7	141	6.8	8.8	11.8	9.9	4.8 5.0
Month	Jun Jul	129 144	4.2	4.7 5.1	5.7 6.2	5.2 5.6	1.8	133 136	6.4 6.1	7.8 7.5	10.1 10.4	9.0 8.9	4.3
_	Aug	133	4.3	5.0	6.3	5.8	3.7	139	6.0	7.3	9.4	8.6	4.0
	Sep	121	4.7	5.4	6.7	5.9	2.1	121	5.9	7.5	9.3	8.3	3.7
	Oct	122	4.7	5.3	6.4	6.4	4.8	130	5.9	7.5	9.6	8.4	3.5
	Nov	131	4.6	5.2	6.3	6.1 5.4	5.1 2.3	139	6.1	7.9	9.7	8.3	3.1 4.1
	Dec 1	134 13	4.2 3.7	4.8 3.9	5.9 4.5	4.4	1.1	137 13	6.4 7.3	8.3 8.7	11.5 14.5	9.5 11.6	6.1
	2	22	4.5	4.7	5.1	4.7	0.8	23	6.9	8.2	11.8	10.2	5.1
	3	31	3.4	3.8	4.1	4.0	1.4	30	6.7	7.4	8.9	8.6	4.2
	4	33	3.8	4.5	5.1	4.7	1.3	34	6.2	7.3	8.2	8.0	2.7
	5 6	19 34	4.3	4.8	6.6 5.2	5.5 4.8	1.7 1.5	29 28	5.2 6.3	6.1 g 1	7.0 11.8	7.2	4.5
	7	34	3.9	4.3	4.5	4.8	1.5 0.8	40	6.3	8.1 7.7	11.8	9.3 9.4	3.9 4.6
	8	41	3.8	4.5	5.1	4.9	2.0	31	6.2	7.2	8.7	7.7	2.8
	9	28	3.4	3.8	4.7	4.3	1.4	32	6.9	8.6	12.5	10.7	6.2
	10	27	4.0	4.6	5.3	5.0	1.5	29	6.2	7.7	9.7	8.2	2.8
	11	29	4.1	4.5	5.1	4.9	1.4	31	5.5	7.3	10.6	9.9	7.9
	12 13	37 30	3.8	4.1 4.1	4.7	4.4 4.5	0.9 1.2	30 33	5.9 6.5	7.5 7.7	10.6 9.2	8.3 8.6	2.7 4.0
	14	27	3.5	4.0	4.7	6.3	7.5	32	7.8	10.1	14.1	11.4	5.1
	15	35	3.5	4.0	4.5	5.5	7.5	31	6.8	8.5	10.2	9.1	3.7
	16	31	3.7	4.1	4.9	4.5	1.3	34	6.7	7.9	9.1	8.4	2.6
	17	32	3.8	4.3	4.9	5.0	2.3	34	6.7	7.8	10.5	8.6	3.0
	18 19	34 26	3.7	4.1 4.3	4.8 5.0	4.7 4.8	3.0 1.8	33 30	6.3 6.5	7.4 7.9	11.2 11.9	8.9 9.9	4.1 6.1
	20	30	3.9	4.4	4.8	6.3	8.6	31	7.0	9.4	12.0	10.6	4.7
	21	29	3.4	3.7	4.3	4.2	1.9	34	7.0	8.6	12.4	10.1	4.0
	22	32	4.1	4.7	6.1	6.2	5.2	31	6.5	8.8	10.7	9.6	4.4
	23	32	4.1	5.0	6.2	5.1	1.3	33	6.2	7.4	8.0	7.3	1.6
	24 25	28 34	4.6 3.8	5.3 4.4	6.3 5.6	5.4 5.2	1.1 2.6	23 33	6.3 7.0	7.7 8.4	10.8 11.3	10.3 9.6	9.6
	26	26	4.4	4.5	5.0	4.6	0.6	31	7.1	9.4	10.6	9.6	3.3
Week	27	35	4.2	4.7	6.0	5.2	1.5	38	5.6	7.5	9.1	7.5	2.4
>	28	34	4.5	5.1	6.2	5.6	1.6	28	6.5	7.6	9.7	8.8	3.8
	29	29	4.2	5.4	6.5	5.7	1.7	31	6.3	7.5	10.6	9.1	4.4
	30	34 28	4.3	5.2 4.9	6.6 5.9	6.1 5.2	2.5 1.2	33 31	6.3	7.4 7.7	11.6 10.0	9.1 9.5	4.4 5.1
	32	34	4.4	5.1	6.4	5.2	2.7	39	6.2	7.7	9.0	9.5 8.4	3.4
	33	38	4.4	5.0	6.1	5.4	1.5	23	5.9	8.2	9.9	9.7	5.6
	34	23	4.2	4.9	6.0	5.1	1.1	29	6.1	7.9	10.6	9.2	4.4
	35	27	4.4	5.2	6.8	7.2	7.1	27	5.7	7.1	8.7	7.9	3.1
	36 37	35 26	4.5 4.8	5.3 5.0	6.5 5.6	5.7 5.7	1.8 2.7	32 31	6.0	7.0 8.0	8.7 10.5	7.9 9.2	3.3 4.5
	38	23	4.6	5.6	7.6	6.4	2.7	24	5.0	6.3	8.2	7.2	3.0
	39	29	4.7	5.4	6.6	5.9	1.7	31	6.0	6.8	9.0	7.4	1.8
	40	30	4.9	6.0	7.0	6.3	2.3	31	6.4	8.1	10.5	8.9	3.9
	41	33	4.7	5.5	7.0	7.1	6.0	24	5.5	7.4	9.0	8.6	4.2
	42	22 19	4.7 4.5	4.9 5.1	6.3 5.9	5.4 5.1	1.2	21 41	5.9 5.8	7.2 6.8	8.9 9.1	7.9 8.0	2.3 3.5
	43	36	4.8	5.4	6.2	7.0	6.1	28	5.9	7.7	11.6	9.0	3.7
	45	31	4.3	5.0	6.2	5.5	1.9	31	6.6	8.0	9.5	8.6	3.4
	46	28	4.8	5.6	6.5	5.7	1.5	28	5.8	8.4	9.6	8.0	2.6
	47	31	4.6	5.1	6.4	6.0	4.1	36	5.9	7.4	10.6	8.6	3.7
	48	33	4.6	5.1	5.8	7.1	9.0	38	6.2	7.3	9.4	8.1	2.6
	49 50	30 31	4.5 3.7	5.0 4.2	5.6 4.8	5.3 4.5	1.6 1.7	27 34	6.9 7.1	8.5 9.2	11.5 12.6	9.6 10.5	3.9 4.8
	51	27	4.3	4.2	5.9	5.6	2.5	33	6.2	7.8	9.5	8.2	2.9
	52	30	4.4	5.4	6.0	6.0	3.2	31	6.3	8.6	12.3	9.8	4.6
	53	18	4.8	5.4	6.2	5.5	1.4	15	6.7	7.5	9.8	8.7	3.3

L	23		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1863 144	2.4	3.4	8.0	5.6 5.8	4.4 4.5	1862 160	3.2	4.1 4.4	6.2 6.6	5.5 5.8	4.1
	Feb	143	2.2	3.5	9.0	6.0	4.9	137	3.3	4.4	6.8	5.9	4.6
	Mar	169	2.3	2.8	7.6	5.4	5.0	166	3.3	4.1	5.9	5.7	4.5
	Apr	162	2.3	3.3	7.8	5.5	4.8	156	3.3	4.3	5.9	5.3	3.8
ے	May	148	2.3	3.7	8.1	5.6	4.3	153	3.4	4.5	6.8	5.7	3.2
Month	Jun Jul	147 160	2.5	3.4 4.1	6.9 8.2	5.3 5.8	4.0 4.2	150 150	3.3	3.9 3.9	5.8 5.7	5.5 5.3	4.1
2	Aug	158	2.6	3.3	7.8	5.4	3.8	163	3.1	3.8	6.2	5.6	4.7
	Sep	156	2.7	3.9	8.4	5.9	4.6	148	3.0	3.7	6.0	5.2	4.0
	Oct	158	2.7	3.7	8.4	5.7	4.3	155	3.0	4.1	6.5	5.6	4.5
	Nov	155	2.6	3.8	8.0	5.6	3.9	151	2.9	3.9	6.3	5.0	3.1
	Dec 1	163 16	2.4	3.3	7.9	5.6 4.1	4.6 3.2	173 19	3.0	4.0	5.8	5.2 6.2	3.4
	2	33	2.1	2.3 4.7	5.2 8.4	5.8	3.7	34	3.7	5.3 4.4	6.1 6.5	5.9	3.8 4.1
	3	36	2.1	2.5	8.4	5.2	4.5	34	4.2	5.2	8.1	6.9	5.1
	4	41	2.3	3.8	9.2	6.2	4.5	41	3.1	3.8	6.0	4.8	2.4
	5	25	2.5	4.4	11.8	6.8	5.4	33	2.8	3.6	6.2	5.7	4.2
	6	29	2.6	6.6	11.5	7.9	5.6	29 45	3.5	4.1	5.4	5.8	4.4
	7 8	38 40	2.3	3.5	8.3 8.1	5.5 5.6	4.5 4.4	45 30	3.3	3.8	5.5 6.5	5.6 5.5	4.8 3.9
	9	34	2.0	2.2	5.7	5.2	5.2	37	3.5	4.8	8.3	6.9	4.7
	10	38	2.3	3.0	7.7	5.7	5.5	37	3.3	3.8	7.5	5.8	4.3
	11	36	2.3	3.3	6.3	6.1	6.2	45	2.8	4.1	5.3	4.8	2.7
	12	48	2.2	2.8	7.6	4.9	3.8	36	3.3	4.4	6.2	6.2	5.6
	13 14	35	2.3	2.8	5.3	4.8	4.5	35	3.4	4.5	5.7	5.8	5.1
	15	29 42	2.0	3.0 4.7	7.3 7.6	6.0 5.2	5.4 3.7	32 35	4.0 3.5	4.7 4.4	8.3 6.7	6.3 5.3	3.3 2.2
	16	42	2.3	2.8	6.8	4.7	3.5	40	3.3	4.0	5.3	5.2	4.6
	17	32	2.5	3.4	8.1	5.8	5.0	36	3.0	3.8	5.7	5.6	5.1
	18	37	2.2	2.6	7.9	5.6	5.6	32	3.1	4.2	5.3	4.9	2.4
	19	35	2.3	4.0	9.0	6.2	4.8	37	3.2	4.0	5.0	4.5	1.8
	20	37 30	2.4	4.2 2.7	8.1 7.8	6.0 4.9	5.1 3.3	41 30	3.7	4.9 5.2	6.6 9.3	5.9 6.7	3.3
	22	33	2.6	4.1	8.3	5.9	3.9	34	3.3	4.9	6.9	5.8	3.6
	23	35	2.6	3.4	5.7	5.0	3.9	35	2.9	3.8	4.5	4.8	3.2
	24	33	2.7	3.6	7.1	5.2	3.4	30	3.0	4.2	5.1	5.6	5.3
	25	40	2.6	3.8	6.8	5.1	3.3	35	3.4	3.9	5.2	5.0	2.9
충	26 27	31 41	2.2	2.7 6.0	7.2 9.4	4.8	3.4 5.2	37 42	3.4	4.7 4.4	8.8	6.8	4.9 2.4
Week	28	35	2.6	4.3	9.4	6.7	4.5	29	3.2	4.4	6.1 6.3	5.0 5.6	3.4
	29	33	2.8	5.9	8.3	6.1	3.4	37	3.2	3.8	5.0	5.5	5.6
	30	36	2.9	4.2	7.4	6.0	4.7	33	3.4	3.8	5.4	5.3	4.6
	31	36	2.5	3.2	6.6	5.4	4.2	37	3.0	3.3	5.2	5.3	4.8
	32	35	2.5	3.0	5.8	4.6	3.0	39	3.2	3.8	5.6	5.6	5.5
	33 34	41 33	2.7	3.9	7.9 6.2	5.8 5.1	4.0 3.7	32 32	3.2	4.3	6.2 7.2	5.2 5.7	3.0 4.1
	35	32	2.4	3.2	8.3	5.3	3.8	36	2.9	4.0	6.0	5.7	5.0
	36	40	2.4	3.6	7.6	5.3	3.5	39	3.1	3.8	5.4	4.7	2.5
	37	30	2.7	4.3	7.7	5.3	3.1	35	3.0	3.4	6.3	5.1	3.8
	38	31	2.5	4.7	9.0	7.5	7.5	29	2.8	3.6	6.8	5.8	5.6
	39 40	45 37	2.7	3.1 4.1	8.3 8.1	5.3 5.7	3.6 3.6	39 37	3.1	3.7 4.6	5.3 8.2	5.3 6.4	3.8 4.2
	41	40	2.8	3.6	6.8	5.2	3.4	25	3.0	4.1	5.1	4.6	2.5
	42	32	2.6	4.5	8.3	6.4	5.9	32	3.4	3.9	5.4	4.9	2.8
	43	29	2.5	3.2	7.9	5.5	3.7	44	3.2	5.0	7.5	6.5	5.5
	44	45	2.9	4.4	10.0	6.2	4.0	35	2.8	3.5	6.4	5.3	5.2
	45 46	34 37	2.6	2.9 4.9	8.6	5.0	3.4 2.8	33 34	3.2	4.0	5.7	4.8	2.8 4.0
	46	36	2.8	3.2	8.0	5.6 6.1	2.8 5.1	34	2.8	3.5 4.1	6.2 7.1	5.3 5.4	3.1
	48	34	2.7	4.1	7.6	5.9	4.1	42	3.2	3.9	5.9	4.7	2.2
	49	36	2.6	4.4	8.3	6.2	4.3	34	3.3	4.0	4.5	4.9	3.2
	50	39	2.1	2.4	5.1	4.2	3.3	38	3.2	3.9	6.2	5.4	3.3
	51	29	2.5	3.3	9.8	7.0	6.8	41	3.1	4.4	7.9	5.5	3.1
	52 53	39 23	2.5	3.3 4.2	7.0	5.4 5.1	4.2 2.9	37 25	3.0 2.9	4.0	5.2 4.6	5.5 4.6	4.2 2.9
ш	JJ	23	2.1	4.2	1.0	J. I	2.9	20	2.9	3.8	4.0	4.0	2.9

L	24		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count	- 1	Percentil	e	•	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1709	2.1	2.5	3.2	3.1	2.2	1727	2.5	3.0	3.8	3.5	2.4 1.5
	Jan Feb	131 137	2.1 1.9	2.3	3.0	3.0 2.8	1.8	150 126	2.5	3.1	3.8 3.6	3.5 3.5	2.1
	Mar	154	1.9	2.3	2.8	2.7	2.0	151	2.5	3.0	3.7	3.4	2.0
	Apr	142	1.9	2.3	2.8	2.7	2.1	144	2.3	2.9	3.7	3.6	4.8
ے	May	136	1.9	2.4	3.1	3.0	2.0	145	2.5	2.8	3.4	3.1	1.2
Month	Jun	142	2.1	2.5	3.1	2.8	1.3	144	2.6	3.0	3.7	3.3	1.8 3.1
≥	Jul Aug	148 140	2.2	2.6	3.1	2.8 3.2	1.6	140 147	2.4	3.0	3.6 4.0	3.4 3.8	2.2
	Sep	142	2.3	2.9	4.3	3.5	1.9	134	2.6	3.0	4.1	3.7	1.9
	Oct	151	2.4	2.8	4.5	4.3	4.2	150	2.5	3.0	4.1	3.8	2.6
	Nov	138	2.1	2.4	3.2	2.9	1.7	138	2.6	3.0	3.7	3.4	1.4
	Dec	148	2.2	2.5	3.2	3.1	2.5	158	2.4	2.9	3.7	3.4	1.5
	2	14 33	2.1	2.2	2.7 2.5	2.4	0.4 1.8	18 33	2.4	3.0	3.6 3.7	3.6 3.4	2.1 1.4
	3	32	1.9	2.3	3.1	3.1	2.9	31	2.7	3.0	4.1	3.6	1.5
	4	35	2.1	2.4	2.8	3.0	1.9	36	2.6	3.2	3.6	3.2	0.8
	5	25	2.7	3.3	4.8	3.9	1.8	36	2.5	3.3	4.3	4.0	2.2
	6	27	2.1	2.9	4.8	4.2	3.2	23	3.1	3.7	4.1	3.8	1.0
	7 8	32 43	1.9 2.0	2.3	2.8	2.5 2.4	0.8	38 33	2.4	2.7	3.1 3.5	3.2	2.3 0.8
	9	32	1.8	2.0	2.3	2.4	1.6	31	2.5	3.0	3.5	3.5	2.7
	10	38	1.9	2.2	2.5	3.0	3.2	37	2.6	3.0	3.5	3.6	3.0
	11	33	2.1	2.4	3.1	2.7	1.3	44	2.3	3.0	3.7	3.3	1.7
	12	40	2.0	2.3	2.6	2.4	0.8	29	2.5	3.0	3.5	3.2	1.2
	13 14	31	1.8	2.3	3.1	2.7	1.5	26	2.6	2.8	3.9	3.4	1.7 2.4
	15	27 36	1.9	2.1	2.3	2.3	0.8	35 33	2.6	3.0 2.9	4.3 3.7	4.0 4.8	9.6
	16	36	1.9	2.5	3.6	3.4	3.8	38	2.4	3.0	3.7	3.2	1.1
	17	32	2.1	2.3	2.8	2.5	0.7	33	2.3	2.7	3.3	2.8	0.7
	18	30	1.9	2.3	2.9	2.7	1.1	28	2.5	3.0	3.5	3.2	0.9
	19	33	1.8	2.0	2.6	2.3	0.7	34	2.5	2.7	3.3	3.0	1.1
	20	31 29	1.9	2.4	3.1 2.9	2.8	1.0	35 31	2.4	2.8	3.6 3.6	3.1 3.5	1.1
	22	31	2.3	2.9	4.0	4.1	3.3	34	2.4	2.6	3.3	2.9	1.0
	23	33	2.1	2.5	2.8	2.8	1.5	30	2.4	2.8	3.4	2.9	0.7
	24	38	2.3	2.6	3.2	3.0	1.2	35	2.8	3.2	4.1	4.1	3.2
	25	37	2.1	2.5	3.1	2.6	0.7	32	2.7	2.9	3.7	3.3	1.1
충	26 27	28 39	2.0	2.5	2.9	2.7	0.9 1.4	34 42	2.7	3.1 2.9	3.6	3.2	0.7
Week	28	33	2.0	2.3	3.1	2.7	0.7	25	2.3	2.8	3.3	3.0	1.3
	29	31	2.2	2.8	3.2	3.0	1.5	37	2.4	3.0	3.7	3.1	0.7
	30	30	2.4	2.6	3.4	2.9	0.9	26	2.6	3.0	3.8	4.5	6.7
	31	32	2.2	2.5	3.3	2.8	1.0	38	2.4	2.8	3.8	3.3	1.4
	32	33	2.3	2.8	3.6	3.3	1.9	34	2.8	3.5	4.2	3.8	1.8
	33 34	35 27	2.5	2.8	3.7 2.8	3.1 2.6	1.1 0.7	27 27	2.8	3.3	4.6 3.6	3.9 4.1	1.4 3.5
	35	31	2.3	2.7	4.1	3.6	2.4	35	2.5	3.1	3.7	3.6	1.9
	36	34	2.3	2.7	3.1	2.9	1.3	33	2.5	3.0	3.4	3.3	1.6
	37	28	2.2	2.6	3.2	3.3	2.2	31	2.8	3.3	4.7	3.9	1.8
	38	27	2.5	3.0	5.4	4.1	2.2	27	2.2	2.6	3.5	3.5	2.2
	39 40	44 34	2.3	3.0 2.9	4.4 3.8	3.3	1.2 2.0	36 38	2.7	3.0 2.8	4.3 3.9	3.9 3.4	1.8 1.5
	41	39	3.0	5.8	9.3	7.8	6.8	27	2.7	3.8	8.2	5.5	4.2
	42	29	2.1	2.5	3.3	3.0	1.4	29	2.5	3.1	5.7	4.1	2.3
	43	26	2.3	2.6	3.7	3.1	1.3	44	2.3	2.7	3.5	3.4	2.3
	44	42	2.3	2.8	3.7	3.3	2.2	32	2.6	3.0	3.9	3.2	0.8
	45 46	35 33	2.2	2.7	3.2 4.1	3.1 3.5	1.5 2.7	29 34	2.7	3.0	3.4	3.3 3.5	1.1
	46	29	1.9	2.8	2.5	2.7	1.5	30	2.5	3.0	4.0	3.5	1.7
	48	30	2.1	2.3	3.1	2.6	0.7	39	2.6	2.9	3.5	3.3	1.6
	49	33	2.2	2.5	3.3	3.1	1.5	36	2.3	2.9	3.6	3.1	1.0
	50	36	2.0	2.1	2.3	2.3	0.7	31	2.4	2.9	3.7	3.4	1.7
	51	28	2.2	2.5	3.2	3.3	3.3	38	2.4	2.9	3.5	3.0	0.8
	52 53	34 21	2.3	2.6	3.4 4.0	3.0 4.2	1.2 4.5	31 24	2.5	2.9 3.0	3.8	3.6 3.8	1.8 2.1
ш	JJ	۷1	۷.۵	۷.1	4.∪	7.2	+.∪	24	2.1	3.0	3.3	5.0	۷. ۱

L	25		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1518 124	1.3	1.4	1.7	1.6 1.4	0.8	1564 141	1.9	2.2	2.7	2.4	1.0
	Feb	123	1.2	1.3	1.5	1.4	0.7	110	1.9	2.3	2.6	2.4	0.6
	Mar	130	1.2	1.3	1.5	1.4	0.3	123	2.0	2.3	2.7	2.6	1.8
	Apr	112	1.2	1.3	1.5	1.6	1.7	115	1.9	2.3	2.6	2.3	0.7
ے	May	121	1.2	1.3	1.5	1.4	0.9	131	1.9	2.3	2.7	2.5	1.1
Month	Jun Jul	131 136	1.3	1.4 1.6	1.7	1.6 1.6	0.9	137 132	1.9	2.3	2.8	2.4	0.7
2	Aug	123	1.4	1.6	1.8	1.8	0.4	135	2.0	2.3	2.7	2.5	1.1
	Sep	128	1.5	1.7	1.9	1.8	0.9	122	1.8	2.1	2.4	2.2	0.6
	Oct	139	1.4	1.6	1.8	1.6	0.3	147	1.7	2.1	2.4	2.2	1.0
	Nov	119	1.3	1.5	1.7	1.7	1.1	127	1.9	2.2	2.7	2.4	0.8
	Dec 1	132 15	1.3	1.4 1.2	1.6	1.5 1.2	0.8	144 18	1.8 2.0	2.2	2.6 2.5	2.4	0.9
	2	33	1.2	1.2	1.4	1.4	0.1	32	1.8	2.3	2.5	2.3	2.4
	3	29	1.2	1.2	1.3	1.2	0.2	29	2.0	2.3	2.8	2.5	0.6
	4	33	1.2	1.4	1.6	1.4	0.3	34	1.9	2.2	2.7	2.4	0.7
	5	21	1.3	1.5	1.7	1.5	0.3	31	1.8	2.0	2.5	2.2	0.6
	6	27 29	1.2	1.3	1.4	1.4 1.5	0.5 1.3	23	2.0 1.9	2.2	2.6 2.6	2.4	0.8
	7 8	36	1.1	1.3	1.4	1.5	0.3	33 26	1.8	2.2	2.6	2.2	0.4
	9	28	1.1	1.2	1.3	1.2	0.3	29	1.9	2.1	2.5	2.2	0.6
	10	31	1.2	1.3	1.5	1.3	0.2	33	2.0	2.2	2.5	2.4	0.7
	11	28	1.2	1.4	1.5	1.4	0.6	33	1.7	2.1	2.8	2.8	2.8
	12	34	1.2	1.3	1.5	1.3	0.2	24	2.1	2.3	2.6	2.5	0.7
	13 14	28	1.3	1.4	1.5	1.4	0.2	19	2.1	2.3	2.8	2.6	1.0
	15	20 30	1.2	1.2	1.4	1.3 2.0	0.2 3.1	31 17	2.1 1.8	2.4	2.8	2.9 2.4	1.9 0.7
	16	25	1.2	1.3	1.5	1.5	0.7	33	1.8	2.1	2.5	2.3	0.7
	17	28	1.3	1.3	1.5	1.4	0.2	28	1.9	2.1	2.6	2.3	0.6
	18	24	1.2	1.3	1.4	1.3	0.2	27	2.0	2.4	2.6	2.5	0.7
	19	29	1.2	1.3	1.3	1.3	0.2	32	1.9	2.2	2.6	2.4	0.9
	20	31 26	1.2	1.3	1.6	1.5 1.2	0.6	35 28	2.0	2.3	2.6	2.4	0.7 1.1
	22	25	1.4	1.5	1.6	1.8	1.7	25	2.0	2.4	3.2	2.9	1.6
	23	34	1.3	1.5	1.7	1.8	1.6	31	2.0	2.3	2.7	2.4	0.6
	24	29	1.3	1.5	1.8	1.6	0.5	30	1.9	2.3	2.6	2.3	0.6
	25	34	1.3	1.4	1.7	1.5	0.3	31	2.0	2.5	2.8	2.5	0.7
충	26	29	1.2	1.4	1.7	1.5	0.4	32	2.1	2.6	2.9	2.6	0.7
Week	27 28	32 32	1.6	1.5 1.7	1.7	1.5 1.7	0.5	39 22	1.7	2.2	2.8	2.3	0.7
	29	29	1.3	1.5	2.0	1.7	0.4	37	1.9	2.4	2.8	2.4	0.5
	30	27	1.4	1.8	1.9	1.7	0.4	25	2.0	2.2	2.6	2.3	0.6
	31	31	1.3	1.5	1.8	2.0	1.3	36	1.9	2.1	2.7	2.3	0.6
	32	29	1.3	1.6	1.7	1.7	0.5	30	2.0	2.1	2.8	2.8	1.9
	33 34	30 24	1.4	1.7 1.6	2.0 1.7	1.8 1.6	0.5	26 26	1.9	2.5	2.9	2.6 2.4	0.7
	35	27	1.4	1.4	1.7	1.6	0.2	31	2.0	2.3	2.5	2.4	0.7
	36	27	1.5	1.7	2.2	1.8	0.4	26	1.9	2.2	2.4	2.4	0.9
	37	26	1.4	1.5	1.7	1.6	0.3	31	1.9	2.2	2.5	2.3	0.6
	38	23	1.4	1.7	2.0	2.1	1.9	25	1.8	2.0	2.3	2.0	0.5
	39	43	1.5	1.7	1.9	1.8	0.5	33	1.8	2.2	2.3	2.2	0.4
	40	30 35	1.5 1.5	1.8 1.7	2.1	1.9 1.8	0.5 0.4	36 28	1.6 2.0	1.9 2.1	2.3	2.0	0.6 1.8
	42	30	1.3	1.5	1.6	1.5	0.4	28	1.7	1.9	2.4	2.1	0.4
	43	26	1.4	1.5	1.6	1.5	0.3	43	1.7	2.0	2.4	2.1	0.5
	44	34	1.4	1.6	1.8	1.6	0.3	28	1.8	2.2	2.6	2.4	0.9
	45	27	1.4	1.6	1.7	1.8	1.1	27	1.9	2.3	2.9	2.5	1.0
	46 47	32 23	1.3	1.5 1.4	1.8	1.6	0.3	32 29	1.8	2.0	2.6	2.3	0.7
	47	29	1.4	1.4	1.6	1.5 2.0	0.3 1.9	36	1.9	2.2	3.1 2.7	2.4	0.7
	49	30	1.3	1.4	1.6	1.5	0.4	31	1.9	2.2	2.5	2.4	0.8
	50	32	1.2	1.3	1.4	1.4	0.6	30	1.9	2.3	2.7	2.6	1.1
	51	26	1.4	1.5	1.6	1.8	1.5	33	2.0	2.3	2.7	2.5	0.8
	52	30	1.3	1.5	1.8	1.6	0.4	28	1.8	2.2	2.5	2.4	0.9
	53	18	1.3	1.5	1.7	1.5	0.2	24	1.7	1.9	2.5	2.1	0.7

L	26		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			ravel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count		ercentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1392	7.6	9.0	12.2	12.3	12.1 6.0	1414	10.5	13.1	18.0	16.4	11.7 5.9
	Jan Feb	128 126	7.1 6.9	8.3 7.8	10.0	10.0 9.3	4.7	137 116	10.7 10.7	12.8 13.1	16.4 17.4	14.4 15.7	7.6
	Mar	136	7.2	8.4	10.8	11.4	13.3	139	10.5	12.4	18.8	15.5	10.3
	Apr	108	7.3	8.3	11.1	13.2	14.4	105	10.5	12.8	16.3	16.2	12.5
_	May	119	7.1	7.9	10.5	9.7	6.0	126	11.4	13.7	18.3	16.8	10.6
Month	Jun	133	7.7	9.1	11.8	13.0	14.4 12.6	127	10.8	14.2	17.4	15.9	10.1
2	Jul Aug	131 111	8.6 8.4	10.6 9.9	14.2 14.4	13.5 14.7	15.4	131	10.1	13.2 13.5	18.6 19.0	16.1 19.0	11.3 15.7
	Sep	71	9.3	11.7	16.1	16.4	13.8	73	10.7	14.1	20.0	21.1	20.5
	Oct	85	8.8	10.4	15.8	17.0	17.4	95	10.1	13.3	19.2	18.1	15.4
	Nov	113	8.3	9.4	12.9	12.1	10.0	112	10.0	12.8	17.0	15.0	9.3
	Dec	131	7.6	9.1	11.3	11.1	9.6	136	10.4	12.7	19.2	16.0	8.4
	2	16 29	6.7 7.2	7.5 8.1	7.9 10.2	8.1 10.0	2.9 4.7	16 30	11.0 10.5	12.6 11.1	20.1 13.3	16.1 12.8	7.0 4.1
	3	35	6.4	7.6	9.6	8.9	4.4	34	11.7	15.0	18.0	15.4	4.5
	4	33	7.7	8.4	10.2	11.1	8.3	30	10.6	13.6	17.6	16.0	8.6
	5	23	7.8	8.6	12.0	11.5	6.0	28	9.5	11.0	14.2	12.0	2.9
	6	24	7.4	8.3	10.1	9.0	2.3	28	11.5	14.9	17.9	17.4	9.3
	7 8	30 41	7.1 7.0	7.8 8.4	9.3	8.6 10.6	2.2 6.9	33 28	11.2 9.4	13.1 11.5	17.4 16.0	16.1 13.6	8.3 6.2
	9	28	6.4	6.9	8.9	8.2	3.1	34	12.0	15.3	19.6	16.3	5.7
	10	36	7.1	8.5	11.4	9.3	3.4	34	10.5	12.3	15.8	14.0	5.3
	11	33	7.6	8.7	11.4	12.6	15.1	40	9.0	11.0	16.3	13.8	6.1
	12	31	6.8	8.3	10.1	9.8	5.0	24	11.4	14.8	22.0	20.9	19.8
	13 14	25 22	7.7 6.5	8.3 7.8	9.6	12.0 12.8	14.8 21.1	24	10.0 11.0	11.2 14.3	14.3 18.0	14.1 16.2	7.3 6.7
	15	24	7.1	8.5	21.7	19.3	20.6	18	10.1	16.3	34.2	27.5	25.2
	16	25	7.3	8.0	12.9	15.5	19.2	26	10.4	12.7	14.3	12.8	3.8
	17	30	7.8	8.5	10.0	9.8	4.0	29	10.0	12.7	14.8	13.2	4.7
	18	26	6.7	7.6	10.0	9.6	5.3	23	11.2	12.4	15.0	13.8	4.3
	19 20	26 32	7.1 7.5	7.5 8.3	8.5 13.2	8.5 11.5	3.0 9.5	32 34	11.5 10.6	13.6 13.4	17.1 19.8	15.1 18.8	5.0 16.5
	21	23	6.5	7.3	11.4	10.2	6.2	26	12.4	16.0	20.0	19.3	10.2
	22	25	7.5	9.4	10.2	9.4	1.9	24	11.4	12.1	17.3	14.5	5.2
	23	33	7.8	8.8	10.7	9.6	2.3	28	9.9	13.5	16.3	14.0	5.1
	24	36	8.1	9.9	11.9	10.7	4.3	32	9.5	12.9	14.6	13.1	4.3
	25 26	32 21	7.4 7.2	9.2 8.7	11.7 9.8	11.2 9.4	6.3 3.4	30 27	12.3 12.4	15.4 15.8	20.1	17.7 19.4	9.5 15.9
Week	27	32	7.6	10.6	19.1	22.3	26.5	32	10.8	12.8	18.7	16.8	12.1
>	28	32	8.8	11.4	14.6	14.9	16.3	25	10.6	13.8	18.3	15.1	6.6
	29	28	8.4	11.5	14.8	12.3	4.8	35	10.1	12.8	17.3	14.6	6.6
	30	31 28	8.8 8.6	10.4	14.0	15.2 12.5	17.6 6.6	27 33	10.0	13.7 12.8	18.7	19.3 14.5	19.1 5.4
	32	28	8.2	9.5	14.2	13.3	9.4	27	11.0	13.1	18.8 17.1	16.0	10.3
	33	27	8.7	11.7	14.8	14.1	13.3	22	14.1	18.2	42.1	29.3	23.4
	34	22	8.8	9.9	13.0	13.6	13.9	24	11.9	13.5	16.8	18.0	13.5
	35	25	8.3	8.9	12.5	18.7	23.6	29	10.1	11.2	14.1	16.5	13.5
	36	17	9.3	13.9	17.2	16.3	10.3	21	11.8	16.6	20.8	27.0	24.7
	37 38	17 7	9.2	11.0 15.5	13.1 16.0	15.2 14.8	16.1 2.5	18 11	10.7 11.6	14.5 14.5	17.5 21.0	19.8 24.9	19.4 27.3
	39	22	9.2	10.8	18.4	18.3	16.5	19	10.7	14.1	22.7	17.7	9.4
	40	16	9.5	11.1	12.8	18.2	16.8	17	8.7	10.5	14.8	11.8	3.9
	41	25	9.2	13.7	16.8	14.2	8.5	24	12.0	16.3	20.9	20.0	14.4
	42	22	8.6	9.7	12.0	15.1	16.1	20	10.1	13.0	24.6	22.2	19.3
	43	14 20	9.0	10.3	14.1 17.2	16.6 19.8	19.7 21.6	28 15	9.8 11.5	12.6 15.8	16.7 20.7	13.5 21.9	5.1 22.7
	45	18	8.6	10.8	15.2	16.7	20.4	15	11.3	14.5	19.0	17.9	10.9
	46	33	8.6	9.3	12.5	11.0	3.8	33	9.4	10.9	15.1	12.3	3.6
	47	26	8.2	9.4	14.3	11.1	4.3	27	10.0	12.4	17.4	16.8	14.9
	48	28	8.5	9.5	12.5	12.3	8.8	33	10.7	12.8	17.1	14.6	5.6
	49	28	8.0	9.2	11.0	10.8	5.0	30	10.2	12.3	18.4	15.4	7.8
	50 51	33 25	7.0 8.0	7.6 9.2	9.3	8.5 15.2	2.5 19.7	30 29	10.2	12.7 15.4	22.5 20.3	16.6 18.1	8.1 11.2
	52	31	7.8	9.4	12.3	10.5	4.0	28	9.9	12.2	18.9	14.9	6.7
	53	18	8.5	10.1	11.5	10.8	3.5	22	10.8	12.6	18.0	14.4	5.3

L	27		Do	wnstrea	m Direc	tion				Upstream	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	+	Std.	Count		Percentil	е	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1490	1.3	1.6 1.5	1.8	1.7 1.6	1.1 0.6	1547 145	1.7	2.0	2.3	2.1	0.9
	Jan Feb	138 136	1.3	1.5	1.7	1.5	0.4	127	1.7	2.0	2.3	2.1	0.5
	Mar	152	1.3	1.5	1.7	1.5	0.3	154	1.7	2.0	2.3	2.0	0.5
	Apr	122	1.3	1.5	1.7	1.7	1.5	120	1.7	2.0	2.3	2.1	1.1
ے	May	130	1.3	1.4	1.7	1.7	1.5	137	1.8	2.2	2.5	2.2	0.5
Month	Jun Jul	142 135	1.4 1.5	1.6 1.7	1.9 2.1	1.8 1.8	1.0 0.4	141 139	1.8 1.6	2.2 1.9	2.5	2.2	0.7
2	Aug	141	1.4	1.6	1.9	1.7	0.5	149	1.7	1.9	2.2	2.0	0.7
	Sep	69	1.6	1.8	2.2	2.5	2.7	77	1.8	2.1	2.6	2.5	2.1
	Oct	69	1.6	1.8	2.2	2.1	1.4	95	1.8	2.1	2.4	2.3	1.5
	Nov	115	1.5	1.7	2.0	2.0	1.8	118	1.6	1.8	2.3	2.0	0.9
	Dec 1	141 14	1.4	1.5 1.4	1.8	1.6 1.4	0.3	145 17	1.7	2.0	2.4	2.1	0.5
	2	32	1.4	1.4	1.9	1.4	0.1	33	1.7	1.8	2.4	2.1	0.4
	3	40	1.2	1.3	1.5	1.4	0.2	36	2.0	2.3	2.5	2.3	0.5
	4	32	1.4	1.6	1.9	1.7	0.4	31	1.7	1.9	2.2	1.9	0.4
	5	25	1.4	1.6	1.9	1.7	0.3	29	1.6	1.7	2.1	1.8	0.3
	6 7	27 33	1.3	1.4 1.4	1.7	1.5 1.5	0.3	28 38	1.8 1.6	2.2 1.9	2.7	2.2 1.9	0.5
	8	44	1.3	1.4	1.7	1.5	0.3	30	1.6	1.8	2.2	1.9	0.4
	9	33	1.2	1.3	1.4	1.3	0.2	39	1.9	2.3	2.7	2.3	0.5
	10	39	1.3	1.4	1.6	1.5	0.3	37	1.7	1.8	2.2	2.0	0.4
	11	33	1.3	1.6	1.7	1.5	0.3	38	1.5	1.8	2.3	1.9	0.5
	12	37	1.3	1.4	1.6	1.5	0.3	31	1.8	2.2	2.5	2.2	0.4
	13 14	32	1.4	1.5 1.4	1.6	1.5 1.4	0.2	31 34	1.7	1.9 2.0	2.2	2.0	0.5
	15	22	1.2	1.4	1.7	1.8	1.3	17	1.7	2.0	3.1	2.6	1.4
	16	25	1.4	1.5	1.7	2.1	2.8	27	1.7	1.9	2.2	1.9	0.4
	17	33	1.4	1.5	1.7	1.6	0.3	33	1.6	1.8	2.2	2.1	1.6
	18	32	1.3	1.3	1.6	1.4	0.3	28	1.8	2.1	2.2	2.0	0.4
	19	27	1.3	1.4	1.6	1.5	0.2	36	1.8	2.1	2.6	2.2	0.5
	20	33 25	1.3	1.5 1.3	1.6 1.5	1.5 2.0	0.3 2.6	31 27	1.8 2.0	2.1	2.5	2.2	0.5
	22	30	1.3	1.6	1.8	1.9	2.0	32	1.9	2.1	2.3	2.1	0.4
	23	33	1.4	1.5	1.7	1.6	0.3	30	1.6	2.0	2.3	1.9	0.4
	24	39	1.5	1.7	1.9	1.8	0.4	35	1.6	1.9	2.5	2.2	0.9
	25	36	1.3	1.5	1.9	1.6	0.4	34	2.1	2.3	2.6	2.4	0.8
충	26	29	1.5	1.7	2.0	2.1	2.0	34	1.8	2.3	2.6	2.2	0.5
Week	27 28	23 36	1.5 1.6	1.7 1.8	1.9	1.7 1.9	0.4	28 27	1.7	2.0	2.4	2.0	0.4
	29	27	1.5	1.7	2.1	1.8	0.4	38	1.6	2.0	2.3	2.1	0.8
	30	36	1.6	1.8	2.2	1.9	0.5	31	1.6	1.9	2.2	2.0	0.8
	31	28	1.5	1.6	1.9	1.7	0.3	36	1.7	1.8	2.0	1.9	0.5
	32	34	1.5	1.6	1.8	1.8	0.9	33	1.7	1.8	2.0	2.0	1.2
	33 34	35 27	1.5	1.7 1.6	2.0 1.8	1.8	0.4	28 31	1.8	2.0 1.9	2.3	2.0	0.5
	35	29	1.4	1.6	1.7	1.6	0.2	40	1.7	1.9	2.1	1.9	0.4
	36	26	1.7	1.9	2.1	2.0	1.1	24	1.7	2.1	2.6	2.2	0.5
	37	17	1.6	1.8	2.2	2.5	2.6	18	1.8	1.9	2.2	2.0	0.3
	38	15	1.7	2.1	2.5	3.7	4.6	18	1.8	2.3	2.9	3.8	4.0
	39 40	10 11	1.8 1.5	1.8 1.6	1.9 2.0	2.2 1.7	1.4 0.4	10 19	1.9 1.6	2.0 1.9	2.5	2.2	0.4
	41	22	1.5	2.0	2.0	2.5	2.4	24	1.0	2.1	2.4	2.1	0.6
	42	19	1.5	1.8	2.0	1.8	0.3	13	1.8	2.2	2.3	3.0	3.6
	43	13	1.7	1.8	2.2	1.9	0.3	35	1.7	2.1	2.3	2.1	0.5
	44	12	1.7	2.1	2.3	2.0	0.4	15	1.7	2.1	2.2	2.1	0.5
	45	13	1.7	1.8	2.2	2.0	0.6	12	1.6	2.3	2.6	2.8	2.4
	46 47	39 26	1.5	1.6 1.6	2.0 1.8	2.4 1.7	2.9 0.4	39 28	1.5 1.6	1.7	2.2	1.9 1.9	0.5
	48	30	1.5	1.7	2.0	1.7	0.4	34	1.6	1.7	2.2	1.9	0.5
	49	28	1.4	1.7	1.8	1.6	0.3	32	1.7	1.9	2.3	2.0	0.6
	50	37	1.3	1.4	1.6	1.4	0.3	30	1.7	2.2	2.5	2.1	0.4
	51	25	1.5	1.6	1.8	1.7	0.3	31	1.7	2.0	2.3	2.0	0.5
	52	33	1.4	1.5	1.9	1.6	0.4	33	1.5	1.8	2.4	2.0	0.5
ш	53	24	1.5	1.7	1.9	1.7	0.4	24	1.9	2.1	2.5	2.2	0.5

L	28		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil			Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1676 130	2.1	2.5	3.2	3.6 2.9	5.4 1.8	1711 139	2.4	2.9	3.6 3.5	3.8	5.4 1.6
	Feb	139	2.0	2.3	2.7	2.6	1.2	132	2.5	2.9	3.4	3.1	0.9
	Mar	160	2.2	2.7	4.0	4.9	7.7	158	2.5	3.1	4.6	4.2	2.8
	Apr	149	2.0	2.4	3.3	3.7	6.4	151	2.4	2.9	3.5	3.9	5.6
ŧ	May Jun	143 160	1.9 2.1	2.3	2.7 3.1	2.7	1.5 1.2	150 159	2.5	2.9	3.5 3.5	3.8	4.8 1.2
Month	Jul	149	2.1	2.6	2.9	3.0	2.7	148	2.5	2.9	3.4	3.3	2.7
_	Aug	166	2.2	2.5	3.1	2.8	0.9	169	2.5	2.9	3.8	3.3	1.3
	Sep	117	2.3	2.9	6.3	7.6	12.4	118	2.6	3.1	4.1	7.2	13.5
	Oct	111	2.3	2.7	3.2	5.0 2.9	9.1	105 127	2.4	2.9	3.4 3.5	4.2	5.9 9.2
	Dec	142	2.2	2.3	2.9	3.0	2.1	155	2.4	2.8	3.3	3.1	1.2
	1	15	1.9	2.1	2.2	2.1	0.3	17	2.3	2.4	2.8	2.5	0.3
	2	30	2.0	2.3	2.7	3.2	2.6	36	2.3	2.8	3.5	3.6	2.8
	3	35	2.0	2.3	2.8	2.5	0.8	32	2.5	3.0	3.6	3.2	0.8
	4 5	30 24	2.2	2.5 3.5	3.2 4.2	3.0	2.0 1.3	26 29	2.7	3.0 2.6	3.8 3.9	3.3 3.1	1.1
	6	25	2.3	2.6	3.4	3.1	1.3	28	2.4	3.0	3.2	3.1	0.9
	7	33	2.0	2.4	2.8	2.8	1.5	35	2.5	2.7	3.3	3.0	0.8
	8	46	1.9	2.2	2.6	2.3	0.6	34	2.5	2.8	3.1	3.0	0.9
	9	37 35	1.9 2.4	2.2 3.2	2.5 10.9	2.4 6.5	1.3 4.9	38 34	2.5	3.0 6.4	3.6 9.6	3.1 7.0	1.0 4.2
	11	38	2.4	2.7	4.6	3.8	2.2	44	2.6	3.5	4.5	3.8	1.6
	12	37	2.4	2.9	3.4	7.1	14.3	27	2.5	2.8	3.3	3.1	1.0
	13	37	2.2	2.5	3.3	3.2	3.1	38	2.4	2.8	3.5	3.4	2.1
	14	36	2.0	2.2	2.9	2.8	1.7	40	2.3	2.9	3.3	2.9	0.7
	15 16	27 39	2.0	2.3	2.7 4.8	4.4 5.4	9.9 8.8	28 34	2.4	3.0 2.6	3.7	3.6 6.4	3.1 10.9
	17	33	2.0	2.3	3.1	2.6	0.9	37	2.4	3.1	3.5	3.1	0.7
	18	39	1.8	2.3	2.7	2.3	0.7	34	2.4	2.9	3.2	3.0	1.0
	19	29	1.9	2.3	2.8	2.8	2.1	37	2.5	2.8	3.3	3.8	2.9
	20	32	2.0 1.9	2.5	3.1 2.3	2.7	1.1	29 31	2.6	3.0	3.8	3.3 4.0	1.1 4.7
	22	34	2.0	2.3	3.7	3.0	1.6	42	2.4	2.7	3.2	4.2	7.5
	23	38	2.0	2.3	2.8	2.5	1.0	34	2.4	3.0	3.5	3.2	1.2
	24	43	2.2	2.5	3.2	2.9	1.1	41	2.6	3.2	3.8	3.4	1.4
	25 26	39 33	2.1	2.5 2.5	3.4 2.9	3.1 2.6	1.7 0.7	37 37	2.5	2.9	3.3	3.2	1.1
Week	27	34	2.3	2.7	3.2	3.2	2.9	38	2.4	2.8	3.4	3.8	4.9
>	28	40	2.2	2.5	2.8	2.6	0.6	29	2.3	2.9	3.5	2.9	0.8
	29	27	2.0	2.7	2.9	2.6	0.7	34	2.6	3.2	3.6	3.3	1.1
	30	38 28	2.2 1.9	2.8	3.8 2.7	3.9 2.5	4.3 0.9	35 38	2.6	2.9	3.4	3.3	1.2
	32	40	2.0	2.3	3.1	2.7	1.0	37	2.5	2.8	4.3	3.4	1.9
	33	42	2.3	2.5	3.0	2.8	1.0	30	2.5	2.9	3.4	3.0	0.8
	34	32	2.3	2.8	3.3	2.8	0.5	35	2.7	3.0	4.0	3.3	1.0
	35	34	2.2	2.5	2.8	2.6	0.7	46	2.4	2.8	3.3	2.9	0.8
	36 37	34	2.6	3.1 2.8	5.3 7.6	5.5 8.4	5.5 13.4	28 29	2.4	2.9	3.6 3.5	6.7 4.6	13.4 6.3
	38	22	1.9	2.8	3.7	6.8	13.8	29	2.7	3.5	4.7	7.6	14.2
	39	27	2.5	3.6	7.1	9.6	15.3	25	2.7	3.8	7.8	9.8	16.5
	40	21	2.3	2.7	2.8	5.9	8.7	21	2.3	2.7	3.3	8.3	14.8
	41 42	33 28	2.4	2.8	3.5 2.8	3.6 4.3	2.9 6.4	26 21	2.8	3.2 2.6	4.4 3.3	3.6 3.5	1.3 2.7
	43	17	2.5	2.7	3.0	5.8	12.6	34	2.3	2.8	3.2	3.6	4.5
	44	24	2.4	2.7	3.2	6.6	13.2	17	2.7	2.9	3.2	5.5	7.1
	45	21	2.1	2.5	2.6	3.5	4.8	24	2.6	3.1	4.1	10.5	19.6
	46 47	29 25	2.0	2.3	3.0	2.7	1.0	34	2.4	3.0	3.5	3.2	1.0
	47	30	2.3	2.7	2.9 3.1	2.8	0.7	28 30	2.3	2.9	3.2	2.9	0.9
	49	31	2.2	2.6	3.4	3.5	2.3	37	2.4	2.9	3.4	3.4	1.9
	50	36	1.8	2.1	2.3	2.3	0.7	34	2.7	3.1	3.5	3.2	0.7
	51	26	2.1	2.4	2.8	3.3	3.3	35	2.4	2.7	3.3	3.0	1.1
	52 53	33 20	2.3	2.6	3.2 2.7	3.3 2.4	2.1 0.4	34 24	2.3	2.8	3.8	3.0 2.8	1.0 0.5
ш	JJ	20	۷.۷	2.4	۷.۱	۷.4	U. <del>4</del>	24	2.4	۷.1	J. I	2.0	0.5

L	29		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	r)
me	Time I	Count	F	Percentil	e		Std.	Count		Percentil		1	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1761 131	2.3	2.8	4.3 4.5	4.1	3.4 4.4	1798 141	3.2	3.8 4.0	4.8 5.8	4.5 5.0	2.1
	Feb	140	2.2	2.5	4.3	4.3	4.4	134	3.4	3.9	4.9	4.6	2.3
	Mar	166	2.2	2.5	3.4	3.7	2.7	165	3.2	3.8	4.8	4.5	2.3
	Apr	158	2.1	2.4	3.3	4.0	3.8	162	3.3	3.9	4.5	4.3	1.6
ч	May	142	2.1	2.5	4.1	4.0	3.4	152	3.5	3.9	4.9	4.4	1.6
Month	Jun Jul	163 151	2.3	2.8 3.1	4.5 4.4	3.9 4.1	2.5 2.8	160 150	3.4	4.1	4.9 4.8	4.5 4.4	1.9
2	Aug	167	2.4	2.8	4.4	4.1	3.3	169	3.2	3.8	4.8	4.4	2.6
	Sep	147	2.6	2.9	3.6	3.9	2.6	144	3.1	3.5	4.5	4.3	2.6
	Oct	135	2.6	2.9	4.4	4.3	3.4	134	3.2	3.6	4.5	4.0	1.4
	Nov	121	2.5	2.9	5.5	4.7	3.8	133	3.2	3.8	5.1	4.4	2.2
	Dec 1	140 15	2.4	2.8	5.3 11.3	4.1 7.4	2.9	154 18	3.3	3.8	4.9	4.5	2.4
	2	30	2.1	2.4	4.8	4.1	7.7 3.3	35	3.6	4.1	8.1 5.7	6.5 4.9	4.5 2.2
	3	33	2.0	2.5	6.9	4.6	4.0	31	3.6	3.9	6.0	5.0	2.0
	4	34	2.2	2.6	3.6	3.5	2.9	28	3.6	4.2	5.4	4.8	2.0
	5	24	2.4	2.7	3.7	4.1	3.5	29	3.2	3.8	4.9	4.4	1.8
	6	24 34	2.0	2.7	5.0	5.1 4.4	6.1	31 33	3.5	4.0	5.2 4.6	5.3 4.2	3.5
	7 8	46	2.3	2.7	5.7 3.9	4.4	3.3 4.9	33	3.2	3.8	4.6	4.2	1.4 2.2
	9	37	1.9	2.3	2.8	3.4	2.8	39	3.7	4.0	5.0	4.4	1.4
	10	36	2.1	2.5	3.4	3.5	2.2	36	3.1	3.7	5.0	4.8	3.3
	11	40	2.2	2.6	4.8	4.0	3.0	48	2.9	3.8	5.8	4.7	2.5
	12	36	2.2	2.4	3.1	3.0	1.6	28	3.2	3.9	4.8	4.3	1.6
	13 14	40 37	2.3	2.6	4.6 4.8	4.2	3.1 3.5	39 39	3.3	3.6 3.8	4.8	4.2	1.4
	15	32	2.0	2.3	2.8	4.1	4.5	34	3.2	3.8	4.4	4.3	1.7
	16	42	2.2	2.3	2.8	3.9	3.6	40	3.3	3.8	4.5	4.2	1.7
	17	34	2.4	2.7	3.9	4.5	4.0	37	3.2	3.8	4.3	4.0	1.1
	18	37	2.0	2.3	2.7	3.0	2.5	34	3.6	4.0	4.6	4.4	1.5
	19	30	2.2	2.4	2.8	3.8	3.3	36	3.4	3.8	4.5	4.0	0.9
	20	32	2.1	2.5	4.4 6.1	3.8	2.9	31 35	3.4	3.9 4.2	4.8 5.3	4.6 4.6	1.2
	22	34	2.4	2.9	6.4	5.2	4.3	38	3.4	4.2	4.9	4.5	1.9
	23	39	2.3	2.6	3.5	3.3	1.8	35	3.3	4.0	4.7	4.5	2.2
	24	40	2.5	3.0	4.8	3.9	2.3	41	3.4	4.0	4.8	4.3	1.4
	25	42	2.4	3.0	4.9	4.1	2.5	37	3.8	4.4	4.9	4.7	1.5
충	26 27	35 33	2.3	2.7	5.1 4.1	4.3 3.7	3.3 2.5	37 39	3.8	4.3	5.2	4.9 4.7	2.4
Week	28	39	2.3	3.4	4.1	4.0	2.0	29	3.3	3.8	5.3 4.4	4.7	2.0 1.9
	29	27	2.5	3.0	3.8	3.6	1.7	33	3.4	4.1	4.7	4.4	1.8
	30	43	2.6	3.2	5.2	4.6	3.4	36	3.2	3.8	4.3	4.0	1.3
	31	27	2.3	2.7	3.2	4.0	3.0	41	3.4	4.0	5.2	4.8	2.4
	32	42	2.4	3.0	6.6	4.7	3.2	34	3.2	3.8	5.1	4.6	2.3
	33 34	41 32	2.4	3.0 2.8	4.1 4.6	3.6 4.5	1.6 3.7	31 34	3.5	3.9 4.2	4.7 6.1	4.2 5.7	1.1 4.2
	35	34	2.4	2.7	3.4	4.3	4.8	46	3.1	3.6	4.2	3.8	1.0
	36	36	2.6	2.8	3.4	3.8	2.4	32	3.2	4.0	5.1	4.8	3.0
	37	33	2.5	2.8	3.1	3.7	2.3	36	3.2	3.5	4.3	4.3	1.9
	38	34	2.4	3.1	4.3	4.2	3.4	37	3.0	3.5	4.2	4.2	2.1
	39 40	35 32	2.8	3.1	3.6 3.9	3.6 4.0	2.0	30 31	3.2	3.5 3.2	4.4 3.8	4.5 3.7	3.4 1.4
	41	37	2.5	2.8	4.3	4.0	2.8	28	3.4	3.7	4.7	4.1	1.4
	42	32	2.5	2.8	3.5	3.4	1.6	28	3.2	3.5	4.2	3.9	1.1
	43	21	2.7	3.0	6.8	5.2	4.1	42	3.0	3.6	4.7	4.0	1.4
	44	32	2.7	3.2	7.0	5.3	4.4	23	3.1	3.7	4.6	4.2	1.6
	45	32	2.6	3.0	6.0	4.8	3.5	28	3.2	3.6	4.4	4.1	1.6
	46 47	31 23	2.6	2.9 2.9	5.7 6.0	4.5 5.6	2.9 5.9	35 27	3.0	3.8	5.7 5.1	4.8 4.1	2.2 1.3
	48	29	2.5	3.1	5.5	4.1	2.3	33	3.5	3.8	4.6	4.8	3.1
	49	30	2.4	2.7	3.2	3.3	1.8	36	3.3	3.8	4.7	4.1	1.6
	50	36	2.2	2.8	5.5	4.1	2.6	34	3.1	3.8	4.8	4.1	1.2
	51	25	2.4	2.8	7.2	5.3	4.6	34	3.3	3.8	4.5	4.2	1.9
	52 53	32 20	2.5	2.9	5.6 3.3	4.3 3.0	2.8 1.0	33 24	3.2	3.8 4.5	4.5 5.9	5.2 5.0	3.8 1.9
	JJ	20	۷.۷	۷.٥	5.5	J.U	1.0	24	٥.٥	4.5	5.9	5.0	1.3

L	30		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		-	Travel Ti	me Estim	ate (houi	.)
me l	Time F	Count	F	Percentil	е	•	Std.	Count	- 1	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1825	2.4	2.8	3.6	3.5	2.4 3.3	1855	3.8	4.7	6.3	5.6	3.1
	Jan Feb	141 149	2.2	2.7	3.5	3.7 3.6	2.6	154 144	3.9	5.1 4.8	6.8 6.8	6.2 6.1	3.6
	Mar	178	2.3	2.6	3.1	3.2	1.9	174	3.6	4.5	5.9	5.6	3.4
	Apr	163	2.2	2.4	3.1	3.3	2.6	166	3.8	4.6	6.4	5.6	2.9
ч	May	140	2.2	2.5	3.2	3.3	2.1	148	4.2	5.2	6.6	6.0	3.2
Month	Jun Jul	161 153	2.5	2.8 3.1	3.3	3.3	1.7 1.9	161 151	4.0 3.6	4.8 4.5	6.2 5.8	5.5 5.2	2.6
2	Aug	168	2.6	2.9	3.5	3.3	1.5	169	3.6	4.3	6.0	5.1	2.3
	Sep	148	2.8	3.2	3.9	3.7	1.7	144	3.4	4.3	6.2	5.3	2.7
	Oct	138	2.7	3.1	3.8	3.6	1.5	137	3.7	4.6	5.7	5.4	3.1
	Nov	138	2.7	3.1	3.9	4.1	2.9	140	3.6	4.4	6.2	5.1	2.2
	Dec 1	148 18	2.5	2.9	4.3 2.8	4.1 2.8	3.4 1.3	167 19	3.8 5.4	4.7 6.9	6.2 10.3	5.8 8.5	3.8 4.8
	2	31	2.4	2.8	6.4	4.9	4.8	38	3.7	4.7	5.8	5.1	2.1
	3	35	2.1	2.3	3.0	3.0	2.2	34	4.1	5.3	6.4	5.7	1.9
	4	40	2.3	2.7	3.2	3.6	2.9	34	4.3	5.3	7.0	6.7	4.2
	5	25	2.7	3.7	5.4	4.6	2.9	32	3.3	4.4	6.4	5.8	3.6
	6	26	2.2	2.7	4.9	3.8	2.1	31	3.7	5.2	6.5	6.5	4.4
	7 8	34 50	2.4	2.7	4.1 3.5	3.8	2.6 3.3	37 36	3.5	4.5 4.5	6.3 6.4	6.0 5.7	3.8
	9	37	1.9	2.2	2.5	2.7	1.7	42	4.4	5.6	7.1	6.4	2.8
	10	36	2.3	2.6	2.9	2.8	1.0	36	3.5	4.2	6.2	5.9	4.7
	11	40	2.4	2.8	3.4	3.6	2.3	48	3.6	4.7	7.5	5.8	3.2
	12	44	2.3	2.6	3.2	3.4	2.1	34	3.6	4.5	5.6	5.8	3.5
	13 14	40 40	2.3	2.5	2.8	2.8	1.4	42	3.7	4.4	5.4	4.8	1.8
	15	34	2.2	2.4	3.8	3.2 3.1	1.7 1.9	41 35	3.9	4.9 4.7	6.9 6.4	6.1 5.5	3.5
	16	43	2.3	2.4	2.8	3.8	4.4	40	3.8	4.5	6.0	5.3	2.3
	17	36	2.5	2.8	3.6	3.2	1.2	37	3.5	4.4	6.0	5.5	2.9
	18	37	2.1	2.4	2.9	3.3	3.0	32	3.9	4.9	5.6	5.6	2.8
	19	29	2.3	2.5	3.0	2.9	1.1	35	4.0	5.2	6.3	5.6	2.4
	20	32 29	2.3	2.6	3.4 4.9	3.2	1.6 2.2	33 35	4.2	5.0 5.3	7.2 7.1	5.9 6.4	2.6 3.3
	22	35	2.4	2.8	3.2	3.0	1.0	35	4.0	5.2	6.4	6.3	4.4
	23	41	2.5	2.9	3.3	3.3	1.4	37	3.8	4.4	5.2	4.6	1.2
	24	38	2.7	3.0	3.6	3.6	2.3	41	3.9	4.6	6.2	5.2	2.1
	25	40	2.3	2.7	3.1	2.9	0.9	39	4.1	5.2	6.3	5.6	2.3
충	26 27	33 35	2.6	2.8	3.7	3.6	2.0 0.9	35 38	4.6	5.2	8.3	6.9	3.7 2.7
Week	28	38	2.5	3.3	3.9	3.9	1.9	30	4.0	5.1 4.7	6.7 6.0	5.8 5.4	2.6
	29	28	2.6	2.9	3.5	3.1	0.7	33	3.5	4.3	5.6	5.3	2.7
	30	44	2.8	3.1	4.1	4.2	2.9	34	3.3	4.6	5.7	5.0	2.6
	31	29	2.6	3.2	3.3	3.2	0.8	43	3.3	4.2	5.2	4.4	1.3
	32	42	2.6	3.0	3.7	3.4	1.4	34	3.6	4.4	5.6	5.4	3.2
	33 34	41 33	2.7	2.9	3.7	3.4	1.1	34 32	4.2 3.5	5.1 4.3	6.7 7.0	5.5 5.4	1.9 2.4
	35	34	2.4	2.8	3.4	3.0	1.0	45	3.4	3.9	5.5	4.7	2.0
	36	36	2.7	3.0	3.8	4.1	2.7	34	3.7	4.7	6.5	5.4	2.4
	37	34	2.6	3.0	3.6	3.3	1.2	35	3.3	3.9	5.8	5.0	2.6
	38	35	2.6	3.1	3.6	3.2	1.0	37	3.5	4.3	6.4	5.4	2.8
	39 40	32 33	2.9 3.2	3.2	4.2	3.8 4.2	1.5 1.6	30 30	3.5 3.2	4.3 4.5	5.6 6.0	5.2 5.1	2.6
	41	38	2.7	3.0	3.8	3.7	2.0	29	4.2	5.2	6.4	6.0	2.5
	42	36	2.7	3.1	4.2	3.5	1.2	31	3.9	4.7	6.8	5.4	2.4
	43	21	2.8	3.0	3.2	3.2	0.8	37	3.5	4.1	4.9	4.6	2.4
	44	33	2.8	3.3	4.6	4.3	2.9	28	3.6	4.8	6.2	6.0	4.7
	45 46	36	2.7	3.1	4.0	4.1	2.6	30	3.8	4.3	6.5	5.3	2.2
	46 47	30 29	2.6	3.0	4.8	4.8 3.8	4.3 1.9	34 30	3.2	4.1 5.3	5.2 6.5	4.5 5.5	1.6
	48	31	2.7	3.0	3.6	3.2	0.7	38	3.8	4.2	5.7	5.2	2.8
	49	32	2.5	3.0	5.4	4.2	2.6	34	3.6	4.6	5.7	5.3	2.5
	50	37	2.2	2.6	3.5	3.7	2.8	39	3.8	4.4	7.6	6.7	4.9
	51	28	2.8	3.1	4.6	4.8	5.1	36	3.8	4.4	5.9	4.9	1.7
	52 53	36 21	2.6	2.9	4.3 3.2	4.3 3.1	3.4 1.0	38 24	3.8	4.7 5.3	6.7 5.6	5.7 6.1	3.0 5.7
ш	JJ	۷1	۷.4	۷.3	J.Z	J. I	1.0	24	٥.٥	5.5	5.0	0.1	J. 1

L	31		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	f	Std.	Count	ı	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1174 86	2.7	3.7 4.2	7.7 9.2	5.9 6.9	4.9 6.2	1236 100	3.8 4.3	4.7 5.6	6.2 8.3	5.7 6.9	3.5 4.4
	Feb	94	2.5	3.7	10.2	6.9	6.0	102	3.8	4.8	6.8	6.1	3.7
	Mar	89	2.5	3.1	7.4	5.6	5.0	92	3.6	4.7	7.4	6.2	4.1
	Apr	92	2.3	2.8	7.2	5.4	5.3	89	3.9	4.5	6.4	5.8	4.1
‡	May Jun	84 114	2.4	3.4 3.5	7.9 5.7	5.7 5.4	4.3 5.3	100 125	4.2 3.9	5.1 4.6	7.0 5.7	6.2 5.4	3.5
Month	Jul	104	2.9	3.8	6.9	5.6	4.1	100	3.8	4.6	5.4	4.9	2.6
	Aug	128	2.9	3.7	7.0	5.7	4.5	138	3.6	4.5	5.8	5.2	2.7
	Sep	90	3.1	3.9	7.9	6.0	4.3	91	3.5	4.2	5.1	4.8	2.4
	Oct Nov	107 80	2.9 3.0	3.8 4.0	7.3 7.4	5.4 6.1	4.1 4.9	102 81	3.4	4.3	5.2 5.9	4.8 5.9	2.3 4.4
	Dec	106	2.8	4.0	10.5	6.7	4.9	116	4.1	5.2	7.4	6.2	3.2
	1	15	2.6	5.5	7.5	5.4	2.6	20	4.5	5.7	7.5	6.6	3.2
	2	28	2.5	3.3	8.8	6.3	5.6	32	4.0	4.6	6.9	6.5	4.6
	3	24	2.7	5.5	9.7	7.8	7.0	28	4.7	5.5	7.0	6.6	2.8
	4 5	13 10	2.3	2.8 4.8	10.4 15.4	6.6 9.3	6.2 8.0	13 10	5.2 4.2	5.7 6.3	6.3 9.4	8.3 6.8	7.2 3.1
	6	26	2.7	6.3	12.1	8.2	6.3	32	3.8	4.8	6.7	6.9	5.0
	7	21	2.7	4.9	8.8	7.0	5.6	26	3.8	4.3	5.9	5.3	2.9
	8	26	2.4	3.0	6.3	5.5	5.3	24	3.6	4.6	6.4	5.3	2.2
	9	21 31	2.3	6.3 2.8	12.5 7.4	7.7 5.2	6.0 4.5	20 31	4.8 3.5	5.8 4.8	8.0 8.2	6.9 6.7	2.9 4.8
	11	14	2.8	3.5	4.8	4.2	2.2	15	3.5	5.0	8.1	6.8	4.9
	12	19	2.5	2.8	8.0	5.3	4.0	20	3.9	4.5	5.3	5.4	2.3
	13	19	2.5	3.0	5.7	6.1	6.4	21	3.4	4.2	6.2	5.9	4.0
	14 15	14	2.4	2.7	6.4	6.8 5.4	7.4	19	3.7 4.7	4.6	6.3	6.0	3.4
	16	24	2.0	2.3	6.6 7.8	5.7	6.0	21	3.1	5.8 4.4	7.3 5.6	6.9 4.8	4.1 1.9
	17	21	2.8	3.3	5.6	4.7	2.9	16	3.9	4.3	4.6	6.0	6.9
	18	19	2.6	4.1	7.8	5.7	3.8	20	3.9	4.3	5.9	5.4	2.4
	19	16	2.6	3.3	7.9	5.8	4.3	19	4.0	4.5	6.5	5.6	2.7
	20	24 15	2.4	2.9 7.3	6.0 12.0	5.2 7.7	4.0 4.8	30 23	3.8 4.6	4.6 5.5	5.3 7.9	5.3 7.5	2.2 4.2
	22	23	2.5	3.3	5.5	5.1	3.8	23	4.2	5.6	7.0	6.7	4.1
	23	19	3.0	4.0	7.5	6.5	6.8	20	3.9	4.3	4.9	4.4	0.9
	24	34	2.9	3.8	5.1	5.4	5.7	32	3.8	4.5	5.8	4.8	1.5
	25 26	29 27	2.7	3.1	3.8 7.7	3.9 5.7	2.7 4.4	32 32	4.2	4.5 4.8	6.1 7.0	5.7 6.7	2.9 5.4
Week	27	22	2.7	3.7	8.1	6.4	6.0	30	3.5	4.6	5.5	4.9	1.9
>	28	24	3.0	4.0	7.3	5.8	4.5	15	4.0	4.4	5.0	4.8	1.5
	29	20	3.1	4.4	6.1	5.3	2.8	20	3.9	4.4	5.1	4.6	1.0
	30	33 18	3.0 2.7	3.8	7.4 4.4	5.6 5.2	3.6 4.6	26 30	3.6	4.8	5.9 5.1	4.7 5.5	1.7 4.3
	32	31	2.8	3.8	9.1	6.7	5.3	23	3.8	4.9	6.6	5.3	2.1
	33	27	2.8	3.4	4.7	4.7	3.9	26	4.2	4.9	6.1	5.6	2.9
	34	32	3.0	3.6	8.4	6.2	5.3	31	3.6	4.6	6.1	5.7	3.9
	35 36	28 27	3.1	4.7 5.5	5.7 10.9	5.0 7.4	2.6 5.5	40 34	3.1	3.8	5.0 5.0	4.3 4.4	1.4
	37	19	3.2	3.7	5.4	4.9	2.8	14	3.3	4.5	5.2	5.4	4.0
	38	25	3.0	4.7	9.0	5.9	3.2	21	4.1	4.2	5.0	4.7	1.1
	39	17	2.9	3.4	4.5	5.1	3.8	19	3.5	4.1	6.2	5.3	2.9
	40	11 30	3.7	4.3 3.8	12.0 6.8	7.5 4.7	5.3 2.5	14 25	3.4	4.1	5.0 5.2	4.5 4.5	1.6
	42	31	2.9	3.2	4.6	4.7	3.3	28	3.4	4.3	5.1	4.5	1.1
	43	19	2.9	4.0	7.8	5.5	3.0	33	3.5	4.1	5.1	5.2	3.6
	44	22	2.8	3.7	9.1	6.4	6.1	13	4.7	5.5	6.2	5.5	1.5
	45 46	25 11	3.0	3.4 4.1	6.8	5.2	4.0 4.4	16 11	3.1	4.5	5.9	6.4	6.9
	46	23	3.3 2.8	4.1 3.5	6.8 8.6	6.3 5.7	4.4	26	3.9	5.3 4.7	6.4 6.7	6.1 6.4	3.4 4.4
	48	17	4.0	6.8	8.3	7.9	6.6	24	3.9	4.7	5.8	5.4	2.5
	49	29	3.1	4.7	11.3	7.3	5.3	26	3.4	4.7	6.0	5.6	3.6
	50	27	2.7	3.4	10.9	7.3	5.4	30	4.3	5.3	7.5	6.6	3.6
	51 52	25 20	3.1	5.8	9.9 5.8	6.8	4.4 4.4	24 26	4.0	5.5	7.9	6.4	3.3
	53	7	2.7 4.1	3.1 4.8	5.8 7.1	5.4 5.8	2.2	12	4.3	5.6 5.2	7.7 5.7	6.3 5.2	2.6 1.1
	JJ	'	7.1	7.0	7.1	0.0	۷.۷	14	7.0	J.Z	0.1	J.Z	1.1

L	32		Do	wnstrea	m Direc	tion				Upstrear	n Directi	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	е	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1563	3.3	3.8	4.8	5.5	6.4 7.6	1564	4.5	5.3	6.3	6.3	5.0
	Jan Feb	113 138	3.2	3.7 3.4	4.4 4.1	5.8 4.9	6.4	120 135	4.8	5.5 5.5	6.9 6.8	6.9 6.9	5.2
	Mar	121	3.3	3.7	4.1	4.7	5.4	122	4.3	5.2	6.3	6.6	6.7
	Apr	115	3.0	3.3	4.2	5.8	8.1	103	4.5	5.5	6.2	7.0	6.3
ے	May	117	3.1	3.4	3.8	4.8	6.0	131	4.9	5.4	6.5	6.7	5.8
Month	Jun	150	3.6	4.0	4.9	5.3	5.4	147	4.7	5.3	6.1	5.7	2.1 5.6
2	Jul Aug	144 156	3.7	4.3	5.4 5.0	5.1 5.3	3.3 5.3	135 170	4.6	5.4 5.0	6.4 6.1	6.6 6.0	4.1
	Sep	126	3.8	4.2	5.5	6.1	6.3	119	4.2	5.0	6.1	5.9	4.2
	Oct	126	3.7	4.1	5.2	6.1	7.2	110	4.3	4.8	6.2	6.2	5.1
	Nov	115	3.8	4.2	5.3	7.3	9.3	122	4.4	5.2	6.1	6.4	5.5
	Dec 1	142 16	3.4	3.9	4.6	4.9	4.8	150 24	4.6 5.2	5.3	6.2 7.1	5.5	1.6
	2	37	3.3	3.5 3.8	3.9 4.4	4.9 5.8	4.9 7.4	36	4.2	5.7 5.2	5.8	6.5 5.5	2.7 1.7
	3	26	2.9	3.4	3.8	4.2	4.2	31	5.5	6.0	7.4	8.2	6.8
	4	24	3.3	3.9	4.6	6.3	7.7	16	5.0	5.5	6.4	6.1	2.7
	5	17	3.7	4.0	4.4	8.0	11.1	19	4.4	5.2	6.8	8.5	8.5
	6 7	33 33	3.0	3.2	3.9 4.3	4.4	5.3 1.4	39 34	4.9 4.4	5.5 5.2	6.4	5.7 6.5	1.2 5.6
	8	33	3.2	3.4	4.3	5.5	6.9	34	4.4	5.2	6.1 6.1	8.2	9.4
	9	31	2.7	3.0	3.7	5.8	9.3	26	5.4	6.3	7.6	7.6	4.5
	10	39	3.0	3.4	3.8	4.0	2.5	37	4.3	4.8	6.0	5.2	1.5
	11	17	3.5	3.8	4.0	6.1	10.1	26	4.3	5.3	6.1	8.4	11.1
	12 13	28 29	3.4	3.8	4.2 4.1	5.7 4.3	6.6 2.7	23 26	4.8	5.7 5.5	6.9 6.8	6.6 7.0	4.2 7.3
	14	22	2.8	3.1	3.5	3.3	1.3	28	4.5	5.5	5.8	5.7	2.0
	15	25	2.7	3.2	3.5	6.1	8.3	24	5.1	6.2	7.5	7.3	4.6
	16	29	3.3	3.6	4.7	8.7	12.2	19	3.8	4.8	5.7	7.9	9.5
	17	30	3.2	3.7	4.3	5.4	5.7	21	4.8	5.2	5.9	7.9	9.0
	18 19	18 31	3.0	3.2	3.6	3.4 4.8	0.6 6.9	22 28	4.5 4.7	5.5 5.1	6.6 5.6	5.8 5.8	1.7 3.7
	20	33	3.1	3.5	3.8	4.3	4.2	39	4.7	5.3	6.4	6.4	5.0
	21	23	3.0	3.2	3.5	5.8	8.5	31	5.4	5.8	7.0	7.7	6.9
	22	24	3.3	3.7	4.6	4.9	4.0	28	5.0	5.7	6.3	6.9	7.3
	23	32	3.6	3.9	4.9	7.0	8.5	28	4.4	5.2	6.0	5.9	2.7
	24 25	38 39	3.6 3.4	3.9 3.8	4.9 4.9	4.4 5.0	1.3 5.3	40 37	4.7	5.3 5.5	6.2	5.4 5.7	1.1 1.5
l., l	26	32	3.5	4.0	5.3	5.2	5.0	34	4.9	5.4	5.9	5.9	2.9
Week	27	34	3.7	4.1	4.4	4.9	4.6	31	5.0	6.1	6.8	8.7	9.5
>	28	31	3.9	4.6	5.9	5.3	3.5	25	4.5	5.1	5.7	5.2	1.1
	29	29	3.7	4.8	5.4	4.7	1.0	28	5.0	5.5	6.9	6.3	2.6
	30	40 31	3.9	4.6 4.6	5.4	4.9 6.0	1.5 4.6	33 39	4.5	5.5 5.1	7.3 6.2	6.8 5.4	5.5 1.8
	32	38	3.5	4.0	4.9	4.4	1.2	34	4.4	5.0	6.3	7.7	7.6
	33	28	3.5	3.8	5.5	5.9	6.8	28	4.3	5.3	6.6	5.6	1.6
	34	37	3.7	4.0	4.9	5.3	5.8	41	4.2	5.0	6.1	5.9	3.3
	35	33	3.6	4.0	5.3	5.2	4.5	47	4.1	4.9	5.6	5.4	2.3
	36 37	38 26	3.5 3.5	4.0 4.2	5.2 5.0	6.3 5.0	7.1 3.3	36 24	4.3 3.9	4.8 4.4	6.1 5.3	5.5 4.9	2.2 1.3
	38	33	3.8	4.2	5.6	6.4	6.8	33	4.5	5.0	5.9	5.7	2.3
	39	24	3.8	4.0	5.8	7.0	8.8	20	4.1	5.3	7.5	8.0	8.8
	40	22	4.0	5.2	6.1	5.4	1.9	18	3.6	4.5	6.0	5.1	1.8
	41	35	3.5	4.1	5.1	5.0	4.7	30	4.4	4.7	6.1	6.7	6.9
	42 43	35 27	3.9	4.6 4.0	6.1 4.7	7.7 5.6	8.9 7.2	27 36	4.5 4.1	5.2 5.0	6.5 6.0	6.4 5.8	5.0 3.1
	44	24	3.8	4.0	5.3	6.9	8.9	15	4.1	4.7	7.2	7.2	5.3
	45	31	3.6	3.9	5.8	6.5	6.1	25	4.2	5.5	6.5	7.8	7.6
	46	20	3.8	4.2	4.9	6.5	9.1	25	4.1	5.0	5.6	7.6	8.5
	47	35	3.6	4.2	5.6	9.0	11.7	33	4.3	5.2	5.4	5.4	1.9
	48	24	3.8	4.0	5.0	6.1	8.5	33	4.6	5.1	5.8	5.5	1.5
	49 50	33 34	3.7 2.9	3.9	4.4	5.7 3.8	6.5 2.0	35 35	4.4	5.3 5.5	6.4 7.0	5.4 6.0	1.4
	51	30	3.5	4.0	4.6	5.1	5.4	34	4.4	4.9	5.3	5.2	1.5
	52	32	3.6	4.1	4.8	5.2	4.9	34	4.4	5.2	5.5	5.4	1.8
	53	14	4.0	4.7	5.0	4.6	1.0	15	4.9	6.1	6.4	5.9	1.2

L	33		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me l	Time F	Count	F	Percentil	е		Std.	Count	- 1	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1864	2.1	2.7	4.1	4.2	6.2 2.9	1876	2.8	3.4	4.5	4.5	5.5 2.0
	Jan Feb	169 184	2.1	2.8	4.2 3.8	3.8	2.9	181 180	2.8	3.3 3.5	4.0 4.5	3.9 4.2	2.0
	Mar	182	2.1	2.8	4.8	4.6	5.9	178	2.8	3.5	4.8	4.8	5.6
	Apr	158	2.0	2.4	3.4	4.6	9.4	152	2.6	3.3	4.5	4.5	7.3
ے	May	155	1.9	2.3	3.2	3.7	5.6	165	2.8	3.3	3.9	3.7	2.3
Month	Jun	180	2.1	2.7	3.9	3.3	1.9	176	2.8	3.4	4.3	3.8	1.8 4.9
2	Jul Aug	171 192	2.3	3.0	4.1	3.9 4.1	4.8 5.0	175 194	2.8	3.5 3.3	4.4 4.6	4.1	2.0
	Sep	89	2.4	2.8	4.7	5.7	9.0	80	3.1	4.3	7.9	9.4	13.1
	Oct	75	2.6	3.3	5.4	8.3	13.7	62	3.2	4.0	5.4	8.3	13.3
	Nov	139	2.2	2.9	4.2	4.6	7.1	155	2.8	3.4	4.7	4.7	6.4
	Dec	170	2.2	2.7	4.1	3.9	5.1	178	2.8	3.5	4.5	4.1	2.2
	2	22 43	1.8 2.1	2.4	3.1 4.3	2.8 4.5	1.7 4.4	28 40	2.7	3.4	4.1 4.0	3.8 4.1	1.6 2.6
	3	36	2.2	2.9	3.8	3.5	2.1	42	2.8	3.5	4.2	4.2	2.1
	4	42	2.1	2.8	4.8	3.8	2.3	37	2.8	3.2	3.9	3.4	1.0
	5	32	2.3	2.9	4.2	3.5	1.7	41	2.5	3.1	3.7	3.6	1.8
	6	39	2.1	3.2	4.8	4.2	3.0	44	3.0	3.9	6.1	5.2	3.3
	7 8	41 55	2.1 1.8	2.8	3.9	3.5 2.6	2.6 1.2	38 51	2.7	3.1 3.4	4.0 4.1	3.8	2.5 0.9
	9	49	1.9	2.3	3.2	3.2	2.3	45	3.2	3.8	4.1	4.4	1.7
	10	44	2.0	2.6	3.5	3.4	2.3	44	2.5	3.1	4.2	3.7	2.1
	11	45	2.3	4.7	10.0	6.4	4.7	49	3.0	4.3	6.8	5.5	3.4
	12	35	2.1	2.6	3.4	3.1	1.4	29	2.9	3.4	4.3	5.0	6.8
	13	37	2.0	3.1	4.8	5.8	10.9	40	2.8	3.6	4.9	5.7	9.1
	14 15	42 28	1.9 2.0	2.5 2.5	3.6 4.3	3.5 11.2	3.0 19.8	40 25	2.8	3.1	4.2 5.3	3.5 6.4	1.1
	16	38	2.0	2.2	2.8	3.8	5.9	28	2.4	2.6	3.9	6.1	12.5
	17	43	2.1	2.9	3.6	3.1	1.5	47	2.8	3.4	4.2	3.6	1.1
	18	38	1.8	2.1	2.6	3.1	4.5	35	2.8	3.4	4.1	4.2	4.0
	19	37	2.0	2.3	3.4	3.2	2.3	40	2.7	3.2	3.6	3.4	1.1
	20	36	2.0	2.3	3.5	4.7 3.6	9.3	38	2.7	3.3	4.3	4.0	2.5
	21	33 33	1.8	2.2	2.9 3.3	3.1	4.7 1.7	37 38	2.9	3.3	4.0 3.9	3.6	1.1 0.9
	23	50	2.2	2.7	3.4	3.3	2.0	48	2.7	3.3	4.2	3.7	1.2
	24	45	2.2	2.7	4.4	3.5	2.1	43	3.1	3.8	4.7	4.4	2.5
	25	44	2.1	3.2	4.5	3.4	1.5	43	2.9	3.3	4.7	3.9	1.6
놓	26	34	1.9	2.7	4.1	3.3	2.1	35	2.7	3.0	3.7	3.5	1.8
Week	27 28	35 44	2.2	2.6 2.5	3.8	3.1	1.2 1.2	32 39	2.8	3.4 3.5	4.3 4.1	3.5	1.1
	29	35	2.3	2.8	3.9	3.5	1.9	40	2.9	3.5	4.3	3.9	1.5
	30	43	2.5	3.4	4.5	5.4	8.9	39	3.0	3.8	4.8	5.5	9.8
	31	35	2.7	3.2	4.5	4.1	2.5	49	2.8	3.7	4.7	3.9	1.6
	32	51	2.2	2.7	3.2	3.2	1.8	42	2.8	3.5	4.6	4.2	2.4
	33	44	2.9	4.0	5.0	4.9	4.5	36	3.2	3.8	5.0	4.5	2.7
	34 35	37 39	2.5	3.2	4.3 3.8	3.8	1.9 1.5	42 52	2.5	3.1 3.1	4.0 4.4	3.5 3.6	1.5 1.5
	36	34	2.2	2.8	6.8	9.1	15.0	30	3.2	4.4	8.1	7.7	8.4
	37	22	2.4	2.7	2.9	3.1	2.3	11	3.2	4.0	6.1	8.1	11.6
	38	24	2.5	3.5	4.9	6.2	8.9	27	3.0	4.3	8.6	11.4	16.9
	39	9	2.5	2.7	3.0	3.8	2.7	10	4.1	8.0	10.6	12.6	14.1
	40	10 24	2.7	4.0 3.3	5.6 5.4	4.5 6.5	1.9 12.4	8 16	2.3 3.2	2.9 4.1	3.6 6.9	3.2 8.2	1.2
	42	20	3.1	3.5	9.2	11.3	15.6	15	3.0	3.6	4.6	4.1	1.7
	43	17	2.6	3.2	4.1	7.5	11.9	19	3.2	4.9	5.7	8.1	15.1
	44	11	2.5	3.0	4.9	8.8	15.9	11	3.2	3.9	17.9	15.0	19.5
	45	17	2.7	3.8	7.8	10.2	15.9	19	3.0	4.8	5.5	10.5	16.3
	46	30	2.2	2.7	3.3	3.9	4.2	43	2.6	3.1	3.9	3.3	1.0
	47 48	48 39	2.1	2.9	4.3 3.9	3.6 4.2	2.1 5.7	41 48	3.1 2.7	4.2 3.3	5.1 4.3	4.6 3.7	2.7 1.5
	49	38	2.1	2.7	4.3	5.0	8.9	39	2.8	3.6	5.0	4.1	1.6
	50	41	1.9	2.4	3.5	3.2	2.0	40	2.9	3.5	4.5	4.4	2.8
	51	33	2.1	2.7	3.8	3.7	2.5	36	2.8	3.2	4.4	4.1	2.6
	52	38	2.2	2.6	3.9	3.7	3.9	42	2.8	3.2	4.5	3.6	1.1
	53	25	2.4	2.7	4.6	4.1	4.2	25	2.7	3.6	4.3	4.0	2.4

L	34		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
nit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	ravel Ti	ne Estim	ate (hour	)
Time Unit	e P	Count	F	Percentil	е		Std.	'n	F	Percentil	е		Std.
ij	Time	ខ្ញុ	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	2248	4.6	5.4	6.8	6.8	6.1	2240	7.6	9.1	11.2	10.1	5.4
	Jan	192	4.3	5.1	6.3	6.4	4.4	204	7.7	9.3	11.0	9.8	4.4
	Feb Mar	207	4.0	4.6 4.8	5.6 5.8	5.4 6.3	2.3 7.5	201	7.5 7.3	9.1 8.6	11.3	9.6 9.6	2.6 5.0
	Apr	197	4.3	4.6	5.7	6.0	6.4	193	7.7	9.2	12.1	10.9	7.3
	May	186	4.3	4.7	6.2	6.0	4.4	195	8.0	9.9	12.1	10.6	4.3
Month	Jun	206	4.7	5.4	6.8	6.1	2.3	207	8.0	9.2	11.2	10.0	4.0
ĕ	Jul	200	5.2	5.8	7.7	6.9	3.0	200	7.2	9.0	10.7	9.5	3.2
	Aug	167	5.0	6.1	7.4	7.6	7.6	164	7.2	8.8	11.0	9.8	6.1
	Sep Oct	155 148	5.3 5.6	6.4 6.4	8.5 7.9	9.0	8.5 10.5	142 133	7.3 7.6	9.0 9.4	11.1 12.1	11.5 11.8	9.1
	Nov	179	4.9	5.7	7.3	7.2	6.5	187	7.4	8.6	10.3	9.2	3.6
	Dec	192	4.6	5.3	6.4	6.3	5.6	204	7.6	9.0	11.7	9.9	4.4
	1	24	4.1	4.5	6.0	6.1	3.4	32	8.0	9.8	10.7	9.4	2.0
	2	50	4.3	5.1	6.2	6.9	6.7	44	7.0	9.2	11.2	9.6	3.3
	3	40 48	4.1	4.5 5.5	5.2	5.6	3.7	50	8.6 7.9	10.2	12.0	11.4	7.3
	5	36	5.0	5.5	7.1 6.6	6.5 6.5	3.1 2.6	38 50	6.9	8.9 8.3	10.3 9.5	9.3 8.6	2.1
	6	46	4.0	4.5	6.1	5.6	2.5	44	8.3	9.2	10.8	9.7	2.3
	7	41	4.2	4.8	5.5	5.4	1.9	44	7.1	8.9	10.4	9.0	2.4
	8	67	4.0	4.7	5.5	5.1	1.9	56	7.2	8.3	10.4	9.1	2.6
	9	56	3.8	4.3	5.6	5.3	2.5	55 55	8.6	10.2	12.6	10.5	2.6
	10	54 48	4.2	4.6 4.8	5.7 5.7	5.4 5.7	1.9 2.7	55 52	7.2 7.1	8.6 8.5	11.7 10.4	9.8 8.9	4.0 2.7
	12	49	4.3	4.9	6.0	9.6	14.9	35	7.1	9.4	11.6	12.1	10.0
	13	44	4.5	4.9	5.4	5.2	1.2	49	7.6	8.5	9.4	8.9	2.4
	14	47	4.0	4.5	5.3	4.8	1.5	42	7.4	9.0	11.7	10.1	3.3
	15	45	3.9	4.3	6.5	9.0	12.7	42	8.9	11.4	14.6	13.5	8.4
	16	46	4.2	4.5	4.8	4.8	1.0	41	7.3	9.0	10.3	11.5	11.6
	17 18	49 44	4.7	5.4 4.6	6.3	5.8 6.9	1.8 7.9	55 35	7.3 7.5	8.7 9.4	10.2 12.5	9.4	3.5
	19	42	4.5	4.9	5.6	5.6	1.9	45	7.8	9.5	11.0	9.6	2.7
	20	44	4.3	4.7	6.2	5.6	2.1	47	7.8	9.8	13.0	11.2	4.9
	21	39	4.1	4.4	5.6	5.6	2.9	45	8.8	10.3	12.3	10.8	2.6
	22	42	4.5	5.3	6.4	5.7	1.7	47	8.0	9.5	11.5	10.7	5.8
	23	57 50	4.8	5.6 5.6	6.7	6.3 6.1	2.5 1.9	55 46	7.8 8.2	8.9 9.5	10.5 11.2	10.1 9.7	4.5 2.7
	25	44	4.6	5.2	6.8	5.8	1.7	47	7.5	9.0	11.1	9.7	3.1
Ļ	26	45	4.7	5.3	6.4	6.3	2.8	43	8.7	9.7	12.9	11.1	5.2
Week	27	42	4.8	5.4	7.1	6.3	2.3	50	8.0	9.8	11.0	9.9	3.0
>	28	49	5.6	6.2	8.2	7.5	3.6	38	7.2	8.5	10.6	9.2	3.2
	29	40	5.0	5.5	7.7	6.9	3.0	46	7.9	9.6	10.8	9.6	2.4
	30	50 43	5.3 5.0	6.0 5.8	7.3 6.7	6.9 6.5	2.9	43 54	7.2 7.0	8.7 8.3	10.2 11.0	9.4 9.2	3.9
	32	61	5.0	6.5	7.7	6.9	2.4	52	7.2	8.6	10.6	9.1	2.9
	33	45	4.8	5.3	6.3	5.9	2.0	41	7.7	9.3	11.4	11.8	11.1
	34	9	6.0	8.3	11.1	11.5	8.4	12	7.5	8.8	10.5	9.1	1.9
	35	31	5.0	6.2	8.0	11.4	15.6	39	7.2	8.7	10.9	9.0	2.3
	36 37	49 29	5.2 5.7	6.4 6.3	8.3 8.0	8.5 7.6	7.9 5.0	49 22	7.2 7.8	8.7 9.3	10.6 11.5	10.6 13.8	8.4 13.2
	38	37	5.1	6.3	8.6	9.4	9.6	40	7.9	10.1	11.8	11.5	6.3
	39	28	5.6	6.7	8.2	9.4	10.3	23	7.1	8.8	11.7	12.9	10.7
	40	34	5.9	6.4	9.3	9.0	6.0	28	6.6	8.4	9.6	11.4	12.4
	41	36	5.6	6.4	7.9	8.4	8.8	29	8.1	9.7	12.2	10.9	4.3
	42	38 35	5.6 5.4	5.9 6.8	7.5 8.3	12.5 7.2	15.9 2.3	32 41	7.2 7.2	9.8	10.9 12.5	10.0	6.1 10.8
	44	28	5.6	6.1	7.4	9.0	10.2	20	7.8	9.4	11.4	10.4	3.7
	45	37	5.2	6.3	9.5	11.1	13.1	32	8.1	9.6	12.2	11.8	6.5
	46	35	5.0	6.0	7.2	6.1	1.5	46	6.4	8.5	10.1	8.5	2.2
	47	52	4.9	5.5	6.7	6.1	1.8	46	7.0	8.2	10.0	8.7	2.7
	48	43	5.0	5.7	7.0	6.3	2.0	53	7.6	8.4	9.6	8.9	2.2
	49 50	45 47	4.9 4.1	5.3 4.5	6.4 5.5	5.9 5.1	1.6 1.6	49 45	7.6 8.0	8.3 9.9	10.7 12.2	10.0	6.6 2.5
	51	40	4.1	5.7	6.8	8.7	11.6	39	7.4	8.2	10.0	9.2	3.0
	52	45	4.8	5.5	7.1	6.0	1.7	56	7.5	9.2	11.8	10.1	4.4
	53	23	4.8	5.6	6.1	5.7	1.3	21	7.7	9.3	11.4	9.5	2.7

L	35		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me	Time F	Count	F	Percentil		r r	Std.	Count	- 1	Percentil	e		Std.
≓ Υ			25th	50th	75th	Avg.	<b>Dev.</b> 1.1	_	25th	50th	75th	Avg.	Dev.
Y	2014 Jan	2531 207	2.0	2.3	2.7	2.5 2.5	1.1	2531 219	2.9 3.0	3.4	4.0 4.1	3.7	1.8
	Feb	208	1.8	2.1	2.3	2.2	1.3	207	2.9	3.4	4.1	3.7	1.4
	Mar	245	2.0	2.2	2.4	2.3	1.0	238	2.8	3.3	3.9	3.7	1.7
	Apr	221	1.8	2.1	2.3	2.2	0.8	219 216	3.0	3.4	4.2	3.8 4.1	1.6 2.3
ıth	May Jun	223	2.2	2.4	2.8	2.5	0.6	225	3.0	3.4	3.8	3.8	2.1
Month	Jul	207	2.3	2.6	3.1	2.8	0.7	208	2.8	3.3	3.8	3.5	1.3
	Aug	161	2.3	2.5	2.9	2.7	1.2	150	2.8	3.4	3.9	3.6	1.4
	Sep Oct	206 216	2.3	2.5 2.6	2.9 3.0	2.7	0.9 1.7	201	2.7	3.1 3.3	3.8 4.0	3.6 3.7	2.7
	Nov	214	2.3	2.5	2.8	2.7	1.7	213	2.8	3.2	3.9	3.6	1.9
	Dec	214	2.2	2.4	2.7	2.5	0.8	232	3.0	3.5	4.1	3.7	1.3
	2	23 54	1.9 2.0	2.0	2.5	2.6	1.7 0.6	35 48	3.2 2.9	3.8 3.4	4.5	3.9	1.0
	3	43	1.8	2.0	2.6	2.4	0.6	52	3.3	3.4	3.9 4.5	3.5 3.9	0.8
	4	51	2.1	2.5	3.0	2.8	1.3	42	3.0	3.4	3.8	3.8	1.8
	5	40	2.3	2.3	2.6	2.6	0.6	51	2.8	3.2	3.5	3.3	0.8
	6 7	47 47	1.8	2.1	2.5	2.5	2.2 0.4	48 46	3.2 2.7	3.6	4.0 3.8	3.8	1.0 0.9
	8	64	1.8	2.1	2.3	2.1	0.4	58	2.9	3.2	4.0	3.8	2.0
	9	58	1.7	1.8	2.1	2.0	1.2	56	3.3	4.0	4.6	4.1	1.1
	10	57	1.9	2.1	2.3	2.2	0.5	57	2.8	3.2	3.9	3.5	1.2
	11 12	52 56	2.0	2.3	2.5	2.6	1.6 1.3	56 45	2.7 3.2	3.3	3.9 4.3	3.6 4.0	1.6 2.1
	13	53	2.1	2.3	2.4	2.3	0.4	58	2.8	3.3	3.8	3.7	2.0
	14	49	1.8	2.0	2.3	2.1	0.6	45	3.1	3.4	4.4	4.2	2.1
	15 16	54 58	1.8	1.9 2.1	2.1	2.0	0.6	56 50	3.2 2.9	3.9	4.6	4.2	1.8
	17	50	2.1	2.1	2.6	2.4	0.4	55	2.9	3.3	3.8 3.6	3.5 3.5	1.1
	18	49	1.8	2.0	2.3	2.3	1.3	42	3.0	3.5	4.5	3.8	1.2
	19	44	1.9	2.1	2.3	2.1	0.4	49	3.1	3.6	4.2	3.8	1.9
	20	47 43	2.0 1.8	2.1	2.3	2.2	0.6 1.4	48 52	3.0	3.5 4.0	4.0 4.7	4.0	2.0 1.3
	22	51	2.0	2.2	2.7	2.3	0.4	50	3.2	3.6	4.1	4.3	3.6
	23	57	2.2	2.4	2.6	2.4	0.5	59	2.9	3.3	3.6	3.3	0.7
	24	55	2.2	2.4	2.9	2.6	0.8	53	3.1	3.4	4.0	4.1	2.4
	25 26	47 49	2.1	2.4	2.9	2.6 2.5	0.7 0.5	48 47	2.9 3.1	3.3 3.6	3.9 4.1	4.0 3.7	3.3 0.9
Week	27	46	2.2	2.4	2.6	2.5	0.5	50	3.2	3.6	4.1	3.9	1.6
>	28	52	2.4	2.7	2.9	2.8	0.6	42	3.0	3.3	3.7	3.4	1.1
	29 30	42 51	2.3	2.6 2.6	3.2	2.8	0.7	50 42	2.9	3.5 3.2	4.2	3.9	1.5 1.5
	31	50	2.4	2.5	3.0	2.9	0.9	58	2.7	3.1	3.6	3.3	1.0
	32	58	2.3	2.6	2.9	2.7	0.6	52	2.8	3.3	4.0	3.5	1.3
	33	51	2.2	2.4	2.7	2.6	0.7	39	3.0	3.7	4.2	4.0	1.7
	34 35	0 27	2.2	2.4	2.9	2.5	0.5	38	2.8	3.3	3.6	3.4	1.1
	36	51	2.3	2.6	3.0	2.9	1.8	52	2.8	3.2	3.8	4.0	3.7
	37	43	2.3	2.5	3.0	2.7	0.7	42	2.7	3.2	4.0	3.6	1.4
	38 39	46 47	2.3	2.6 2.4	3.0 2.8	2.8	1.0 1.2	49 40	2.5	2.9 3.1	3.5 3.8	3.1 4.1	0.9 3.7
	40	51	2.4	2.7	3.2	3.4	3.0	54	2.5	3.1	3.5	3.7	3.6
	41	50	2.3	2.6	2.8	2.6	0.4	37	2.9	3.5	4.0	3.5	0.6
	42	56	2.2	2.5	2.9	2.8	1.1	46 56	2.7	3.2	4.1	3.7	2.2
	43 44	43 47	2.4	2.5	2.9 3.1	2.9	1.2 1.2	56 39	2.6	3.3	4.0 3.8	3.8	0.9
	45	59	2.1	2.4	2.8	2.4	0.5	48	2.7	3.2	3.9	3.5	1.4
	46	43	2.3	2.6	2.9	2.7	0.7	53	2.7	3.3	3.9	3.7	1.9
	47	53	2.2	2.4	2.7	2.5	0.5	48	2.8	3.2	3.9	3.6	1.5
	48 49	46 46	2.3	2.5 2.4	2.7	3.4 2.7	3.3 1.0	52 53	2.9 3.0	3.2	3.6 4.0	3.8	2.7 1.4
	50	50	1.9	2.0	2.2	2.1	0.3	50	3.3	3.8	4.5	3.9	1.1
	51	48	2.3	2.6	2.7	2.6	0.5	48	2.9	3.3	3.8	3.4	0.8
	52	50	2.3	2.6	2.8	2.7	0.9	60	3.1	3.5	3.9	3.8	1.6
Ш	53	27	2.3	2.7	2.8	2.7	0.7	27	3.0	3.8	4.2	3.8	1.3

L	36		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	е	•	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2523	1.3	1.6	3.4	2.9	2.8 3.5	2559	1.7	2.1	3.2	2.7	1.8 2.6
	Jan Feb	198 207	1.2	1.6 1.5	3.8 4.2	3.3	3.3	214 201	1.7	2.3	3.8	3.3 3.1	2.0
	Mar	244	1.2	1.3	2.5	2.7	2.9	238	1.7	2.3	3.5	2.9	2.0
	Apr	213	1.2	1.4	3.0	2.8	2.8	215	1.7	2.0	3.3	2.8	2.0
ے	May	208	1.2	1.3	2.7	2.3	2.1	218	1.8	2.4	3.6	2.9	1.7
Month	Jun	222	1.3	1.5	2.8	2.3	1.8 2.4	219	1.7	2.0	2.7	2.5	1.3
2	Jul Aug	207 190	1.3	1.6 1.7	2.1 4.6	2.5 3.6	3.5	208 199	1.7	1.9 2.1	2.6 3.0	2.4	1.6
	Sep	205	1.3	1.6	2.2	2.6	2.6	200	1.6	1.9	2.7	2.3	1.2
	Oct	213	1.3	1.8	3.7	2.8	2.1	205	1.6	2.0	2.7	2.5	1.5
	Nov	207	1.4	1.9	5.2	3.7	3.3	215	1.7	2.1	2.9	2.6	1.7
H	Dec	209	1.3	1.5	3.4	2.9	2.8	227	1.8	2.2	3.4	2.9	2.0
	2	21 52	1.3	2.5 1.7	4.7	4.2 3.1	3.8	36 44	1.9	2.4	4.3 3.6	3.3	1.8
	3	42	1.1	1.3	2.4	2.8	3.5	52	2.0	2.8	3.9	3.6	2.6
	4	48	1.3	2.4	4.5	4.1	4.0	39	1.8	2.2	3.0	3.3	3.1
	5	39	1.3	1.5	2.7	2.7	2.7	49	1.7	1.8	3.2	3.1	3.0
	6	47	1.2	1.8	4.4	3.8	4.0	47	1.9	2.3	3.8	3.1	1.8
	7 8	48 61	1.2	1.5 1.4	4.0 3.2	3.2 2.7	3.3 2.6	49 53	1.7	2.4	4.1 3.1	3.1 2.6	1.9
	9	60	1.2	2.4	4.7	3.5	3.1	56	2.0	3.0	4.0	3.6	2.3
	10	57	1.2	1.4	3.0	2.9	3.0	56	2.0	3.2	4.6	3.8	2.5
	11	51	1.2	1.3	2.2	2.9	3.4	55	1.5	2.3	3.4	2.8	1.7
	12	58	1.2	1.3	1.7	2.2	2.4	45	1.8	2.2	2.6	2.9	2.5
	13	47	1.2	1.4	3.5	2.9	2.9	59	1.7	2.2	3.1	2.5	1.1
	14 15	51 51	1.1	1.3 2.3	3.2 5.7	2.8 3.7	3.0 2.7	47 53	1.7 1.8	2.3	3.6 3.8	3.0 3.4	2.1
	16	54	1.1	1.3	1.8	2.3	2.9	53	1.6	2.0	3.8	2.8	1.9
	17	50	1.2	1.5	2.5	2.3	2.1	51	1.7	1.8	2.5	2.2	0.9
	18	47	1.2	1.4	4.2	3.0	3.2	42	1.7	2.1	4.6	3.2	2.3
	19	45	1.2	1.3	2.5	2.4	2.3	49	1.8	2.3	3.7	3.1	1.9
	20	48	1.2	1.3	1.9	2.0	1.6	47	1.8	2.4	3.4	2.7	1.2
	21	42 51	1.1	1.3 1.4	2.7	2.2	1.8 1.9	51 53	2.1 1.8	2.5	3.3 2.9	3.0 2.4	1.7
	23	54	1.3	1.5	2.3	2.2	1.9	55	1.7	2.0	2.6	2.5	1.4
	24	57	1.3	1.7	3.3	2.7	2.1	52	1.6	2.0	2.3	2.3	1.1
	25	46	1.3	1.5	2.0	2.2	1.6	46	1.7	2.0	2.5	2.4	1.3
놓	26	50	1.2	1.4	2.4	2.3	1.8	46	1.7	2.2	2.9	2.6	1.2
Week	27 28	45 53	1.3	1.5 1.6	3.1 2.0	2.4	2.1	52 41	1.8	2.2 1.9	3.2 2.2	2.6 2.1	1.2 0.8
	29	43	1.3	1.6	3.5	3.0	3.0	51	1.7	1.9	2.3	2.1	1.9
	30	47	1.4	1.6	1.9	2.4	2.3	42	1.6	1.9	2.9	2.6	1.8
	31	52	1.3	1.7	2.8	2.5	2.2	59	1.6	2.0	2.8	2.4	1.3
	32	59	1.4	1.6	2.8	2.7	2.5	53	1.6	2.0	2.4	2.2	0.9
	33	48	1.3	3.0	8.1	5.2	4.7	39	1.7	2.1	3.1	2.5	1.3
	34 35	22 37	1.4	1.6 1.8	5.2 4.7	3.7	3.6 2.7	34 51	1.7	2.0	3.1 2.9	2.9	2.1 1.6
	36	50	1.3	1.5	2.0	2.6	3.1	51	1.6	2.0	2.8	2.4	1.0
	37	46	1.3	1.6	5.3	3.4	3.1	43	1.5	2.1	2.5	2.3	1.1
	38	43	1.3	1.6	2.2	2.4	2.1	48	1.7	1.9	3.3	2.4	1.2
	39	49	1.4	1.6	1.9	2.1	1.7	41	1.6	2.0	2.9	2.6	1.6
	40	48 49	1.3	1.7 1.7	2.1 3.8	2.4	2.0	52 39	1.5	1.8 2.0	2.0	2.0	0.9 1.9
	42	56	1.3	1.7	3.1	2.6	2.0	47	1.6	2.0	2.8	2.5	1.3
	43	44	1.6	1.9	3.7	3.1	2.2	57	1.5	2.1	3.1	2.6	1.7
	44	47	1.4	1.7	4.4	2.9	2.2	38	1.7	1.9	2.3	2.2	1.1
	45	57	1.6	4.0	5.7	4.4	3.1	47	1.6	1.9	2.6	2.4	1.6
	46	43	1.4	1.7	4.7	3.4	3.0	53	1.5	2.0	2.7	2.5	1.9
	47 48	51 43	1.3	1.9 1.7	5.0 3.3	3.3	2.9 4.0	48 53	1.6	1.8 2.4	2.8 3.5	2.4 3.0	1.4
	49	45	1.3	1.6	3.0	3.0	2.7	54	1.8	2.2	3.2	2.9	2.1
	50	47	1.1	1.3	4.2	2.9	3.0	46	1.8	2.6	3.0	2.7	1.1
	51	47	1.3	1.6	3.6	3.1	3.1	51	1.7	2.1	3.1	2.7	1.6
	52	48	1.3	1.8	4.4	3.2	2.8	59	1.8	2.1	4.0	3.2	2.3
ш	53	27	1.2	1.3	1.7	1.9	1.4	25	1.8	2.3	4.1	3.3	2.5

L	37		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me	Time I	Count		Percentil		†	Std.	Count		Percentil			Std.
Έ Y			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2014 Jan	2631 211	2.3	2.7	3.2 2.7	3.0 2.5	2.1 0.8	2627 221	3.3	4.0 3.8	4.8 4.5	4.5	2.5 1.4
	Feb	212	2.1	2.4	2.9	2.7	1.1	209	3.2	3.8	4.7	4.1	1.2
	Mar	248	2.2	2.5	2.8	2.6	1.0	238	3.2	3.7	4.3	3.9	1.4
	Apr	221	2.0	2.3	2.7	2.5	0.7	218 224	3.1	3.8	4.7 4.4	4.1	1.6
ıţ.	May Jun	224	2.3	2.3	3.0	2.5	1.8	224	3.2	3.7	4.4	3.9 4.1	1.7
Month	Jul	210	2.5	2.9	3.4	3.3	2.4	211	3.3	3.8	4.6	4.2	3.0
	Aug	231	2.6	3.1	3.8	3.6	1.8	224	3.6	4.3	5.2	5.5	4.7
	Sep Oct	205 218	2.6	2.9 3.1	3.4	3.3 3.6	3.4	200	3.5 3.5	4.1 4.3	4.7 5.2	4.3	1.8
	Nov	222	2.7	3.2	5.0	4.0	2.0	223	4.0	5.2	7.7	6.2	3.0
	Dec	217	2.3	2.6	3.2	3.2	2.2	228	3.6	4.2	5.2	5.0	3.2
	1	22	1.8	2.0	2.3	2.1	0.4	32	3.2	3.7	4.0	3.7	0.9
	3	57 45	2.0 1.9	2.3	2.5	2.4	0.5 0.4	48 54	3.0	3.7 4.0	4.4 4.5	3.8 4.0	1.0 0.8
	4	48	2.2	2.6	3.1	2.8	1.1	44	3.1	3.7	5.1	4.7	2.5
	5	44	2.3	2.7	3.1	2.9	0.9	50	3.2	3.8	4.6	3.8	0.9
	6 7	48 48	2.2	2.6	3.3 2.7	2.8	0.9 1.6	47 51	3.5 3.1	3.8	4.5 4.5	4.0 3.7	1.0 0.8
	8	62	2.2	2.4	3.1	2.7	0.8	56	3.2	3.8	4.3	3.9	1.0
	9	62	1.9	2.1	2.5	2.3	0.6	56	3.6	4.3	5.7	4.6	1.5
	10	53	2.2	2.4	2.8	2.7	1.1	59	3.1	3.7	4.6	4.0	1.2
	11 12	54 57	2.2	2.5	2.6	2.5 2.4	0.6	53 46	3.1	4.0 3.5	4.4 3.8	4.1 3.5	1.4 0.5
	13	54	2.3	2.6	3.0	2.9	1.7	58	3.2	3.6	4.2	4.0	1.9
	14	50	2.0	2.3	2.6	2.3	0.5	49	3.1	3.7	4.7	3.8	1.0
	15 16	53 57	1.9 2.1	2.2	2.4	2.3	0.6	56 54	3.7	4.8	6.6	5.3	2.3 0.9
	17	52	2.1	2.5	3.0	2.5	0.7	54 51	2.8 3.3	3.3	3.8 4.2	3.5	0.9
	18	47	2.0	2.3	3.0	2.6	0.9	42	3.2	3.6	4.2	4.0	1.3
	19	48	2.2	2.3	2.8	2.6	0.9	51	3.3	3.8	4.3	3.9	1.0
	20	50 42	2.1 1.8	2.4	2.7	2.5	0.7 0.5	47 51	3.1	3.7 4.2	4.5 4.9	3.8 4.2	1.0
	22	51	2.1	2.4	2.9	2.6	0.6	55	3.2	3.5	4.0	3.6	0.7
	23	57	2.2	2.4	3.0	3.1	3.4	54	3.4	4.0	4.6	4.2	1.6
	24	58	2.4	2.6	3.0	2.8	0.7	53	3.4	4.0	4.7	4.4	1.4
l	25 26	47 48	2.3	2.6	2.8 3.0	2.8	0.9	49 46	3.1	3.5 3.7	4.1 4.3	3.9	2.6 1.2
Week	27	46	2.3	2.5	2.8	2.6	0.6	54	3.1	3.6	4.3	3.7	1.0
>	28	56	2.6	3.1	3.6	3.4	2.3	41	3.2	3.8	4.4	4.9	6.2
	29 30	43 43	2.5	2.8 3.0	3.2	2.9 3.5	0.5 2.8	55 40	3.8	4.4 3.8	4.9 4.4	4.5 3.9	1.0
	31	55	2.7	3.1	3.6	3.6	3.1	60	3.4	3.9	4.4	4.0	1.3
	32	59	2.6	3.1	3.5	3.1	0.7	54	3.7	4.4	5.2	5.1	5.0
	33	51	2.7	3.4	5.5	4.6	2.9	46	3.8	4.8	8.7	6.9	4.5
	34 35	46 50	2.7	3.4 2.7	4.1 3.1	3.9 2.9	1.9 1.0	50 52	3.9	4.6 3.8	5.9 4.6	5.8 4.8	3.3 6.1
	36	50	2.7	3.1	3.5	3.2	0.6	53	3.7	4.1	4.9	4.7	3.0
	37	46	2.4	2.7	3.2	3.1	1.6	43	3.6	4.4	4.8	4.3	1.2
	38	44 49	2.5	2.8 3.0	3.2	2.9 4.1	0.6 6.8	46 41	3.2	3.9 4.1	4.9 4.6	4.2	0.9
	39 40	48	2.7	3.0	3.5	3.1	0.7	52	3.4	4.1	4.6	4.1	1.1
	41	49	2.7	3.1	3.7	3.2	0.9	41	3.3	3.8	4.3	3.9	0.8
	42	56	2.4	2.6	3.2	2.9	1.0	49	3.5	4.3	5.0	4.3	1.1
	43 44	47 48	2.6	3.3	4.3 5.4	4.7 4.2	6.9 1.4	54 41	3.6 4.1	4.4 5.1	6.4 6.5	5.0 5.2	2.1 1.6
	45	60	3.1	4.3	6.5	5.1	2.3	47	7.4	8.7	11.3	9.0	2.7
	46	44	2.8	4.2	5.2	4.5	2.2	57	4.3	5.1	6.2	5.7	2.1
	47	57	2.5	2.8	3.9	3.5	1.6	48	4.3	5.8	7.9	6.8	3.7
	48 49	47 48	2.5	2.8	3.3	3.1 3.5	0.9 2.4	54 53	3.6 4.2	4.1 4.6	4.8 5.4	4.2 5.9	0.8 3.6
	50	49	2.1	2.3	2.6	2.4	0.5	49	3.4	3.9	4.3	4.0	0.8
	51	49	2.4	2.8	3.0	2.8	0.6	52	3.4	3.8	4.6	4.1	1.1
	52	48	2.5	2.9	4.3	4.2	3.6	59	3.6	4.9	6.9	6.2	4.6
	53	29	2.2	2.5	2.8	2.6	0.5	24	3.3	4.0	4.6	4.1	1.1

L	38		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me l	Time F	Count	F	Percentil	е		Std.	Count	- 1	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2444	0.6	0.7	0.8	0.9	0.8	2525	0.8	1.0	1.3	1.2	0.8
	Jan Feb	194 196	0.5 0.5	0.6	0.8	0.9	0.9	214	0.8	1.0	1.3 1.3	1.2	0.6
	Mar	230	0.5	0.6	0.8	0.8	0.9	232	0.8	1.0	1.3	1.2	0.6
	Apr	193	0.5	0.6	0.8	0.8	0.7	204	0.8	1.0	1.3	1.2	0.7
٠	May	185	0.5	0.6	0.8	0.8	0.9	215	0.9	1.1	1.3	1.3	0.8
Month	Jun	211	0.6	0.6	0.8	0.9	0.9	217	0.9	1.0	1.2	1.3	1.0
2	Jul Aug	193 216	0.6	0.7	0.8	0.9	0.8	201	0.8	1.0	1.2	1.3	1.0
	Sep	197	0.6	0.7	0.8	0.9	0.8	187	0.8	0.9	1.2	1.1	0.7
	Oct	208	0.6	0.7	0.8	0.9	0.9	202	0.8	1.0	1.2	1.2	0.8
	Nov	214	0.6	0.7	0.8	0.9	0.9	219	0.8	1.0	1.3	1.3	0.9
	Dec	207	0.6	0.6	0.8	0.8	0.8	218	0.9	1.1	1.4	1.3	0.8
	2	19 55	0.5 0.5	0.6	0.7	0.6	0.4	33 45	1.0 0.8	1.2 1.0	1.3 1.3	1.2	0.6
	3	39	0.5	0.6	0.9	0.9	0.9	53	0.9	1.2	1.3	1.4	0.8
	4	42	0.5	0.6	0.8	1.1	1.3	42	0.9	1.0	1.1	1.0	0.2
	5	44	0.6	0.6	0.8	0.7	0.4	49	0.8	0.9	1.1	1.0	0.3
	6	47	0.5	0.6	0.7	0.8	0.7	43	0.9	1.0	1.2	1.1	0.3
	7 8	44 59	0.5 0.5	0.6	0.7	0.7	0.6 0.5	48 57	0.8	0.9 1.0	1.2 1.4	1.1	0.6 1.0
	9	55	0.5	0.6	0.8	0.8	0.8	56	0.8	1.0	1.4	1.4	0.8
	10	45	0.5	0.6	0.8	0.9	0.9	57	0.8	1.0	1.1	1.1	0.6
	11	52	0.5	0.6	0.8	0.9	1.2	52	0.8	1.0	1.3	1.2	0.7
	12	50	0.5	0.6	0.8	0.8	0.9	45	0.8	1.0	1.3	1.2	0.6
	13	52	0.5	0.6	0.7	0.7	0.3	53	0.9	1.0	1.3	1.2	0.5
	14	42	0.5	0.5	0.7	0.7	0.7	45	0.8	1.0	1.3	1.1	0.4
	15 16	42 50	0.5	0.5	0.7	0.7	0.5	50 51	0.9	1.1	1.3	1.2	0.6
	17	52	0.5	0.6	0.8	0.8	1.0	52	0.8	1.0	1.2	1.2	0.8
	18	41	0.5	0.6	0.8	0.7	0.5	41	0.9	1.2	1.4	1.3	0.7
	19	43	0.5	0.5	0.7	0.7	0.8	49	0.8	1.1	1.3	1.4	1.0
	20	46	0.5	0.6	0.8	0.9	1.0	45	0.8	1.1	1.3	1.4	1.1
	21	34 45	0.5	0.6	0.7	0.9	0.9 1.0	48 53	0.9	1.2 1.0	1.3 1.2	1.3	0.8
	23	52	0.6	0.6	0.8	1.0	0.9	50	0.8	1.1	1.3	1.5	1.2
	24	55	0.6	0.7	0.8	0.9	1.0	53	0.8	1.0	1.2	1.1	0.7
	25	44	0.5	0.6	0.8	0.7	0.2	46	0.9	1.0	1.2	1.2	0.8
¥	26	48	0.6	0.7	0.8	1.1	1.2	45	0.9	1.1	1.4	1.4	0.9
Week	27	43	0.5	0.7	0.8	0.9	0.8	52	0.8	1.1	1.3	1.5	1.4
	28 29	52 38	0.6	0.7	0.8	0.8	0.5 0.8	39 53	0.8	0.9 1.0	1.1	1.0	0.4 1.2
	30	40	0.6	0.8	0.9	0.9	0.5	40	0.8	1.0	1.1	1.1	0.8
	31	48	0.6	0.7	0.8	1.2	1.3	56	0.8	1.0	1.2	1.2	0.8
	32	60	0.6	0.7	0.8	1.0	0.9	53	0.8	1.1	1.3	1.3	1.0
	33	46	0.6	0.7	0.8	0.9	0.6	44	0.8	1.0	1.3	1.3	0.9
	34 35	42 47	0.6	0.7	0.8	0.8 1.0	0.6 1.0	48 48	0.9	1.1	1.4 1.2	1.5 1.3	1.2
	36	47	0.6	0.7	0.8	0.7	0.1	53	0.8	1.0	1.2	1.3	0.6
	37	44	0.6	0.7	1.0	1.0	0.8	38	0.8	1.0	1.2	1.1	0.5
	38	42	0.6	0.8	0.8	1.1	1.1	45	0.8	0.9	1.1	1.2	0.9
	39	47	0.7	0.8	0.9	1.0	0.8	36	0.8	1.0	1.1	1.1	0.5
	40	46	0.6	0.7	0.8	1.1	1.1	48	0.8	0.9	1.0	1.1	0.6
	41 42	47 54	0.6	0.7	0.8	0.9	0.7	40 49	0.8	1.0 1.2	1.2 1.4	1.2	0.7 1.1
	43	46	0.6	0.6	0.7	1.0	1.2	54	0.8	0.9	1.1	1.2	0.6
	44	44	0.6	0.7	0.8	0.8	0.4	38	0.8	1.0	1.4	1.3	0.9
	45	60	0.6	0.7	0.8	1.0	1.1	49	0.9	1.1	1.3	1.4	0.8
	46	43	0.6	0.7	0.8	1.0	1.0	55	0.8	1.0	1.2	1.3	1.0
	47	52	0.6	0.6	0.8	0.7	0.4	45	0.9	1.0	1.2	1.3	1.0
	48	46	0.6	0.7	0.9	1.0	1.1	53 50	0.8	1.0	1.3	1.3	0.8
	49 50	46 46	0.5 0.5	0.6	0.8	0.8	0.5 0.8	50 48	0.8	1.0	1.3	1.2	0.9
	51	47	0.6	0.7	0.8	1.0	0.9	51	0.8	1.0	1.2	1.2	0.6
	52	44	0.6	0.6	0.8	0.9	0.9	54	0.9	1.1	1.8	1.4	0.9
1	53	30	0.6	0.7	0.8	0.7	0.3	25	0.8	1.1	1.3	1.3	0.8

L	39		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
-	Pd.			ravel Tin			ır)				me Estim		.)
Time Unit	Time P	Count	F	Percentil	е		Std.	Count	F	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	909 92	7.1 6.6	8.5 8.0	13.2 13.2	19.9 18.7	25.7 25.2	861 93	11.8 12.0	14.8 15.5	20.8 19.6	24.3 21.9	23.4
	Jan Feb	105	6.3	7.3	13.2	22.0	29.5	100	11.3	14.2	20.4	21.9	19.1
	Mar	85	6.8	7.7	9.7	17.2	23.0	70	12.2	16.2	27.7	26.9	24.4
	Apr	83	6.9	8.4	14.7	24.8	31.5	77	12.4	14.9	19.4	18.7	14.4
£	May Jun	113 94	6.6 7.3	7.4 8.5	11.3 11.4	18.5 17.8	25.9 22.6	116 97	12.4 12.3	15.5 14.8	20.6 19.7	23.3	22.2
Month	Jul	98	7.9	9.5	14.1	18.5	21.8	87	11.3	14.6	21.8	27.7	28.0
	Aug	75	7.8	9.5	12.7	19.5	24.6	60	12.2	14.7	27.7	28.7	27.1
	Sep	58	8.7	9.6	17.0	23.9	27.7	65	11.3	14.8	19.9	23.4	22.6
	Oct Nov	39 22	8.2 8.1	9.3 9.7	12.0 19.6	17.5 24.1	21.7 27.0	39 17	10.7	13.3 11.8	33.8 14.0	29.5 20.4	29.2
	Dec	45	7.7	8.4	14.1	19.2	22.3	40	12.0	15.0	33.5	29.9	28.1
	1	12	6.2	7.1	10.0	11.5	10.8	14	15.0	17.8	18.6	22.3	21.5
	2	31	7.2	8.1 7.5	10.8	17.3	23.2	23	12.0	15.2	22.8	23.1	20.7
	3 4	28 12	6.5 7.0	7.8	17.2 9.0	24.1 8.3	31.2 2.2	25 21	12.9 11.1	15.9 13.7	18.9 20.9	19.2 23.2	23.9
	5	10	9.4	12.3	55.4	33.4	31.3	11	10.6	13.3	18.0	21.6	25.4
	6	37	6.3	7.7	15.5	20.4	26.9	29	12.1	14.3	20.1	19.5	14.7
	7 8	29 23	6.4	6.9 6.9	8.6 8.1	19.8 20.7	27.0 30.6	31 22	11.4 10.5	13.9 11.9	19.4 18.4	21.5 16.8	19.2 13.7
	9	23	5.8	7.6	45.0	27.4	31.7	21	13.1	16.1	22.5	27.1	25.5
	10	21	6.2	6.8	7.9	12.6	16.9	29	11.2	16.9	21.4	25.4	23.5
	11	18	7.2	7.7	11.5	24.6	31.5	8	16.0	20.3	39.0	34.7	28.8
	12 13	10 23	6.9 7.2	7.5 7.7	8.3 8.8	12.8 17.1	16.2 23.4	10 13	13.0 11.7	22.5 13.2	71.3 18.2	41.3 21.6	33.1 17.1
	14	19	7.0	9.8	14.7	23.4	28.5	14	12.7	17.1	23.4	18.5	6.6
	15	18	8.7	27.0	76.0	43.1	37.3	25	12.4	15.0	19.4	17.2	8.6
	16	19	6.4	7.1	8.5	12.3	17.0	24	11.9	13.2	18.4	19.4	17.5
	17 18	21 18	6.9 7.7	7.6 8.1	9.4	22.4	31.0 31.2	15 13	14.4 13.6	17.1 19.2	19.9 21.9	22.6 22.4	20.0 16.8
	19	27	6.6	7.4	13.5	24.9	32.4	25	11.3	14.9	19.0	19.9	17.9
	20	25	6.4	7.3	8.6	9.2	6.8	26	13.1	15.5	18.0	23.4	23.9
	21	17 37	6.1	7.2 7.9	9.0	12.2 20.7	15.8 27.5	31 26	12.5 12.5	16.0 14.0	19.0 21.5	22.3 26.4	20.0
	23	25	7.3	8.3	9.4	13.5	18.2	20	11.9	14.8	35.0	29.9	28.8
	24	22	7.6	8.9	14.4	22.0	27.8	17	12.2	15.0	22.5	28.2	29.3
	25	21	7.3	8.2	14.5	19.3	22.4	20	13.8	16.0	27.7	25.2	20.8
Week	26 27	21 27	7.2 7.2	9.2 8.5	14.0 11.7	17.3 13.6	22.0 14.3	29 25	13.1 12.2	14.5 14.3	17.3 25.5	19.6 30.4	18.4 31.0
>	28	29	8.4	9.9	24.6	23.2	24.4	20	10.8	13.5	18.3	23.8	25.4
	29	19	8.0	9.5	14.2	16.4	18.8	23	11.0	15.0	18.7	25.2	25.7
	30	22 17	8.6 8.0	10.0 12.2	14.6 14.5	21.4 18.1	27.4 21.8	19 15	11.8 14.3	14.3 15.8	24.7	27.2	26.7 24.0
	32	29	7.7	9.0	11.2	17.7	24.1	21	12.8	17.1	56.8	32.7	27.9
	33	19	8.1	10.4	12.8	16.8	19.7	18	12.4	15.1	19.4	24.4	23.6
	34	0	- 0.2	-	- 11.0	- 21.7	- 26.4	0	- 11.1	10 5	- 50.4	- 21.1	- 20.2
	35 36	15 17	8.2 8.7	9.0 12.2	11.0 69.8	21.7 35.1	26.4 30.8	14 23	11.1	13.5 12.7	50.4 15.9	31.1 19.1	30.3 20.8
	37	10	8.5	8.9	9.3	9.4	2.7	8	13.6	18.9	32.6	28.3	22.5
	38	9	9.3	10.0	13.2	26.5	32.3	14	10.9	12.3	23.9	26.0	24.4
	39 40	16 13	9.0	9.5 10.8	26.5 14.4	27.9 17.8	31.0 20.9	16 12	12.8 10.9	14.6 12.8	20.1 16.6	24.1	22.0 25.2
	41	11	7.9	9.0	11.2	14.6	16.7	5	12.0	13.1	13.3	16.1	7.9
	42	8	8.5	9.0	11.9	20.9	29.6	9	11.5	12.6	15.5	29.3	32.9
	43	10	8.3	10.0	12.6	17.2	15.4	9	9.9	14.2	14.7	19.3	15.4
	44 45	5 7	6.7 8.6	8.7 17.1	9.6 44.5	24.7 30.6	33.7 29.3	11 3	12.3 12.1	27.3 15.3	72.8 52.9	44.6 38.2	33.2 37.0
	46	6	8.6	11.8	44.3	25.8	23.0	7	10.4	10.7	12.0	10.8	2.2
	47	7	8.2	8.7	9.8	9.1	1.3	6	11.7	13.0	24.8	24.5	22.0
	48	1	5.8	5.8	5.8	5.8	0.0	0	-	-	-	-	-
	49 50	10	11.4 6.6	14.3 10.1	17.2 49.0	14.3 26.9	5.9 28.6	7	10.2 14.2	10.2 17.9	10.2 34.0	10.2 32.5	0.0 30.9
	51	8	7.9	8.1	8.2	16.8	23.3	8	14.6	16.2	70.2	38.7	31.6
	52	18	7.7	8.8	17.0	17.6	18.9	20	11.4	15.4	33.5	29.9	27.1
Ш	53	7	7.9	9.1	11.2	16.6	18.9	5	10.2	12.2	13.6	11.9	2.0

L	40		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			ravel Ti	me Estim	ate (hour	)
ne l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	585	5.0	5.8	7.0	10.8	15.1	552	7.7	9.3	11.7	12.9	12.4
	Jan Feb	52 73	4.6 4.4	5.2 5.0	6.1 5.8	10.0 12.3	14.6 18.8	55 60	8.1 7.9	9.8 9.8	11.8 12.3	12.5 10.7	10.7 4.8
	Mar	37	4.9	5.3	6.2	10.5	16.3	33	7.7	8.8	10.9	9.9	5.2
	Apr	35	4.9	5.6	6.8	9.1	11.6	38	7.8	9.8	14.6	17.4	17.4
	May	66	4.7	5.1	6.0	10.9	15.6	52	8.3	9.2	11.4	14.5	15.8
Month	Jun	37	5.3	6.1	7.3	11.6	15.2	29	7.2	8.9	10.8	16.4	19.2
Ž	Jul	16 38	7.6 5.2	9.1 6.3	10.9 8.6	17.3 7.5	18.4 4.0	11 26	7.9	9.5 7.9	13.0 9.5	16.3 9.8	15.2 7.2
	Aug Sep	21	6.5	7.3	10.2	15.8	18.4	20	6.8 7.1	8.4	10.5	18.8	21.8
	Oct	20	5.6	6.3	7.6	13.1	19.1	11	7.3	9.2	9.9	13.2	14.9
	Nov	36	6.0	6.7	8.4	13.8	18.4	41	7.3	8.6	12.0	12.6	12.8
Ш	Dec	154	5.4	6.1	6.8	9.0	11.8	176	7.9	9.4	11.6	11.8	9.2
	1	9	4.8	5.1	5.8	12.1	19.6	10	10.0	11.3	12.2	10.9	1.7
	3	20 12	4.6 4.4	5.2 4.9	5.8 6.3	7.8 11.3	11.4 14.1	16 11	7.2 9.1	9.3	10.6 10.6	11.1 13.3	7.2 10.8
	4	7	5.0	5.7	10.0	14.0	18.2	14	7.9	9.2	12.6	15.7	16.7
	5	4	5.6	6.0	6.2	5.8	0.7	4	7.0	9.5	11.9	9.4	2.6
	6	30	4.6	5.1	5.8	10.7	17.1	24	8.2	9.6	14.9	11.2	3.7
	7	27	4.3	5.0	6.0	15.1	21.7	14	8.3	9.3	10.6	9.0	1.8
	8 9	8	4.9 4.1	5.8 4.5	14.9 4.5	16.7 4.4	21.0 0.5	9 18	6.7 7.9	7.7 11.2	8.9 13.3	8.3 13.5	2.2 8.9
	10	15	4.1	4.5	5.5	9.0	14.4	18	7.6	9.3	10.8	9.1	2.1
	11	4	6.2	8.1	24.4	22.5	26.6	2	9.1	10.3	11.5	10.3	2.4
	12	5	5.2	5.8	11.8	18.3	23.2	3	9.6	10.9	12.0	10.8	2.0
	13	12	5.3	5.5	6.1	5.7	0.5	3	6.5	8.3	8.6	7.3	1.8
	14	7	4.3	4.7	5.2	5.0	1.1	7	6.8	9.7	12.1	9.7	3.3
	15 16	<u>6</u> 5	4.7 5.1	6.3 5.3	41.4 7.7	21.5 10.1	22.9 8.6	14	13.6 7.8	15.3 9.5	25.1 11.0	23.5 16.4	17.8 18.7
	17	13	5.6	5.8	6.3	5.8	0.8	8	9.7	12.8	35.5	24.6	21.7
	18	9	4.7	5.2	7.0	9.7	11.9	9	8.0	9.9	12.3	12.1	7.7
	19	15	4.8	5.1	5.7	12.3	18.5	14	7.3	9.5	11.9	16.9	17.9
	20	14	4.7	5.0	6.2	11.3	15.1	15	8.1	9.2	10.1	8.9	1.4
	21	9 24	4.1 4.9	4.5 5.2	5.6 6.9	4.7 11.5	0.7 16.1	11	9.3 7.4	10.6 8.6	13.8 9.5	16.0 18.9	15.6 22.2
	23	11	5.5	5.9	8.1	11.9	14.9	10	6.2	7.9	8.9	8.9	5.4
	24	10	5.3	6.4	7.0	9.9	10.8	6	8.9	10.4	11.7	18.9	21.1
	25	3	27.5	50.8	58.4	40.3	26.3	2	22.4	35.1	47.8	35.1	25.4
ek	26	10	5.3	5.6	7.0	6.1	1.2	9	8.5	8.9	10.8	21.0	23.1
Week	27 28	10 4	6.3 7.7	7.8 8.5	10.1 9.4	16.7 8.6	18.8 1.5	5 5	7.1 7.9	7.9 8.2	8.7 9.5	8.1 9.3	2.0
	29	3	6.7	7.9	9.8	8.4	2.5	1	51.0	51.0	51.0	51.0	0.0
	30	1	9.9	9.9	9.9	9.9	0.0	2	19.0	27.8	36.6	27.8	17.5
	31	4	4.8	5.2	18.6	18.2	22.7	3	6.2	6.4	8.0	7.3	1.6
	32	17	5.2	6.8	9.6	8.4	5.3	11	6.7	7.9	11.5	12.1	10.4
	33 34	10 0	5.5	6.1	8.2	7.1	2.3	7	7.2	8.3	10.0	8.4	2.4
	35	8	5.3	6.1	7.1	6.8	2.4	5	7.8	7.9	9.3	8.3	1.0
	36	1	6.9	6.9	6.9	6.9	0.0	5	8.3	9.6	13.3	21.6	24.7
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	5	7.1	8.8	37.7	24.9	23.4	5	6.6	8.3	9.6	15.1	14.9
	39 40	7 13	6.0 6.5	7.3 7.2	8.8 7.8	8.2 18.5	3.2 22.4	6 5	7.3 7.8	8.3 7.8	9.3 9.3	17.6 18.9	21.4
	41	4	5.8	6.3	6.9	6.4	1.0	3	10.1	10.9	35.5	26.8	23.6
	42	1	8.9	8.9	8.9	8.9	0.0	1	6.3	6.3	6.3	6.3	0.0
	43	5	5.7	6.0	6.1	7.5	3.4	3	8.7	9.7	9.8	9.1	1.0
	44	5	5.3	5.4	7.0	18.5	25.8	3	6.5	7.0	8.4	7.6	1.6
	45 46	3	50.8 36.4	50.8 67.0	50.8 68.5	50.8 47.6	0.0 29.6	3	6.6 8.0	6.8 8.3	7.0 8.6	6.8 8.3	0.4
	47	<u> </u>	6.8	7.0	8.4	19.3	24.7	3	6.4	6.8	8.0	7.3	1.4
	48	24	6.0	6.6	7.7	7.9	4.7	27	7.5	8.8	12.2	12.7	12.0
	49	29	5.5	5.9	6.6	6.2	1.1	35	8.5	9.5	11.9	14.9	15.4
	50	34	4.8	5.3	6.4	7.4	10.8	45	8.9	11.3	14.6	12.6	7.2
	51 52	43 29	5.7	6.3	7.3	11.5	14.7 9.6	41 45	8.2 7.7	9.4	11.5	12.7	10.7
	53	29	5.8 6.0	6.2 6.5	6.8 7.2	8.3 10.9		16		8.4	10.3 9.6	10.0 8.2	5.6 2.1
	53	22	6.0	6.5	7.2	10.9	14.6	16	6.7	8.0	9.6	8.2	2

L	41		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me (	Time F	Count	F	Percentil	е		Std.	Count	- 1	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1949	2.1	2.6	3.5	3.5	5.1 4.7	1898	2.8	3.4	4.3	3.9	3.0 2.7
	Jan Feb	170 204	2.0 1.9	2.5	3.3	3.2	3.9	176 210	2.6	3.2 3.6	4.1 4.4	3.6	1.6
	Mar	206	2.0	2.6	3.3	3.1	2.1	187	2.8	3.4	4.2	3.7	1.5
	Apr	163	2.0	2.4	3.0	3.1	4.4	160	2.7	3.3	4.1	3.5	1.1
ے	May	187	1.9	2.3	3.2	4.0	8.7	172	2.8	3.3	4.3	4.5	6.8
Month	Jun	112	2.2	2.9	4.0	4.1	6.6	99	2.7	3.4	4.5	4.2	4.0
Σ	Jul Aug	32 219	2.2	2.6	3.0	5.2 3.8	10.3 5.3	27 204	2.7	3.0 3.5	3.5 4.6	3.1	0.6 1.7
	Sep	97	2.3	2.8	3.5	3.6	5.3	82	2.9	3.6	4.3	4.4	5.9
	Oct	169	2.3	2.8	4.0	3.8	4.6	166	2.9	3.8	4.9	4.2	1.9
	Nov	207	2.3	2.9	3.9	3.5	1.9	211	2.8	3.4	4.3	3.7	1.3
H	Dec	183	2.3	2.7	3.5	3.4	4.1	204	3.0	3.5	4.3	3.8	1.4
	2	25 43	1.8 2.0	2.2	3.1	2.6	1.0 1.1	27 42	2.7	3.8	4.5 4.1	3.7	1.1
	3	21	1.8	2.2	3.0	2.4	0.6	25	2.7	3.2	4.3	3.5	0.9
	4	42	2.0	2.5	3.1	4.6	9.1	44	2.5	3.0	3.7	3.9	5.0
	5	45	2.2	2.6	3.6	3.2	1.9	47	2.5	3.2	3.8	3.3	1.5
	6	46	1.9	2.8	3.9	3.1	1.2	50	3.3	3.8	4.6	4.0	1.0
	7 8	43 60	1.9 2.1	2.3	2.8 3.5	3.7	7.5 2.7	45 61	2.7 3.2	3.2	3.9 4.6	3.4 4.1	0.9 2.3
	9	56	1.7	2.3	2.7	2.4	1.0	51	2.9	3.6	4.5	3.9	1.3
	10	56	2.0	2.6	3.4	2.9	1.2	53	2.9	3.3	4.2	4.0	2.1
	11	50	2.1	2.5	3.7	3.2	2.2	50	2.6	3.6	4.3	3.5	1.0
	12	38	2.0	2.6	3.5	3.6	3.3	31	2.6	3.0	4.5	3.6	1.2
	13	43	1.9	2.5	3.2	2.8	1.5	32	2.9	3.5	3.9	3.4	0.7
	14 15	42 22	2.3	2.7	3.4 2.7	3.5 2.5	3.2 0.7	49 16	2.7	3.3 3.5	4.0 4.2	3.6 3.6	1.3 0.9
	16	36	1.8	2.2	2.9	4.0	8.5	42	2.5	3.0	4.0	3.3	1.0
	17	50	2.0	2.3	2.9	2.5	0.8	47	2.7	3.4	4.1	3.5	1.2
	18	46	2.0	2.4	3.2	5.4	12.8	38	3.1	3.7	4.1	3.7	1.0
	19	45	2.0	2.4	3.3	3.9	7.8	40	2.6	3.3	4.5	3.6	1.1
	20	46	1.9	2.4	3.3	2.9	1.3	41	2.8	3.1	4.2	3.7	1.4
	21	34 41	1.8 2.0	2.0	2.3 3.4	2.1 4.7	0.5 9.1	35 39	2.9	3.3 3.1	3.9 3.9	4.5 6.2	5.9 12.9
	23	49	2.1	2.4	3.0	4.7	9.8	41	2.8	3.1	3.9	3.3	0.9
	24	39	2.4	3.0	4.3	3.6	1.7	38	2.7	3.2	4.5	3.8	1.7
	25	3	3.6	3.7	4.7	4.3	1.0	1	5.2	5.2	5.2	5.2	0.0
놓	26	16	3.3	4.1	4.9	4.1	1.3	12	4.7	5.6	6.6	8.4	10.0
Week	27 28	18 5	2.3	2.5	3.0	2.6	0.5 0.6	15 5	3.0 2.8	3.6 2.9	4.2 2.9	3.7 2.9	0.9
	29	6	2.4	2.7	2.8	9.5	15.5	7	2.5	3.0	3.1	2.9	0.3
	30	6	2.2	2.5	2.8	2.5	0.4	6	2.6	2.8	3.1	2.8	0.4
	31	14	2.3	2.8	3.7	5.9	11.2	10	2.4	3.2	4.0	3.2	0.9
	32	56	2.3	3.0	3.6	3.4	2.0	49	3.0	3.8	5.4	4.5	2.2
	33	51	2.2	2.8	3.6	3.0	0.9	42	3.1	3.4	4.4	3.7	1.0
	34 35	49 47	2.2	2.7	3.8 4.8	3.2 5.8	1.7	47 51	2.5	3.2	4.3 4.5	3.6	1.6 1.5
	36	18	2.3	2.6	3.1	3.0	1.2	16	3.0	3.8	4.5	4.0	1.2
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	17	2.6	3.3	3.7	6.2	12.2	19	2.8	3.3	4.8	6.4	11.8
	39	46	2.3	2.8	3.6	3.2	1.2	41	2.9	3.6	4.3	3.9	1.4
	40	42	2.3	3.0	3.8	3.6	1.9	39	2.9	4.1	5.3 4.4	4.4	1.9
	41 42	37 33	2.3	2.8	3.8 5.3	3.1 5.6	1.3 9.7	30 35	2.8 3.5	3.5 4.8	7.6	3.6 5.5	0.9 2.5
	43	40	2.5	3.0	3.9	3.6	1.7	46	2.9	3.6	4.6	3.8	1.4
	44	42	2.2	2.5	3.4	2.8	0.8	37	2.5	3.1	4.0	3.3	0.9
	45	60	2.3	3.0	4.1	3.6	2.0	47	2.8	3.2	4.2	3.5	1.1
	46	37	2.3	3.1	3.8	3.2	1.2	55	2.7	3.2	4.2	3.6	1.3
	47 48	53 46	2.2	2.8	4.3 3.8	3.6	2.2	42 52	3.2 2.8	3.9 3.5	5.2 4.3	4.3 3.7	1.6
	48	46 39	2.5	2.9	2.6	3.5 2.6	0.7	42	2.8	3.5	4.3	3.4	0.7
	50	44	2.0	2.5	3.7	2.9	1.1	48	2.9	3.6	4.9	3.9	1.4
	51	41	2.4	3.0	3.5	4.1	6.6	44	3.0	3.4	4.0	3.7	1.6
	52	43	2.3	3.0	4.0	3.5	1.8	54	3.1	3.7	4.8	4.1	1.5
Ш	53	22	2.3	2.6	3.3	4.3	6.5	22	2.9	3.5	4.2	3.5	1.0

L	42		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	·)
me L	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1772	5.3	6.2	8.2	8.6	8.4	1742	8.3	10.0	12.0	11.0	6.2
	Jan Feb	173 199	5.0 4.8	6.0 5.5	9.4 8.6	9.5 8.3	9.5 6.6	178 205	8.4 8.3	10.2 10.2	12.0 12.9	10.6 11.0	4.2
	Mar	203	5.0	5.5	7.3	8.3	8.2	182	8.5	10.2	12.0	10.9	4.9
	Apr	159	5.0	5.7	7.5	7.3	6.0	154	8.0	9.8	11.7	10.2	2.8
ا ـ ا	May	181	4.8	5.3	6.5	6.4	3.4	179	8.8	10.5	12.5	11.4	6.5
Month	Jun	129	5.6	6.3	7.9	9.9	12.2	119	8.3	9.8	12.1	11.8	10.2
Σ	Jul Aug	48 218	5.8 5.7	6.4 6.7	9.4 7.9	7.5	14.6 3.4	63 209	8.6 8.0	9.6 9.8	12.1 11.3	12.7 9.8	12.3 2.5
	Sep	48	6.2	7.4	10.0	13.0	14.1	32	8.0	9.3	11.2	14.8	14.3
	Oct	45	6.6	7.9	17.6	15.9	15.0	45	8.3	10.2	12.6	14.2	12.4
	Nov	177	5.9	6.8	9.8	9.1	7.1	167	8.0	9.3	10.9	10.2	4.2
	Dec	192	5.4	6.2	7.3	8.5	8.5	209	8.5	10.2	12.2	11.1	5.0
	2	26 44	4.8 5.1	5.1 6.1	8.1 10.9	8.4 12.1	6.5 15.1	25 39	8.4 8.6	9.8 10.2	11.4 12.0	9.9 10.6	2.0 3.1
	3	22	4.7	5.4	9.2	7.5	4.3	30	8.8	11.3	12.6	10.9	2.7
	4	42	5.1	5.9	10.0	9.3	7.1	42	8.7	10.5	12.0	11.7	7.1
	5	43	6.0	6.8	9.1	9.0	6.1	52	8.3	9.5	11.5	10.0	2.7
	6	47	5.0	6.2	9.0	8.7	6.5	46	8.8	10.6	13.1	11.1	2.9
	7 8	44 57	4.9 5.1	5.6 5.6	9.8 8.2	9.3	7.9 6.7	50 55	7.9 8.2	9.3 10.3	12.3 13.1	10.7 11.6	4.4 5.2
	9	56	4.4	4.9	5.7	6.4	4.4	48	8.6	10.8	12.3	10.7	2.5
	10	53	4.8	5.3	8.8	7.9	5.7	52	8.6	10.5	12.0	10.7	3.1
	11	49	5.1	5.7	6.9	10.1	13.9	51	8.4	10.3	13.1	12.0	8.0
	12	39	5.1	5.7	7.8	7.2	3.3	27	8.9	10.3	11.6	10.4	2.2
	13 14	41 44	5.2 4.7	5.7 5.4	6.8	8.0 7.4	5.4 4.9	31 48	9.0 7.9	9.9 10.3	11.3 12.2	10.3	2.7 3.1
	15	16	4.6	5.1	6.0	9.7	15.9	15	8.4	10.5	13.7	10.8	3.0
	16	34	4.9	5.4	8.7	6.9	3.1	38	7.7	10.3	11.2	10.0	2.8
	17	51	5.3	5.9	7.0	6.6	2.2	48	8.4	9.5	11.4	9.9	2.3
	18 19	47 46	5.3 4.8	6.0 5.2	7.2	7.2 6.1	3.7 2.4	41 49	9.2 8.3	9.9 10.7	12.4 13.5	10.6	2.7 3.9
	20	42	5.0	5.3	6.5 6.5	6.6	3.3	37	8.3	10.7	11.8	11.1 11.4	8.0
	21	34	4.6	5.0	6.2	6.7	5.2	36	9.4	10.9	13.1	12.7	10.5
	22	38	5.3	6.0	6.5	6.5	2.5	38	9.1	10.2	10.9	10.5	3.2
	23	51	5.6	6.2	8.8	8.3	6.5	45	8.5	10.3	12.2	11.9	9.7
	24 25	48	5.7 6.8	6.5 10.0	7.5 27.8	10.7 24.6	14.8 27.9	39 11	8.0 9.8	8.8 12.8	11.0 13.8	9.2 17.2	1.9 18.3
	26	21	5.5	6.1	7.6	9.5	10.7	22	8.4	10.0	12.4	13.2	12.8
Week	27	21	5.4	5.8	6.8	9.7	15.2	17	9.2	11.6	19.4	21.2	21.2
>	28	9	6.4	6.9	11.7	8.5	2.5	13	7.8	9.2	10.3	9.9	3.1
	29	11	5.9	9.2	10.3	17.0	20.6	14	8.9	9.9	11.7	10.3	2.6
	30	9	6.2	6.8	7.0	9.0 7.1	3.7 2.4	8 25	8.0 7.6	8.3 9.2	9.3 10.5	8.7 9.2	1.8 2.0
	32	56	6.0	7.1	8.3	7.8	3.3	50	7.7	10.2	11.5	10.2	2.8
	33	47	5.7	6.6	7.3	7.4	3.9	39	8.5	10.8	12.1	10.3	2.3
	34	53	5.6	6.4	7.9	7.5	3.2	48	8.1	10.0	10.7	9.7	2.3
	35	49 17	5.6	6.7	7.8	7.4	3.2	54 19	7.8	9.3	11.2	9.6	2.4
	36 37	0	6.2	6.4	7.4	7.2	2.1	18 0	8.8	9.6	10.9	11.7	9.6
	38	4	6.3	7.0	7.4	6.7	1.0	3	10.3	12.5	36.8	27.2	24.0
	39	20	7.6	9.4	27.0	19.8	18.2	11	9.2	9.8	11.3	16.3	14.1
	40	11	5.6	6.8	7.0	9.5	10.3	9	7.1	8.9	25.9	18.8	17.6
	41 42	16 4	6.5 15.7	7.1 27.6	12.9 39.4	17.0 27.5	18.8 14.2	13 3	8.3 10.2	9.4	11.3 12.7	12.2 11.6	6.7 2.1
	42	12	7.6	10.7	18.9	16.6	13.3	16	7.6	10.8 9.5	11.1	12.4	11.9
	44	14	6.5	7.0	8.7	10.3	6.8	10	8.1	10.6	13.1	14.0	11.7
	45	30	6.6	7.5	13.3	13.5	13.4	10	8.6	9.6	11.9	13.3	10.4
	46	38	6.2	6.5	8.1	8.0	3.7	59	7.9	9.2	10.6	9.4	2.3
	47 48	53 47	5.6 5.9	6.8	9.8	8.6	5.1 4.4	42	8.7	9.6	11.7	11.2	4.7
	48	47	5.9	6.7 6.2	8.2 7.2	8.1 8.5	7.3	50 44	7.9 8.4	8.9 9.8	11.2 11.8	9.8	2.6 3.5
	50	46	4.9	5.3	6.0	6.5	3.6	48	9.1	10.8	14.0	12.0	4.7
	51	46	5.8	6.4	7.5	7.8	6.2	45	8.8	9.8	11.6	10.9	4.1
	52	39	5.8	6.3	7.1	10.9	12.9	53	8.5	10.2	11.8	11.5	7.1
Ш	53	25	5.7	6.3	7.3	9.8	10.0	25	7.4	9.2	10.0	9.0	2.0

L	43		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me	Time I	Count		Percentil		†	Std.	Count		Percentil			Std.
Έ Y			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Y	2014 Jan	2154 244	2.1	2.6	3.7	3.5	3.9 4.9	2144 242	2.7	3.3	4.6 4.6	4.4	4.0
	Feb	231	2.0	2.6	3.7	3.5	2.7	235	2.8	3.4	4.7	4.7	3.7
	Mar	225	1.9	2.4	3.2	3.1	2.4	208	2.7	3.3	4.6	4.0	1.9
	Apr	179	2.0	2.4	3.5	3.6	5.9	178	2.6	3.2	4.0	3.9	3.8
£	May Jun	201	2.0	2.4	3.6	3.0	1.5 3.8	201	2.7	3.3	4.8	4.5 4.3	3.4 5.1
Month	Jul	191	2.3	2.9	3.9	3.4	1.7	186	2.8	3.4	4.7	4.1	2.3
	Aug	233	2.2	2.7	3.5	3.1	1.5	222	2.8	3.7	4.8	4.2	2.2
	Sep	20	2.5	3.0	5.5	3.9	1.8	28	3.1	3.8	4.8	4.3	2.0
	Oct	28	2.9	4.4	6.9 4.0	11.5 3.6	16.1 2.5	31 180	3.3	4.3	5.0	8.2 4.4	15.5 2.2
	Nov Dec	176 209	2.3	2.9 2.5	3.5	3.4	3.6	223	2.9	3.8	5.3 4.3	4.4	3.1
	1	35	1.9	2.3	3.9	2.9	1.2	28	2.5	3.2	6.0	4.4	2.9
	2	65	2.0	2.8	3.9	3.9	5.1	69	2.6	3.3	4.7	5.1	5.0
	3	52	2.0	2.2	3.0	2.8	1.6	50	2.6	3.2	3.8	4.1	2.9
	4 5	46 49	1.9	2.3 3.7	2.8	2.8 5.9	1.8	51 55	2.3	3.0	4.1 4.4	5.1 4.3	7.9
	6	56	3.0 2.0	2.7	5.3 4.3	3.8	8.4 2.8	55 52	3.1	3.4	4.4	4.3	2.8 4.0
	7	52	2.3	2.6	3.7	3.4	2.2	57	2.6	3.2	4.6	5.2	4.9
	8	65	2.3	2.9	4.2	3.8	2.3	65	2.9	3.5	5.1	4.5	2.7
	9	62	1.8	2.2	2.8	3.0	3.1	57	2.7	3.1	4.6	4.3	3.0
	10	57 53	1.8 2.1	2.3	3.0	2.9 3.5	1.7 2.9	53 56	2.6	3.2	4.1	3.8 4.3	2.0
	12	44	2.1	2.0	3.3	3.1	2.9	35	2.7	3.4	5.1 4.2	3.8	1.8
	13	52	2.0	2.7	3.7	3.3	2.9	41	3.1	3.6	5.0	4.2	1.6
	14	51	2.0	2.3	3.2	3.3	2.4	54	2.7	3.4	4.0	3.7	1.4
	15	17	1.7	2.3	2.9	5.5	12.8	21	2.6	3.0	3.8	5.2	9.4
	16 17	37	1.9	2.2	4.3	4.4	8.8	43	2.3	2.9	3.5	3.2	1.2
	18	56 51	2.2	2.6	3.6	2.9 3.1	1.1 1.9	50 47	2.7	3.5 3.2	5.0 3.8	4.4 3.7	2.5
	19	55	2.0	2.3	3.7	3.0	1.5	55	2.8	3.4	5.0	5.1	4.1
	20	46	1.8	2.5	3.4	3.0	1.7	42	2.3	3.1	4.2	3.7	2.1
	21	35	1.9	2.3	3.1	2.9	1.7	41	2.8	3.3	5.0	4.9	3.9
	22	44 55	2.1	2.9 2.5	3.7	3.2 2.8	1.3 1.1	42 50	2.9	3.4	4.8 4.2	4.5 3.9	3.2 2.0
	24	59	2.0	2.4	3.1	2.7	1.0	53	2.7	3.2	4.0	3.8	2.0
	25	42	2.0	2.4	3.3	2.8	1.4	59	2.5	3.1	3.9	3.7	1.8
¥	26	49	2.1	2.5	3.4	3.8	7.1	40	2.7	3.2	4.3	5.8	10.2
Week	27	38	2.0	2.4	2.9	3.5	3.5	31	2.7	3.2	3.8	4.5	4.8
	28 29	54 45	2.4	2.9	3.8	3.3	1.5 1.6	48 51	2.7	3.3	4.5 4.6	4.1 4.2	2.4
	30	35	2.5	3.1	3.6	3.2	0.9	32	2.7	3.6	5.1	4.0	1.8
	31	44	2.3	3.3	5.4	4.0	2.0	45	2.8	3.6	4.9	4.1	1.9
	32	56	2.3	3.2	4.4	3.5	1.6	53	3.3	4.2	5.7	4.6	2.1
	33	52 52	2.1	2.8	3.5	3.0	1.3	41 47	2.9	3.7	4.1	3.9	1.6
	34 35	52 55	2.1	2.3	3.2	2.9 3.1	1.4 1.7	47 59	2.8 3.0	3.2	4.3 5.4	4.1 4.5	3.1 2.1
	36	18	2.6	2.8	5.3	3.6	1.5	23	3.0	3.8	4.8	4.4	2.1
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	3	6.3	6.6	6.8	6.6	0.4	7	3.5	3.7	4.5	4.2	1.2
	39 40	3 1	2.5	3.2 2.1	3.2 2.1	2.7	0.7	5 2	2.7	4.1 2.5	4.8 2.8	3.9 2.5	1.2 0.6
	41	11	3.3	4.8	5.9	5.7	3.9	10	3.5	4.5	5.0	4.4	1.1
	42	2	10.4	17.6	24.8	17.6	14.4	3	3.2	3.2	37.1	25.8	32.0
	43	6	2.2	2.8	5.6	11.7	19.0	8	2.9	3.5	4.2	3.6	0.7
	44	9	3.1	4.4	33.8	17.0	20.5	10	4.3	4.9	5.3	10.5	17.7
	45 46	19 46	2.1	2.5 3.1	3.8 4.1	3.0	1.0	9 64	3.2	3.5 4.5	3.9 5.6	4.4	2.6 1.7
	46	50	2.7	2.9	4.1	4.0	3.1	44	2.8	3.3	4.7	4.7	2.2
	48	57	2.2	2.9	3.8	3.7	3.0	55	2.9	3.8	5.7	4.4	2.3
	49	42	2.0	2.3	3.1	3.7	5.9	47	2.7	3.1	3.9	3.4	1.4
	50	55	1.9	2.5	3.7	3.0	1.5	55	2.9	3.8	4.9	4.3	2.3
	51	50	2.3	2.7	3.8	3.9	4.1	44 54	2.9	3.2	4.4	4.3	4.2
	52 53	38 28	2.2 1.8	2.8	3.5 2.9	3.2	1.4 2.3	54 31	2.8	3.2	4.4 4.1	4.3 3.6	4.0 1.5
ш	JJ	20	1.0	۷.ن	۷.۵	5.5	۷.۵	JI	۷.1	5.5	4.1	3.0	1.0

L	44		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	ravel Ti	ne Estim	ate (hour	)
me (	Time F	Count	F	Percentil	е		Std.	Count	F	ercentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1878	5.5	6.9	10.7	9.4	7.2 8.5	1868	8.8	10.8	14.1	12.5	6.5 6.4
	Jan Feb	210 197	5.1 5.0	6.6 6.1	11.6 11.8	10.1 9.9	8.8	207 199	9.0 9.2	10.9 10.9	14.7 14.4	13.0 13.1	6.6
	Mar	188	5.2	6.2	9.8	8.8	6.2	179	9.0	10.7	13.7	11.8	4.3
	Apr	148	5.3	6.5	10.5	9.8	9.0	147	8.7	10.5	14.1	12.9	8.1
ے	May	167	4.7	5.7	8.3	7.6	6.4	169	9.2	10.4	14.1	12.3	5.2
Month	Jun	172	5.8	7.0	10.5	9.1	5.5 3.7	171	8.7	10.7	13.7	13.3	9.8
2	Jul Aug	164 200	6.2	7.4 7.5	10.3	8.8 8.9	4.2	150 195	8.5 8.6	10.8	13.2 13.6	11.8 11.8	4.8
	Sep	32	6.2	7.5	9.8	12.1	15.6	39	9.0	11.2	13.1	11.5	3.6
	Oct	53	6.4	7.2	13.7	12.9	12.4	51	9.3	12.6	18.6	15.9	11.1
	Nov	160	6.2	7.2	11.0	9.1	4.7	168	8.4	10.0	13.3	11.5	4.9
H	Dec	187	5.7	7.2	11.4	9.6	7.1	193	9.1	11.0	15.3	13.2	6.1
	2	32 54	4.8 4.9	5.4 6.5	10.4 10.6	9.5	8.8 8.9	24 52	8.7 8.7	10.1 11.0	13.5 17.1	12.3 14.0	6.4 8.1
	3	45	5.1	6.0	10.4	9.0	6.3	47	8.8	11.1	13.9	12.5	5.3
	4	40	4.7	6.3	8.9	8.1	5.3	46	9.1	11.1	14.5	12.9	5.6
	5	41	7.2	10.6	16.4	14.7	11.1	47	9.0	10.2	13.6	12.3	5.6
	6	46	5.5	7.8	12.8	10.6	8.1	42	11.0	12.2	17.2	16.1	9.7
	7 8	45 54	5.0 5.3	5.9 6.2	12.4 11.3	10.0 9.9	7.4 10.5	50 50	8.5 8.4	10.3	16.6 12.5	12.5 11.4	5.1 3.9
	9	57	4.6	5.0	7.0	8.4	7.8	54	9.9	11.3	13.6	13.4	6.1
	10	48	5.2	6.7	10.5	8.9	5.5	44	9.1	10.7	14.1	12.4	4.8
	11	44	5.3	6.1	8.3	8.3	6.3	50	8.6	10.7	12.5	11.2	3.7
	12	35	5.5	6.6	10.6	10.2	8.5	27	9.2	10.5	13.7	12.0	4.1
	13	43	5.3	6.3	10.1	8.9	5.5	37	9.4	10.7	14.1	11.7	4.1
	14 15	45 11	5.3 4.8	5.8 6.0	11.6 23.7	8.7 18.1	5.4 21.3	46 16	8.3 9.6	10.9 11.8	14.1 14.6	12.5 18.7	5.4 18.5
	16	28	4.8	6.0	10.1	8.1	5.3	35	8.5	9.4	12.8	10.7	3.4
	17	48	5.8	6.3	10.7	9.7	8.0	41	8.7	9.8	16.5	12.7	6.1
	18	44	5.6	7.2	10.3	9.0	6.0	43	9.5	11.6	14.8	12.8	4.9
	19	50	4.7	5.6	7.3	6.9	3.6	47	9.2	10.1	13.8	11.9	4.2
	20	35	4.8	5.6	8.5	9.1	11.7	35	8.7	9.4	12.9	11.5	5.0
	21	29 36	4.7 5.2	5.3 6.2	6.3 8.7	6.2 7.5	2.5 3.2	34 34	9.5 9.2	11.5 10.8	14.2 13.2	13.4 12.1	7.5 4.3
	23	44	5.9	6.5	10.2	9.2	5.9	36	8.8	10.7	13.1	12.6	7.6
	24	47	6.0	7.5	12.3	9.6	5.2	46	8.9	10.6	13.3	12.7	6.3
	25	38	5.6	7.3	10.1	9.3	6.4	49	8.6	11.3	14.2	11.7	4.5
놓	26	36	5.1	6.9	10.3	8.4	4.6	32	8.5	10.6	12.7	16.6	17.6
Week	27 28	32 43	5.5 6.2	6.8 8.3	8.5 10.7	9.0	3.9 3.4	26 42	9.0	10.9 11.1	13.5 12.9	13.0 11.6	7.2 4.4
	29	41	6.3	7.3	9.5	8.5	3.4	40	8.4	9.8	13.0	11.3	4.4
	30	27	6.5	7.4	10.3	9.4	4.1	27	9.8	11.3	13.8	13.0	6.6
	31	39	6.7	8.0	10.7	9.0	3.6	40	8.4	10.2	12.4	12.2	7.4
	32	48	5.9	7.8	10.6	8.8	3.8	44	9.0	11.8	14.3	12.3	3.8
	33	44	6.1	7.9	11.0	9.3	4.1	34	8.5	10.9	13.3	11.4	3.7
	34 35	46 49	6.1	7.2 7.4	10.3 11.1	8.9 9.1	4.7 4.7	40 55	8.2 9.1	10.0	12.4 13.6	10.6 12.0	3.0 4.6
	36	11	6.2	7.3	7.8	7.6	1.9	20	10.0	12.4	14.6	12.6	3.9
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	3	5.6	6.2	38.7	27.5	30.9	5	9.1	10.6	10.6	9.8	1.1
	39	14	6.9	8.0	9.7	13.1	16.5	15	9.4	11.7	12.5	11.2	3.1
	40	8 16	6.2	7.1 6.9	7.9 9.9	8.1 11.8	3.0 13.1	5 11	7.7 8.4	8.4 13.7	12.8 15.0	22.2 12.9	26.8 5.1
	42	5	6.2	6.9	11.3	11.1	8.5	13	9.8	17.7	23.4	18.4	8.7
	43	16	6.4	8.6	13.5	15.5	15.5	13	8.6	11.8	18.3	14.4	7.7
	44	14	7.0	9.2	14.6	12.7	8.2	14	9.2	11.3	16.4	13.2	4.9
	45	23	6.4	7.4	11.3	9.7	5.5	15	8.1	10.6	15.5	13.4	8.3
	46	40	6.5	7.6	11.7	9.7	5.5	54	8.5	9.7	12.2	10.9	3.7
	47 48	42 52	5.9 6.1	7.1 6.9	10.5 9.5	8.5 8.6	3.7	38 47	8.4 8.4	9.7	11.9 16.3	10.4 12.6	3.4 5.1
	49	37	6.3	7.7	13.7	10.1	5.4	46	9.5	11.3	16.6	13.2	5.6
	50	47	5.2	5.7	12.0	8.4	4.7	45	9.8	12.8	18.6	14.5	5.7
	51	45	6.7	7.7	10.8	10.7	9.9	40	8.9	10.4	13.9	13.7	8.2
	52	34	6.0	6.8	10.2	10.2	8.3	48	9.0	10.4	13.1	11.8	4.3
Ш	53	27	5.8	7.8	9.2	8.6	4.1	27	8.0	9.6	12.8	11.6	5.4

L	45		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	е	•	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2115	0.8	0.9	1.3	1.7	1.9 1.9	2119	1.1	1.3	1.7	1.7	1.3
	Jan Feb	208 194	0.7	0.8	1.1	1.6 1.7	2.0	207	1.2	1.3	1.8 1.9	1.8 2.0	1.8
	Mar	195	0.7	0.8	1.1	1.7	2.1	183	1.1	1.3	2.0	1.9	1.5
	Apr	149	0.7	0.8	0.9	1.4	1.7	163	1.1	1.4	1.8	1.7	1.2
_	May	171	0.7	0.8	1.0	1.5	2.0	179	1.1	1.3	1.7	1.6	1.0
Month	Jun	177	0.8	0.9	1.2	1.6	1.8	175	1.1	1.2	1.5	1.5	0.9
Ž	Jul	178 207	0.8	1.0	1.5	1.7	1.8 1.6	159 203	1.0	1.2	1.6 1.5	1.6 1.5	1.1 0.9
	Aug Sep	76	0.8	1.0	2.1	1.0	2.1	80	1.0	1.2	1.4	1.4	0.9
	Oct	153	0.8	0.9	2.1	1.8	1.7	156	1.1	1.2	1.6	1.8	1.8
	Nov	206	0.8	0.9	1.2	1.7	2.0	207	1.0	1.2	1.6	1.7	1.3
	Dec	201	0.8	0.9	1.3	1.8	2.2	202	1.1	1.3	1.9	1.8	1.4
	1	30	0.7	0.8	1.3	1.5	1.6	28	1.2	1.3	1.8	1.7	1.0
	2	51 44	0.7	0.8	1.0	1.5 1.7	1.7 1.8	45 47	1.2	1.4	1.7	2.0 1.6	1.7 0.6
	4	43	0.7	0.8	1.0	1.8	2.4	51	1.1	1.3	1.7	1.8	1.4
	5	43	0.8	1.0	1.1	1.6	1.8	44	1.0	1.2	1.7	1.7	1.4
	6	45	0.8	0.8	1.2	1.9	2.4	47	1.2	1.4	2.0	2.4	2.5
	7	47	0.7	0.8	1.0	1.3	1.3	48	1.1	1.3	1.6	1.8	1.4
	8	54 58	0.7	0.8	2.5	1.9	2.0	53	1.1	1.3	1.7	2.0	1.8
	10	44	0.6	0.7	0.8 2.7	1.5 2.1	1.8 2.5	56 43	1.3	1.7	2.1 1.8	2.0 1.8	1.3
	11	44	0.8	0.8	2.1	1.9	2.3	47	1.2	1.5	1.9	2.0	1.4
	12	36	0.7	0.8	1.2	1.9	2.3	30	1.2	1.4	2.8	2.3	1.7
	13	44	0.7	0.8	1.0	1.4	1.6	40	1.1	1.3	1.7	1.8	1.3
	14	46	0.7	0.8	0.8	1.2	1.4	47	1.1	1.3	2.1	1.7	0.9
	15 16	15 26	0.6	0.8	2.4 0.8	1.9	2.2 1.6	29 37	1.2	1.5	2.2 1.7	2.0 1.9	1.3
	17	51	0.8	0.8	1.0	1.4	1.7	42	1.0	1.2	1.6	1.5	0.8
	18	45	0.7	0.8	1.1	1.6	1.6	42	1.2	1.4	1.6	1.6	0.8
	19	50	0.7	0.7	0.9	1.5	2.0	51	1.2	1.3	1.8	1.8	1.3
	20	39	0.7	0.8	0.8	1.2	1.3	46	0.9	1.2	1.5	1.4	0.7
	21	25 37	0.7	0.8	1.2 0.9	2.0 1.4	2.7 1.8	33 31	1.3	1.6	1.8 1.7	1.8 1.5	1.1 0.6
	23	45	0.8	0.8	1.4	2.0	2.2	38	1.1	1.3	1.7	1.6	1.1
	24	47	0.8	0.8	1.1	1.5	1.7	46	1.1	1.2	1.4	1.5	0.8
	25	39	0.8	1.0	1.6	1.7	1.8	47	1.1	1.2	1.5	1.5	1.1
¥	26	38	0.7	0.9	1.1	1.3	1.4	35	1.0	1.3	1.5	1.4	0.5
Week	27 28	33 44	0.8	0.8 1.0	1.2	1.4	1.2 1.5	28 43	1.1	1.2	1.4 1.5	1.6 1.5	1.0
	29	43	0.8	0.9	1.7	1.8	1.8	43	1.0	1.2	1.3	1.4	1.1
	30	31	0.8	1.0	1.4	2.0	2.4	31	1.1	1.3	1.5	1.4	0.9
	31	44	0.8	1.0	1.3	1.6	1.6	43	1.0	1.3	1.7	1.5	0.8
	32	52	0.8	1.0	1.2	1.5	1.4	46	1.0	1.2	1.5	1.5	0.8
	33	44	0.8	1.0	1.8	1.7	1.8	35 40	1.0	1.3	1.5	1.6	1.2
	34 35	48 49	0.8	1.0 0.9	1.1	1.7	1.8 1.6	40 58	1.0	1.2	1.5 1.8	1.4 1.6	0.8
	36	12	0.9	1.0	2.8	2.2	2.3	22	0.9	1.1	1.2	1.3	0.7
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	18	0.8	1.0	1.4	1.6	1.5	16	1.1	1.2	1.4	1.3	0.3
	39	37	0.8	1.0	2.3	2.1	2.2	33	1.0	1.3	1.4	1.5	1.0
	40	30 29	0.8	1.0	2.5 1.7	2.0 1.9	1.9 1.8	42 23	1.0	1.2	1.6 1.4	1.9 1.8	2.1 1.8
	42	38	0.8	0.9	2.3	1.9	1.7	36	1.0	1.2	1.4	1.6	1.3
	43	36	0.8	0.9	2.3	1.9	1.8	37	1.2	1.4	1.9	1.7	1.1
	44	40	0.8	1.0	1.4	1.6	1.4	40	1.1	1.3	1.6	1.9	1.8
	45	57	0.8	0.9	1.1	1.4	1.5	48	0.9	1.2	1.4	1.7	1.8
	46 47	44 47	0.8	0.9	1.2	1.7	1.8 2.1	51 43	1.0	1.2	1.6 2.0	1.5 2.1	0.7 1.8
	48	47	0.8	0.9	1.4	2.1	2.1	46	1.1	1.3	1.7	1.5	0.7
	49	39	0.8	0.9	1.6	2.0	2.3	43	1.1	1.3	1.5	1.5	0.7
	50	43	0.7	0.8	0.8	1.6	2.2	43	1.2	1.7	2.1	2.0	1.3
	51	47	0.8	0.9	2.5	2.1	2.3	42	1.2	1.3	2.0	2.0	1.4
	52 53	48 29	0.8	0.9	1.4	1.8	1.9	54 32	1.0	1.2	1.5	1.6	1.4
	ექ	29	0.8	0.9	1.1	1.7	2.1	ა∠	1.1	1.4	2.1	2.0	1.7

L	46		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me l	Time F	Count	F	Percentil	е	+	Std.	Count	- 1	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2232	0.9	1.1	1.2	1.2	0.8	2210	1.3	1.4	1.7	1.6	0.9
	Jan Feb	228	0.8	1.0 0.9	1.2	1.2 1.2	1.1	221	1.3	1.5 1.5	1.7 1.7	1.6 1.6	0.5
	Mar	211	0.8	1.0	1.1	1.1	0.8	203	1.3	1.5	1.7	1.6	0.9
	Apr	164	0.8	1.0	1.1	1.1	1.2	170	1.3	1.5	1.7	1.8	1.6
ے	May	182	0.8	0.9	1.1	1.0	0.5	189	1.3	1.5	1.7	1.7	1.0
Month	Jun	180	0.9	1.1	1.2	1.1	0.3	178	1.3	1.4	1.6	1.5	0.9
Σ	Jul Aug	185 212	1.0	1.2 1.1	1.3	1.2	0.4	166 209	1.2	1.4 1.4	1.6 1.7	1.5 1.5	1.0
	Sep	80	1.0	1.2	1.3	1.2	0.3	76	1.2	1.3	1.6	1.5	0.6
	Oct	159	1.0	1.2	1.3	1.3	0.6	160	1.2	1.4	1.6	1.5	0.7
	Nov	218	1.0	1.2	1.3	1.2	0.7	218	1.2	1.3	1.6	1.5	0.5
	Dec	210	1.0	1.1	1.2	1.2	0.8	209	1.3	1.4	1.7	1.6	0.7
	2	33 59	0.9	0.9 1.0	1.1	1.2 1.4	1.4 1.2	30 51	1.4	1.5 1.5	1.6 1.7	1.6 1.5	0.3
	3	47	0.8	1.0	1.1	1.1	0.6	51	1.3	1.5	1.7	1.7	0.9
	4	45	0.8	0.9	1.1	1.0	0.2	48	1.3	1.6	1.8	1.6	0.4
	5	47	1.0	1.2	1.3	1.2	0.3	49	1.2	1.3	1.6	1.6	1.3
	6	43	0.8	1.0	1.2	1.3	1.3	47	1.3	1.6	1.9	1.8	0.8
	7 8	52 56	0.8	0.9 1.0	1.0	1.1	0.6 1.0	51 55	1.3	1.5 1.4	1.7 1.6	1.6 1.5	0.4
	9	61	0.9	0.8	0.9	1.1	1.4	58	1.4	1.4	1.0	1.7	0.3
	10	51	0.8	0.9	1.1	1.0	0.3	49	1.3	1.5	1.7	1.7	1.2
	11	49	0.8	1.0	1.1	1.2	1.3	53	1.3	1.5	1.7	1.6	0.5
	12	37	0.8	1.0	1.2	1.2	1.0	33	1.3	1.4	1.7	1.7	1.4
	13	47	0.8	1.0	1.2	1.0	0.2	43	1.2	1.4	1.6	1.5	0.7
	14 15	51 19	0.8	0.9	1.0	1.2 1.5	1.6 2.4	54 26	1.4	1.5 1.7	1.9 2.0	2.0	2.0 1.5
	16	28	0.8	0.9	1.0	1.0	0.2	38	1.3	1.4	1.6	1.4	0.3
	17	54	0.9	1.0	1.2	1.1	0.3	43	1.2	1.4	1.6	1.7	1.8
	18	48	0.8	1.0	1.1	1.0	0.2	46	1.3	1.5	1.7	1.6	0.3
	19	55	0.8	0.9	1.0	0.9	0.2	54	1.4	1.5	1.7	1.7	1.0
	20	39	0.8	0.9	1.1	1.0	0.4	46	1.3	1.4 1.7	1.6	1.7	1.0
	21	27 40	0.8	0.9 1.0	1.0	1.1	0.9	34 35	1.5	1.7	1.8 1.6	2.0 1.5	1.6 0.3
	23	45	1.0	1.1	1.2	1.1	0.4	40	1.3	1.4	1.7	1.5	0.6
	24	49	0.9	1.1	1.2	1.1	0.4	46	1.2	1.3	1.5	1.4	0.2
	25	39	1.0	1.1	1.3	1.1	0.2	47	1.2	1.4	1.6	1.6	1.5
놓	26	39	0.9	1.1	1.2	1.1	0.2	35	1.2	1.4	1.7	1.6	0.9
Week	27 28	30 46	0.9 1.0	1.1 1.2	1.1	1.1	0.2	28 47	1.3	1.5 1.4	1.6 1.6	1.5 1.6	0.3 1.0
	29	46	1.0	1.2	1.3	1.3	0.4	44	1.3	1.4	1.5	1.5	0.7
	30	36	1.1	1.2	1.4	1.2	0.3	32	1.1	1.4	1.6	1.4	0.5
	31	44	0.9	1.2	1.4	1.2	0.4	44	1.2	1.3	1.7	1.7	1.8
	32	52	1.0	1.1	1.3	1.1	0.2	46	1.2	1.4	1.7	1.5	0.4
	33	44	1.0	1.1	1.3	1.2	0.2	39 40	1.1	1.4	1.6	1.4	0.3
	34 35	49 52	1.0	1.1	1.3	1.3	1.1	40 58	1.1	1.4 1.4	1.7 1.7	1.6 1.5	0.8
	36	16	1.1	1.2	1.3	1.5	1.2	20	1.1	1.4	1.5	1.4	0.3
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	19	1.0	1.1	1.3	1.1	0.2	16	1.1	1.3	1.5	1.5	0.9
	39	37	1.1	1.2	1.3	1.2	0.3	32	1.2	1.3	1.6	1.5	0.5
	40	31	1.0	1.2	1.5	1.3	0.4	42 24	1.2	1.3	1.5 1.7	1.4	0.3
	42	40	1.0	1.1	1.2	1.3	0.8	37	1.2	1.4	1.7	1.5	0.4
	43	38	1.1	1.2	1.2	1.1	0.2	40	1.3	1.4	1.8	1.7	1.1
	44	40	1.1	1.2	1.3	1.3	0.8	39	1.2	1.4	1.5	1.5	0.5
	45	61	1.0	1.1	1.3	1.2	0.6	54	1.1	1.3	1.6	1.3	0.4
	46	49	1.0	1.2	1.3	1.3	1.3	54 45	1.2	1.4	1.6	1.5	0.6
	47 48	49 46	1.0	1.1 1.2	1.3	1.1	0.2	45 46	1.2	1.3	1.6 1.5	1.5 1.5	0.4
	49	46	1.0	1.2	1.3	1.6	1.6	45	1.2	1.4	1.5	1.4	0.4
	50	43	0.8	0.9	1.0	1.0	0.2	45	1.4	1.7	2.0	1.9	1.1
	51	50	1.0	1.2	1.3	1.2	0.2	45	1.3	1.4	1.7	1.5	0.3
	52	50	1.0	1.1	1.2	1.2	0.5	56	1.2	1.4	1.5	1.5	0.6
Ш	53	28	0.9	1.1	1.3	1.1	0.3	30	1.2	1.3	1.6	1.4	0.5

L	47		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	·)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1897 196	2.1	2.6	3.4	3.6	4.2	1865 189	2.7	3.2	4.1 4.1	3.8	3.1 2.9
	Feb	179	2.2	2.7	3.7	3.4	3.1	184	2.8	3.3	4.1	4.1	2.9
	Mar	184	2.0	2.6	3.3	3.2	2.5	174	2.6	3.0	3.8	3.4	1.5
	Apr	133	2.0	2.3	3.3	3.4	3.1	134	2.7	3.2	4.0	4.3	4.4
ے	May	154	1.9	2.3	3.0	3.8	6.2	156	2.7	3.1	3.6	3.7	4.3
Month	Jun Jul	162 156	2.0	2.4	3.0	3.0	4.1 2.4	158 143	2.5	3.1	3.6 4.1	4.0 3.6	6.5 1.5
2	Aug	178	2.1	2.7	3.3	3.7	5.9	168	2.7	3.2	4.1	3.5	1.4
	Sep	67	2.4	3.1	4.4	5.3	8.9	59	2.7	3.2	4.0	3.6	1.3
	Oct	123	2.4	2.7	3.6	3.8	4.2	130	2.9	3.5	4.6	4.0	1.6
	Nov	190	2.3	2.8	3.7	3.7	3.2	188	2.7	3.3	4.0	3.6	1.5
	Dec 1	175 28	2.1	2.6	3.7	3.4	2.7	182	2.8	3.4	4.4	4.0	2.2 1.7
	2	53	2.1	2.4	3.0 4.7	3.6 4.3	3.8 5.1	25 46	2.8	3.6 3.2	4.3 4.1	3.9 3.8	1.7
	3	41	2.0	2.7	3.2	3.3	2.6	46	2.7	3.2	3.9	3.7	1.4
	4	39	2.0	2.8	4.0	4.3	5.0	39	2.5	3.1	4.1	4.8	5.5
	5	39	2.4	2.7	3.4	3.0	1.2	41	2.6	3.3	4.0	3.5	1.5
	6	42	2.2	2.7	4.0	3.8	2.9	44	3.0	3.4	4.4	4.6	4.6
	7 8	43 48	2.2	2.8	4.0 3.3	3.5 3.1	3.2 1.6	43 48	2.7	3.2	4.2 3.9	3.7 4.0	1.6 2.6
	9	52	1.9	2.3	3.1	3.1	3.9	47	2.9	3.8	4.7	3.9	1.2
	10	40	1.9	2.4	2.6	3.1	2.3	38	2.5	3.0	3.3	3.2	1.5
	11	46	2.0	2.6	3.2	3.0	1.8	48	2.5	3.0	3.8	3.3	1.1
	12	33	2.2	2.7	3.3	3.7	3.3	28	2.7	3.2	3.8	3.3	0.9
	13	42	2.1	2.6	3.4	3.5	3.0	36	2.6	2.9	3.9	3.7	2.4
	14 15	43 14	2.0	2.4	3.2 5.6	2.9 4.4	1.6 3.8	47 21	2.7 3.2	3.2	4.0 4.2	3.8 5.3	2.1 4.9
	16	22	1.9	2.2	2.9	3.0	2.3	28	2.5	2.9	4.0	5.0	7.7
	17	47	2.0	2.3	3.2	3.0	2.1	35	2.7	3.0	3.8	3.5	1.4
	18	39	2.1	2.8	4.1	4.1	4.2	37	2.8	2.9	3.2	3.5	2.1
	19	47	1.9	2.3	2.9	3.9	7.3	46	2.8	3.2	4.2	3.9	3.0
	20	33	1.9	2.3	3.2	5.2	9.3	38	2.4	2.9	3.5	3.1	0.9
	21	20 35	1.8	2.3	2.9	3.3 2.7	3.3 1.6	28 28	2.8	3.1	3.6 3.4	5.1 3.1	9.1
	23	42	2.0	2.5	3.2	3.1	2.0	38	2.5	3.0	3.4	3.2	1.0
	24	44	2.0	2.3	2.8	2.5	0.7	43	2.6	3.0	3.6	3.5	1.5
	25	34	2.1	2.3	2.8	2.6	1.0	40	2.5	3.1	3.7	3.3	1.0
놓	26	36	2.2	2.6	3.1	4.2	8.1	28	2.9	3.2	3.7	7.2	14.9
Week	27 28	26 37	1.9 2.1	2.3	2.9 3.4	2.7 3.8	1.5 4.4	23 40	2.7	3.2	3.3 4.2	3.1 3.5	0.7 1.2
	29	42	2.1	2.6	3.4	2.9	1.2	40	2.7	3.3	4.2	3.8	1.7
	30	28	2.3	2.7	3.4	3.0	1.3	27	2.8	3.5	4.4	3.8	1.9
	31	37	1.8	2.6	3.1	2.8	1.5	39	2.4	3.0	3.6	3.1	0.9
	32	45	2.2	2.5	3.0	3.1	1.8	36	2.8	3.2	3.8	3.5	1.5
	33	37	2.2	2.5	3.2	3.1	2.1	31	2.8	3.3	4.3	3.7	1.9
	34 35	38 45	2.1	2.4	2.9 3.9	3.3 5.5	3.1 10.9	31 46	2.6	3.0	3.6 4.1	3.3 3.6	1.2
	36	14	2.2	2.7	3.2	4.4	6.3	19	2.9	3.4	4.1	3.5	0.8
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	16	2.3	3.1	5.6	8.6	16.2	11	2.5	3.1	4.0	3.2	0.8
	39	30	2.5	3.3	4.8	4.4	3.4	24	2.8	3.9	5.1	4.0	1.5
	40	20	2.6	3.0	3.7	3.5	1.6	34 14	2.7	3.5	5.9	4.3	2.0
	41 42	20 34	2.5	2.7	3.6	3.1 4.6	1.4 7.2	14 34	3.0	3.8 3.4	5.1 4.3	4.2 3.8	1.6
	43	30	2.4	2.7	3.2	3.4	2.4	33	2.8	3.6	4.6	3.8	1.2
	44	35	2.4	3.0	5.0	3.9	2.1	33	2.8	3.3	4.5	4.0	1.9
	45	50	2.2	2.7	3.4	3.2	1.8	45	2.6	3.2	4.1	3.7	2.2
	46	43	2.4	2.9	3.9	4.1	4.0	43	2.6	3.2	3.8	3.3	0.9
	47 48	46 42	1.9	2.7	3.4 4.2	3.6	4.0 2.8	43 40	2.7	3.3	4.4	3.6	1.1
	48	38	2.5	3.1 2.8	4.2	3.9	2.8 4.4	40	2.8	3.3	4.5 4.0	3.7	1.2
	50	36	1.9	2.5	3.4	3.0	1.9	38	2.8	3.3	4.4	4.3	3.3
	51	42	2.2	2.5	3.6	3.2	1.7	41	2.8	3.3	4.2	3.5	0.9
	52	44	2.1	2.7	4.3	3.5	2.1	49	2.9	3.6	4.8	4.1	1.9
	53	20	1.9	2.6	3.4	3.4	2.4	23	2.5	3.4	4.5	4.0	2.5

L	48		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	')
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e	•	Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1407	1.6	1.8	2.3	2.6	2.6 3.1	1403	2.6	3.0	3.7	3.6	2.4
	Jan Feb	169 149	1.5 1.4	1.7 1.6	2.3 1.9	2.7	2.5	155 150	2.6	3.2	4.1 3.3	4.0 3.4	1.8
	Mar	142	1.5	1.7	2.0	2.4	2.5	132	2.5	3.0	3.6	3.6	2.4
	Apr	110	1.4	1.7	1.9	2.5	2.4	107	2.6	2.9	3.5	3.4	1.9
ے	May	105	1.4	1.6	1.8	2.0	1.3	112	2.7	3.1	3.6	3.7	2.4
Month	Jun	100	1.6	1.8	2.1	2.4	2.5	100	2.7	3.1	3.8	3.7	2.6
2	Jul Aug	90 105	1.7	2.1	2.6	3.1 2.9	3.3 2.3	73 110	2.7	3.1	3.6 3.6	3.7 3.4	2.9
	Sep	32	1.8	2.2	3.5	4.1	4.2	33	2.8	3.8	4.7	5.0	4.3
	Oct	83	1.8	2.2	5.5	3.8	3.4	93	2.7	3.2	4.1	4.0	3.1
	Nov	145	1.7	1.9	2.3	2.7	2.6	152	2.5	2.9	3.4	3.3	1.9
	Dec	177	1.6	1.8	2.1	2.3	1.6	186	2.6	3.0	3.7	3.5	1.7
	2	26 45	1.5 1.4	1.6 1.6	2.6 1.9	2.9	2.8 1.2	25 37	2.7	3.0	3.7 4.2	3.7 5.0	1.9 4.4
	3	31	1.4	1.7	2.7	3.6	4.5	36	2.8	3.3	4.0	3.5	0.9
	4	39	1.5	1.7	2.0	2.2	2.0	35	2.4	2.9	4.5	4.0	2.8
	5	30	1.7	2.0	2.5	3.4	4.0	27	2.5	2.8	3.2	3.1	1.2
	6	34	1.5	1.7	2.1	2.1	1.5	36	2.5	3.0	3.4	3.2	1.5
	7 8	41 34	1.4	1.6 1.7	1.8 2.1	2.8	3.4 2.9	40 35	2.5	2.8	3.4	3.1 3.4	1.0 2.3
	9	44	1.4	1.7	1.6	1.9	1.6	36	2.4	3.0	3.2	3.7	2.3
	10	36	1.4	1.6	1.9	2.9	3.7	34	2.6	3.0	3.5	3.1	0.8
	11	35	1.5	1.7	2.0	2.1	1.6	37	2.3	2.8	3.9	3.6	3.0
	12	23	1.5	1.7	1.8	1.8	0.6	25	2.7	3.1	6.9	4.9	3.6
	13	34	1.6	1.8	2.0	2.7	2.6	23	2.4	3.2	3.6	3.0	0.8
	14 15	33 11	1.4	1.5 1.5	1.7	1.8 5.3	0.8 5.2	34 20	2.6	2.9 3.2	3.5 3.7	3.1 4.2	0.7 3.3
	16	19	1.4	1.6	1.8	2.1	1.6	23	2.3	2.7	3.1	3.1	1.6
	17	36	1.5	1.7	1.9	2.4	2.0	26	2.6	3.0	3.8	3.5	1.4
	18	37	1.4	1.7	1.8	2.0	1.3	27	2.6	2.9	3.3	2.9	0.6
	19	30	1.3	1.6	1.7	1.6	0.4	34	2.7	3.0	3.6	3.7	2.8
	20	16	1.4	1.8	1.9	2.4	1.9	21	2.7	3.1	3.3	4.0	3.3
	21	17 24	1.5 1.5	1.6 1.7	1.9	2.1	1.6 1.1	24 21	2.8	3.1	4.4 3.6	4.0 3.3	2.2 1.0
	23	27	1.7	1.9	2.0	2.4	2.7	26	2.8	3.1	3.9	4.5	4.1
	24	30	1.6	1.8	2.1	2.5	3.3	30	2.7	3.1	3.3	3.3	0.9
	25	22	1.5	1.7	2.1	2.4	2.0	24	2.8	3.2	4.1	3.6	1.5
χ	26	18	1.7	1.8	2.2	2.0	0.5	17	2.6	3.1	3.3	3.2	1.2
Week	27 28	14 26	1.6	1.8 2.1	2.4	3.6 2.7	4.1 2.5	9 25	3.0 2.9	3.3	4.3 3.7	5.3 4.1	3.9
	29	23	1.7	2.1	2.7	4.0	4.6	19	2.5	2.8	3.5	3.2	1.3
	30	11	1.9	2.3	2.7	2.4	0.5	9	2.1	2.8	3.1	2.9	1.3
	31	22	1.7	2.0	2.6	2.6	1.7	25	2.5	2.8	3.5	3.5	2.5
	32	31	2.0	2.3	2.6	3.2	2.8	24	2.5	2.8	3.5	3.4	2.2
	33	18	1.7	2.0	2.7	2.7	1.8	19	2.6	2.8	3.6	3.2	1.2
	34 35	23 27	2.0 1.7	2.2 1.8	2.5	3.0 2.5	1.7 2.3	20 34	2.6	3.0	4.1 3.6	4.3 3.2	4.1 0.8
	36	6	1.8	2.0	2.2	2.0	0.3	12	3.0	3.6	4.4	5.3	5.6
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	6	1.8	2.0	2.3	2.9	1.9	5	2.8	3.3	3.8	3.9	1.6
	39	16	2.1	2.6	8.8	5.8	5.2	14	2.9	3.8	4.7	4.5	2.4
	40	11	1.9 2.0	2.3	2.8	3.2	2.3	18	2.6 3.3	3.0	3.7	3.7	2.9
	41	22	1.7	2.2	5.3 5.3	3.7	2.7	25	3.3	3.8	4.3 4.7	4.3 5.4	5.0
	43	22	1.7	1.9	3.0	4.0	4.6	23	2.7	3.1	3.7	3.4	1.1
	44	26	1.7	2.2	3.4	3.7	3.2	25	2.4	2.7	3.3	3.3	2.0
	45	27	1.7	1.9	2.2	2.5	1.9	24	2.8	3.3	3.6	3.5	1.4
	46	27	1.8	2.0	2.3	2.8	3.2	33	2.3	2.8	3.1	3.5	3.6
	47 48	36 45	1.6	2.1 1.9	2.4	2.9	2.7	39 42	2.5	2.9	3.6	3.2	0.9
	48	45	1.7	1.9	2.2	2.9 2.5	1.8	42	2.7	2.9	3.5 3.8	3.2 3.8	1.0 2.6
	50	36	1.4	1.6	1.8	2.1	1.6	40	2.8	3.3	3.9	3.7	1.3
	51	40	1.6	1.9	2.2	2.3	1.7	42	2.7	3.2	3.6	3.4	1.2
	52	46	1.7	1.8	2.1	2.3	1.4	52	2.4	2.8	3.8	3.3	1.5
	53	21	1.5	1.8	2.0	1.9	0.7	20	2.4	2.9	3.1	3.2	1.5

L	49		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
nit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Tii	ne Estim	ate (hour	.)
Time Unit	e P	Ĕ	F	ercentil	е		Std.	ţ	F	Percentil	9		Std.
Ξ̈́	Time I	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	1651	5.6	6.5	8.2	10.2	12.8	1610	8.1	9.5	11.2	12.2	11.1
	Jan	142	5.2	6.2	8.2	12.3	16.9	133	8.8	10.5	13.6	15.9	15.3
	Feb	157	5.3	6.1	9.1	12.9	17.1	157	8.4	9.8	12.3	13.3	11.1
	Mar	154	5.1	6.0	7.6	11.6	15.8	139	8.6	9.8	11.8	14.9	15.0
	Apr May	108 126	5.2 5.1	6.0 5.8	7.5 6.6	9.8 8.5	12.7 10.7	100 141	9.2 8.3	10.0 9.8	11.5 11.3	13.8 13.2	12.7 12.4
ŧ	Jun	134	5.6	6.7	8.1	9.6	10.7	125	8.0	9.3	10.7	11.6	11.7
Month	Jul	145	5.9	7.3	9.5	10.2	11.0	131	7.6	9.3	10.9	10.9	9.6
	Aug	153	6.1	6.8	8.4	9.0	10.1	152	7.5	8.7	10.9	10.5	7.9
	Sep	56	6.4	7.5	8.9	10.1	10.4	59	7.5	9.0	10.9	13.8	16.3
	Oct	118	6.4	7.4	9.6	12.3	16.5	113	7.9	9.1	11.3	11.4	9.3
	Nov	183	5.7	6.7	7.9	8.8	9.3 6.2	177	7.3	8.4	9.7	9.4	4.6 3.5
	Dec 1	175 20	5.6 5.0	6.6	7.7 24.7	7.8 20.6	24.5	183 21	8.0 10.6	9.3	10.9 20.1	10.1 21.9	19.6
	2	46	5.2	6.0	7.7	8.9	10.6	38	8.6	10.2	11.3	11.4	5.4
1	3	28	4.8	5.7	7.4	13.4	17.9	31	9.6	10.7	13.5	15.5	15.0
1	4	24	5.4	6.2	7.1	10.7	15.6	23	8.2	10.7	40.9	23.5	22.1
	5	28	6.0	7.0	9.6	11.6	15.3	26	8.1	8.7	10.6	10.5	4.5
	6	37	5.3	6.4	7.6	10.5	15.2	42	7.9	9.8	11.8	11.1	5.4
	7 8	39 43	4.9 5.7	5.8 6.8	6.2 15.4	10.7 15.4	17.1 18.2	35 47	8.8	10.0 9.6	13.4 12.0	16.7 11.3	15.1 6.7
	9	42	5.1	6.0	12.4	13.5	16.4	29	9.6	10.4	12.3	15.6	15.3
	10	41	4.7	5.5	6.3	8.6	10.7	39	9.2	9.8	10.7	11.7	11.2
	11	37	5.3	6.1	6.9	11.4	15.4	40	8.3	9.6	13.6	15.5	15.6
	12	22	4.8	6.1	7.1	12.9	18.2	20	8.4	9.9	17.2	20.7	22.2
	13	35	5.9	6.7	9.0	14.0	18.7	25	8.6	10.2	16.0	16.2	13.3
	14 15	37 13	5.1 5.3	5.9 6.0	8.9 7.5	11.8 9.4	15.2 9.0	38 13	9.3 9.8	10.2 10.5	11.4 13.3	11.5 15.1	6.1 14.7
	16	15	4.6	5.4	5.9	5.3	0.9	17	9.0	9.6	12.6	14.0	13.3
	17	40	5.8	6.8	7.7	11.0	13.3	28	9.4	9.9	11.8	15.5	14.7
	18	27	5.5	6.2	7.7	13.7	20.2	28	8.1	9.5	10.4	14.0	16.1
	19	38	5.2	5.8	6.4	6.2	2.6	43	8.7	9.6	11.3	13.9	13.9
	20	27	5.0	5.7	6.9	9.1	11.6	33	8.1	9.3	10.7	11.4	11.9
	21	18 30	4.7 5.3	5.3 5.8	6.0	7.8 8.0	10.0 7.3	27 27	9.3	10.4	12.7 11.9	13.4 13.6	9.9
	23	32	6.1	6.6	7.5	6.9	1.2	30	8.0	9.5	10.4	11.5	12.5
	24	41	5.8	6.8	8.0	10.1	10.2	35	7.9	8.8	10.2	9.4	2.3
	25	30	5.2	6.0	8.3	9.6	12.6	31	8.5	9.9	12.2	11.7	8.9
¥	26	25	5.1	6.8	8.7	11.2	13.2	24	7.8	9.6	11.4	15.3	19.6
Week	27	25	5.5	6.7	7.8	8.8	8.6	20	8.7	9.9	11.4	11.6	8.1
	28 29	34 35	5.9	7.6 7.2	9.4 8.2	8.8	6.6	36 36	7.4	9.3	10.9	11.1	11.8
	30	28	6.4 6.5	8.3	12.4	9.9 12.6	12.6 12.8	24	7.5 7.1	9.2	10.2	9.1 12.3	2.3 14.2
	31	33	5.5	7.2	9.6	11.1	12.8	35	7.6	8.7	11.4	10.1	4.3
1	32	40	6.1	7.1	8.6	10.8	15.2	32	7.1	8.5	10.9	8.8	2.4
	33	33	5.9	6.4	8.0	7.4	2.6	31	7.5	8.6	9.9	8.9	2.1
	34	34	6.2	7.1	7.9	10.1	12.5	24	7.3	8.7	9.9	8.7	1.8
I	35 36	33 13	6.2	6.7 7.1	8.4	8.0 7.6	3.6 1.7	46 17	8.2 7.2	9.5 9.5	11.3 11.3	12.3 13.5	10.8 13.7
	37	0	-	-	-	7.0	-	0	-	9.5	-	-	-
I	38	15	6.3	7.5	10.0	12.2	14.3	10	8.7	10.7	17.6	23.0	24.8
	39	27	6.5	7.8	9.7	10.3	10.2	25	7.8	9.1	10.8	12.7	12.5
I	40	17	7.1	7.9	9.8	16.6	23.6	26	7.0	8.1	9.0	10.7	13.4
	41	20	6.5	7.4	7.9	7.4	1.3	15	7.9	8.2	10.5	10.3	6.0
I	42	33 32	6.5 6.2	7.8 6.8	9.7 8.3	12.0 8.1	14.5 3.4	31 26	8.5 8.3	9.5	10.2 12.1	11.1 11.2	7.9 4.4
	44	29	6.2	6.9	9.6	15.8	22.0	32	8.1	9.3	12.1	14.6	15.1
I	45	42	5.7	7.2	9.5	12.7	16.3	29	6.6	8.0	8.8	9.0	5.4
	46	41	5.8	6.6	7.7	7.4	2.8	44	7.3	8.3	9.2	8.5	1.7
I	47	48	5.6	6.8	8.4	8.6	8.2	47	7.8	8.4	10.0	9.6	3.8
	48	42	5.9	6.7	7.3	7.3	2.5	44	7.7	8.7	9.8	9.6	4.5
I	49 50	40	6.3	7.1	8.8	8.9 6.1	5.3	39	8.0	8.7	10.1	10.2	3.9
	50 51	38 40	5.0 5.9	6.0	6.6 7.8	6.1 8.8	1.6 11.1	39 42	8.7 8.1	9.3	12.5 10.3	11.0 10.1	2.8 4.7
1	52	46	5.7	6.6	7.9	7.0	2.0	50	7.7	9.0	10.6	9.4	2.4
L	53	18	5.2	6.5	9.2	7.7	3.1	20	7.4	8.8	9.6	8.9	1.9

L	50		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	r)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	1093 55	2.3	2.7	3.4	3.3	2.1 1.8	1207	2.6	3.0 2.9	3.8	3.4	1.5
	Jan Feb	63	2.0	2.6	3.0	3.0	1.8	52 84	2.5	2.8	3.4	3.1	0.8
	Mar	71	2.0	2.4	2.9	3.0	1.9	68	2.6	3.0	3.7	3.2	0.7
	Apr	52	2.4	3.8	4.9	4.4	2.8	67	2.9	3.8	5.3	4.4	1.9
ч	May	82	2.4	3.3	4.9	3.9	2.3	99	3.0	3.6	5.3	4.3	2.0
Month	Jun Jul	82 86	2.2	2.7	4.3 3.6	3.5 3.5	2.0	104 98	2.6	3.0 2.8	3.8	3.6 3.2	2.0
2	Aug	115	2.3	2.9	3.1	3.0	1.4	131	2.4	3.0	3.5	3.1	0.9
	Sep	48	2.4	2.8	3.4	3.7	3.0	48	2.5	2.9	3.6	3.2	1.3
	Oct	97	2.5	2.9	4.1	4.1	2.7	104	2.6	3.0	3.8	3.5	1.6
	Nov	170	2.3	2.6	3.1	3.0	1.6	173	2.5	2.9	3.7	3.3	1.4
Н	Dec 1	172	2.1 1.8	2.5	3.0	2.8	1.4	179 6	2.5	2.8	3.3 4.1	3.0	1.0 0.8
	2	3 25	1.8	2.0	3.0	2.8	1.5 1.5	24	3.1 2.4	3.2 2.7	2.9	3.7 3.2	2.1
	3	15	2.3	2.4	2.8	2.5	0.6	9	3.1	3.2	4.1	3.9	1.4
	4	3	2.7	2.7	3.2	3.0	0.5	6	2.4	2.6	3.1	3.7	2.7
	5	10	3.0	4.2	5.5	4.8	2.7	13	2.6	3.1	4.1	3.5	1.1
	6	21 19	2.4	2.7	2.9	3.0	1.7 0.7	30 18	2.5	2.8	3.2	3.0	0.7
	7 8	17	2.1	2.5	3.1 2.8	2.5	0.7	23	2.8	2.8	3.5 3.6	3.0	0.7
	9	8	2.4	2.8	5.0	4.4	3.4	9	2.8	3.1	3.3	3.2	0.6
	10	25	2.0	2.7	3.0	3.3	2.1	22	2.7	2.9	3.8	3.1	0.7
	11	17	2.0	2.3	2.8	2.4	0.4	18	2.6	3.0	3.5	3.1	0.5
	12	10	2.1	2.4	2.6	2.3	0.4	9	2.5	2.7	2.9	2.8	0.4
	13 14	10	2.2	3.0	5.7	4.4	3.1	9	3.8	4.1	4.3	3.9	0.7
	15	16 6	2.1 3.9	3.0 6.0	3.9 6.6	3.0 6.4	1.0 3.6	28 14	2.8 3.8	3.5 5.2	4.5 7.5	4.0 5.5	1.6 1.9
	16	7	3.1	5.4	6.3	5.9	3.9	12	2.8	3.3	4.5	3.7	1.1
	17	21	2.4	3.8	4.7	4.1	2.0	13	2.9	4.1	5.3	4.6	2.6
	18	12	2.3	2.6	3.5	3.5	2.4	11	3.0	3.4	4.8	4.7	3.4
	19	25	2.7	3.7	5.7	4.3	1.8	29	2.7	3.5	3.9	3.8	1.5
	20	22 8	2.7 1.8	3.7 2.4	4.8	4.6 3.0	3.4 1.5	19 22	2.8 3.0	3.5 3.5	4.9 5.7	4.1 4.4	1.7 2.1
	22	23	2.3	2.7	3.6	3.3	1.6	26	2.9	3.6	4.7	4.2	1.6
	23	19	3.9	5.5	6.2	5.4	2.3	26	2.9	3.7	6.1	4.6	2.5
	24	19	2.4	3.0	4.5	3.4	1.2	24	2.4	2.7	3.1	3.0	1.1
	25	20	2.0	2.3	2.7	3.0	2.2	29	2.7	3.0	3.7	3.5	2.2
e k	26	20 11	1.9 2.4	2.6	3.0 4.1	2.6 3.3	0.8 1.2	20 17	2.7	3.0	3.7 4.8	3.0	0.7
Week	27 28	29	2.4	2.8	3.5	3.1	1.2	31	2.7	3.1 2.9	3.5	3.0	1.5 0.9
	29	21	2.1	2.6	3.1	3.1	2.5	27	2.5	2.8	3.3	2.9	0.6
	30	14	2.9	3.5	5.9	5.1	3.6	19	2.6	3.0	3.9	3.8	2.2
	31	20	2.1	2.7	3.0	2.7	1.1	20	2.4	2.8	3.2	2.7	0.6
	32	31	2.4	2.7	2.9	2.6	0.5	29	2.3	2.8	3.3	2.9	0.9
	33 34	26 24	2.2	2.4	3.1	2.7 3.4	0.9 1.9	25 22	2.4	2.9	3.2	2.9 3.0	0.6
	35	25	2.3	2.9	3.7	3.4	1.9	41	2.8	3.2	3.7	3.4	1.1
	36	9	2.6	2.8	2.8	2.6	0.6	13	2.4	2.9	3.5	3.0	0.7
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	17	2.5	2.8	5.3	4.7	4.0	11	2.5	3.1	4.4	3.8	2.0
	39 40	18 13	2.8	3.0 2.4	3.4	3.6	2.5 1.7	17 24	2.6	3.0 2.8	3.4	3.3	1.0 0.8
	41	23	2.5	2.9	3.4	2.9	0.8	17	2.6	2.8	3.7	3.2	1.0
	42	25	2.4	2.6	2.9	3.3	1.7	24	2.8	3.1	3.8	3.5	1.5
	43	26	3.1	4.1	7.5	6.1	3.9	25	2.7	3.3	4.7	4.2	2.2
	44	18	2.3	2.8	3.9	3.5	1.9	27	2.5	3.0	3.8	3.6	2.0
	45	25	2.3	2.5	2.9	2.9	2.0	23	2.6	3.4	4.2	3.8	2.1
	46 47	44 46	2.4	2.6	3.2	3.1 2.6	1.4 1.0	43 47	2.5	2.9 3.1	3.7 3.5	3.2 3.2	1.2
	48	48	2.3	2.8	3.2	3.2	2.0	48	2.6	2.8	3.7	3.2	1.1
	49	37	2.1	2.6	3.4	3.1	2.1	39	2.4	2.7	3.0	2.8	0.7
	50	39	2.1	2.5	3.1	2.8	1.4	40	2.6	2.9	3.6	3.3	1.4
	51	37	2.3	2.4	2.8	2.5	0.6	34	2.5	2.8	3.1	2.9	0.7
	52 53	45 21	2.0	2.5	2.9	2.9	1.5	51 24	2.4	2.8	3.2	3.0	1.2
	აა	21	2.2	2.6	2.8	2.5	0.6	24	2.6	3.0	3.5	3.1	0.9

L	51		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	ravel Ti	ne Estim	ate (hou	')
Time L	Je P	Count	F	ercentil	е		Std.	Count	F	Percentil	9		Std.
	Time	တ	25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1976	1.3	1.7	3.0	2.7	2.6	1957	2.0	3.0	5.3	4.1	2.9 3.4
	Jan Feb	151 159	1.4	1.8 1.6	4.3 3.4	3.2 2.9	2.9 3.0	156 173	2.3	3.7	6.9 6.2	5.0 4.4	3.4
	Mar	162	1.3	1.7	3.3	2.9	2.8	157	2.2	3.3	5.8	4.5	3.2
	Apr	130	1.3	1.6	2.7	2.7	2.8	134	2.2	3.5	5.4	4.3	2.8
۹	May	186	1.2	1.3	2.5	2.2	1.8	204	2.1	3.2	5.4	4.3	3.2
Month	Jun Jul	191 179	1.3	1.5 1.7	2.1	2.3	2.0	184 154	2.0 1.9	2.7	4.7 4.5	3.8 3.6	2.8
2	Aug	189	1.4	1.8	3.2	3.2	3.2	187	1.9	2.6	4.6	3.6	2.5
	Sep	63	1.7	2.1	3.8	3.3	2.6	56	2.2	3.9	5.4	4.1	2.0
	Oct	116	1.5	2.0	4.4	3.4	2.9	116	2.5	4.2	6.4	5.0	3.3
	Nov	230	1.4	1.7 1.4	3.2	2.7	2.4 1.9	223 213	1.8	2.6	4.5	3.6	2.6
_	Dec 1	220	1.2	1.4	2.0 4.3	2.1	1.8	213	1.9 2.3	2.8	4.6	3.6 3.9	2.8
	2	44	1.3	1.6	3.0	3.0	3.2	47	2.1	3.0	6.9	4.8	3.3
	3	32	1.6	3.0	5.2	3.7	2.7	30	2.5	4.0	7.3	5.4	3.5
	4	25	1.4	1.7	5.2	3.6	3.4	32	2.3	3.5	6.1	4.9	3.4
	5 6	33 40	1.8	2.3	4.1	3.5	2.7 3.1	36 47	2.5 1.9	3.6 2.7	7.2 6.1	5.1 4.4	3.6
	7	42	1.2	1.4	1.6	1.9	1.5	39	2.0	2.6	4.5	3.9	2.9
	8	40	1.6	1.9	5.5	3.8	3.4	47	2.3	3.5	6.8	4.8	3.3
	9	42	1.3	1.5	3.1	2.7	2.8	36	2.1	4.2	6.3	4.5	2.5
	10	41 41	1.3	1.5 1.7	2.8 4.3	3.3	2.5 3.0	35 42	2.0	3.3 2.9	5.6 5.5	4.7 4.2	3.8
	12	24	1.4	1.7	3.5	3.0	2.9	30	2.3	4.3	8.4	5.3	3.7
	13	35	1.4	1.8	3.2	3.1	3.1	30	2.7	3.5	5.6	4.2	2.1
	14	36	1.3	1.7	2.8	2.6	2.3	51	2.7	4.7	5.8	5.0	3.0
	15	17	1.2	1.4	2.4	2.7	3.5	14	2.5 1.9	3.8	5.1 4.4	4.0	1.9
	16 17	30 44	1.2	1.6 1.5	5.6 2.5	3.4 2.1	3.3 1.2	29 34	2.3	3.2	5.7	3.5 4.8	1.9 3.4
	18	31	1.3	1.6	2.9	2.7	2.9	39	1.9	2.5	4.9	3.7	2.5
	19	56	1.1	1.4	2.4	2.0	1.4	58	2.1	3.4	6.1	4.6	3.4
	20	38	1.1	1.4	2.9	2.2	1.5	44	2.1	3.0	6.0	4.7	3.5
	21	31 45	1.2	1.3	2.4	2.4	2.6 1.7	40	2.1	3.2 2.8	5.3 4.9	4.2 3.8	3.1 2.4
	23	44	1.4	1.5	1.8	2.1	1.6	47	2.0	3.2	5.3	4.0	2.4
	24	53	1.3	1.5	2.3	2.3	1.7	48	1.9	2.3	3.7	3.0	1.6
	25	46	1.3	1.5	2.1	2.4	2.4 1.2	50	1.9	2.8	6.2	4.5	3.7
Week	26 27	39 33	1.3	1.5 1.7	1.9 3.2	1.9 2.8	2.5	32 25	2.0	2.6 3.7	3.7 4.8	3.5 4.0	2.8
š	28	49	1.4	1.8	2.5	2.4	1.8	46	2.0	2.6	4.8	3.7	2.4
	29	38	1.4	1.7	2.0	2.6	2.1	39	1.8	2.9	4.4	3.7	2.4
	30	39	1.5	1.8	2.8	2.6	2.5	29	1.5	2.0	3.4	3.0	2.6
	31 32	33 53	1.3	1.5 1.8	2.1 3.1	2.7	2.6 1.6	37 38	2.1	2.8 3.1	5.0 5.7	3.9 4.3	2.9 3.4
	33	46	1.4	1.9	4.2	3.9	4.5	39	1.8	2.3	3.8	2.9	1.6
	34	36	1.4	1.8	3.1	3.5	3.8	28	1.7	2.3	3.7	3.3	2.5
	35	43	1.4	1.7	4.0	3.0	2.5	60	2.1	2.7	4.8	3.8	2.3
	36 37	19 0	1.7	2.0	2.5	2.6	1.9	23 0	1.9	2.7	4.6	3.4	1.7
	38	17	1.7	2.1	4.3	3.4	2.6	14	3.5	4.1	5.5	4.3	1.2
	39	22	1.6	1.8	3.1	3.2	2.8	17	1.8	3.8	6.3	4.3	2.7
	40	15	1.9	2.9	6.1	4.2	2.7	22	2.4	3.1	4.7	3.8	1.9
	41 42	27 30	1.8 1.6	3.2 2.5	6.3 4.6	4.3 3.9	3.4 3.6	18 34	3.1 2.5	4.3 4.6	6.4 7.7	4.8 5.1	2.3
	43	29	1.3	1.6	3.4	2.5	1.9	27	2.6	5.0	8.4	6.2	4.2
	44	31	1.5	1.8	3.6	2.6	1.5	29	2.2	2.8	4.8	4.0	3.1
	45	44	1.6	3.1	6.3	4.2	3.2	31	1.7	2.9	4.9	4.0	2.9
	46 47	52 60	1.4 1.4	1.7 1.6	3.3	2.6	1.9 2.7	58 56	1.9 1.9	3.0 2.9	5.2 4.3	3.9	2.7
	47	59	1.4	1.5	1.9	2.7	1.2	56 64	1.8	2.9	4.3	3.6 3.4	2.6
	49	51	1.3	1.4	1.7	1.8	1.1	45	1.8	2.4	3.6	3.4	2.8
	50	52	1.1	1.3	1.9	1.9	1.5	49	1.9	3.0	5.1	3.9	2.4
	51	42	1.2	1.4	1.8	2.2	2.2	39	2.0	2.9	5.5	4.0	2.8
	52 53	57 29	1.3	1.5 1.6	2.6	2.4	2.5 1.4	61 28	2.0 1.8	2.8	4.3 3.3	3.5 2.8	2.2 1.2
_	აა	29	1.3	0.1	2.4	Z. I	1.4	∠0	1.0	2.5	ა.ა	2.0	1.2

L	52		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
nit	Pd.		Tı	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	ne Estim	ate (hour	.)
Time Unit	e P	ır	F	Percentil	е		Std.	ţ	-	Percentil	9		Std.
Τiπ	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	2571	1.3	1.6	5.1	6.0	10.7	2531	1.9	2.7	5.7	6.1	9.2
	Jan	212	1.3	1.7	7.7	7.3	11.9	233	2.2	3.0	6.5	5.9	7.5
	Feb	214	1.2	1.4	4.8	5.5	10.0	204	2.0	2.8	5.9	5.6	7.9
	Mar	212	1.2	1.4	2.5	5.4	11.6	201	2.0	2.8	5.8	6.7	10.9
	Apr May	215 253	1.2 1.2	1.4 1.2	2.7 1.4	5.0 2.3	10.9 4.7	190 271	1.9	2.4	3.8	4.5 3.3	7.8 5.1
£	Jun	265	1.2	1.4	1.7	3.0	7.5	246	1.7	2.1	2.9	4.7	8.8
Month	Jul	249	1.4	1.8	3.8	4.6	8.3	212	1.6	2.2	4.4	4.1	6.2
	Aug	259	3.2	6.6	15.0	11.8	12.9	261	3.2	5.9	11.2	9.3	9.5
	Sep	75	4.5	7.8	16.3	14.9	16.8	85	4.8	9.2	21.9	16.1	16.1
	Oct	104	1.6	5.7	11.5	10.8	13.5	101	2.8	8.5	19.6	14.0	15.1
	Nov	248	1.4 1.2	2.0	6.9 1.7	7.1	10.7 7.0	237	2.2 1.8	3.1	5.9	5.7	6.5 7.6
	Dec 1	265 24	1.0	1.4	2.2	3.8 2.2	2.0	290 31	2.2	2.3	3.3	4.6 3.1	1.4
	2	62	1.3	1.7	5.3	7.0	11.6	74	2.1	2.6	5.0	4.8	6.0
	3	44	1.3	1.5	4.8	5.4	9.5	41	2.0	2.6	6.0	5.2	6.9
	4	44	1.2	1.9	9.1	8.8	15.2	42	2.2	3.0	5.1	5.3	5.4
	5	47	2.3	11.2	20.7	13.2	12.6	55	3.8	8.5	17.0	11.4	10.8
	6	53	1.3	1.5	7.1	6.0	8.6	50	2.0	2.8	7.1	6.5	9.8
	7 8	57 58	1.1	1.3 1.6	2.0 5.4	3.8 5.8	6.9 12.9	51 56	1.8 2.0	2.2	5.0 3.8	4.9 4.3	7.0 8.2
	9	49	1.1	1.0	1.9	2.8	6.5	41	2.4	4.3	6.3	4.3	3.1
	10	47	1.2	1.3	1.8	4.1	9.4	54	2.0	2.6	3.6	3.6	3.2
	11	64	1.2	1.5	5.4	7.5	13.6	57	2.0	2.8	7.0	9.7	15.3
	12	35	1.3	1.4	2.0	5.8	14.7	31	2.0	3.4	7.0	6.1	6.9
	13	36	1.4	1.7	2.2	5.1	10.4	44	1.9	2.8	6.4	7.7	12.7
	14	62	1.3	1.7	3.5	4.1	6.9	59	2.0	2.8	5.3	4.9	7.6
	15 16	23 40	1.0 1.2	1.3	1.5	4.2 3.8	13.3 9.0	19 41	2.0 1.9	2.5	3.5 4.3	3.4	2.5 3.2
	17	78	1.2	1.4	2.1	5.2	12.7	58	1.8	2.1	3.0	5.5	11.2
	18	58	1.2	1.3	3.7	5.4	8.7	49	1.8	2.1	3.3	3.0	2.0
	19	70	1.1	1.2	1.3	1.7	1.3	79	1.8	2.2	2.9	3.2	4.5
	20	53	1.2	1.3	1.8	3.3	8.2	58	1.8	2.1	3.3	2.6	1.2
	21	40	1.1	1.3	1.6	2.0	2.0	47	1.7	2.0	2.4	3.2	4.1
	22	62 65	1.2 1.3	1.2 1.4	1.6 2.2	1.8 3.5	1.2 7.9	62 54	1.7	2.1	3.6 2.7	4.3 5.7	8.5 9.1
	24	72	1.2	1.3	1.5	1.9	2.0	69	1.6	1.9	2.7	2.4	1.5
	25	62	1.2	1.4	1.7	2.7	7.1	61	1.7	2.1	3.4	4.8	10.3
٧.	26	55	1.3	1.5	1.9	4.5	11.4	51	1.7	2.1	3.2	4.5	7.6
Week	27	51	1.3	1.5	1.8	1.8	1.1	42	1.7	2.1	5.1	5.6	10.8
_	28	64	1.4	1.7	2.2	3.2	7.9	53	1.5	2.0	2.5	2.3	1.4
	29	57	1.3 2.4	1.6	1.7	1.9	1.2	58	1.5	1.9 3.2	2.5	2.5	1.7
	30	50 44	2.4	5.0 3.7	14.0 6.3	10.8 5.9	13.4 6.2	43 45	1.6 3.4	4.6	7.1 6.8	8.1 5.7	12.1 3.3
	32	73	3.4	5.7	9.2	6.7	4.3	60	3.7	5.8	9.3	6.4	3.2
	33	57	6.9	14.2	22.7	15.2	9.4	65	4.2	10.7	15.6	11.7	8.1
	34	50	6.3	22.1	42.2	26.2	19.2	37	6.8	20.6	30.4	21.6	15.7
	35	63	1.4	1.8	5.0	4.4	4.4	77	2.2	2.8	5.9	4.8	4.2
	36 37	26	4.1 6.4	6.2 10.3	10.1 41.1	10.9 25.7	14.4 23.4	44 9	4.8	8.1 13.3	22.3 47.2	14.4 25.1	13.7
	38	16 16	3.4	5.3	12.2	9.5	23.4 8.7	16	4.8	9.9	18.7	25.1 15.4	23.2 15.9
	39	17	4.0	6.6	10.1	10.7	11.0	8	6.3	9.2	37.8	21.3	20.3
	40	13	7.8	9.1	22.1	15.7	12.5	18	5.1	9.8	16.6	11.5	7.2
	41	29	7.5	11.1	16.7	15.9	14.5	19	9.8	16.9	29.3	20.3	14.8
	42	17	1.4	1.7	18.4	11.7	14.5	19	2.9	9.8	25.0	17.4	17.0
	43	33	1.3	1.4	5.3	7.8	14.5	33	1.9	2.5	6.3	8.7	14.4
	44 45	25 36	3.9 9.3	5.5 15.2	10.7 24.8	8.7 19.0	7.4 13.4	24	6.0 4.7	9.1 9.4	14.3 16.0	13.5 11.5	13.4 7.8
	46	66	1.4	1.8	4.6	5.8	9.9	69	2.3	3.3	5.6	5.8	6.6
	47	68	1.5	2.7	5.9	5.0	5.6	67	2.6	4.3	8.2	7.0	7.5
	48	64	1.3	1.4	1.7	3.9	9.2	66	1.8	2.4	2.7	2.6	1.2
	49	53	1.3	1.4	1.6	3.9	9.5	66	1.8	2.2	3.1	5.2	10.1
	50	59	1.2	1.3	1.5	2.8	5.9	65	1.9	2.3	3.0	3.6	4.5
	51	54	1.3	2.7	12.9	7.9	8.9	51	2.2	3.4	13.8	9.1	11.6
	52 53	78 32	1.2 1.1	1.4 1.4	1.7	1.9 2.5	1.3 4.3	82 38	1.8	2.3	3.1 2.8	2.9	2.0 1.5

L	53		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count	- 1	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2562	1.6	1.8	2.1	2.2	2.2	2446	2.3	2.6	3.2	3.4	2.9 3.1
	Jan Feb	235 227	1.6 1.6	1.8 1.7	2.1	2.3	2.5	265 224	2.4	2.8	3.3	3.7 3.4	2.2
	Mar	238	1.6	1.7	2.0	2.1	1.6	222	2.3	2.7	3.2	3.2	1.9
	Apr	219	1.5	1.7	1.9	2.0	1.7	169	2.3	2.6	3.0	3.2	2.7
ے	May	255	1.5	1.7	1.8	2.1	2.4	255	2.2	2.5	2.9	3.0	2.3
Month	Jun	262	1.6	1.8	2.0	2.2	1.8 2.4	234	2.1	2.4	2.9	3.1	2.8 3.1
Σ	Jul Aug	253 280	1.7	2.0 1.9	2.3	2.4	0.8	216 260	2.0	2.4	2.9 3.6	3.2 4.2	3.1
	Sep	31	2.0	2.2	2.3	3.7	4.6	41	2.1	2.5	3.0	3.0	2.3
	Oct	36	1.9	2.3	14.7	6.8	7.4	37	2.5	3.0	4.2	5.3	5.5
	Nov	245	1.7	1.8	2.1	2.2	1.9	225	2.3	2.7	3.4	3.5	2.7
	Dec	281	1.6	1.7	2.0	1.9	0.9	298	2.3	2.6	3.3	3.4	2.8
	2	28 62	1.5 1.7	1.6 1.8	1.7 2.2	2.0	1.7 2.3	31 72	2.4	2.7	2.9 3.2	2.7 3.3	0.5 3.0
	3	53	1.6	1.7	2.0	2.0	1.0	54	2.4	2.7	3.1	3.0	1.1
	4	50	1.6	1.7	2.1	2.5	2.9	56	2.3	2.7	3.3	2.9	0.9
	5	46	1.7	1.9	2.2	2.7	3.7	57	2.6	3.2	8.9	6.1	5.1
	6	54	1.7	1.9	2.1	2.3	1.5	49	2.6	3.2	4.3	4.3	3.3
	7 8	53 64	1.6	1.7 1.7	1.8	2.2	1.7 3.3	55 66	2.3	2.7	3.0	2.9 3.1	1.1
	9	63	1.5	1.7	1.8	1.8	1.3	52	2.4	2.7	3.1	3.1	1.7
	10	52	1.5	1.7	1.8	1.8	1.0	54	2.4	2.8	3.2	3.1	1.7
	11	67	1.5	1.7	2.0	2.1	1.8	64	2.4	2.8	3.3	3.2	1.4
	12	44	1.7	1.8	2.0	2.3	2.4	40	2.2	2.7	2.9	2.8	1.0
	13	44	1.7	1.9	2.3	2.2	1.3	45	2.3	2.7	3.2	3.5	3.1
	14 15	64 21	1.6 1.4	1.7 1.6	2.1	2.3	2.7 1.1	61 17	2.3	2.7	3.3 2.7	3.1 2.4	1.6 0.4
	16	45	1.4	1.7	1.8	1.8	0.9	35	2.3	2.5	3.0	2.7	0.9
	17	74	1.6	1.7	1.9	2.0	1.2	51	2.3	2.6	2.8	2.6	0.7
	18	62	1.5	1.7	1.9	1.8	0.5	47	2.3	2.8	3.2	4.0	4.5
	19	71	1.5	1.7	1.7	1.8	0.9	77	2.2	2.5	2.8	2.8	1.5
	20	55	1.5	1.7	1.9	2.3	2.8	51	2.1	2.4	2.9	2.6	0.9
	21	43 59	1.5 1.5	1.7 1.7	1.8 2.0	2.6	1.2 4.0	45 56	2.1	2.5 2.5	2.9	4.0 2.9	4.3 1.9
	23	68	1.5	1.8	2.1	2.4	2.4	58	2.2	2.5	3.1	3.5	3.3
	24	64	1.6	1.7	1.9	2.1	1.8	62	2.0	2.5	2.9	3.0	2.9
	25	63	1.6	1.7	2.0	2.2	1.8	54	2.1	2.3	3.0	2.8	1.8
쑮	26	55	1.6	1.8	2.2	2.1	1.0	50	2.0	2.5	2.8	2.7	1.6
Week	27 28	58 63	1.6	1.9 2.1	2.1	2.3	2.7	42 58	2.1 1.9	2.4	2.8	2.9 3.0	2.7 3.2
	29	52	1.7	2.1	2.4	2.8	1.1 3.7	56	2.0	2.3	2.8	2.8	1.9
	30	51	1.8	1.9	2.2	2.2	0.9	42	1.9	2.5	3.5	4.6	5.2
	31	48	1.6	1.8	2.3	2.3	2.1	47	2.1	2.7	3.0	3.0	1.3
	32	71	1.7	1.9	2.2	2.1	0.6	62	2.2	2.6	3.1	3.0	2.5
	33	66	1.7	1.9	2.1	2.1	0.8	69	2.3	3.0	4.7	4.9	4.1
	34 35	54 70	1.7	1.8 1.8	2.1	2.2 1.9	1.2 0.3	40 64	2.3	3.3 2.7	10.8 3.4	7.0 3.2	6.4 1.8
	36	27	1.7	2.2	2.1	2.2	0.3	37	2.1	2.7	2.7	2.5	0.6
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	8	1.8	2.3	3.3	3.8	3.7	2	1.9	2.0	2.1	2.0	0.2
	39	3	2.0	2.0	2.1	2.1	0.1	3	1.8	1.8	2.5	2.3	0.7
	40	5 8	2.2	2.3	19.1 7.4	9.1 6.4	8.5 7.1	7 3	2.7	3.1 3.1	6.4	5.6 3.8	4.6 1.5
	41	4	12.9	18.7	22.0	16.1	7.1	5	2.8	3.1	4.5 3.5	5.2	4.4
	43	12	1.7	2.1	14.7	7.2	6.8	16	2.4	2.7	5.2	6.1	6.5
	44	12	1.9	2.1	2.5	3.6	5.1	11	2.8	3.1	3.7	4.8	5.3
	45	20	1.6	1.9	2.2	3.1	3.5	12	2.3	2.8	4.7	4.0	2.8
	46	71	1.7	1.9	2.2	2.4	2.6	66	2.3	2.7	3.8	4.1	4.0
	47 48	70 69	1.6	1.8 1.8	2.1	1.9	0.5 1.2	60 77	2.5	2.7	3.7	3.7 2.7	0.8
	48	58	1.7	1.8	1.9	2.1 1.9	0.8	66	2.3	2.5	3.2	2.7	1.0
	50	68	1.5	1.7	1.9	1.8	0.8	71	2.3	2.8	3.4	3.0	1.1
	51	56	1.5	1.7	2.1	1.9	0.7	56	2.3	3.0	5.2	5.0	4.6
	52	79	1.6	1.8	2.0	2.0	1.1	76	2.3	2.5	3.0	3.4	3.2
Ш	53	35	1.6	1.8	2.1	1.9	0.6	39	2.4	2.6	3.0	2.8	1.0

L	54		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me	Time I	Count		Percentil			Std.	Count		Percentil	e		Std.
Έ Y			25th	50th	75th	Avg.	<b>Dev.</b> 4.5		25th	50th	75th	Avg.	Dev.
Y	2014 Jan	2686 275	1.2	1.3	1.5	2.0	5.5	2548 287	1.8	2.3	2.9 3.2	2.8 3.1	3.1
	Feb	273	1.1	1.2	1.3	1.7	3.7	239	2.0	2.3	2.9	2.7	1.4
	Mar	276	1.1	1.3	1.4	1.9	5.0	249	1.9	2.3	2.9	2.7	2.2
	Apr	235	1.2	1.3	1.4	1.7	2.0	190	1.8	2.2	2.8	3.0	5.4
Ę.	May Jun	257 258	1.2	1.3	1.4	1.6	2.3 3.5	257 239	1.7	2.1	2.7 2.5	2.8	4.4 2.1
Month	Jul	250	1.3	1.5	1.7	2.4	5.9	215	1.7	2.1	2.7	2.5	2.8
	Aug	275	1.3	1.5	1.6	1.9	4.2	277	1.9	2.4	3.2	2.9	1.6
	Sep	23	1.4	1.6	1.7	3.9	11.0	35	1.8	2.3	3.5	3.4	4.5
	Oct Nov	33 241	1.6	1.8 1.4	7.6 1.6	9.4	14.5 3.2	24	2.5 1.9	3.8 2.3	6.7 3.2	8.0 2.9	11.0
	Dec	290	1.2	1.3	1.4	1.7	2.5	305	1.9	2.3	2.9	2.7	1.6
	1	28	1.1	1.1	1.3	4.5	12.3	33	1.9	2.3	2.7	2.4	0.8
	2	70	1.2	1.2	1.3	1.4	1.0	75	1.8	2.2	2.9	2.7	2.2
	3	67	1.1	1.2	1.3	2.0	4.2	59	1.9	2.3	3.2	2.8	1.9
	4 5	61 55	1.1	1.2	1.4 1.5	2.1	2.5 6.3	62 62	1.8 2.1	2.2	3.1 4.2	3.8	6.5 2.5
	6	69	1.2	1.3	1.4	2.6	7.0	56	2.0	2.4	3.2	2.8	1.2
	7	64	1.1	1.2	1.3	1.3	1.1	54	2.0	2.2	2.7	2.6	1.2
	8	71	1.1	1.2	1.3	1.5	1.2	73	2.1	2.3	2.8	2.7	1.4
	9	75 59	1.1	1.2 1.2	1.3	1.2 2.0	0.2 3.7	55 58	1.9	2.3	2.9 3.2	2.5	0.7 2.2
	11	77	1.1	1.2	1.3	1.8	4.4	73	1.9	2.4	3.1	3.1	3.5
	12	50	1.2	1.3	1.4	3.0	9.5	43	2.0	2.3	2.8	2.5	0.7
	13	54	1.2	1.3	1.5	1.4	0.2	54	1.8	2.2	2.6	2.4	8.0
	14	76	1.2	1.3	1.4	2.0	2.9	72	1.9	2.3	2.9	3.1	4.1
	15 16	27 44	1.1	1.2 1.2	1.3	1.9	2.8 0.6	16 38	1.6	1.7 2.1	2.4	6.2 2.3	16.1 0.9
	17	76	1.2	1.3	1.4	1.5	0.6	54	1.7	2.1	3.0	2.4	0.9
	18	63	1.1	1.3	1.5	1.4	0.9	54	2.0	2.3	2.8	2.4	0.6
	19	72	1.2	1.3	1.4	1.4	0.7	78	1.7	2.0	2.6	2.2	0.7
	20	55 43	1.2	1.2 1.2	1.3	1.7	2.3 0.3	52 43	1.7	2.2 1.8	2.8	2.9 4.3	2.8
	22	60	1.2	1.3	1.5	1.9	4.1	58	1.9	2.3	2.6	2.3	0.6
	23	64	1.2	1.4	1.6	2.4	3.8	57	1.7	2.0	2.4	2.4	1.3
	24	65	1.2	1.3	1.5	1.5	0.7	63	1.7	2.1	2.5	2.2	0.8
	25	65	1.2	1.3	1.5	2.2	5.7	53	1.6	2.0	2.6	2.3	1.0
Week	26 27	54 54	1.3	1.4 1.4	1.6 1.6	1.4	0.3	53 45	1.7	2.0	2.5 2.8	2.5	2.0 4.0
š	28	65	1.3	1.6	1.8	3.4	8.0	53	1.6	2.0	2.7	2.2	0.8
	29	52	1.4	1.5	1.8	2.1	3.1	53	1.8	2.1	2.5	3.2	5.5
	30	49	1.4	1.6	1.7	3.1	9.1	46	1.6	2.0	2.4	2.2	0.9
	31 32	49 68	1.3 1.4	1.4 1.5	1.7	1.6 1.8	0.5 1.5	47 62	1.8 1.9	2.2	2.8 3.1	2.4 3.1	0.8 2.1
	33	65	1.3	1.5	1.7	1.9	1.5	67	1.9	2.4	3.6	3.0	1.4
	34	53	1.3	1.4	1.6	2.8	9.1	59	2.0	2.3	2.8	2.7	1.2
	35	68	1.3	1.4	1.6	1.5	0.3	62	1.9	2.5	3.3	2.9	1.7
	36 37	27 0	1.3	1.5	1.6	1.5	0.2	41 0	1.8	2.4	3.5	3.3	4.2
	38	7	1.4	1.4	1.6	1.5	0.2	4	2.0	3.0	4.0	3.0	1.2
	39	0		-	-	-	-	0	-	-		-	-
	40	1	55.4	55.4	55.4	55.4	0.0	2	2.6	2.6	2.7	2.6	0.1
	41	8	1.6	9.3	28.3	14.8	14.2	3	2.3	2.9	27.5	18.9	23.5
	42 43	2 11	4.6 1.6	8.0 2.1	11.4 5.5	8.0 10.2	6.8 17.5	8	5.5 2.3	5.5 7.3	5.5 18.6	5.5 9.6	7.6
	44	12	1.6	1.7	2.2	5.2	10.7	11	2.5	3.8	4.2	4.6	4.6
	45	17	1.3	1.4	1.5	2.3	3.9	19	2.0	2.3	3.1	3.1	2.7
	46	73	1.3	1.4	1.7	2.6	4.9	65	1.9	2.3	3.1	2.9	1.9
	47 48	71 66	1.2	1.4 1.4	1.6	1.6 2.1	1.4 2.3	61 75	2.1 1.9	2.4	3.4	3.1 2.7	1.7
	49	59	1.3	1.4	1.7	2.6	4.7	67	1.8	2.4	2.9	2.6	1.5
	50	66	1.2	1.3	1.3	1.5	1.3	69	2.1	2.4	3.1	2.6	0.7
	51	56	1.1	1.3	1.4	1.3	0.2	62	1.9	2.5	3.0	3.1	2.8
	52	88	1.2	1.3	1.5	1.7	2.1	79	1.9	2.2	2.8	2.5	1.0
ш	53	35	1.2	1.3	1.4	1.3	0.2	39	1.9	2.3	2.8	2.4	8.0

L	55		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	)
me L	Time F	Count	F	Percentil	е		Std.	Count	- 1	Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	2737	0.8	0.9	1.0	1.0	0.5	2593	1.2	1.3	1.6	1.5	0.7
	Jan Feb	279 277	0.8	0.8	0.9	0.9	0.2	290 244	1.2	1.4 1.4	1.6 1.7	1.5 1.7	1.3
	Mar	279	0.8	0.8	0.9	0.9	0.2	252	1.2	1.4	1.6	1.4	0.3
	Apr	241	0.8	0.8	1.0	1.0	0.7	196	1.2	1.3	1.5	1.4	0.6
ے	May	260	0.8	0.9	0.9	1.0	8.0	255	1.2	1.3	1.5	1.4	0.4
Month	Jun	263	0.8	0.9	1.1	1.0	0.5	239	1.1	1.2	1.4	1.3	0.4
2	Jul Aug	248 278	0.8	1.0 0.9	1.2	1.1	0.4	220 281	1.0	1.2	1.4 1.7	1.3	0.9
	Sep	22	0.9	1.0	1.1	1.1	0.4	35	1.1	1.3	1.5	1.3	0.4
	Oct	55	0.8	0.9	1.1	1.0	0.4	46	1.1	1.2	1.5	1.3	0.3
	Nov	239	0.8	0.9	1.0	1.0	0.3	232	1.2	1.4	1.7	1.5	0.4
	Dec	296	0.8	0.9	1.0	0.9	0.6	303	1.2	1.4	1.7	1.6	1.1
	2	32 71	0.8	0.8	0.9	0.9	0.4	33 75	1.3	1.5 1.4	1.6 1.6	1.4 1.5	0.3
	3	69	0.8	0.8	0.9	0.9	0.1	64	1.2	1.4	1.6	1.5	0.7
	4	56	0.8	0.8	0.9	0.9	0.2	60	1.3	1.4	1.6	1.5	0.3
	5	58	0.8	0.8	1.0	0.9	0.1	63	1.3	1.5	1.7	1.5	0.4
	6	67	0.8	0.8	1.0	0.9	0.4	56 50	1.3	1.4	1.8	1.9	1.8
	7 8	68 71	0.8	0.8	0.9	0.9	0.2	58 72	1.3	1.4 1.5	1.7 1.7	1.6 1.9	0.9 1.6
	9	75	0.8	0.8	0.9	0.8	0.1	58	1.3	1.4	1.6	1.5	0.2
	10	60	0.8	0.8	0.9	0.8	0.1	56	1.3	1.4	1.6	1.4	0.2
	11	76	0.8	0.8	0.9	0.9	0.1	75	1.2	1.4	1.7	1.5	0.4
	12	52	0.8	0.9	0.9	0.9	0.1	42	1.2	1.3	1.5	1.4	0.3
	13	56	0.8	0.9	1.1	1.0	0.2	56	1.1	1.3	1.5	1.3	0.3
	14 15	76 29	0.8	0.9	0.9	1.0 0.9	1.1 0.1	74 17	1.2	1.3 1.2	1.5 1.4	1.4	0.3
	16	47	0.8	0.8	0.9	0.9	0.1	40	1.2	1.3	1.7	1.7	1.2
	17	77	0.8	0.9	1.0	0.9	0.2	56	1.2	1.3	1.4	1.4	0.5
	18	64	0.8	0.8	0.9	1.0	0.6	56	1.2	1.3	1.5	1.4	0.3
	19	72	0.8	0.8	0.9	1.0	0.6	77	1.2	1.3	1.6	1.4	0.3
	20	58 43	0.8	0.9	0.9	1.2 0.9	1.4 0.2	52 42	1.1	1.3 1.2	1.5 1.4	1.3	0.4
	22	59	0.8	0.9	1.0	0.9	0.2	55	1.1	1.3	1.5	1.4	0.0
	23	65	0.8	0.9	1.1	1.1	0.6	60	1.1	1.2	1.4	1.2	0.2
	24	62	0.8	0.9	1.0	1.0	0.6	63	1.1	1.3	1.4	1.3	0.3
	25	70	0.8	0.9	1.1	1.1	0.6	54	1.1	1.2	1.5	1.4	0.7
송	26	56	0.8	1.0	1.1	1.0	0.2	52	1.0	1.2	1.4	1.2	0.3
Week	27 28	55 63	0.8	0.9 1.1	1.1	1.0	0.2	43 54	1.1	1.3	1.4 1.4	1.4	0.7
	29	53	0.9	1.0	1.2	1.1	0.3	52	1.1	1.2	1.4	1.2	0.2
	30	46	0.9	1.0	1.1	1.1	0.5	49	1.0	1.2	1.4	1.5	1.7
	31	50	0.8	0.9	1.1	1.0	0.2	50	1.1	1.3	1.5	1.3	0.3
	32	68	0.8	1.0	1.1	1.0	0.2	60	1.2	1.3	1.6	1.4	0.4
	33 34	66 54	0.8	1.0 0.9	1.1	1.0 0.9	0.2	69 60	1.2	1.3 1.3	1.6 1.6	1.5 1.4	0.8
	35	69	0.8	1.0	1.1	1.1	0.2	64	1.1	1.5	1.8	1.7	1.1
	36	28	0.9	1.0	1.2	1.2	0.5	39	1.1	1.3	1.6	1.4	0.4
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	6	0.9	1.0	1.1	1.0	0.1	5	1.0	1.0	1.1	1.1	0.1
	39 40	0	-	-	-	-	-	0 1	17	17	17	- 17	-
	40	9	0.9	1.0	1.1	1.0	0.1	9	1.7	1.7	1.7 1.2	1.7	0.0
	42	6	0.9	1.0	1.1	1.0	0.1	8	1.1	1.3	1.4	1.2	0.3
	43	20	0.8	0.9	1.0	1.1	0.5	13	1.2	1.2	1.3	1.2	0.2
	44	20	0.9	1.0	1.1	1.0	0.3	16	1.1	1.4	1.8	1.5	0.4
	45	16	0.9	1.0	1.0	1.1	0.5	19	1.4	1.5	1.7	1.5	0.2
	46	71	0.8	0.9	1.0	0.9	0.2	65 62	1.2	1.4	1.7	1.4	0.3
	47 48	72 66	0.8	0.9	1.0	1.0	0.2	62 75	1.3	1.4 1.4	1.7 1.8	1.5 1.5	0.3
	49	58	0.8	0.9	1.0	1.1	1.2	66	1.2	1.3	1.5	1.6	1.6
	50	69	0.8	0.9	0.9	0.9	0.2	71	1.3	1.5	1.7	1.5	0.3
	51	60	0.8	0.9	1.0	0.9	0.1	59	1.2	1.4	1.6	1.6	1.4
	52	88	0.8	0.9	1.0	1.0	0.7	80	1.3	1.3	1.7	1.6	0.9
Ш	53	35	0.8	0.9	1.0	0.9	0.2	38	1.3	1.5	1.7	1.5	0.4

L	56		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е	  -	Std.
			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014	2334	0.8	0.8	1.2	1.6	1.9 1.6	2189	1.0	1.2	1.6	1.9	1.9
	Jan Feb	245 229	0.7	0.8	0.9	1.3 1.4	1.8	270 215	1.2	1.3	1.8 1.9	2.0	2.1
	Mar	244	0.7	0.8	1.1	1.7	2.1	218	1.1	1.3	1.5	1.8	1.7
	Apr	209	0.8	0.8	1.2	1.5	1.8	162	1.1	1.2	1.5	2.0	2.0
ا ـ ا	May	216	0.7	0.8	1.1	1.6	2.0	204	1.0	1.2	1.4	1.8	1.7
Month	Jun	230	0.8	0.9	2.1	1.8	1.9	196	1.0	1.1	1.4	1.8	1.8
Σ	Jul	222	0.8	1.0	1.8	1.9	2.0	193	0.9	1.1	1.6	1.8	1.7
	Aug Sep	239 14	0.8	0.9 1.0	1.6	1.8 1.9	2.4	229 28	1.0 0.9	1.1	1.7	2.0 1.5	1.5
	Oct	43	0.8	0.9	1.0	1.2	0.9	38	0.9	1.0	1.3	1.7	1.9
	Nov	194	0.8	0.8	1.0	1.6	1.8	182	1.1	1.2	1.6	2.1	2.1
	Dec	249	0.8	0.8	1.2	1.6	1.9	254	1.1	1.2	1.6	2.0	1.9
	1	30	0.7	0.7	0.9	1.4	1.7	37	1.3	1.5	1.8	2.0	1.3
	3	62 63	0.7	0.8	0.9 1.0	1.1	1.0	69 60	1.2	1.3	1.7 3.0	2.1	1.9
	4	47	0.7	0.8	0.9	1.3	1.7	56	1.1	1.3	1.5	1.7	1.7
	5	49	0.8	0.8	1.0	1.7	2.2	54	1.1	1.3	1.4	1.7	1.5
	6	55	0.7	0.8	0.9	1.4	1.8	43	1.1	1.3	1.5	2.0	1.9
	7	58	0.7	0.7	0.8	1.2	1.6	56	1.2	1.4	1.7	1.9	1.5
	8	60	0.7	0.8	0.8	1.3	1.7	65	1.2	1.3	3.3	2.6	2.5
	9	59 58	0.7	0.8	1.0 0.8	1.6 1.6	2.0	48 51	1.2	1.3	2.1 1.7	2.4 1.7	2.4 1.0
	11	63	0.8	0.8	1.3	1.0	2.1	62	1.2	1.3	1.4	1.8	1.6
	12	47	0.7	0.8	1.3	1.8	2.2	37	1.1	1.2	1.4	1.8	1.9
	13	48	0.8	0.9	1.9	1.6	1.7	48	1.0	1.1	1.4	1.7	1.7
	14	61	0.8	8.0	1.1	1.5	1.8	64	1.0	1.1	1.4	1.9	2.0
	15	28	0.7	0.8	0.9	1.1	1.0	13	0.9	1.1	1.2	1.1	0.2
	16 17	47	0.7	0.8	2.5	1.7 1.5	1.7	36 45	1.1	1.2	1.7	2.0	1.9
	18	64 54	0.8	0.8	1.0	2.1	1.8 2.7	43	1.1	1.2	2.8	2.3	2.0
	19	61	0.7	0.8	1.8	1.8	2.1	63	1.1	1.2	1.4	1.6	1.6
	20	47	0.8	0.8	1.1	1.5	1.9	44	1.0	1.0	1.3	1.6	1.5
	21	34	0.7	8.0	8.0	1.1	1.0	33	1.0	1.2	1.3	1.9	1.8
	22	48	0.7	0.8	1.0	1.5	1.8	42	1.0	1.1	1.5	2.0	2.1
	23 24	52 56	0.8	1.0 0.8	2.9 1.5	2.2 1.6	2.2 1.7	45 55	0.9 1.0	1.1	1.3 1.5	1.4 1.8	1.4
	25	63	0.8	0.9	1.6	1.8	2.0	45	1.0	1.1	1.7	2.0	2.1
یا	26	49	0.8	0.9	2.4	1.7	1.4	40	0.9	1.0	1.3	1.9	1.9
Week	27	50	0.8	1.0	3.1	2.2	2.2	39	0.9	1.1	1.5	1.8	1.6
_	28	62	0.8	1.0	1.7	1.9	2.0	51	8.0	1.1	1.8	1.8	1.7
	29 30	49 39	0.8	1.0	1.3	1.8 1.8	1.9 1.8	47 41	0.9	1.1	1.3	1.7 1.9	1.5 1.6
	31	38	0.8	0.8	0.9	1.4	1.7	38	0.9	1.0	1.2	1.8	1.0
	32	56	0.8	0.9	1.3	1.7	2.1	51	0.9	1.1	2.2	2.1	2.0
	33	63	0.8	0.9	1.5	1.7	1.8	59	1.0	1.2	1.6	1.8	1.8
	34	48	0.8	0.9	2.1	1.9	2.0	49	0.9	1.2	1.3	2.2	2.3
	35	57	0.8	0.9	2.2	2.0	2.2	50	1.0	1.2	2.2	2.1	1.9
	36 37	19 0	0.8	1.0	1.1	1.6	1.9	32 0	0.9	1.0	1.3	1.6	1.4
	38	4	0.8	1.0	2.5	2.3	2.5	4	1.0	1.0	1.0	1.0	0.1
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41	8	0.8	0.9	1.0	0.9	0.1	8	1.0	1.1	2.2	2.6	3.0
	42 43	4 17	0.9	0.9	1.2	1.2 0.9	0.6	4 11	1.0	1.0	0.8 1.0	0.8 1.0	0.0
	44	14	0.8	0.9	1.0	1.6	1.5	15	1.0	1.1	1.3	1.8	1.9
	45	10	0.8	0.8	0.9	1.3	1.4	14	1.1	1.2	3.3	2.5	2.5
	46	59	0.8	0.9	1.2	1.8	2.3	51	1.0	1.2	1.5	1.7	1.7
	47	58	0.8	0.8	1.0	1.4	1.6	46	1.1	1.2	1.6	2.1	2.1
	48	56	0.8	0.8	1.0	1.5	1.7	63	1.1	1.2	1.6	2.3	2.4
	49 50	45 66	0.8	0.8	1.0	1.5 1.6	1.5 1.7	56 65	0.9 1.2	1.1	1.5 1.8	1.8 2.3	1.7 2.2
	51	46	0.7	0.8	2.5	2.1	2.4	45	1.1	1.2	1.5	1.6	1.1
	52	74	0.8	0.8	1.1	1.4	1.7	64	1.0	1.2	1.5	1.8	1.6
	53	29	0.8	0.8	1.1	1.6	1.7	32	1.1	1.3	1.8	2.3	2.3

## Appendix C: Upper Mississippi River Additional Results

Below are the summary tables for each link. Each table contains the following estimates for a link: number of transits (labeled "count"), 25th, 50th, and 75th percentile travel times, average travel time, and standard deviation of travel time. The tables provide the results by direction of travel. In addition, the tables provide the results by the following time periods: annual, monthly, and weekly. This disaggregation is to support future studies that may want to consider different factors, such as water level, that affect travel time. Note, the tables label the weeks by number, and Table 22 in Appendix B provides the corresponding dates for each week number for both 2013 and 2014. Note, the study did not add table captions in the interest of space. Each table contains its link number in the first row of the table. The study provides the tables in link order from 1 through 59. Results for 2013 are provided first for all links, and then results for 2014 are provided for all links.

**Travel Time Estimate Results by Link, 2013** 

L	1		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				nt		ercentil		1000	
Time I	Time	Count				1	Std.	Count					Std.
Y	2013	97	<b>25th</b> 1.6	<b>50th</b>	<b>75th</b> 2.0	<b>Avg.</b> 2.8	<b>Dev.</b> 7.1	96	<b>25th</b> 1.6	<b>50th</b>	<b>75th</b> 1.9	<b>Avg.</b> 2.0	<b>Dev.</b> 2.9
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	5	1.6	1.7	1.9	1.7	0.1	6	1.7	1.7	1.8	1.8	0.1
ے	May	11	1.4	1.7	2.5	2.1	0.9	10	1.7	1.8	1.9	1.8	0.3
Month	Jun Jul	10 18	1.4	1.8 1.8	1.8 2.1	1.8 2.0	0.7	10 18	1.6 1.5	1.8	1.8 2.0	1.7 1.8	0.2
≥	Aug	14	1.6	1.9	2.0	6.6	17.1	13	1.6	1.7	1.7	1.7	0.3
	Sep	12	1.8	1.9	2.1	3.9	6.5	12	1.5	1.7	1.9	4.0	8.0
	Oct	13	1.5	1.6	1.7	1.6	0.2	13	1.5	1.6	1.8	1.6	0.2
	Nov	14	1.5	1.6	1.8	1.6	0.2	14	1.6	1.8	1.9	1.7	0.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-		-	-	0	-	-	-	-	
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
1	11	0		-	-	<del>-</del>	-	0	-	-	<del>-</del>	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16 17	3	1.6	- 1.6	1.8	17	0.2	3	1.7	1.7	1.7	1.7	0.0
	18	3	1.8	1.6 1.9	3.0	1.7 2.6	1.1	3	1.7 1.5	1.8	1.9 1.7	1.8 1.6	0.1
	19	2	1.5	1.5	1.6	1.5	0.1	1	1.6	1.6	1.6	1.6	0.0
	20	3	1.3	1.3	1.7	1.5	0.3	3	1.9	1.9	1.9	1.9	0.0
	21	4	2.2	2.5	2.7	2.3	0.6	4	1.7	2.0	2.2	1.9	0.2
	22	1	1.7	1.7	1.7	1.7	0.0	1	1.7	1.7	1.7	1.7	0.0
	23 24	3 4	1.8 1.1	1.8 1.2	2.6	2.3 1.4	0.8	3	1.5 1.7	1.7	1.8 1.9	1.7 1.8	0.2
	25	3	1.8	1.8	1.6	1.8	0.0	3	1.6	1.8	1.8	1.7	0.2
Ļ	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	2	1.5	1.5	1.6	1.5	0.1	2	1.9	1.9	2.0	1.9	0.1
>	28	5	1.7	1.8	2.1	1.8	0.4	5	1.6	1.8	2.0	1.9	0.4
	29	5	1.7	1.7	1.7	1.7	0.1	5	1.5	1.5	1.8	1.7	0.3
	30	4	2.1 1.7	2.2 1.9	2.6	2.5	0.8	4	1.4	1.5	1.7	1.6 1.6	0.3
1	31	1	68.3	68.3	68.3	68.3	0.4	1	1.5	1.6 1.7	1.7	1.6	0.2
ĺ	33	4	1.9	2.0	2.0	1.9	0.1	4	1.8	1.9	2.0	1.9	0.2
ĺ	34	2	1.7	1.8	2.0	1.8	0.3	1	1.6	1.6	1.6	1.6	0.0
1	35	5	1.5	1.8	1.8	1.7	0.2	5	1.5	1.6	1.7	1.6	0.1
ĺ	36	2	1.9	1.9	1.9	1.9	0.0	2	1.4	1.5	1.6	1.5	0.2
1	37	3	1.8	1.9 1.7	2.0 1.9	1.9 1.8	0.2	3	1.8 1.4	1.9 1.7	2.0 1.8	1.9	0.2
ĺ	38 39	4	1.7	2.0	8.0	7.8	0.2 10.1	4	1.4	1.7	9.0	1.6 8.9	12.4
1	40	3	1.6	1.7	2.2	2.0	0.5	3	1.4	1.6	1.7	1.6	0.2
ĺ	41	3	1.2	1.2	1.5	1.4	0.2	3	1.6	1.7	1.8	1.7	0.2
1	42	1	1.5	1.5	1.5	1.5	0.0	1	1.9	1.9	1.9	1.9	0.0
ĺ	43	5	1.5	1.7	1.7	1.6	0.2	5	1.5	1.5	1.8	1.6	0.2
1	44 45	2	1.6 1.5	1.7 1.5	1.9 1.6	1.8 1.5	0.2	2	1.5 1.9	1.6 1.9	1.7 1.9	1.6 1.9	0.2
ĺ	46	6	1.5	1.5	1.6	1.6	0.1	6	1.7	1.8	2.0	1.8	0.0
1	47	4	1.8	1.8	1.8	1.8	0.1	4	1.2	1.5	1.9	1.5	0.2
ĺ	48	1	1.4	1.4	1.4	1.4	0.0	1	1.2	1.2	1.2	1.2	0.0
1	49	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52 53	0	-	-	-	-	-	0	-	-	-	-	-
_	- 55	Ť						_ ~					

L	2		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
ŗ	e Pd.	nt		ercenti				Ħ		ercentil			
Time I	Time	Count	25th	50th	75th	Ava	Std. Dev.	Count	25th	50th	75th	A	Std. Dev.
Ÿ	2013	96	1.4	1.6	2.2	<b>Avg.</b> 2.9	5.4	93	1.5	1.7	2.1	<b>Avg.</b> 2.9	5.5
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	2	5.4	9.3	13.2	9.3	7.8	1	1.7	1.7	1.7	1.7	0.0
_	May	11	1.3	1.4	1.5	1.4	0.2	11	1.7	1.8	2.1	3.7	5.5
Month	Jun	10	1.4	1.6	1.9	1.6	0.4 4.0	10	1.7	1.8	2.5 2.1	2.9	2.8
Σ	Jul Aug	18 16	1.5 1.5	1.8 2.1	2.5	3.1 4.9	10.8	17 15	1.5 1.5	1.7	2.1	4.0 1.9	9.2
	Sep	12	1.8	2.0	2.5	3.5	4.7	12	1.4	1.5	1.9	4.1	8.3
	Oct	13	1.3	1.6	1.7	1.6	0.5	13	1.5	1.7	2.0	1.8	0.3
	Nov	14	1.5	1.6	1.7	1.8	0.7	14	1.6	2.0	2.1	1.9	0.4
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0					-	0	-	-	-	-	
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0			-	-		0	-				
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0		-				0			-		-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	3	1.5	1.5	9.3	6.7	7.4	2	1.5	1.5	1.6	1.5	0.1
	19	2	1.4	1.4	1.4	1.4	0.0	2	6.6	11.4	16.1	11.4	9.5
	20 21	3 4	1.2 1.4	1.2 1.5	1.3	1.2 1.5	0.1	3	1.8 1.7	1.8	2.1	2.0	0.3
	22	1	1.6	1.6	1.6	1.6	0.2	1	1.7	1.7	1.7	1.7	0.7
	23	3	1.3	1.4	1.6	1.5	0.3	3	1.8	2.1	2.3	2.1	0.4
	24	4	1.3	1.7	2.1	1.7	0.6	4	1.8	1.8	4.1	4.1	4.0
	25	3	1.6	1.7	1.8	1.7	0.2	3	1.6	1.7	2.5	2.2	0.8
χ	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	2	1.3	1.4	1.5	1.4	0.2	2	1.9	2.0	2.1	2.0	0.2
	28 29	5 5	1.4 1.5	1.5 1.7	2.5	1.9 2.0	0.6	4 5	1.6 1.5	1.9	11.8 1.7	11.5 1.7	17.0 0.2
	30	3	1.8	2.1	2.2	1.9	0.3	4	1.5	1.6	1.8	1.7	0.2
	31	5	1.8	2.5	7.9	6.4	6.4	4	1.5	1.5	1.7	1.6	0.2
	32	2	12.8	24.1	35.4	24.1	22.6	2	2.6	3.2	3.9	3.2	1.3
	33	4	1.6	1.8	2.2	1.9	0.4	4	1.8	2.0	2.1	1.9	0.3
	34	3	1.7	2.2	2.7	2.2	0.9	2	1.4	1.5	1.6	1.5	0.2
	35	5	1.7	2.2	3.0	2.3	0.7	5	1.5	1.7	1.7	1.6	0.1
	36 37	2	1.9 1.8	2.1 1.9	2.3	2.1 1.9	0.4	2	1.4 1.5	1.5 1.6	1.5 1.7	1.5 1.6	0.1
	38	3	2.4	2.6	3.0	2.7	0.2	3	1.5	1.7	2.0	1.8	0.2
	39	4	1.7	1.9	6.1	6.0	7.4	4	1.4	1.7	9.4	9.1	13.1
	40	3	1.5	1.7	1.8	1.6	0.2	3	1.5	1.5	1.6	1.5	0.1
	41	3	1.1	1.1	1.3	1.3	0.2	3	1.8	1.9	1.9	1.8	0.1
	42	1	1.3	1.3	1.3	1.3	0.0	1	2.0	2.0	2.0	2.0	0.0
	43	5	1.3	1.6	2.8	1.9	0.7	5	1.5	1.6	2.0	1.8	0.4
	44	3	1.6	1.6	1.8	1.7	0.2	3	1.5	1.6	1.8	1.7	0.2
	45 46	6	2.1 1.4	2.7 1.5	3.2 1.6	2.7 1.5	1.1 0.1	6	2.1 1.7	2.2	2.3	2.2	0.1
	46	4	1.7	1.5	2.1	2.0	0.1	4	1.7	1.7	2.1	1.7	0.4
	48	1	1.4	1.4	1.4	1.4	0.0	1	1.3	1.3	1.3	1.3	0.0
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
Щ	53	0	-	-	-	-	-	0	-	-	-	-	-

L	3		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
ŗ	e Pd.	T .		ercenti				Ħ		ercentil			
Time I	Time F	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Ÿ	2013	24	3.0	5.8	12.0	8.0	5.8	21	3.7	5.4	9.6	7.9	5.2
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	2	5.3	7.2	9.0	7.2	3.7	0	-	-	-	-	-
ቱ	May Jun	1	6.0 18.4	6.2 18.4	6.4 18.4	6.2 18.4	0.4	3	3.5 10.7	3.7 15.9	4.5 16.5	4.1 12.8	0.9 5.2
Month	Jul	2	3.0	3.0	3.0	3.0	0.0	3	4.4	5.4	7.1	5.9	2.3
[-	Aug	6	4.9	7.8	14.1	9.1	5.4	4	2.6	3.6	6.7	5.7	4.3
	Sep	3	3.0	3.9	10.5	7.7	6.7	1	6.6	6.6	6.6	6.6	0.0
	Oct	6	3.0	4.5	14.4	8.3	6.7	6	5.8	6.8	13.0	9.7	6.1
	Nov	2	4.8	6.7	8.5	6.7	3.8	1	9.6	9.6	9.6	9.6	0.0
	Dec 1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	_	-	-	-		0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	0	-	-	-	-	-	0	-	-	-	-	-
	16	1	10.8	10.8	10.8	10.8	0.0	0	-		-	-	-
	17	1	3.5	3.5	3.5	3.5	0.0	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	1	6.6	6.6	6.6	6.6	0.0	2	4.1	4.5	4.9	4.5	8.0
	20	0	5.8	5.8	5.8	5.8	0.0	0	3.2	3.2	3.2	3.2	0.0
	21	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	1	18.4	18.4	18.4	18.4	0.0	3	10.7	15.9	16.5	12.8	5.2
송	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27 28	1	2.9	2.9	2.9	2.9	0.0	2	4.7	6.1	- 7.5	6.1	2.7
	29	1	3.1	3.1	3.1	3.1	0.0	1	5.4	5.4	5.4	5.4	0.0
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	1	9.3	9.3	9.3	9.3	0.0	0	-	-	-	-	-
	32	1	6.3	6.3	6.3	6.3	0.0	2	3.1	3.6	4.1	3.6	1.0
	33	2	15.9	16.2	16.5	16.2	0.5	1	12.9	12.9	12.9	12.9	0.0
	34 35	1	2.3 4.4	2.3 4.4	2.3 4.4	2.3 4.4	0.0	0	2.6	2.6	2.6	2.6	0.0
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	1	3.9	3.9	3.9	3.9	0.0	0	-	-	-	-	-
	39	2	5.8	9.6	13.3	9.6	7.5	1	6.6	6.6	6.6	6.6	0.0
	40	1	5.8	5.8	5.8	5.8	0.0	1	20.7 6.8	20.7 6.8	20.7 6.8	20.7 6.8	0.0
	42	0	-	-	-	-	-	1	15.0	15.0	15.0	15.0	0.0
	43	3	2.9	3.3	10.7	7.9	7.2	3	4.5	5.4	6.2	5.3	1.4
	44	3	6.7	10.4	13.9	10.2	5.9	1	9.6	9.6	9.6	9.6	0.0
	45	1	2.9	2.9	2.9	2.9	0.0	0	-	-	-	-	-
	46	0	-	-	-	-	-	0	-	-	-	-	-
	47 48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	4		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit	-6			vel Tim			ur)					ate (hou	ır)
Ē	e Pd.	ī		ercenti				i i		ercentil			
Time	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	286	1.3	1.6	1.9	1.8	1.2	287	1.7	2.0	2.3	2.3	1.5
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	23	1.2	1.3	1.5	1.4	0.2	27	1.8	2.1	2.4	2.3	0.7
£	May Jun	41 35	1.3	1.5 1.4	1.6	1.7 1.8	1.5 2.4	41 33	1.8 1.9	2.1	2.3	2.3	0.3
Month	Jul	30	1.3	1.5	1.7	1.5	0.3	35	2.0	2.1	2.5	2.8	2.1
[	Aug	31	1.5	1.7	2.0	1.7	0.4	32	1.6	2.0	2.3	2.2	1.7
	Sep	38	1.7	1.8	2.0	1.9	1.0	38	1.7	1.9	2.2	2.1	8.0
	Oct	47	1.6	1.8	2.0	1.8	0.3	44	1.8	2.0	2.3	2.1	0.6
	Nov	39	1.7	1.9	2.1	2.1	1.6	35	1.3	1.8	2.7	2.8	2.6
-	Dec	2	0.9	0.9	0.9	0.9	0.0	2	1.2	1.2	1.2	1.2	0.0
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	- 0.4	- 0.5	-
	15 16	7	1.1	1.2	1.2	1.2	0.1	7 16	2.1 1.8	2.3 1.9	2.4	2.5 2.1	0.9
	17	8	1.5	1.6	1.6	1.6	0.2	3	2.2	2.3	3.0	2.7	0.7
	18	4	1.5	1.5	4.0	3.9	4.2	3	1.8	1.8	2.4	2.2	0.5
	19	12	1.3	1.4	1.5	1.4	0.2	12	1.9	2.2	2.4	2.5	1.3
	20	9	1.4	1.6	1.6	1.6	0.3	8	1.9	2.0	2.4	2.3	8.0
	21	10	1.4	1.5	1.6	1.4	0.2	13	1.9	2.1	2.3	2.0	0.3
	22	8 10	1.3	1.5 1.6	1.7	1.5 1.7	0.2	9	1.9 1.9	2.1	2.3	2.4	0.2
	24	5	1.2	1.5	1.5	1.3	0.3	4	1.2	1.8	2.3	1.7	0.5
	25	11	1.2	1.4	1.5	1.4	0.3	11	1.7	1.9	2.1	1.8	0.3
ž	26	6	1.2	1.3	1.4	3.6	5.3	7	2.1	2.2	2.3	2.2	0.2
Week	27	10	1.1	1.2	1.3	1.2	0.1	10	1.9	2.1	2.5	3.3	3.5
ľ	28	4	1.7	1.7	1.7	1.7	0.1	6	2.4	2.4	2.6	2.6	0.5
	29 30	10 4	1.4 1.6	1.5 1.8	1.7 1.9	1.6 1.7	0.2	8	2.0	2.2	2.4 4.6	2.1 3.3	0.3 1.5
ĺ	31	10	1.6	1.7	1.8	1.6	0.2	9	1.7	2.0	2.5	2.2	0.6
	32	3	1.2	1.5	1.7	1.4	0.4	5	2.2	2.2	2.3	2.0	0.5
ĺ	33	10	1.6	1.9	2.1	1.8	0.4	7	2.0	2.1	2.8	3.5	3.3
	34	6	1.4	1.5	1.6	1.6	0.5	10	1.6	1.7	2.1	1.9	0.4
	35 36	6 11	1.7	2.1 1.7	1.9	2.0 1.7	0.4	10	1.2	1.3 2.0	1.7 2.4	1.5 2.2	0.5
	37	10	1.8	1.7	2.0	1.7	0.3	10	1.8	1.9	2.4	1.9	0.6
	38	7	1.8	1.8	1.9	1.8	0.2	8	1.7	1.7	2.0	2.3	1.4
	39	8	1.4	1.8	1.9	2.4	2.0	6	1.8	2.0	2.4	2.1	0.3
ĺ	40	7	1.8	1.9	2.0	1.9	0.2	7	1.8	2.1	2.6	2.3	0.9
	41	11	1.5	1.8	1.9	1.7	0.3	11	1.7	1.8	2.0	1.9	0.2
	42	10 13	1.9 1.6	2.0 1.7	2.0 1.9	1.9 1.7	0.3	13 13	1.8 2.0	1.9 2.1	2.1 2.5	1.9 2.3	0.4
ĺ	43	10	1.6	1.7	2.1	1.8	0.3	6	2.0	2.1	3.4	2.8	0.6
	45	9	1.7	2.0	2.0	1.9	0.2	6	2.0	2.3	5.2	4.4	4.0
	46	7	1.8	2.0	2.1	1.9	0.3	7	1.8	1.9	2.0	1.9	0.3
ĺ	47	14	1.8	1.9	2.1	2.5	2.5	14	1.3	1.6	2.8	3.0	2.7
	48	7	1.4	1.9	2.3	1.9	0.7	6	1.3	1.4	1.4	1.8	1.2
ĺ	49	2	0.9	0.9	0.9	0.9	0.0	2	1.2	1.2	1.2	1.2	0.0
	50 51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52	0	-	-	-	-		0	-	-	-	-	-
L	53	0						0	-	-	-	-	-
_					_				_	_	_	_	

L	5		Dov	vnstrea	m Dire	ction			Į	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (ho	ır)
o l	e P	Ĭ	Р	ercenti	le		Std.	ţ	Р	ercentil	le		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	299	2.6	3.6	4.3	4.4	5.8	303	2.8	3.9	4.6	4.2	3.1
	Jan	0	-	-	-	-	-	0	-	-	-	-	
	Feb	0	-	-	-	-	•	0	-	-	-	-	
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	23	1.8	2.2	3.1	2.4	0.8	27	3.5	4.1	4.5	4.0	1.2
اء	May	40	2.3	3.1	3.8	3.3	1.6	41	2.7	3.6	3.9	4.1	4.1
Month	Jun	33	2.6	3.4	3.8	5.4	9.7	32	2.8	3.8	4.2	4.3	3.9
Σ	Jul	30	2.7	3.3	4.0	4.3 4.1	5.1 3.2	34	3.4	4.0 3.9	4.9 4.6	4.0	1.3 4.5
	Aug Sep	43	3.5	4.1	5.1	6.6	10.7	33 42	3.7	4.4	4.8	4.5	1.8
	Oct	54	2.6	3.7	4.3	3.6	1.5	55	2.7	4.1	4.9	4.6	3.6
	Nov	42	3.6	4.0	4.8	4.7	2.5	38	2.0	3.0	4.4	3.4	1.7
	Dec	1	1.3	1.3	1.3	1.3	0.0	1	7.4	7.4	7.4	7.4	0.0
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-		-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	0	-	-	-	-	-	0	-	-	-	-	-
	15	7	1.7	1.7	2.0	2.0	0.7	8	4.1	4.5	4.9	4.5	0.5
	16	7	1.8	1.8	2.1	1.9	0.7	15	3.6	3.9	4.3	4.0	1.4
	17	8	2.7	3.1	3.5	3.0	0.6	3	2.7	3.1	3.2	2.9	0.4
	18	4	3.6	3.7	5.6	5.5	3.3	4	2.7	3.0	3.5	3.1	0.7
	19	9	2.3	3.1	3.8	3.2	0.9	10	3.2	3.7	3.8	4.1	2.1
	20	10	2.2	2.7	3.2	2.7	0.5	9	2.6	3.2	4.2	3.3	1.0
	21	11	2.2	3.1	3.8	3.3	1.5	12	2.6	3.6	3.9	3.5	1.3
	22	8	3.1	3.3	3.6	3.3	0.6	9	3.5	3.9	4.2	6.3	7.8
	23 24	9	3.3	3.7 3.5	4.1 3.7	9.7 3.2	17.4 0.8	5 3	1.9 2.5	4.3 3.4	4.3 3.8	3.5	1.3
	25	11	2.8	3.5	5.3	4.7	3.1	12	2.6	3.3	4.0	3.8	2.5
J	26	6	2.2	3.2	3.5	2.9	0.8	8	3.8	3.8	4.2	6.3	6.7
Week	27	10	1.9	2.8	3.2	2.6	0.9	9	3.5	3.7	3.9	3.8	1.8
^	28	4	3.1	3.5	3.6	3.3	0.5	6	3.0	4.0	4.8	3.9	1.0
	29	9	3.2	4.0	4.2	3.9	1.0	9	3.8	4.5	4.9	4.2	1.2
	30 31	5 10	3.9	4.6 3.2	5.2	9.7	10.9	7 9	3.6	3.8 4.1	4.8	4.1	1.1
	31	10 3	2.7	3.2	3.8	2.8	0.6	7	3.8	4.1 4.5	4.4 4.6	4.0 3.9	1.0
	33	11	3.0	4.2	5.0	5.6	5.0	7	3.9	4.0	4.5	7.7	8.8
	34	7	2.1	3.3	4.3	3.1	1.1	9	2.6	3.8	4.0	3.5	1.1
	35	6	3.2	4.0	4.3	4.0	1.5	6	1.9	2.1	3.3	2.7	1.2
	36	11	3.5	3.6	4.8	4.3	1.9	10	3.7	4.7	7.6	6.0	2.8
	37	9	3.8	3.9	5.7	4.5	1.0	10	3.9	4.5	4.7	4.2	0.8
	38	11	3.8	4.2	4.7	4.3	1.0	10	3.8	4.2	4.4	4.1	0.5
	39 40	8 10	3.4	3.8 4.1	4.7 4.3	3.9 14.0	1.0 20.4	7 10	2.4	4.0 3.9	4.3 4.8	3.6 5.4	1.4 5.2
	41	13	3.7 2.6	2.8	3.8	3.2	0.9	14	2.0	4.5	5.3	4.2	1.3
	42	11	3.5	4.3	4.6	4.6	1.9	16	3.4	3.8	4.3	3.9	1.3
	43	16	2.5	2.8	4.0	3.1	1.1	14	3.9	4.2	4.6	4.1	1.1
	44	10	2.8	4.0	4.8	4.0	1.7	8	4.0	5.5	6.6	7.3	6.4
	45	11	3.6	4.0	5.3	5.7	3.6	9	2.8	4.4	4.9	4.0	1.6
	46	8	2.5	3.5	4.1	3.4	0.9	8	3.3	4.1	4.6	4.1	1.3
	47	14	3.9	4.2	5.8	5.0	2.3	15	1.9	2.2	3.2	2.6	0.9
	48	7	3.6	4.1	4.9	4.0	1.2	4	1.7	1.8	2.0	2.0	0.4
	49 50	1	1.3	1.3	1.3	1.3	0.0	1	7.4	7.4	7.4	7.4	0.0
	50 51	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	<del>-</del> -	_		<del></del>	0		-	<del>-</del>	<del>-</del>	-
	52				-	-	-	0	-	-		-	

L	6		Dov	vnstrea	m Dire	ction			- 1	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ır)
Ž	Pd.	Ħ		ercenti				ŧ		ercentil		1000	l
Time I	Time	Count					Std.	Count					Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	295	1.3	1.5	1.8	1.7	1.0	300	1.7	2.0	2.2	2.1	1.1
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0		-	-	<del></del>		0			<del>-</del>		
	Apr	23	1.2	1.3	1.4	1.3	0.1	27	1.7	1.9	2.1	2.0	0.6
	May	37	1.2	1.3	1.5	1.4	0.2	41	1.7	1.9	2.1	1.9	0.4
뒫	Jun	31	1.3	1.3	1.5	1.6	1.4	30	1.7	2.0	2.2	2.0	0.4
Month	Jul	29	1.3	1.5	1.7	1.5	0.2	33	2.0	2.2	2.5	2.3	0.5
	Aug	33	1.5	1.9	2.1	2.4	2.2	31	1.8	2.0	2.3	2.4	2.1
	Sep	43	1.5	1.7	1.9	1.7	0.3	45	1.7	2.0	2.2	2.0	0.6
	Oct	58	1.3	1.6	1.8	1.6	0.7	55	1.7	2.0	2.2	2.3	1.0
	Nov	41	1.5	1.7	1.8	1.8	0.7	38	1.4	1.6	2.1	2.1	1.8
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0					-	0	-	-	-	-	
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	9	0	-	-	-	-		0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	0	-	-	-	-	-	0	-	-	-	-	-
	15	6	1.2	1.2	1.2	1.2	0.1	8	1.9	2.2	2.3	2.3	0.8
	16	8	1.2	1.3	1.4	1.3	0.1	15	1.6	1.8	1.9	1.8	0.0
	17	8	1.3	1.4	1.4	1.4	0.1	3	1.8	1.9	2.2	2.1	0.3
	18	4	1.2	1.3	1.3	1.3	0.1	4	1.8	1.9	2.1	2.0	0.3
	19	8	1.2	1.4	1.4	1.4	0.1	10	1.8	1.9	2.1	1.9	0.3
	20	9	1.3	1.3	1.5	1.4	0.2	9	1.8	2.1	2.6	2.2	0.6
	21	10	1.2	1.4	1.6	1.4	0.2	12	1.7	2.0	2.1	1.9	0.3
	22	8	1.3	1.4	1.6	1.4	0.2	10	1.7	1.9	2.1	1.9	0.3
	23	9	1.3	1.4 1.4	1.4	1.4	0.1	3	1.5	1.6	2.0	1.9	0.5
	24 25	9	1.3	1.4	1.5	1.4	0.1	3 11	1.8	2.2	2.3	2.0 1.9	0.4
	26	6	1.3	1.3	1.4	2.6	2.9	8	1.9	2.0	2.1	2.0	0.3
Week	27	9	1.2	1.3	1.3	1.3	0.2	8	1.8	2.0	2.0	1.9	0.3
≥	28	4	1.2	1.4	1.5	1.4	0.3	6	2.3	2.5	2.6	2.6	0.6
	29	10	1.4	1.5	1.6	1.5	0.1	9	2.0	2.3	2.4	2.2	0.3
ĺ	30	5	1.5	1.6	1.7	1.6	0.2	7	2.0	2.3	2.4	2.4	0.8
ĺ	31	9	1.9	2.0	2.1	3.2	2.5	8	2.1	2.3	2.7	2.6	0.7
ĺ	32	3	1.4	2.1	2.1	1.6	0.7	6	2.1	2.2	2.5	2.3	0.3
ĺ	33	11	1.5	1.7	2.0	1.7	0.3	8	1.9	2.2	2.7	2.2	0.8
ĺ	34 35	7	1.5 1.4	1.8 1.8	2.0	3.2 1.7	3.5 0.7	8 6	1.7	1.9 1.5	2.0 1.9	3.3 1.6	3.8 0.4
ĺ	36	11	1.4	1.7	1.8	1.6	0.7	12	1.8	2.1	2.2	2.0	0.4
ĺ	37	10	1.4	1.6	1.8	1.6	0.3	10	1.8	2.0	2.1	1.9	0.0
ĺ	38	12	1.5	1.7	2.0	1.7	0.4	10	1.7	2.0	2.1	2.1	0.6
ĺ	39	7	1.5	1.7	2.0	1.7	0.3	8	1.6	1.8	1.9	1.7	0.5
ĺ	40	10	1.7	1.8	1.9	1.7	0.2	10	1.6	2.1	2.2	2.0	0.5
ĺ	41	14	1.4	1.5	1.7	1.6	0.6	15	1.8	1.9	2.2	2.3	1.2
ĺ	42	12	1.4	1.7	1.9	1.6	0.4	15	1.7	1.9	2.1	2.3	1.2
ĺ	43	18	1.3	1.5	1.7	1.7	1.1	14	1.9	2.0	2.3	2.1	0.4
ĺ	44	9	1.3	1.7	2.0	1.6	0.4	6	2.0	2.6	3.5	2.8	1.0
ĺ	45 46	11 7	1.5 1.4	1.7 1.4	1.8 1.8	1.7 1.6	0.2	10	1.6 1.6	2.1	2.3	2.7 1.9	2.5 0.3
ĺ	46	14	1.7	1.4	1.8	1.7	0.3	14	1.6	1.5	1.7	2.0	1.9
ĺ	48	7	1.7	1.8	2.1	2.2	1.3	4	1.3	1.4	1.4	1.4	0.1
ĺ	49	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	50	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52	0	-	-		-		0	-	-	-	-	
L	53	0	-	-	-	-	-	0	-	-	-	-	-

Fig.	L	7		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
Part	nit	-6						ur)						ur)
Y	e U	e P(	ı						nt					
Y	Ĭ	ij	noc				Ava		noc				Ανα	
Feb   0														
### Apr	Ė					-		-	-			-		-
THE MAY 38 22 2.8 3.4 4.0 5.9 41 2.6 3.4 3.8 4.3 4.4 2.5 May 38 2.2 2.8 3.4 4.0 5.9 41 2.6 3.4 3.8 3.8 3.1 0.9 47 40 1.28 3.0 3.3 3.5 4.6 6.5 3.2 2.2 3.2 3.8 3.9 4.7 4.9 5.8 4.9 1.0 1.28 3.0 3.3 3.5 4.8 7.6 3.2 3.1 1.4 1.51 4.2 1.4 1.51 4.2 1.4 1.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2		Feb	0	-	-	-	-	-	0	-	-	-	-	-
May   38   22   28   3.4   4.0   5.9   41   2.6   3.3   3.8   3.1   0.9		Mar	0	-	-	-	-	-	0	-	-	-	-	-
### A		_												
Note   1	т	_												
Note   1	lon								_					
Sep	2													
Nov		_												
Dec   O		Oct	60	2.3	3.4	3.8	3.7	4.6	56	2.8	4.0	5.0	4.9	6.9
1		Nov		3.0	3.5	4.0	4.0	2.9		1.7	2.2	3.7	2.8	1.6
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11				-	-	-	-	-			-	-	-	-
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13				-		-	-					-	-	-
15		-		-	-	-	-	-		-	-	-	-	-
16		14	0	-	-	-	-	-	0	-	-	-	-	-
17		15	5	1.4	1.5	1.5	1.5	0.1	8	3.8	3.9		4.8	1.7
18														
19		-												
The following color		_							-					
Part														
10   3.1   3.3   3.5   5.6   7.5   3   1.7   1.7   2.3   2.1   0.5		21	9		2.7		3.4		12					1.0
The state of the		22	9	2.8	3.3	3.3	3.3	8.0	10	2.7	3.3	3.6	3.1	0.6
10   10   10   10   10   10   10   10														
\$\frac{1}{\sqrt{9}} \begin{array}{c c c c c c c c c c c c c c c c c c c														
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		-												
28         3         2.9         3.1         3.2         3.1         0.2         6         3.1         3.7         4.2         4.0         1.4           29         10         3.0         3.3         3.5         3.2         0.4         9         3.8         4.2         5.8         4.5         1.8           30         5         3.0         3.5         3.9         11.4         16.2         7         3.0         3.9         4.4         3.7         1.0           31         9         3.2         4.0         6.2         5.1         2.7         8         4.2         5.3         5.5         4.7         1.1           32         4         2.2         2.6         14.1         13.8         20.3         7         3.9         4.1         4.1         4.1         0.5           33         10         2.5         3.6         3.7         3.2         0.8         8         4.3         5.6         9.1         9.5         10.4           34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35 <td>eek</td> <td></td>	eek													
30         5         3.0         3.5         3.9         11.4         16.2         7         3.0         3.9         4.4         3.7         1.0           31         9         3.2         4.0         6.2         5.1         2.7         8         4.2         5.3         5.5         4.7         1.1           32         4         2.2         2.6         14.1         13.8         20.3         7         3.9         4.1         4.1         4.1         0.5           33         10         2.5         3.6         3.7         3.2         0.8         8         4.3         5.6         9.1         9.5         10.4           34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37 </td <td>≥</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	≥								-					
31         9         3.2         4.0         6.2         5.1         2.7         8         4.2         5.3         5.5         4.7         1.1           32         4         2.2         2.6         14.1         13.8         20.3         7         3.9         4.1         4.1         4.1         0.5           33         10         2.5         3.6         3.7         3.2         0.8         8         4.3         5.6         9.1         9.5         10.4           34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         4.9         3.7         4.0         4.1         3.7         0.7           38<		29	10	3.0	3.3	3.5	3.2	0.4	9	3.8	4.2	5.8	4.5	1.8
32         4         2.2         2.6         14.1         13.8         20.3         7         3.9         4.1         4.1         4.1         0.5         33         10         2.5         3.6         3.7         3.2         0.8         8         4.3         5.6         9.1         9.5         10.4           34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         9         3.7         4.0         4.1         3.7         0.7           38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           40         11														
33         10         2.5         3.6         3.7         3.2         0.8         8         4.3         5.6         9.1         9.5         10.4           34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         9         3.7         4.0         4.1         3.7         0.7           38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41<														
34         5         2.0         3.0         4.3         3.0         1.1         9         3.2         3.8         4.0         6.4         8.8           35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         9         3.7         4.0         4.1         3.7         0.7           38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42<		_												
35         6         3.4         3.6         3.7         3.6         0.4         6         2.3         4.1         4.8         8.0         10.6           36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         9         3.7         4.0         4.1         3.7         0.7           38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           39         8         3.2         3.5         4.8         6.4         7.3         8         3.3         4.6         6.0         5.9         4.8           40         11         3.3         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0 </td <td></td>														
36         11         3.0         3.3         3.9         4.0         2.8         12         3.6         4.1         4.5         5.6         4.9           37         10         3.1         3.5         4.1         3.5         0.8         9         3.7         4.0         4.1         3.7         0.7           38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           39         8         3.2         3.5         4.8         6.4         7.3         8         3.3         4.6         6.0         5.9         4.8           40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43														
38         12         3.1         3.6         4.0         3.7         1.2         11         3.3         4.2         5.3         6.7         8.4           39         8         3.2         3.5         4.8         6.4         7.3         8         3.3         4.6         6.0         5.9         4.8           40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           4												4.5		
39         8         3.2         3.5         4.8         6.4         7.3         8         3.3         4.6         6.0         5.9         4.8           40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           4		37			3.5					3.7				0.7
40         11         3.3         3.4         3.7         3.4         0.4         11         2.6         3.7         3.9         7.9         14.8           41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           46         8         2.3         3.1         4.4         5.3         5.9         10         2.1         3.5         3.7         3.1         1.0														
41         13         2.3         3.2         3.7         3.2         1.1         15         3.1         4.0         5.0         4.0         1.4           42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           46         8         2.3         3.1         4.4         5.3         5.9         10         2.1         3.5         3.7         3.1         1.0           47         15         3.4         3.7         4.0         3.8         1.3         14         1.7         1.9         2.2         2.1         0.8           4									_					
42         12         2.0         3.7         3.9         3.3         1.4         15         2.9         4.0         5.3         4.4         2.1           43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           46         8         2.3         3.1         4.4         5.3         5.9         10         2.1         3.5         3.7         3.1         1.0           47         15         3.4         3.7         4.0         3.8         1.3         14         1.7         1.9         2.2         2.1         0.8           48         7         2.9         3.2         3.9         3.2         0.9         4         1.7         1.7         1.9         1.8         0.2           49<		_							-					
43         18         2.2         2.7         3.5         3.0         1.3         14         3.4         3.9         4.4         3.9         1.4           44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           46         8         2.3         3.1         4.4         5.3         5.9         10         2.1         3.5         3.7         3.1         1.0           47         15         3.4         3.7         4.0         3.8         1.3         14         1.7         1.9         2.2         2.1         0.8           48         7         2.9         3.2         3.9         3.2         0.9         4         1.7         1.7         1.9         1.8         0.2           49         0         -         -         -         -         -         -         -         -         -         -         -         -         -         -														
44         11         2.7         3.8         4.2         6.5         10.0         6         3.9         4.0         4.4         4.2         1.0           45         12         3.2         3.7         4.0         4.1         1.9         10         2.9         3.7         4.1         4.0         2.3           46         8         2.3         3.1         4.4         5.3         5.9         10         2.1         3.5         3.7         3.1         1.0           47         15         3.4         3.7         4.0         3.8         1.3         14         1.7         1.9         2.2         2.1         0.8           48         7         2.9         3.2         3.9         3.2         0.9         4         1.7         1.7         1.9         1.8         0.2           49         0         -														
46     8     2.3     3.1     4.4     5.3     5.9     10     2.1     3.5     3.7     3.1     1.0       47     15     3.4     3.7     4.0     3.8     1.3     14     1.7     1.9     2.2     2.1     0.8       48     7     2.9     3.2     3.9     3.2     0.9     4     1.7     1.7     1.9     1.8     0.2       49     0     -     -     -     -     -     -     -     -     -       50     0     -     -     -     -     0     -     -     -     -       51     0     -     -     -     -     0     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -		44	11	2.7	3.8	4.2	6.5	10.0	6	3.9	4.0	4.4		1.0
47     15     3.4     3.7     4.0     3.8     1.3     14     1.7     1.9     2.2     2.1     0.8       48     7     2.9     3.2     3.9     3.2     0.9     4     1.7     1.7     1.9     1.8     0.2       49     0     -     -     -     -     -     -     -     -     -     -       50     0     -     -     -     -     0     -     -     -     -     -       51     0     -     -     -     -     0     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -														
48     7     2.9     3.2     3.9     3.2     0.9     4     1.7     1.7     1.9     1.8     0.2       49     0     -     -     -     -     -     -     -     -     -       50     0     -     -     -     -     0     -     -     -     -     -       51     0     -     -     -     -     0     -     -     -     -       52     0     -     -     -     -     0     -     -     -     -     -														
49     0     - </td <td></td>														
50     0     - </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td>		_							_					
51     0     - </td <td></td> <td>-</td> <td></td>		-												
1 <del>                                    </del>						-							-	
53 0 0			0	-	-	-	-	-	0	-	-	-	-	-
		53	0	-	-	-	-	-	0	-	-	-	-	-

L	8		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	d.		Tra	vel Tim	e Estim	ate (ho	ur)				ne Estim		ır)
Ō	e Pd.	ī	Р	ercenti	le		Std.	Ĕ	Р	ercentil	e		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Y	2013	262	5.4	6.3	8.0	8.5	7.3	271	5.8	6.8	8.6	8.1	5.0
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	20	5.3	7.1	11.3	10.6	9.4	29	6.4	7.8	10.9	9.2	4.2
اء	May	29	5.3	6.5	8.4	8.5	6.3	31	5.2	6.0	7.5	6.6	1.6
Month	Jun	29	5.3	5.8	6.5	8.3	8.1	24	5.6	6.3	9.1	7.7	3.5
Ž	Jul	28	5.6 5.6	6.1	9.5	8.1 7.9	3.8 7.2	33	6.0 5.8	6.9 6.9	7.9 9.5	7.7 9.9	3.1 9.3
	Aug Sep	30 43	5.4	6.6 6.2	7.3 7.1	7.2	4.7	41	5.8	6.4	7.6	6.9	1.9
	Oct	56	5.4	6.6	8.5	10.0	10.2	54	6.3	7.0	8.6	7.8	2.5
	Nov	27	5.3	6.8	7.8	7.4	2.7	28	5.2	6.1	10.0	9.6	8.6
	Dec	0	-	-	-	-		0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-		-			0	-			-	
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0		-		<u> </u>		0	-		-		
	15	5	5.2	5.3	5.3	5.1	0.5	10	6.2	11.1	15.4	11.6	5.7
	16	6	5.5	11.4	22.6	17.0	14.4	15	6.2	6.8	8.0	7.7	2.2
	17	7	7.3	8.6	9.7	8.9	2.5	3	8.8	9.8	9.9	9.2	1.0
	18	5	5.7	8.4	16.2	11.2	5.8	4	6.6	8.0	9.1	7.6	1.7
	19	7	6.3	7.2	9.8	8.0	2.6	11	5.5	5.8	6.5	6.0	1.0
	20	6 4	5.1 4.8	6.7 5.5	7.7 6.3	6.8 5.5	1.9 0.8	4	6.4 4.9	8.1 5.2	9.5 5.9	7.7 5.5	1.9 0.9
	22	9	5.3	6.0	9.0	10.4	9.6	10	5.5	6.1	7.9	6.8	1.6
	23	9	5.6	6.4	7.1	8.0	4.1	2	4.7	4.7	4.8	4.7	0.2
	24	3	5.8	5.8	6.9	6.5	1.0	2	7.3	7.8	8.3	7.8	1.0
	25	8	5.3	5.7	6.6	7.3	3.7	9	5.6	6.0	11.3	7.7	4.0
ᇵ	26	8	4.8	5.8	6.4	10.6	13.9	7	5.9	6.3	7.6	8.0	4.0
Week	27	8	5.1	5.8	10.4	8.2	4.2	7	8.3	9.8	12.1	11.4	4.5
	28 29	3 10	10.5 5.4	12.5 5.7	15.9 7.3	13.5 7.0	4.4 2.6	7 8	5.9 5.7	7.3 6.2	7.8 6.8	6.9	0.7
	30	4	6.6	8.1	9.5	8.1	1.9	9	5.8	6.4	6.9	7.2	2.6
	31	8	5.3	5.9	6.2	5.8	0.6	9	6.4	7.3	8.3	7.7	1.6
	32	6	6.9	7.6	9.7	14.1	14.1	6	6.3	6.9	8.6	7.6	1.6
	33	10	5.8	6.4	7.1	6.0	1.5	6	5.8	7.5	9.5	7.8	2.2
	34	5	5.1	5.5	6.8	6.2	1.7	9	5.6	6.9	7.3	10.1	11.2
	35	5	5.8	6.2	7.5	7.5	2.6	6	6.1	9.5	16.3	15.6	14.2
	36 37	11 9	5.5 5.8	5.9 6.2	6.8	6.9 6.1	2.5 0.6	11 8	5.6 5.7	6.3 6.9	7.2 8.0	6.3 7.4	1.1 2.2
	38	10	5.4	6.1	6.9	6.2	1.0	11	5.8	6.8	7.0	6.8	1.5
	39	10	5.5	6.8	8.6	9.7	8.9	7	5.4	6.3	8.8	7.5	2.8
	40	11	6.4	6.7	7.4	7.3	2.1	10	6.6	7.4	8.5	8.6	3.4
	41	12	5.1	6.9	10.5	8.6	4.4	14	5.9	6.5	8.6	7.1	1.4
	42	11	5.9	6.8	7.1	7.9	3.9	14	6.3	7.4	9.0	8.0	2.3
	43	16	5.1	5.8	6.9	6.0	1.4	15	6.6	6.8	7.9	7.7	2.0
	44 45	11 12	6.8	7.3 7.2	33.5 10.1	20.5 8.4	18.5	5 13	6.4 6.0	6.8 8.8	7.6 12.9	7.9 13.1	3.2 11.4
	45	8	5.3	5.5	7.4	6.2	3.3 1.4	8	5.1	7.3	10.0	7.5	2.4
	47	3	5.7	6.6	8.9	7.6	2.7	7	5.0	5.4	5.5	5.3	0.4
	48	2	6.3	6.5	6.7	6.5	0.3	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-		-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-		-			0	-		-	-	_

L	9		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
Unit						ate (ho	ur)					ate (hou	ır)
ļ	Pd.	Ħ		ercenti				ŧ		ercentil		1000	
Time	Time	Count					Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	277	2.7	3.3	3.8	3.9	5.0	291 0	3.2	3.8	4.2	4.7	6.6
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0			-	<del></del>		0			<del>-</del>		
	Apr	22	1.7	2.2	3.1	2.5	1.2	32	3.6	3.8	4.1	4.1	1.7
	May	29	2.6	3.2	3.6	3.5	1.8	33	3.0	3.6	3.9	4.9	7.4
Month	Jun	32	3.0	3.3	4.0	5.8	9.5	27	3.3	3.9	4.4	8.9	15.0
Θ	Jul	32	2.7	3.3	4.5	3.7	1.7	37	3.3	3.9	4.3	3.8	1.0
	Aug	34	2.7	3.5	4.1	5.3	10.1	32	3.3	3.9	4.5	4.0	2.2
	Sep	43	3.0	3.5	3.8	3.4	0.7	42	3.6	3.9	4.4	5.0	6.7
	Oct	55	2.5	3.3	3.6	3.2	1.0	57	2.8	3.8	4.2	4.4	6.0
	Nov	30	2.9	3.4	3.8	3.6	1.7	31	2.3	3.2	3.8	3.6	2.2
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	_
	3	0						0		-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0						0					
	15	5	1.4	1.5	1.5	1.5	0.2	11	3.6	3.7	3.9	3.7	0.5
	16	7	1.8	1.8	2.2	2.5	1.6	17	3.5	3.9	4.2	4.4	2.2
	17	8	2.5	3.1	3.2	3.0	0.7	3	3.8	3.8	4.0	3.9	0.2
	18	4	2.9	3.4	5.6	5.0	3.6	4	3.0	3.2	3.5	3.3	0.6
	19	8	2.4	3.2	3.9	3.5	1.5	11	3.4	3.6	4.1	7.5	12.4
	20	7	2.5	3.1	3.2	2.8	0.6	5	3.5	3.6	3.6	3.5	0.4
	21	5	2.4	2.8	2.8	2.6	0.4	5	2.8	3.0	3.8	3.3	0.6
	22	9 10	3.6	4.1 3.2	4.3	3.9 6.0	0.8 8.2	10 3	3.6 2.7	4.0 3.2	4.7 3.8	4.1 3.3	1.3 0.9
	23	3	2.8	3.3	3.3	3.0	0.5	2	4.1	4.2	4.3	4.2	0.9
	25	6	2.9	3.3	3.7	3.2	0.5	9	2.8	3.9	4.1	9.1	16.6
Ļ	26	10	3.1	3.7	4.3	8.5	14.5	9	3.3	3.8	4.5	13.5	18.9
Week	27	10	2.9	3.5	4.5	4.3	2.3	8	3.4	3.8	4.1	3.9	1.1
>	28	4	2.3	2.5	2.8	2.6	0.4	8	3.5	3.8	3.9	3.7	0.5
	29	12	2.6	3.2	3.6	3.2	1.3	8	3.7	4.0	4.3	3.9	0.8
	30	4	3.5	3.6	3.9	3.8	0.5	11	3.4	3.8	4.3	3.8	1.0
	31	9	2.7	2.8	4.5	3.5	1.1	9	4.1	4.2	5.1	4.5	1.2
	32	6 9	3.4	3.5	3.7	3.7 4.3	1.3 2.4	6 8	3.8	4.0 3.9	5.7 4.4	5.7 4.0	4.2 0.6
	34	7	2.5	3.3	4.3	11.6	20.8	9	2.0	3.4	3.7	3.0	1.0
	35	6	3.5	3.7	4.1	3.5	0.8	5	2.1	3.5	4.5	3.4	1.3
	36	11	3.0	3.3	3.9	3.3	0.9	11	3.5	3.9	4.2	3.7	0.6
	37	8	3.3	3.6	3.7	3.5	0.3	8	3.6	4.3	4.6	4.3	0.9
	38	10	3.1	3.5	3.8	3.4	0.5	12	3.4	3.9	4.3	7.3	12.1
	39	11	2.6	3.5	3.6	3.3	1.0	9	3.7	3.8	4.3	4.3	1.6
	40	11	3.4	3.6	3.8	3.6	0.7	9	2.6	4.0	4.5	3.7	1.2
	41	10	2.3	3.1	3.6	3.0	0.9	13	3.1	3.3	3.7	3.3	0.7
	42	13 19	3.3	3.5	3.7	3.3	1.2	16 16	3.2	3.8	4.2 4.2	3.7	1.0 1.1
	43	8	2.4 3.1	3.0	3.4	3.0	0.8	16 8	2.8 3.8	3.8 4.0	4.4	3.7 9.4	14.9
	45	13	2.9	3.4	4.3	4.1	2.4	13	3.2	3.5	5.5	4.6	3.0
	46	9	2.8	3.3	3.6	3.2	0.7	8	2.6	3.2	3.6	3.2	0.8
	47	3	3.0	3.4	3.6	3.3	0.6	7	2.0	2.2	2.3	2.2	0.2
	48	2	3.0	3.2	3.4	3.2	0.5	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0											

L	10		Dov	vnstrea	m Dire	ction		1	- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				nt		ercentil		1000	
Time	Time	Count					Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2013	274	0.8	0.9	1.0	0.9	0.2	292	1.1	1.2	1.3	1.3	0.5
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0		-	-	<del></del>		0			<del>-</del>		
	Apr	22	0.8	0.8	0.8	0.8	0.1	33	1.1	1.3	1.3	1.4	1.0
	May	28	0.8	0.8	0.8	0.8	0.1	33	1.1	1.3	1.3	1.4	0.7
ŧ	Jun	35	8.0	0.8	0.9	0.8	0.1	28	1.1	1.3	1.4	1.3	0.3
Month	Jul	32	0.8	0.9	0.9	0.9	0.1	37	1.2	1.3	1.4	1.3	0.3
	Aug	32	0.9	1.1	1.2	1.0	0.2	33	1.0	1.2	1.3	1.2	0.3
	Sep	40	0.9	1.0	1.1	1.0	0.1	41	1.1	1.2	1.3	1.3	0.3
	Oct	55	8.0	0.9	1.1	0.9	0.2	57	1.1	1.2	1.3	1.2	0.3
	Nov	30	0.9	1.0	1.1	1.0	0.1	30	0.9	1.0	1.2	1.1	0.2
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
1	3	0	-	-	-	-	-	0	-	-	-	-	-
1	4 5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0					-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	1	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	4	0.7	0.8	0.8	0.7	0.0	11	1.1	1.3	1.3	1.7	1.6
	16	8	0.7	8.0	0.8	8.0	0.1	18	1.1	1.1	1.3	1.2	0.2
	17	7	0.8	0.8	0.9	0.8	0.1	3	1.2	1.3	1.3	1.2	0.1
	18	5	0.8	0.8	0.8	0.8	0.0	4	1.1	1.3	1.6	1.4	0.4
	19 20	8 7	0.8	0.8	0.8	0.8	0.1	11	1.2	1.3	1.4	1.3	0.3
	21	5	0.8	0.8	0.8	0.8	0.1	5 6	1.1	1.2	1.6 1.3	2.0 1.2	1.6 0.2
	22	8	0.7	0.8	0.9	0.8	0.1	9	1.2	1.2	1.5	1.3	0.2
	23	13	0.8	0.8	0.9	0.8	0.1	3	0.9	0.9	1.0	0.9	0.0
	24	3	0.9	0.9	0.9	0.9	0.0	2	1.5	1.5	1.6	1.5	0.0
	25	6	0.8	0.8	0.9	0.8	0.1	10	1.0	1.2	1.3	1.1	0.3
~	26	10	8.0	0.9	0.9	8.0	0.1	9	1.3	1.3	1.4	1.3	0.1
Week	27	10	0.8	0.8	0.8	0.8	0.1	8	1.1	1.3	1.4	1.3	0.2
>	28	3	8.0	8.0	0.9	8.0	0.1	8	1.2	1.3	1.4	1.4	0.3
	29	13	8.0	0.9	0.9	0.9	0.1	8	1.1	1.3	1.4	1.3	0.2
1	30	4	0.9	0.9	0.9	0.9	0.0	11	1.2	1.3	1.5	1.4	0.4
1	31	9	1.0	1.0	1.1	1.1	0.1	9	1.3	1.3	1.4	1.3	0.1
1	32	5	1.0	1.1	1.1	1.0	0.1	6	1.2	1.3	1.4	1.3	0.3
1	33	7 8	1.1 0.8	1.2 0.9	1.2	1.1	0.2	8	1.1 0.9	1.3	1.4 1.2	1.4 1.0	0.4
1	35	6	0.0	1.0	1.1	1.0	0.2	6	0.9	1.0	1.2	1.0	0.2
1	36	11	0.9	0.9	1.1	1.0	0.2	11	1.2	1.2	1.3	1.3	0.2
1	37	8	0.9	1.0	1.0	0.9	0.1	8	1.1	1.2	1.3	1.4	0.5
1	38	10	0.9	1.0	1.1	1.0	0.1	11	1.0	1.1	1.2	1.1	0.1
1	39	9	0.9	0.9	0.9	0.9	0.1	9	1.2	1.3	1.7	1.4	0.3
1	40	11	1.0	1.1	1.1	1.1	0.1	9	0.9	1.2	1.3	1.1	0.2
1	41	10	0.8	0.9	0.9	0.9	0.1	14	1.0	1.1	1.1	1.1	0.2
1	42	13	0.9	0.9	1.1	0.9	0.1	15	1.1	1.2	1.3	1.2	0.3
1	43	18	0.8	0.9	1.0	0.9	0.2	16	1.1	1.2	1.3	1.3	0.3
1	44	8	0.9	1.1	1.2	1.1	0.2	8	1.1	1.2	1.3	1.2	0.3
1	45	11	0.9	0.9	1.1	1.0	0.1	13	1.0	1.1	1.2	1.1	0.2
1	46	11	0.9	1.0	1.0	1.0	0.1	7	1.0	1.0	1.1	1.0	0.1
1	47	2	1.0	1.1	1.1	1.1	0.0	7	0.9	0.9	1.0	1.0	0.1
1	48		1.0	1.0	1.0	1.0	0.0	0	-	-	-	-	-
1	49 50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-		_		0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	-	-
1	53	0	-	-	-	-	-	0	-	-	-	-	-
—						-					-		

L	11		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	∍ Pd.	Ħ		ercenti				Ħ		ercentil		1000	
Time I	Time	Count				1	Std.	Count					Std.
Y	2013	278	<b>25th</b> 2.7	<b>50th</b> 3.2	<b>75th</b> 3.7	<b>Avg.</b> 4.8	<b>Dev.</b> 9.0	293	<b>25th</b> 3.1	<b>50th</b> 3.6	<b>75th</b> 4.1	<b>Avg.</b> 4.2	<b>Dev.</b> 5.0
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	22	1.7	2.0	2.9	2.7	2.3	33	3.4	3.6	3.8	3.5	0.5
ے	May	32	2.5	2.9	3.3	9.8	18.6	35	3.0	3.5	4.0	6.2	11.2
Month	Jun Jul	36 33	2.7	3.1	3.3	4.5 4.6	8.0 9.5	30 37	2.4 3.3	3.7	4.0 4.7	5.2 3.9	8.7 1.0
Σ	Aug	33	2.9	3.6	4.3	6.0	11.8	31	3.2	3.8	4.4	3.8	1.4
	Sep	40	3.1	3.5	5.0	4.2	2.1	42	3.4	3.8	4.2	3.9	1.0
	Oct	54	2.7	3.3	3.6	3.2	1.2	56	3.2	3.7	4.1	3.8	1.5
	Nov	28	3.2	3.4	3.9	3.5	0.5	29	2.0	2.8	3.6	3.1	1.5
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
1	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	8	1.4	1.5 1.9	1.5 2.0	1.5 1.8	0.1	11 18	3.5	3.6	3.8	3.5	0.5
	17	7	2.7	2.9	3.1	4.2	3.4	3	3.8	3.5	3.6 4.2	3.4 4.0	0.5
	18	5	2.8	2.9	3.0	3.0	0.7	5	3.5	3.6	3.7	3.5	0.6
	19	7	2.5	3.0	3.5	3.0	0.8	9	3.0	3.5	4.1	3.8	1.6
	20	11	2.8	3.2	49.8	22.9	27.3	6	3.3	3.6	3.9	3.5	0.5
	21	5	2.3	2.3	2.5	2.4	0.2	8	3.0	3.3	14.9	15.1	20.9
	22	9 13	2.7 3.0	3.0	3.2	3.1 3.1	0.7 0.5	9	3.0 2.0	3.3 2.1	5.0 2.5	4.0 2.4	1.6 0.6
	23	3	2.7	3.1	3.1	2.8	0.3	2	5.0	6.1	7.1	6.1	2.1
	25	6	2.5	2.6	2.9	2.6	0.4	11	2.3	3.1	4.0	7.3	13.9
بخ	26	11	2.8	3.2	4.4	7.9	13.9	10	3.0	3.9	4.2	4.0	1.3
Week	27	10	2.8	2.9	3.1	3.0	0.5	7	3.3	3.7	4.3	4.0	1.1
[	28	3	2.0	2.1	2.5	2.3	0.4	8	3.1	3.4	3.8	3.5	1.0
ĺ	29 30	13 5	2.8 3.2	3.1	3.2	2.8 14.3	0.8 22.1	8 11	3.3	3.7 4.0	3.9 4.6	3.7 3.9	0.9 1.1
ĺ	31	9	3.1	3.4	4.3	3.5	0.8	8	4.3	4.8	4.0	4.7	0.5
ĺ	32	5	2.7	7.9	8.0	18.4	26.7	6	2.7	3.6	4.2	3.7	1.2
1	33	8	3.8	4.0	6.0	5.3	2.7	8	4.1	4.3	5.2	4.7	0.9
ĺ	34	8	2.6	3.1	3.4	3.0	0.8	8	2.9	3.3	3.6	3.0	0.8
1	35	6	3.1	3.4	3.7	3.2	0.7	6	1.9	2.7	3.7	3.2	1.7
ĺ	36 37	11 8	3.1	3.8	6.7 3.6	4.7 3.4	2.3 0.5	12 7	3.4	3.7	3.9 3.8	3.8 3.6	1.1 0.2
1	38	10	3.1	3.8	4.8	3.9	0.9	11	3.0	3.9	4.9	4.0	1.2
ĺ	39	9	3.1	3.3	9.0	4.9	3.1	9	3.4	3.9	4.3	3.7	8.0
ĺ	40	10	3.5	3.7	3.8	4.0	1.0	9	2.8	3.6	4.6	3.8	1.5
ĺ	41	10	2.2	3.2	3.5	2.9	0.9	14	3.2	3.6	3.8	3.6	1.3
ĺ	42	13 18	2.8	3.4	3.6	3.3 3.1	1.3 1.1	16 15	3.0	3.5	3.9 4.3	3.4 3.8	0.6
1	44	8	2.7	3.8	3.9	3.4	0.8	8	3.1	3.8	4.3	4.4	2.8
ĺ	45	11	3.1	3.4	4.1	3.5	0.6	11	2.7	3.6	4.4	3.8	1.7
1	46	10	3.2	3.4	3.7	3.5	0.4	8	2.2	3.0	3.5	3.3	1.6
ĺ	47	2	2.7	3.0	3.3	3.0	0.6	7	1.8	2.0	2.5	2.2	0.6
1	48	2	3.1	3.3	3.4	3.3	0.3	0	-	-	-	-	-
ĺ	49 50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	<u> </u>			0	-	-	-	-	-
ĺ	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-

Travel Time   Estimate   Final   Fin	ne Estim		Std. Dev.
F	75th 7.7 8.0 8.5 8.6 7.3 7.9 5.7	Avg. 7.0	Std. Dev.
Y         2013         282         2.9         3.7         7.8         6.7         8.5         299         3.6         4.7           Feb         0         -         -         -         -         -         0         - <th>75th 7.7 8.0 8.5 8.6 7.3 7.9 5.7</th> <th>7.0</th> <th>Dev.</th>	75th 7.7 8.0 8.5 8.6 7.3 7.9 5.7	7.0	Dev.
Y         2013         282         2.9         3.7         7.8         6.7         8.5         299         3.6         4.7           Feb         0         -         -         -         -         -         0         - <th>7.7 - - - 8.0 8.5 8.6 7.3 7.9 5.7</th> <th>7.0</th> <th></th>	7.7 - - - 8.0 8.5 8.6 7.3 7.9 5.7	7.0	
Jan   0	8.0 8.5 8.6 7.3 7.9 5.7	-	0.0
Feb 0	8.0 8.5 8.6 7.3 7.9 5.7	- 10.9	
### Apr   22   1.9   2.8   4.1   5.0   5.6   33   3.9   4.5	8.5 8.6 7.3 7.9 5.7	10.9	-
May   36   3.0   3.8   9.3   7.2   6.8   43   3.8   4.7     Jun   36   2.9   3.5   6.8   7.1   8.6   30   3.5   4.7     Aug   30   2.8   3.5   3.9   4.6   3.0   3.6   5.7     Sep   39   3.2   3.7   4.7   4.7   2.8   41   3.7   4.3     Oct   54   2.5   3.8   7.7   5.5   4.1   53   3.8   5.3     Nov   31   3.2   5.8   8.8   9.3   13.4   32   2.7   4.0     Dec   0   -   -   -   -   0   -   -     1   0   -   -   -   -   0   -   -     2   0   -   -   -   -   0   -   -     4   0   -   -   -   -   0   -   -     5   0   -   -   -   -   0   -   -     6   0   -   -   -   -   0   -   -   -     7   0   -   -   -   -   0   -   -   -     8   0   -   -   -   -   0   -   -   -     10   0   -   -   -   -   0   -   -   -     10   0   -   -   -   -   0   -   -   -     8   0   -   -   -   -   -   0   -   -   -	8.5 8.6 7.3 7.9 5.7	10.9	-
Sample   Jun   36   2.9   3.5   6.8   7.1   8.6   30   3.5   4.7	8.6 7.3 7.9 5.7		16.1
Aug 30 2.8 3.5 3.9 4.6 3.0 30 3.6 5.7  Sep 39 3.2 3.7 4.7 4.7 2.8 41 3.7 4.3  Oct 54 2.5 3.8 7.7 5.5 4.1 53 3.8 5.3  Nov 31 3.2 5.8 8.8 9.3 13.4 32 2.7 4.0  Dec 0 0 0	7.3 7.9 5.7	6.4	3.6
Aug 30 2.8 3.5 3.9 4.6 3.0 30 3.6 5.7  Sep 39 3.2 3.7 4.7 4.7 2.8 41 3.7 4.3  Oct 54 2.5 3.8 7.7 5.5 4.1 53 3.8 5.3  Nov 31 3.2 5.8 8.8 9.3 13.4 32 2.7 4.0  Dec 0 0 0	7.9 5.7	7.6 6.1	11.0 4.2
Sep   39   3.2   3.7   4.7   4.7   2.8   41   3.7   4.3     Oct   54   2.5   3.8   7.7   5.5   4.1   53   3.8   5.3     Nov   31   3.2   5.8   8.8   9.3   13.4   32   2.7   4.0     Dec   O   -   -   -   -   -   O   -   -     1   O   -   -   -   -   -   O   -   -     2   O   -   -   -   -   -   O   -   -     2   O   -   -   -   -   -   O   -   -     3   O   -   -   -   -   -   O   -   -     4   O   -   -   -   -   -   O   -   -     5   O   -   -   -   -   -   O   -   -     6   O   -   -   -   -   -   O   -   -     7   O   -   -   -   -   -   O   -   -     8   O   -   -   -   -   -   O   -   -     9   O   -   -   -   -   -   O   -   -     11   O   -   -   -   -   -   O   -   -     12   O   -   -   -   -   -   O   -   -     13   O   -   -   -   -   -   O   -   -     14   O   -   -   -   -   -   O   -   -     15   4   1.5   1.6   2.3   2.1   1.0   8   3.8   6.0     16   8   1.9   2.4   4.7   5.9   7.9   19   3.9   4.4     17   8   2.8   3.2   5.2   4.9   3.5   2   3.6   3.8     18   4   4.5   5.3   7.1   6.2   3.2   5   4.3   5.5     19   8   2.4   3.3   7.3   6.0   5.2   9   3.8   4.2     20   11   3.8   8.6   12.5   9.2   6.1   12   4.0   5.2     21   8   2.3   3.1   8.4   5.9   4.9   9   3.9   5.8     22   9   3.3   3.4   4.0   6.9   9.4   9   3.6   3.9     23   13   2.9   3.8   6.6   5.6   5.7   0   12   4.6   8.0     27   10   3.2   6.0   9.6   7.2   4.8   6   3.4   4.8     28   3   2.7   3.2   6.0   4.7   2.9   9   3.6   5.9     29   12   3.1   4.8   20.7   14.5   16.1   7   3.9   4.4     30   6   4.4   6.2   15.1   17.1   21.9   10   3.7   4.9     31   10   2.6   3.0   9.0   5.4   3.3   7   3.8   4.0     32   2   2.7   2.8   3.0   2.8   0.3   5   2.5   3.8     33   8   3.1   3.5   3.9   4.7   3.7   3.8   4.1     34   8   2.8   3.3   3.6   3.4   1.2   9   3.9   5.8     35   6   2.9   3.6   3.7   3.9   2.0   7   3.0   5.8     36   11   3.2   3.6   5.1   5.0   3.1   11   3.6   4.3	5.7	8.6	12.4
Nov   31   3.2   5.8   8.8   9.3   13.4   32   2.7   4.0	77	5.0	2.0
Dec   O   -   -   -   -   -   -   O   -   -	1.1	6.1	3.5
1	7.5	6.6	8.5
2	-	-	-
Note	-	-	-
	-	-	-
Record   Part   Part	-	-	-
7 0 0 0 0	-	-	-
8	-	-	-
9 0 0 1 11 0 1 11 0	-	-	<u> </u>
10	-	-	-
11	-	<del>-</del>	<del>-</del>
13	-	-	-
14	-	-	-
15	-	-	-
16 8 1.9 2.4 4.7 5.9 7.9 19 3.9 4.4  17 8 2.8 3.2 5.2 4.9 3.5 2 3.6 3.8  18 4 4.5 5.3 7.1 6.2 3.2 5 4.3 5.5  19 8 2.4 3.3 7.3 6.0 5.2 9 3.8 4.2  20 11 3.8 8.6 12.5 9.2 6.1 12 4.0 5.2  21 8 2.3 3.1 8.4 5.9 4.9 9 3.9 5.8  22 9 3.3 3.4 4.0 6.9 9.4 9 3.6 3.9  23 13 2.9 3.8 6.6 5.6 3.7 4 2.6 3.0  24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6  25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2  26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0  27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8  28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9  29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4  30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9  31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0  32 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8  33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1  34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8  35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8  36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	63.1	58.2	8.9
17 8 2.8 3.2 5.2 4.9 3.5 2 3.6 3.8 18 4.4 4.5 5.3 7.1 6.2 3.2 5 4.3 5.5 19 8 2.4 3.3 7.3 6.0 5.2 9 3.8 4.2 20 11 3.8 8.6 12.5 9.2 6.1 12 4.0 5.2 21 8 2.3 3.1 8.4 5.9 4.9 9 3.9 5.8 22 9 3.3 3.4 4.0 6.9 9.4 9 3.6 3.9 22 13 3.2 9 3.8 6.6 5.6 3.7 4 2.6 3.0 24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6 25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2 26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8 36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	8.2 5.2	6.2	2.8 6.6
18	4.1	3.8	0.5
20 11 3.8 8.6 12.5 9.2 6.1 12 4.0 5.2 21 8 2.3 3.1 8.4 5.9 4.9 9 3.9 5.8 22 9 3.3 3.4 4.0 6.9 9.4 9 3.6 3.9 23 13 2.9 3.8 6.6 5.6 3.7 4 2.6 3.0 24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6 4.6 25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2 26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8 36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	7.1	6.3	3.1
21 8 2.3 3.1 8.4 5.9 4.9 9 3.9 5.8  22 9 3.3 3.4 4.0 6.9 9.4 9 3.6 3.9  23 13 2.9 3.8 6.6 5.6 3.7 4 2.6 3.0  24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6  25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2  26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0  27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8  28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9  29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4  30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9  31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0  32 2 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8  33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1  34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8  35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8  36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	6.8	5.4	2.6
22 9 3.3 3.4 4.0 6.9 9.4 9 3.6 3.9 23 13 2.9 3.8 6.6 5.6 3.7 4 2.6 3.0 24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6 25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2 26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8 36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	11.0	7.9	4.7
23 13 2.9 3.8 6.6 5.6 3.7 4 2.6 3.0 24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6 25 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2 26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 5.1 5.0 3.1 11 3.6 4.3	8.3	6.1	2.6
24 3 3.0 3.2 5.4 4.5 2.1 2 4.6 4.6 2.5 7 2.9 3.3 13.2 12.1 15.9 11 3.2 4.2 26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 32 2 2 2.7 2.8 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8 36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	6.6 3.4	5.3 3.0	2.8 0.6
26 10 3.0 4.0 5.2 6.5 7.0 12 4.6 8.0 27 10 3.2 6.0 9.6 7.2 4.8 6 3.4 4.8 28 3 2.7 3.2 6.0 4.7 2.9 9 3.6 5.9 29 12 3.1 4.8 20.7 14.5 16.1 7 3.9 4.4 30 6 4.4 6.2 15.1 17.1 21.9 10 3.7 4.9 31 10 2.6 3.0 9.0 5.4 3.3 7 3.8 4.0 32 2 2.7 2.8 3.0 2.8 0.3 5 2.5 3.8 33 8 3.1 3.5 3.9 4.7 3.7 8 4.1 7.1 34 8 2.8 3.3 3.6 3.4 1.2 9 3.9 5.8 35 6 2.9 3.6 3.7 3.9 2.0 7 3.0 5.8 36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	4.7	4.6	0.1
27     10     3.2     6.0     9.6     7.2     4.8     6     3.4     4.8       28     3     2.7     3.2     6.0     4.7     2.9     9     3.6     5.9       29     12     3.1     4.8     20.7     14.5     16.1     7     3.9     4.4       30     6     4.4     6.2     15.1     17.1     21.9     10     3.7     4.9       31     10     2.6     3.0     9.0     5.4     3.3     7     3.8     4.0       32     2     2.7     2.8     3.0     2.8     0.3     5     2.5     3.8       33     8     3.1     3.5     3.9     4.7     3.7     8     4.1     7.1       34     8     2.8     3.3     3.6     3.4     1.2     9     3.9     5.8       35     6     2.9     3.6     3.7     3.9     2.0     7     3.0     5.8       36     11     3.2     3.6     5.1     5.0     3.1     11     3.6     4.3	5.5	4.9	3.0
28         3         2.7         3.2         6.0         4.7         2.9         9         3.6         5.9           29         12         3.1         4.8         20.7         14.5         16.1         7         3.9         4.4           30         6         4.4         6.2         15.1         17.1         21.9         10         3.7         4.9           31         10         2.6         3.0         9.0         5.4         3.3         7         3.8         4.0           32         2         2.7         2.8         3.0         2.8         0.3         5         2.5         3.8           33         8         3.1         3.5         3.9         4.7         3.7         8         4.1         7.1           34         8         2.8         3.3         3.6         3.4         1.2         9         3.9         5.8           35         6         2.9         3.6         3.7         3.9         2.0         7         3.0         5.8           36         11         3.2         3.6         5.1         5.0         3.1         11         3.6         4.3	9.9	11.7	16.1
28         3         2.7         3.2         6.0         4.7         2.9         9         3.6         5.9           29         12         3.1         4.8         20.7         14.5         16.1         7         3.9         4.4           30         6         4.4         6.2         15.1         17.1         21.9         10         3.7         4.9           31         10         2.6         3.0         9.0         5.4         3.3         7         3.8         4.0           32         2         2.7         2.8         3.0         2.8         0.3         5         2.5         3.8           33         8         3.1         3.5         3.9         4.7         3.7         8         4.1         7.1           34         8         2.8         3.3         3.6         3.4         1.2         9         3.9         5.8           35         6         2.9         3.6         3.7         3.9         2.0         7         3.0         5.8           36         11         3.2         3.6         5.1         5.0         3.1         11         3.6         4.3	6.1	5.6	2.9
30         6         4.4         6.2         15.1         17.1         21.9         10         3.7         4.9           31         10         2.6         3.0         9.0         5.4         3.3         7         3.8         4.0           32         2         2.7         2.8         3.0         2.8         0.3         5         2.5         3.8           33         8         3.1         3.5         3.9         4.7         3.7         8         4.1         7.1           34         8         2.8         3.3         3.6         3.4         1.2         9         3.9         5.8           35         6         2.9         3.6         3.7         3.9         2.0         7         3.0         5.8           36         11         3.2         3.6         5.1         5.0         3.1         11         3.6         4.3	9.5 11.3	6.5 8.9	3.5 7.4
31         10         2.6         3.0         9.0         5.4         3.3         7         3.8         4.0           32         2         2.7         2.8         3.0         2.8         0.3         5         2.5         3.8           33         8         3.1         3.5         3.9         4.7         3.7         8         4.1         7.1           34         8         2.8         3.3         3.6         3.4         1.2         9         3.9         5.8           35         6         2.9         3.6         3.7         3.9         2.0         7         3.0         5.8           36         11         3.2         3.6         5.1         5.0         3.1         11         3.6         4.3	5.6	4.8	1.8
33     8     3.1     3.5     3.9     4.7     3.7     8     4.1     7.1       34     8     2.8     3.3     3.6     3.4     1.2     9     3.9     5.8       35     6     2.9     3.6     3.7     3.9     2.0     7     3.0     5.8       36     11     3.2     3.6     5.1     5.0     3.1     11     3.6     4.3	7.7	5.5	2.6
34     8     2.8     3.3     3.6     3.4     1.2     9     3.9     5.8       35     6     2.9     3.6     3.7     3.9     2.0     7     3.0     5.8       36     11     3.2     3.6     5.1     5.0     3.1     11     3.6     4.3	5.7	4.2	2.0
35         6         2.9         3.6         3.7         3.9         2.0         7         3.0         5.8           36         11         3.2         3.6         5.1         5.0         3.1         11         3.6         4.3	7.9	7.6	5.2
36 11 3.2 3.6 5.1 5.0 3.1 11 3.6 4.3	7.3	7.0	20.4 6.1
1 <del>                                    </del>	5.6	7.0 4.6	1.5
37 7 3.4 3.7 3.8 4.5 2.4 7 4.1 5.3	8.0	6.6	3.1
38 10 3.3 3.8 4.1 4.5 2.7 11 3.4 4.3	5.5	4.8	1.8
39 10 2.9 3.9 6.4 4.9 3.0 8 4.1 5.0	5.6	4.9	1.5
40 10 3.0 3.7 4.2 4.2 1.8 8 2.6 3.7	4.0	3.5	1.2
41     9     2.3     3.9     4.4     4.0     2.4     16     3.6     4.6       42     13     3.0     3.7     7.8     4.7     2.7     14     4.8     5.7	5.5 10.0	4.6 7.6	1.7 4.6
43 18 2.8 4.3 13.3 7.4 5.6 16 4.3 6.6	9.1	6.7	3.0
44 8 3.4 5.0 8.1 5.7 2.9 7 4.2 6.8	9.8	6.8	3.0
45 12 3.1 5.3 9.3 10.8 15.6 12 4.0 6.7	8.5	6.8	3.5
46 10 3.6 5.3 7.6 5.7 2.4 9 2.8 3.0	3.9	4.4	2.8
47 3 4.3 6.1 31.5 21.8 24.8 6 2.1 2.3 48 3 3.0 3.3 7.5 5.9 4.1 1 50.1 50.1	2.8	2.6	0.7
48 3 3.0 3.3 7.5 5.9 4.1 1 50.1 50.1 49 0 0	50.1	50.1	0.0
50 0 0	-	-	-
51 0 0		_	-
52 0 0	-	-	-
53 0 0	- 1	-	-

L	13		Dov	vnstrea	m Dire	ction			ı	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (ho	ır)
Unit	Pd.	ıt		ercenti				ŧ		ercentil			
Time I	Time	Count				1	Std.	Count				1 .	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	329	0.8	0.9	1.0	0.9	0.5	342 0	1.0	1.2	1.3	1.3	0.7
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	<del></del>		0			<del>-</del>	<del>-</del>	
	Apr	35	0.7	0.8	0.8	0.9	1.0	42	1.0	1.2	1.3	1.4	1.0
	May	45	0.7	0.8	0.8	0.8	0.1	52	1.0	1.1	1.3	1.1	0.2
Month	Jun	38	0.8	0.8	0.9	0.9	0.8	34	1.1	1.2	1.3	1.3	0.7
M	Jul	40	8.0	0.8	0.9	0.9	0.1	39	1.1	1.3	1.5	1.5	1.0
	Aug	35	0.9	1.0	1.1	1.0	0.2	34	0.9	1.1	1.3	1.2	0.4
	Sep	39	8.0	1.0	1.1	1.0	0.2	42	1.1	1.1	1.2	1.2	0.2
	Oct	58	0.8	1.0	1.0	0.9	0.2	57	1.0	1.2	1.3	1.3	0.7
	Nov	39	0.9	1.0	1.1	1.1	0.4	42	0.9	1.0	1.2	1.1	0.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	_
	3	0					-	0	-		-	-	-
	4	0	-	-	-	-	-	0	_	_	-	-	-
	5	0	-	-		-	-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0				-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	6	0.7	0.7	0.8	0.7	0.0	9	1.1	1.2	1.3	1.2	0.1
	15	8	0.7	0.8	0.8	0.7	0.1	12	1.1	1.2	1.2	1.7	1.6
	16	8	0.7	0.8	0.9	1.5	1.9	19	1.0	1.1	1.3	1.3	0.8
	17	10	0.8	0.8	0.8	0.8	0.1	1	1.8	1.8	1.8	1.8	0.0
	18	5	8.0	0.8	0.8	0.8	0.1	5	1.1	1.2	1.3	1.2	0.1
	19	12	0.7	0.8	0.8	0.8	0.1	12	1.0	1.2	1.5	1.2	0.3
	20	11	0.7	8.0	8.0	8.0	0.1	13	1.0	1.1	1.2	1.1	0.2
	21	11	0.8	0.8	0.9	0.8	0.1	13	1.0	1.1	1.2	1.1	0.1
	22	11	0.7	0.8	0.8	0.8	0.1	10 6	1.0	1.1	1.2 1.3	1.1	0.1
	24	3	0.8	0.8	0.9	0.9	0.0	3	1.2	1.4	3.3	2.6	1.9
	25	7	0.7	0.8	0.8	0.7	0.1	11	1.0	1.1	1.2	1.1	0.3
Ļ	26	12	0.8	0.8	0.8	1.2	1.4	13	1.1	1.2	1.7	1.4	0.3
Week	27	11	0.8	0.8	0.8	0.8	0.1	6	1.0	1.1	1.1	1.0	0.1
>	28	4	0.8	0.8	0.9	0.9	0.1	10	1.2	1.3	1.7	1.7	0.9
	29	11	8.0	8.0	0.9	0.9	0.1	9	1.3	1.3	1.5	1.4	0.3
	30	11	0.9	0.9	1.0	0.9	0.1	9	1.2	1.3	1.6	2.0	1.7
	31	10	0.9	1.0	1.0	1.0	0.1	7	1.1	1.3	1.3	1.2	0.1
	32	3 10	0.9	1.1	1.1	1.0	0.2	6 10	1.0	1.1	1.2	1.1	0.2
	34	10	0.8	0.9	1.1	0.9	0.1	9	0.8	1.1	1.2	1.2	0.5
	35	6	0.9	1.0	1.2	1.1	0.2	8	0.8	1.1	1.3	1.1	0.3
	36	11	0.9	1.0	1.0	1.0	0.1	10	1.0	1.1	1.2	1.2	0.3
	37	6	0.9	1.0	1.1	1.0	0.1	7	1.1	1.2	1.3	1.2	0.1
	38	11	0.9	1.0	1.1	1.0	0.1	11	1.1	1.1	1.1	1.1	0.1
	39	10	8.0	0.9	1.0	0.9	0.2	8	1.1	1.2	1.3	1.2	0.2
	40	11	0.9	1.0	1.1	1.0	0.1	11	1.0	1.1	1.2	1.5	1.4
	41	11	0.8	0.9	1.0	0.9	0.1	18	0.9	1.1	1.1	1.1	0.2
	42 43	14 17	0.9	1.0 1.0	1.1	0.9	0.2	13 17	1.1	1.2	1.3 1.3	1.4	0.5
	43	10	0.8	1.0	1.1	0.9 1.0	0.1	9	1.2	1.2	1.3	1.3	0.3
	45	13	0.9	1.0	1.1	1.1	0.2	13	1.0	1.3	1.5	1.3	0.3
	46	11	0.9	1.0	1.1	1.0	0.1	10	0.9	1.0	1.1	1.0	0.1
	47	5	0.9	1.1	1.1	1.0	0.1	11	0.9	1.0	1.0	1.0	0.2
	48	6	1.0	1.1	1.2	1.1	0.1	3	0.9	0.9	1.0	0.9	0.1
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	_	-	0	-	-	-	-	-

L	14		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
• Unit	∍ Pd.	Ħ		ercenti				Ħ		ercentil		1000	
Time I	Time	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	338	2.6	3.3	3.8	3.4	1.7	343 0	2.9	3.7	4.2	4.0	3.3
	Feb	0	-	_	-	_	-	0	-	_	_	-	_
	Mar	0	-	-	-	-	-	0	-	_	-	-	_
	Apr	35	1.5	2.3	3.5	3.0	2.3	42	3.3	3.9	4.5	4.3	1.9
	May	44	2.2	2.8	3.4	3.3	2.5	51	3.0	3.5	4.0	3.9	3.1
Month	Jun	36	2.9	3.2	3.8	3.5	1.4	34	2.8	3.6	4.2	3.7	1.3
Mo	Jul	38	2.8	3.5	4.4	3.6	1.2	38	3.4	3.9	4.3	6.3	7.7
	Aug	34	2.7	3.5	3.9	3.9	2.4	32	2.7	3.8	4.8	4.2	2.9
	Sep Oct	39 57	3.1 2.3	3.3 3.2	3.8	3.4 3.1	0.8 1.0	42 57	3.3	3.7	4.0 4.2	3.7 3.7	0.8 1.1
	Nov	55	3.1	3.7	4.2	3.8	1.1	47	2.0	2.7	3.5	2.9	1.2
	Dec	0	-	-		-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6 7	0		-			-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-		-	0	-	-		-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	- 4.5	- 4.0	-	-	0	- 0.4	-	- 4.0	-	-
	14 15	6 8	1.4	1.5 1.5	1.6 1.5	1.4 1.4	0.1	9 13	2.4 3.2	3.9 4.0	4.2 4.6	3.6 3.9	0.9
	16	8	2.2	2.9	3.2	3.3	2.2	18	3.4	4.0	4.6	4.9	2.6
	17	10	3.2	3.5	5.1	4.7	2.8	1	4.9	4.9	4.9	4.9	0.0
	18	5	3.6	3.7	4.0	4.3	1.6	5	3.5	3.7	3.8	3.6	0.4
	19	10	1.9	3.0	3.1	2.7	0.7	11	3.0	3.8	4.5	3.7	1.3
	20	11	2.4	2.8	3.1	2.8	0.7	13	3.4	4.0	4.1	5.4	5.7
	21	12 11	2.2	2.7	3.6	2.8 4.7	0.9 4.4	13	2.8	3.2	3.3	3.1	0.9
	22	13	2.3 3.0	3.2	3.5	3.4	0.6	10 6	2.9	3.4 2.5	3.9 3.1	3.5 2.8	1.0 0.7
	24	3	3.3	3.3	3.4	3.4	0.1	3	4.3	4.4	5.4	4.9	1.0
	25	7	2.8	2.9	3.0	3.0	0.6	12	2.5	3.3	3.8	3.0	1.0
ž	26	10	3.1	3.5	4.5	4.2	2.4	12	3.6	4.0	5.0	4.3	1.1
Week	27	11	3.1	3.4	4.2	3.5	0.9	5	2.9	3.5	3.9	3.5	1.3
	28	4	2.6	3.6	4.7	3.7	1.3	12	3.2	3.6	4.2	3.8	1.3
	29 30	10 10	2.6 3.4	3.4 3.7	4.0 5.1	3.3 4.2	0.8 1.5	10 6	3.5 4.3	3.8 5.3	5.1 16.7	9.8 9.8	12.3 7.7
	31	10	3.3	3.5	3.7	3.8	1.6	8	4.1	4.1	5.3	4.7	1.3
	32	3	2.3	2.7	3.3	2.9	0.9	5	2.6	3.6	4.3	3.4	1.2
	33	8	3.4	3.6	4.4	5.2	3.9	10	3.3	3.8	5.4	4.4	1.6
	34	11	2.2	3.6	4.2	3.4	1.2	7	2.3	2.7	3.6	2.9	1.0
	35	6	2.8	3.5	3.7	3.1	0.7	8	3.0	3.8	4.7	5.5	4.9
	36 37	11 6	3.2	3.7	3.9	3.5 3.4	0.6	10 7	3.3	3.6	4.2	3.8 4.0	0.6
	38	11	3.1	3.4	3.4	3.4	0.5	11	3.8	3.6	3.9	3.6	1.1
	39	10	2.5	3.3	3.5	3.2	1.2	10	3.7	3.8	4.0	3.9	0.9
	40	11	2.3	3.3	4.0	3.4	1.1	9	2.2	2.8	3.7	2.9	0.8
	41	10	2.9	3.2	3.5	3.2	0.8	18	3.2	3.6	4.1	3.5	0.9
	42	15	2.2	3.3	3.9	3.0	1.0	14	3.4	3.7	3.9	3.9	1.2
	43	17	2.3	2.9	3.3	2.8	0.8	16	3.6	3.8	4.2	3.9	1.1
	44 45	9 13	2.1 3.2	3.7 3.7	4.0 4.5	3.2 4.2	0.9 1.5	9	3.4	3.8	4.3 4.1	3.8 3.8	0.8 1.4
	46	11	2.6	3.5	4.0	3.6	1.3	10	2.0	2.2	3.7	2.8	1.4
	47	16	3.1	3.7	4.1	3.7	0.8	14	1.9	2.2	2.8	2.3	0.5
	48	11	3.5	3.8	4.2	3.8	0.6	5	1.7	1.7	1.8	1.7	0.2
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	55	U											

L	15		Dov	vnstrea	m Dire	ction			Ų	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (ho	ır)
ᆰ	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	e		Std.
Time (	Time	ŝ	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2013	337	3.2	4.0	4.9	4.5	3.1	338	2.9	4.0	4.7	4.2	3.1
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	34	1.6	3.1	4.5	3.7	3.2	41	3.5	3.8	4.4	5.2	6.6
اء	May	43	2.7	3.8	5.5	5.0	3.9	51	2.8	3.7	4.2	3.6	1.0
Month	Jun Jul	36 38	3.6	4.2 4.4	6.2 5.4	5.8 4.9	3.9 2.9	37 34	3.3	4.5 4.4	5.3 4.8	4.7 4.3	2.3
≥	Aug	33	3.2	3.6	4.3	3.8	1.2	32	3.4	4.0	4.8	4.0	1.3
	Sep	40	3.7	4.0	4.5	4.0	1.0	40	3.6	4.0	4.5	4.0	1.1
	Oct	57	2.4	3.6	4.3	3.6	1.4	57	3.4	4.2	4.7	4.5	3.7
	Nov	56	3.8	4.3	5.5	5.3	4.0	46	2.2	2.5	4.4	3.4	1.6
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	<u> </u>	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-		-	0	-	-	-	-	
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	_		_			0	-	-			
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	6	1.4	1.6	1.6	1.5	0.1	9	3.5	4.2	4.7	3.9	0.9
	15 16	7 8	1.5 2.2	1.5 2.6	3.5	3.7 2.8	4.1 1.1	13 17	3.4 3.5	3.9	4.5 4.1	7.8 4.0	11.1 1.5
	17	9	3.7	4.7	6.8	6.1	3.7	1	5.3	5.3	5.3	5.3	0.0
	18	5	3.4	3.5	4.8	5.1	2.7	5	3.4	3.8	4.1	3.8	0.4
	19	10	3.5	4.0	4.7	4.0	1.2	11	2.8	4.3	4.4	3.8	1.1
	20	11	2.5	4.2	5.8	4.7	2.7	14	3.4	4.0	4.5	3.9	1.2
	21	13	2.7	3.2	4.3	3.5	1.2	12	2.5	2.9	3.8	3.1	0.7
	22	10	2.9	3.5	12.5	7.4	6.4	10	2.8	3.5	4.1	3.5	0.7
	23	13	3.8	5.2	6.0	5.5	3.1	6	2.5	3.5	6.8	5.1	3.3
	24	4	4.1	4.4	7.2	6.9	4.7	3	3.9	4.4	4.6	4.2	0.6
	25 26	7 9	3.5	4.0 4.7	7.5 5.7	5.5 6.8	2.5 5.4	13 11	2.7 4.2	3.6 4.8	4.5 6.0	4.0 5.3	2.1
Week	27	11	4.2	5.7	8.9	7.1	4.2	5	3.3	4.8	6.0	4.8	1.5
≥	28	3	2.5	3.1	3.8	3.1	1.1	12	3.4	3.9	4.4	3.8	0.8
	29	11	3.1	4.0	4.4	3.8	1.3	11	3.5	4.5	5.4	4.5	1.6
	30	10	4.0	4.3	4.6	4.2	1.0	4	4.8	5.1	5.5	5.2	0.6
	31	9	3.4	3.8	5.3	4.2	1.3	8	4.0	4.4	4.7	4.3	0.5
	32	4	3.5	3.7	3.9	3.7	0.4	6	3.4	3.6	4.7	4.0	1.5
	33	6	4.1	5.1	6.5	5.3	1.3	8	4.0	5.1	5.6	4.9	1.3
	34	11	3.1	3.2	3.4	3.2	0.9	8 g	2.6	4.1	4.5	3.7	1.3
	35 36	7 11	3.0	3.6 3.9	4.2	3.5 3.9	0.9	8 9	3.1	4.0 3.8	4.5 4.2	3.6 4.1	1.1
	37	6	3.8	4.4	5.3	4.8	1.5	6	3.9	4.0	4.1	4.1	0.5
	38	10	3.9	4.3	4.5	4.2	0.5	12	3.7	4.2	4.7	4.1	1.0
	39	12	3.1	3.9	4.1	3.6	1.0	9	3.5	4.4	4.5	4.1	1.0
	40	11	3.1	3.8	4.0	3.5	1.0	9	2.3	2.6	3.9	3.1	1.2
	41	10	2.7	3.8	4.4	3.8	1.3	18	3.4	3.7	4.6	3.8	1.1
	42	15	2.6	4.2	4.6	3.8	1.4	15	3.9	4.7	5.7	6.2	6.6
	43	17	2.4	3.2	4.0	3.6	1.7	15	3.9	4.2	4.7	4.1	0.9
	44	9	2.9	3.8	4.2	3.5	1.0	8	3.6	4.2	4.5	4.0	1.0
	45	13	3.9	4.3	5.5	6.7	7.6	13	3.6	4.7	5.8	4.6	1.8
	46 47	10	3.9	4.6	6.4	5.0	1.6	10	2.2	2.3	3.9	3.2	1.6
	48	17 12	3.8	4.3 4.4	5.5 5.4	5.0 4.8	1.9 1.5	15 4	2.0	2.2	2.5 2.6	2.5 2.4	0.8
	49	0	3.7	4.4	5.4	4.0	1.5	0	2.0	Z. I -	2.0	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	_	-	-	0	-	-	-	-	-
	52	0			-	-		0	-				
	53	0					L	0	-		-		

L	16		Dov	vnstrea	m Dire	ction				Instrear	n Direct	ion	
				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	+		ercenti				ŧ		ercentil		luto (iiot	
Time	Time I	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2013	281	2.3	2.8	4.7	4.3	3.5	274	2.9	3.5	6.1	5.0	3.4
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	35	1.7	1.9	2.3	2.5	1.8	44	3.2	3.6	5.2	4.5	2.3
	May	0	-	-	-	-	-	0	-	-	-	-	-
ŧ	Jun	1	6.6	6.6	6.6	6.6	0.0	1	15.0	15.0	15.0	15.0	0.0
Month	Jul	34	2.3	2.6	4.2	4.3	3.5	35	3.2	4.1	7.1	5.4	2.6
	Aug	35	2.6	3.1	6.8	4.5	2.6	33	2.9	3.6	6.0	5.1	3.2
	Sep	44	2.4	2.8	3.8	3.5	2.3	41	3.0	3.2	4.9	4.6	2.7
	Oct	61	2.6	3.0	7.1	5.6	4.8	59	3.2	3.6	7.1	5.8	4.3
	Nov	71	2.5	3.0	4.5	4.4	3.4	61	2.3	2.8	4.2	4.2	3.4
	Dec 1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	_	-	-	_
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
Î	8	0	-	-	-	-	-	0	-	-	-	-	-
Î	9	0	-	-	-	-	-	0	-	-	-	-	-
	10 11	0	-	-	-	-	-	0	-	-	-	-	-
Î	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	_	-	-	_
	14	6	1.7	1.7	1.8	1.7	0.1	9	3.7	4.3	5.3	5.1	2.1
	15	6	1.7	1.8	1.9	3.2	3.1	14	3.1	3.2	4.2	4.0	1.3
	16	7	1.8	1.9	3.8	3.2	2.2	17	3.3	3.5	5.0	4.8	2.9
	17	10	2.1	2.2	2.2	2.3	0.7	1	3.0	3.0	3.0	3.0	0.0
	18	6	2.2	2.3	2.5	2.2	0.6	3	3.5	3.8	5.1	4.5	1.3
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20 21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0		-			-	0					
	23	0	-	-	-	-	-	0	-	_	-	-	_
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	1	6.6	6.6	6.6	6.6	0.0	0	-	-	-	-	-
×	26	0	-	-	-	-	-	1	15.0	15.0	15.0	15.0	0.0
Week	27	4	3.9	8.7	13.0	8.2	5.0	1	3.3	3.3	3.3	3.3	0.0
	28	3	4.3	6.3	8.4	6.3	3.4	13	2.8	4.1	7.4	5.3	2.5
1	29 30	12 11	2.2	2.6 2.4	5.6 2.9	4.6 2.5	3.7 0.5	11 5	3.2 2.9	5.2 3.6	6.3 5.3	5.4 4.9	2.7
Î	31	9	2.3	2.4	2.8	3.4	2.3	8	3.4	3.7	6.8	5.2	2.5
1	32	5	2.9	3.2	4.0	4.2	2.1	6	3.0	3.6	4.1	5.2	4.3
1	33	7	2.7	2.8	6.6	4.9	3.3	10	3.0	4.6	6.1	5.6	3.5
Î	34	11	2.7	3.8	7.8	5.0	2.5	6	2.9	3.4	4.0	4.1	2.1
1	35	7	2.6	3.1	4.0	3.7	1.6	8	3.7	5.5	8.2	5.9	2.8
Î	36	13	2.3	2.6	3.0	2.8	0.9	9	2.6	3.0	3.2	3.8	2.7
1	37	6 12	2.7	2.9	5.0	5.3	4.6	7	3.2	3.6	8.3	5.7	3.2
1	38 39	11	2.5	3.0 2.8	4.3	3.5 3.6	1.4 1.8	12 9	2.8 3.2	3.0	3.4 7.2	3.6 5.3	1.8 2.8
Î	40	13	2.6	2.9	3.8	4.1	2.9	11	3.3	4.5	7.0	4.8	1.8
1	41	11	2.5	3.7	5.8	4.4	2.7	17	3.0	3.4	4.3	5.2	3.9
1	42	12	3.0	6.7	10.4	7.5	4.6	16	3.4	4.0	8.2	7.2	5.6
Î	43	18	2.6	2.7	3.0	4.7	4.0	12	3.3	3.5	5.5	5.3	3.4
1	44	13	2.7	3.3	5.1	6.6	6.6	12	3.1	3.5	5.4	5.1	3.3
1	45	15	2.2	2.7	9.6	5.4	4.9	18	2.8	3.1	4.1	5.1	4.1
Î	46	17	2.8	3.3	7.4	5.0	3.3	13	2.5	3.8	9.0	5.5	4.1
Î	47 48	22 13	2.5	2.9 3.1	3.1	3.2 4.4	2.1 3.3	21 4	2.3	2.5	3.0 2.5	3.1 2.4	0.2
1	49	0	-	J. I	3.5	4.4	-	0	Z. I -	2.3	2.5	-	- 0.2
1	50	0	-	-	-	-	-	0	-	-	-	-	-
Î	51	0	-	-		-		0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	-	_
L	53	0	-	-	-	-	-	0	-	-	-	-	-
	_	_	_	_	_	_	_	_			· <u></u>	· <u></u>	_

L	17		Dov	vnstrea	m Dire	ction		1	-	Jpstrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	ŧ		ercenti				ŧ		ercentil		luto (iiot	
Time I	Time I	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	272	3.1	3.7	4.3	4.4	5.0	264	3.1	3.8	4.7	4.5	3.0
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	34	1.6	2.5	3.4	2.5	1.0	43	3.3	3.6	4.1	4.1	2.5
	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
Mo	Jul	32	3.3	3.6	4.6	4.7	2.9	33	3.5	3.8	4.7	4.2	1.8
	Aug	36	2.8	3.6	4.2	3.8	1.8	34	3.3	4.0	5.6	4.9	2.5
	Sep	43	3.2	3.8	4.2	4.2	2.6	41	3.5	3.9	4.3	4.3	2.4
	Oct	58	2.7	3.6	4.0	3.7	1.9	59	3.4	4.1	5.8	4.7	2.4
	Nov	69	3.4	4.2	6.1	6.3	8.8	54	2.2	3.0	4.5	4.8	4.8
$\vdash$	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-		-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-		-	-	0	-	-	-	-	
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	6	1.3	1.4	1.5	1.4	0.1	9	3.2	3.8	4.1	3.6	0.6
	15	6	1.5	1.6	1.8	1.7	0.3	15	3.2	3.4	3.7	3.5	0.7
	16	7	2.1	2.6	3.4	2.6	0.8	17	3.3	3.8	4.3	4.1	1.9
	17	10	2.9	3.2	3.4	3.1	0.7	0	-	-	-	-	-
	18	5	3.7	3.8	3.9	3.7	0.3	2	7.4	10.8	14.1	10.8	6.7
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	
	23	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	_	_	-	0	-	-	-	-	-
Ļ	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	1	3.6	3.6	3.6	3.6	0.0	1	2.3	2.3	2.3	2.3	0.0
>	28	4	3.2	5.3	8.4	6.2	3.4	12	3.5	3.6	4.2	3.8	1.0
	29	12	3.6	3.6	4.4	4.5	2.7	11	3.8	4.2	5.0	4.3	1.2
	30	10	3.4	3.5	4.3	4.6	3.1	5	3.4	3.7	4.3	5.1	3.6
	31	10	3.1	3.7	4.4	4.0	1.6	7	3.9	5.0	5.2	4.8	1.3
	32	8	2.4 3.3	3.1	3.7 4.6	3.0 4.5	0.8 2.6	5 10	2.4 3.4	4.3 3.9	4.3 6.6	4.8 5.2	3.4 2.7
	34	11	2.3	3.1	3.8	3.5	1.8	7	3.6	3.9	4.6	4.1	0.9
	35	8	3.8	4.1	4.5	4.0	1.1	9	3.6	4.1	5.7	4.9	2.6
	36	12	3.0	3.7	4.2	4.6	3.9	9	3.3	3.7	4.3	4.9	3.5
	37	8	3.2	3.5	4.2	3.7	0.5	9	3.9	4.1	4.1	3.8	0.7
	38	11	3.5	4.1	4.2	4.2	1.3	10	3.3	3.7	4.1	3.9	1.2
	39	10	2.7	3.6	4.1	3.4	1.0	9	3.2	3.8	4.2	4.7	3.2
	40	11	3.4	3.6	3.8	4.6	2.7	12	2.5	4.0	4.6	4.1	2.0
	41	10	1.9	3.5	4.1	3.1	1.1	17	3.1	3.8	4.2	4.2	2.2
	42	13 19	2.4 3.1	3.5 3.5	4.2	4.3 3.6	3.4 1.1	18 12	3.6 4.0	4.4 5.3	5.7 6.7	4.7 5.3	1.5 2.0
	43	12	3.5	3.7	4.0	3.7	0.7	11	3.8	4.1	5.9	5.7	3.5
	45	14	3.1	3.5	4.3	6.1	7.0	15	2.7	4.2	7.2	5.7	3.8
	46	16	3.1	3.8	5.1	9.0	16.5	10	2.0	2.6	3.6	4.5	6.2
	47	21	3.4	4.7	7.5	5.4	2.8	17	2.2	2.6	4.0	4.8	5.7
	48	13	4.2	5.8	6.8	5.7	1.5	5	2.2	2.3	2.7	2.5	0.6
	49	0		-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	JJ	U			-			U					

L	18		Dov	vnstrea	m Dire	ction		1	-	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	∍ Pd.	nt		ercenti				Ħ		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
Ÿ	2013		25th	50th	75th	Avg.	<b>Dev.</b> 2.2	261	<b>25th</b> 4.2	50th	75th	Avg.	Dev.
H	Jan	264 0	3.2	3.7	4.2	4.1	- 2.2	0	4.2	4.7	5.5	5.3	2.3
	Feb	0	-	-	-	_	-	0	-	_	_	-	_
	Mar	0	-	-	-	-	-	1	8.2	8.2	8.2	8.2	0.0
	Apr	34	2.6	2.9	3.3	3.8	4.1	40	4.0	4.4	5.0	4.9	1.9
	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	1	0	-	-	-	-	-
Š	Jul	33	3.2	3.6	3.8	3.7	1.0	33	4.5	4.9	5.5	5.0	1.0
	Aug	38	3.5	4.1	4.3	4.6	2.3	39	4.5	4.7	6.7	6.3	3.3
	Sep Oct	47 64	3.5	3.8	4.5 4.1	4.4 3.9	2.5 1.4	46 66	4.3	5.0 4.7	5.7 5.6	5.4 5.5	2.1
	Nov	48	3.5	3.8	4.4	4.0	0.9	36	3.5	4.2	4.9	4.5	1.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	1	-	-	0	-	-	-	-	-
Î	3	0	-	-	-	-	-	0	-	-	-	-	-
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7 8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	0	_	_	-		-	0	-	-		-	_
1	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	1	1	-	-	0	-	-	-	-	-
	12	0	-	-	-	-		0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	6	2.5	2.6	2.7	2.6	0.2	9	4.4	4.7	5.1	5.0	1.2
	15 16	6 7	2.6	2.8	3.1	6.7 3.8	8.9 2.3	15 16	4.0	4.3	4.5 5.2	4.4 5.4	0.6 2.8
	17	9	2.8	3.1	3.5	3.0	0.4	0	3.8	4.4	5.2	-	2.0
	18	6	3.0	3.2	3.5	3.3	0.3	1	6.4	6.4	6.4	6.4	0.0
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24 25	0	-	-	-	-	-	0	-	-	-	-	-
	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	1	3.2	3.2	3.2	3.2	0.0	0	-	-	-	-	-
>	28	4	3.1	3.5	5.2	4.7	2.6	12	4.0	4.7	5.1	4.6	1.0
	29	12	3.1	3.3	3.6	3.4	0.3	11	4.5	4.8	5.0	4.9	0.4
	30	10	3.5	3.6	3.8	3.7	0.3	7	4.6	5.3	5.6	5.2	0.6
1	31	11	3.8	4.0	4.4	4.1	0.5	6	5.9	6.3	7.6	6.6	1.2
1	32	6 9	4.0	4.2	8.5 4.2	6.7 4.9	4.1 2.3	7 12	4.5 4.4	4.8 5.1	10.7 6.9	7.3 6.1	3.7 2.9
1	34	11	3.1	3.5	3.8	3.5	0.6	7	4.6	4.7	4.8	5.9	3.2
Î	35	7	3.5	4.2	4.8	4.4	1.2	10	4.3	4.7	4.9	5.9	3.9
1	36	11	3.5	3.6	4.2	3.9	1.1	8	3.9	4.4	5.6	5.1	2.2
Î	37	10	3.5	3.6	4.0	3.8	0.4	12	5.0	5.1	5.9	6.6	3.3
Î	38	12	3.7	3.8	4.5	4.0	0.6	12	4.5	4.9	5.5	4.9	8.0
1	39	12	3.4	4.2	4.5	4.9	3.7	9	4.3	5.0	5.6	5.1	1.0
Î	40	8 13	3.6	3.9	4.1	5.0	3.4	13	3.9	4.6	6.3	5.9	3.4 1.2
1	41 42	15	3.4	3.5	3.8 4.0	3.6 3.9	0.6 1.9	18 20	4.4 4.5	4.6 4.9	4.7 5.7	4.8 5.7	2.7
1	43	21	3.5	3.7	4.1	3.7	0.9	14	4.5	5.0	6.4	5.7	2.1
Î	44	13	3.4	3.7	4.3	4.4	1.8	10	4.6	5.2	6.0	5.3	0.8
1	45	11	3.6	4.3	4.7	4.1	0.7	14	4.1	4.7	5.7	5.1	1.6
1	46	14	3.4	3.7	4.1	3.7	0.5	7	3.6	4.2	4.4	4.0	0.5
Î	47	8	3.5	3.8	4.4	4.5	1.8	7	3.2	3.3	3.7	3.5	0.6
1	48	11	3.6	4.3	4.6	4.1	0.6	4	3.3	3.5	3.8	3.6	0.4
1	49	0	-	-	-	-	-	0	-	-	-	-	-
Î	50 51	0	-	-	-	-		0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0			-			0	-	-	-	-	-
_									_	_	_		

L	19		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ē	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time l	Time	Col	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	299	2.8	3.4	4.0	3.7	1.9	291	3.0	3.8	4.3	3.9	1.8
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	2	2.0	2.2	2.3	2.2	0.3	3	4.0	4.3	4.8	4.4	0.6
	Apr May	37 0	1.7	2.5	3.2	2.8	2.1	43 2	3.2 4.3	3.5 5.1	4.0 5.9	4.2 5.1	2.6 1.6
手	Jun	1	2.5	2.5	2.5	2.5	0.0	0	-	-	-	-	-
Month	Jul	34	3.0	3.3	4.1	3.5	0.9	36	3.4	3.8	4.4	3.9	1.1
_	Aug	43	3.1	3.6	4.0	3.8	2.0	43	3.5	4.0	4.8	4.1	1.3
	Sep	49	3.2	3.5	4.0	4.1	2.6	49	3.5	3.9	4.3	4.2	1.9
	Oct	70	2.9	3.4	3.8	3.6	1.5	70	3.3	3.8	4.3	3.9	1.6
	Nov	63	3.3	3.8	4.4	4.1	1.5	45	1.8	2.1	3.4	2.7	1.2
_	Dec 1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-		0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-		-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	2	2.0	2.2	2.3	2.2	0.3	2	4.6	4.8	5.0	4.8	0.5
	14	7	1.5	1.7	1.9	1.8	0.5	10	3.2	3.7	3.9	3.4	0.7
	15	7	1.5	1.6	1.8	1.9	0.6	17	3.2	3.6	4.3	4.7	3.2
	16	7	1.8	1.9	2.6	2.2	0.6	16	3.2	3.3	3.8	4.0	2.5
	17	9 7	2.5	3.1 3.2	3.3	3.7 4.5	2.5	0	4.3		-		1.6
	18 19	0	3.1	-	3.9	4.5	2.9	2	6.7	5.1 6.7	5.9 6.7	5.1 6.7	1.6 0.0
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	1	2.5	2.5	2.5	2.5	0.0	0	-	-	-	-	-
Week	26 27	1	2.8	2.8	2.8	2.8	0.0	0	-	-	-	-	-
š∣	28	5	2.6	3.1	3.1	2.9	0.0	13	3.4	3.8	4.4	3.8	0.9
	29	13	3.0	4.0	4.3	3.7	1.1	14	3.4	3.7	4.3	4.0	1.1
	30	9	3.3	3.8	4.4	4.0	0.9	6	2.6	4.0	4.6	4.0	1.6
	31	10	3.0	3.1	3.6	3.3	0.6	6	3.8	4.0	4.1	3.9	0.5
	32	7	2.5	3.1	4.4	4.7	4.0	8	3.4	3.9	4.5	3.9	1.2
	33	10	3.5	3.7	5.1	4.4	1.3	13	3.5	3.9	4.5	3.9	1.2
	34	14 8	1.8	3.4	3.8	3.0	1.1	8 11	3.3	4.0	4.1 5.7	4.1 4.7	1.4 1.4
	35 36	12	3.0	3.6 3.4	3.9	3.5	0.8	10	4.0 3.2	3.5	4.0	3.5	1.4
	37	11	3.4	3.6	6.2	6.2	4.5	12	3.9	4.2	5.9	5.3	2.7
	38	13	3.2	3.4	3.8	3.6	0.8	13	3.7	4.1	4.2	3.9	0.7
	39	11	3.3	3.6	3.8	3.8	1.1	9	3.4	3.8	4.3	3.9	1.2
	40	11	2.7	3.3	3.7	3.6	2.0	14	2.6	3.4	3.9	3.7	1.8
	41	14	3.1	3.6	3.7	3.4	0.7	19	3.3	3.6	4.3	3.6	0.9
	42	16	2.4	3.3	4.0	3.4	1.4	21	3.6	3.8	4.3	4.4	2.5
	43 44	22	3.0	3.4	3.8	3.6	1.2	15	3.6	4.0	4.7	4.1	1.0
	44	14 11	3.0	3.5 3.9	4.0 5.3	4.0 5.0	1.8 2.8	11 14	3.5 2.2	4.0 3.6	4.5 4.1	4.1 3.5	1.1 1.4
	46	13	2.8	3.3	3.8	3.4	0.8	8	2.1	2.2	2.7	2.6	0.8
	47	15	3.3	3.7	4.1	3.7	0.5	12	1.7	1.8	2.0	1.8	0.1
	48	19	3.8	4.3	5.1	4.4	1.1	6	1.7	1.8	1.9	2.0	0.5
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-		_	0	-	-	-	-	

L	20		Dov	vnstrea	m Dire	ction		1	-	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
• Unit	∍ Pd.	Ħ		ercenti				Ħ		ercentil		1000	
Time I	Time I	Count					Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	277	3.7	4.3	6.3	5.7	3.7	272 0	4.5	5.2	6.0	5.8	2.4
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	2	3.3	3.3	3.4	3.3	0.1	4	6.3	7.3	8.6	7.6	1.7
	Apr	32	2.9	3.5	6.2	5.5	4.4	41	4.7	5.5	7.1	6.1	2.1
	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
Mo	Jul	33	3.6	4.0	6.0	5.4	3.2	37	5.0	5.7	6.8	6.3	2.0
	Aug	42	3.8	4.5	5.3	5.2	2.3	43	4.5	5.2	5.5	5.3	1.3
	Sep	48	3.6	4.1	5.0	5.0	2.5	48	4.8	5.3	5.9	5.7	2.2
	Oct	65	4.0	4.6	6.6	6.1	4.0	66	4.6	5.4	6.3	6.3	3.4
	Nov	55	3.8	4.8	7.5	6.7	4.4	33	3.8	4.0	4.7	4.3	1.1
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-		-		0	-	-	-	-	_
	10	0	-	-		-		0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	2	3.3	3.3	3.4	3.3	0.1	2	5.8	6.0	6.3	6.0	0.5
	14	5	3.0	4.7	6.1	4.6	1.5	11	5.5	7.2	8.6	7.3	2.1
	15 16	7	2.7	2.9 3.4	5.6 6.2	4.4 4.7	2.6	16 15	4.6	5.0 5.5	7.2 6.0	6.1 5.6	2.5 1.6
	17	7	3.5	3.7	11.6	8.5	7.4	0	4.7	-	-	-	-
	18	6	3.2	3.5	5.3	4.9	2.7	1	6.7	6.7	6.7	6.7	0.0
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-		0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
쓩	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	1	9.1	9.1	9.1	9.1	0.0	0	- 4.0		- 6.7	- F.C	-
	28 29	5 13	3.6	3.8	6.0 8.1	5.3 6.3	2.4 4.4	13 15	4.8 5.1	5.1 5.9	6.7 8.8	5.6 6.9	1.1 2.6
	30	8	3.6	3.7	4.1	3.8	0.4	6	5.5	6.0	6.1	5.8	0.7
	31	9	4.1	5.0	7.4	6.2	2.7	7	4.8	5.2	8.5	6.7	2.3
	32	8	3.6	4.6	5.1	4.5	0.8	6	5.0	5.2	6.0	5.4	0.6
	33	9	4.2	4.4	6.2	5.5	2.0	14	4.4	5.0	5.5	5.1	1.2
	34	13	3.2	4.3	6.9	5.4	2.8	7	5.2	5.5	6.3	5.9	1.0
	35	9	4.3	4.5	4.7	4.4	0.6	12	4.5	4.6	5.2	4.7	8.0
	36	12	3.7	3.9	4.3	4.0	0.6	11	4.6	5.3	5.7	6.2	3.8
	37	11	3.8	4.1	4.2	4.7	2.1	10	4.8	5.2	5.6	5.3	0.9
	38	12	3.8	4.5	5.4	4.9	1.3	12	4.4	5.5	6.3	5.7	1.7
	39 40	11 10	3.8	5.7 4.3	10.2 4.5	6.9 4.1	3.9 0.8	8 14	5.3 4.8	5.8 5.1	5.9 6.5	5.8 6.9	1.1 5.2
	41	14	4.0	4.9	7.9	6.1	3.4	19	4.6	4.8	6.3	5.9	2.4
	42	14	4.1	4.6	7.2	5.9	3.3	19	4.7	5.3	5.9	5.7	2.0
	43	22	4.0	4.5	6.4	6.1	4.7	15	4.8	5.8	6.4	5.9	1.5
	44	9	4.2	7.5	9.8	8.0	4.4	8	5.3	6.0	8.4	7.8	4.3
	45	8	3.6	4.4	7.7	5.9	2.9	7	4.2	4.8	5.3	4.8	1.0
	46	13	4.1	4.8	12.3	7.6	4.9	8	3.8	4.2	4.4	4.2	0.5
	47	14	3.8	4.4	7.5	6.4	4.4	12	3.6	3.7	4.1	3.8	0.4
	48	18	3.9	4.8	6.9	6.5	4.7	4	3.8	3.8	3.9	3.9	0.2
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
Щ	00	U					-	U	_				

L	21		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ur)
ē	e Pd.	T T	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	421	2.8	3.3	3.8	3.6	2.7	408	3.1	3.8	4.4	4.4	4.3
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	- 4.0	-	-
	Mar Apr	39	1.4 1.7	1.5 3.0	1.6 3.4	1.5 3.9	0.1 6.8	6 43	2.6 3.3	3.8	4.0 4.3	3.3 4.5	1.0 3.1
	May	47	2.7	3.2	3.7	3.5	1.9	60	3.2	3.8	4.1	4.1	3.8
Month	Jun	40	2.8	3.1	3.3	3.1	1.0	41	3.4	3.9	4.8	4.4	2.3
Š	Jul	46	2.8	3.2	3.6	3.3	1.0	42	3.2	3.9	4.6	4.1	1.4
	Aug Sep	44 51	3.2 3.1	3.7	4.1	3.8 4.0	1.3 2.6	43 49	3.6	4.1	4.7 4.7	4.5 4.8	2.3 3.5
	Oct	81	2.6	3.3	3.8	3.3	1.3	78	3.4	4.0	4.7	5.0	7.6
	Nov	66	3.2	3.8	4.2	4.1	2.0	43	1.8	2.2	3.2	3.2	3.4
	Dec	3	4.1	5.4	6.1	5.0	1.7	3	2.1	2.3	3.0	2.6	8.0
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7 8	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	9	0	-	-	-	-	<u> </u>	0	-	-	-	-	-
1	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	3	1.5	1.6	1.6	1.6	0.1	3	2.6	3.6	3.9	3.1	1.1
	14	6	1.5	1.5	1.6	1.8	0.6	12	3.6	4.0	4.2	3.8	0.6
	15	9	1.5	1.7	2.2	6.6	13.5	18	3.2	3.6	4.0	4.5	3.9
	16	7	1.8	2.4	2.9	2.3	0.7	15	3.3	3.8	4.5	4.7	3.0
	17	10	3.1	3.4	3.9	4.1	2.4	1	4.5	4.5	4.5	4.5	0.0
	18 19	11 9	3.0 2.0	3.2 2.4	3.8	3.3 2.6	0.8	6 18	3.3	3.7	3.9 4.1	3.6 5.0	0.4 6.5
	20	12	2.7	3.0	3.3	3.0	0.7	13	3.1	3.6	3.8	3.4	0.6
	21	15	2.8	3.2	3.6	3.4	1.2	12	3.4	3.9	4.2	3.8	1.0
	22	10	3.4	4.2	5.7	5.4	3.1	11	3.0	3.8	4.4	4.1	2.0
	23 24	8 6	2.7 3.1	3.1	3.3	2.8 3.3	0.8	5 4	4.1 3.5	6.0 4.0	6.6 4.6	5.9 4.2	2.3 0.9
	25	7	3.1	3.2	3.2	3.1	0.1	19	3.3	3.8	4.6	3.7	1.0
폿	26	13	2.5	3.1	3.3	3.1	1.4	10	3.6	4.0	4.8	5.3	3.7
Week	27	14	2.8	3.0	3.1	2.9	0.6	3	2.7	3.7	3.8	3.1	0.9
	28 29	7 15	2.6 3.0	2.8 3.3	3.5	3.0	0.6	16 17	2.8 3.4	3.8	4.6 4.7	3.9 4.3	1.5 1.1
1	30	8	3.2	3.4	3.7	3.4	0.7	6	2.5	3.3	4.2	3.5	1.1
ĺ	31	10	2.6	3.2	4.0	3.7	1.8	8	3.6	4.0	4.2	4.3	1.5
ĺ	32	9	3.2	3.5	3.8	3.6	0.9	4	3.6	4.0	4.1	3.7	0.7
ĺ	33	9 13	3.6	3.7	5.3 4.1	4.7 3.6	1.7 1.5	14 9	3.9	4.5	5.4 4.6	4.5 5.6	1.7 4.1
1	35	9	3.2	3.7	4.1	3.7	0.8	11	3.8	4.3	4.8	4.4	1.3
1	36	13	3.2	3.5	4.3	4.0	1.5	11	3.6	3.8	4.7	4.4	1.5
ĺ	37	11	3.3	3.6	3.9	3.7	0.6	10	4.0	4.3	5.0	4.6	1.4
ĺ	38	14 10	3.2	3.5	4.0	3.6	1.0	14 9	3.2	3.9 4.4	4.5 7.3	3.9	1.3 6.9
1	39 40	14	2.9	3.0	3.5	5.6 2.9	5.0 0.8	13	2.6	3.7	4.1	7.6 3.4	0.9
1	41	14	1.6	2.9	3.2	2.6	0.9	22	3.2	3.8	5.6	4.1	1.5
ĺ	42	20	2.6	3.5	3.8	3.2	1.1	23	3.5	4.1	4.9	4.4	1.4
ĺ	43	25	2.9	3.5	4.2	3.7	1.5	17	3.6	4.0	4.2	3.6	1.0
1	44 45	14 9	2.3	3.8	4.4 3.6	3.6 2.9	1.3 0.8	10	3.9 1.9	4.3 3.7	7.2 4.7	11.6 5.6	19.8 6.2
ĺ	46	16	3.4	3.7	3.9	3.6	0.4	10	2.2	2.6	4.4	3.2	1.2
ĺ	47	13	3.0	3.4	3.8	3.4	0.8	15	1.8	1.9	2.2	2.0	0.2
1	48	25	3.7	4.3	6.1	5.3	2.8	6	1.8	1.9	2.0	2.0	0.4
1	49 50	3 0	4.1	5.4	6.1	5.0	1.7	3 0	2.1	2.3	3.0	2.6	0.8
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52	0	-	-	_	-		0	-	-	-		
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	22		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ᆰ	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time (	Time	Col	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	415	3.1	3.6	4.2	4.0	2.0	407	4.2	4.7	5.4	5.1	2.1
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	4	3.0	3.2	3.4	3.2	0.4	6	4.0	4.5	5.1	4.4	0.8
	Apr May	37 47	2.8	3.0	3.2	3.5	2.0	43 57	4.2	4.7 4.6	5.4 5.4	5.3 5.0	2.3 1.8
튀	Jun	38	2.9	3.1	3.3	3.2	0.5	41	3.9	4.6	5.5	5.1	2.4
Month	Jul	45	3.1	3.4	3.9	3.6	1.0	43	4.2	4.7	5.1	4.8	1.0
	Aug	42	3.5	4.2	4.6	4.5	2.2	43	4.4	4.8	5.2	5.1	1.7
	Sep	52	3.3	3.8	4.5	4.1	1.3	51	4.3	4.6	5.4	5.5	2.9
	Oct	81	3.4	3.9	4.3	4.5	3.0	77	4.5	4.9	5.8	5.4	2.1
	Nov	66	3.6	3.9	4.4	4.1	1.1	45 1	3.8	4.3	5.1	4.6	1.3
	Dec 1	3 0	4.6	5.2	7.1	6.1	2.1	0	3.5	3.5	3.5	3.5	0.0
	2	0	-	-	-	-	-	0	-	-	-	-	
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-		<del>-</del>	<del>-</del>	0	-		-	-	<u> </u>
	10	0	-	-	-		-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	ı	-		-	-	0	1	-	-	-	
	13	3	3.2	3.3	3.5	3.4	0.2	4	4.5	5.0	5.3	4.8	0.6
	14	6	2.7	2.8	2.8	2.9	0.3	12	4.2	5.2	5.5	5.0	1.2
	15	9	2.7	2.8	3.2	3.0	0.4	18	4.2	4.4	5.1	5.5	3.3
	16 17	6 9	2.7	3.0	3.4	3.8	2.0	14 1	4.4 6.7	4.7 6.7	5.3	4.9 6.7	0.8
	18	10	3.1	2.9 3.1	3.3	3.3 4.1	3.2	6	4.6	4.8	6.7 5.0	6.0	0.0 3.1
	19	10	2.8	2.9	3.0	3.0	0.5	15	4.3	5.0	5.5	4.8	0.9
	20	12	2.9	3.2	3.5	3.8	2.0	15	4.0	4.4	4.7	4.4	0.7
	21	15	2.8	3.0	3.5	3.6	1.8	11	4.1	4.3	5.3	4.9	1.4
	22	10	2.8	3.2	3.8	4.5	3.6	10	4.3	4.6	7.3	5.7	2.4
	23	7	3.1	3.2	3.4	3.5	0.7	5	4.3	4.7	4.7	4.5	0.5
	24 25	6 7	3.1	3.3	3.4	3.3	0.3	20	5.2 3.9	6.2 4.4	7.4 5.2	6.4 4.4	1.0
	26	12	2.6	2.9	3.1	2.8	0.3	9	4.2	4.4	6.1	6.5	4.1
Week	27	14	3.0	3.1	3.3	3.2	0.3	3	3.4	3.5	5.6	4.9	2.0
≥	28	7	3.0	3.7	4.3	4.3	1.9	16	4.6	4.8	5.2	4.8	0.5
	29	15	3.0	3.3	3.4	3.3	0.4	17	4.1	4.5	5.1	4.6	0.8
	30	6	3.4	3.7	4.0	3.9	0.6	7	4.7	5.1	6.9	5.8	1.7
	31	11	3.6	3.8	4.4	4.0	0.5	9	4.0	4.8	5.1	4.9	1.1
	32	8	3.9 4.2	4.3 4.4	4.5 4.7	5.6 4.9	3.9 1.5	5 13	4.6 4.4	4.9	5.3 5.2	5.4 4.9	2.0
	34	12	2.9	3.5	3.8	3.8	1.7	8	4.4	4.6	5.2	5.6	2.9
	35	9	4.1	4.2	4.6	4.2	0.9	11	4.5	4.7	5.2	4.8	0.7
	36	13	3.4	3.8	4.7	3.9	0.8	10	4.0	4.4	5.1	4.8	1.2
	37	11	3.4	3.8	4.0	3.8	0.5	11	4.2	4.5	5.0	4.6	0.5
	38	14	3.4	4.3	4.9	4.5	1.7	14	4.5	4.8	6.0	6.9	4.9
	39	10	3.5	3.8	3.9	3.7	0.6	10	4.3	4.8	5.3	5.1	1.3
	40	15 13	3.7	4.2 3.5	4.4	4.3 6.1	1.4 6.3	13 21	4.2	4.9 5.0	6.2 6.1	5.4 5.4	1.7
	42	21	3.6	3.9	4.2	3.9	1.1	24	4.6	4.9	5.6	5.4	1.0
	43	24	3.4	4.0	4.3	3.9	0.9	16	4.7	5.4	5.9	6.2	3.7
	44	17	3.4	3.8	4.3	4.8	2.8	13	4.7	5.3	5.8	5.5	1.1
	45	13	3.0	3.8	4.2	3.7	0.7	15	3.8	4.7	6.0	5.0	1.5
	46	15	3.8	4.0	4.4	4.0	0.4	10	3.7	4.3	4.8	4.2	0.7
	47	10	3.6	3.8	4.0	3.8	0.6	9	3.9	4.1	4.3	4.1	0.5
	48	23	3.6	4.0	4.6	4.4	1.6	7	3.6	3.8	4.0	3.8	0.2
	49 50	3 0	4.6	5.2	7.1	6.1	2.1	0	3.5	3.5	3.5	3.5	0.0
	51	0	-	-	-	-	-	0	-	-	-	-	
	52	0	-	-		-	-	0	-	-	-	-	
	53	0						0	-		-	-	

L	23		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ır)
l O	e Pd.	nt		ercenti		,		ı		ercentil		<u> </u>	
Time I	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	444	3.0	3.6	4.3	4.3	4.7	438	3.2	3.8	4.6	4.1	2.1
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	3	1.8	1.9	2.2	2.0	0.4	7	3.6	3.8	4.7	4.2	1.4
	Apr	39	1.8	3.2	3.5	3.5	3.2	41	3.4	3.8	4.6	4.0	1.0
£	May	49	2.6	3.4	3.8	3.5	1.7	58	3.2	3.8	4.3	3.9	1.2
Month	Jun Jul	46 45	2.9 3.2	3.2	3.5 4.2	3.1	0.7	49	3.3	3.8	4.6 4.2	4.6 3.9	3.7 1.1
2	Aug	52	3.4	4.1	4.9	6.3	9.4	53	3.6	4.2	4.9	4.7	3.2
	Sep	58	3.1	3.7	4.0	4.2	2.6	58	3.3	4.0	4.4	4.0	1.1
	Oct	79	3.3	3.8	4.5	5.1	6.7	76	3.5	4.2	5.2	4.5	1.7
	Nov	70	3.8	4.2	4.7	4.3	1.8	52	2.1	3.1	4.1	3.2	1.1
	Dec	3	5.1	5.5	9.3	7.8	3.8	1	2.5	2.5	2.5	2.5	0.0
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0			-	-	-
1	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	9 10	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	3	1.8	1.9	2.2	2.0	0.4	4	3.3	4.6	5.9	4.6	1.7
	14	6	1.5	1.7	1.8	1.9	0.6	13	3.5	3.8	4.3	4.0	0.7
	15	9	1.5	2.0	2.6	2.4	1.2	17	3.6	3.8	4.3	4.0	0.9
	16 17	6 9	3.2	3.2	3.3	2.8 5.9	0.7 5.6	13	3.3 4.7	3.8 4.7	4.6 4.7	4.1 4.7	0.0
	18	10	3.0	3.5	4.0	3.4	0.8	6	3.0	3.5	3.9	3.6	1.1
	19	13	2.3	3.2	3.5	3.0	0.6	16	3.5	4.3	4.6	4.1	1.2
	20	12	3.3	3.5	3.7	3.4	0.7	15	3.3	3.6	4.0	3.7	0.9
	21	15	2.7	3.8	4.3	3.6	1.0	11	2.9	3.5	4.3	3.5	0.9
	22	10	2.9	3.3	3.6	4.3	3.1	13	3.6	4.3	4.8	4.4	1.6
	23 24	9 8	3.1 2.8	3.3 3.5	3.4	3.0	0.6	7	3.0	3.0	3.9 4.0	3.9 5.6	1.5 5.0
	25	10	2.9	3.2	3.4	3.1	0.5	21	3.4	3.8	4.3	4.8	4.5
~	26	13	3.1	3.3	3.5	3.2	0.7	12	3.6	4.0	4.9	4.3	1.1
Week	27	14	2.9	3.4	4.0	3.4	0.7	2	2.4	3.0	3.5	3.0	1.0
>	28	7	2.8	3.0	3.3	3.2	0.6	16	3.5	3.6	3.8	3.6	0.5
ĺ	29	15	3.3	3.7	3.8	3.8	1.0	17	3.1	3.9	4.8	4.2	1.4
1	30	6 12	3.4	3.8 4.1	3.8 4.7	3.7 4.1	0.4 1.0	8 9	2.1 3.7	4.1 4.1	4.4	3.6	0.9
ĺ	32	11	3.6	4.4	5.2	8.0	11.2	9	2.5	3.8	4.7	4.0	1.7
1	33	10	3.7	4.0	4.1	3.8	0.7	13	3.2	4.0	4.3	4.0	1.1
ĺ	34	17	2.8	3.7	5.8	7.7	13.1	12	4.0	4.5	5.0	6.3	5.8
1	35	9	4.0	4.2	4.7	5.4	3.4	12	3.8	4.1	5.0	4.8	1.8
ĺ	36	13	3.1	3.8	4.1	4.1	1.8	10	3.5	4.1	4.6	4.3	1.3
1	37	12 18	3.2 2.9	3.5 3.6	4.0 3.9	3.6 3.7	0.7 1.7	15 15	3.2 2.8	4.0 3.0	4.2 4.3	4.1 3.7	1.2
ĺ	38 39	11	3.0	3.6	4.5	4.5	3.4	12	3.7	3.9 4.0	4.3	4.0	1.0 0.9
1	40	15	3.4	3.8	4.1	5.0	3.9	14	3.7	4.2	5.4	4.7	2.1
ĺ	41	10	3.4	3.8	4.1	4.3	2.4	18	3.3	3.8	5.2	4.3	1.4
1	42	21	3.3	3.8	4.6	4.4	2.8	24	3.5	3.9	5.0	4.4	1.8
ĺ	43	25	3.4	3.9	4.2	4.6	3.2	16	4.1	4.5	6.0	4.9	1.7
1	44 45	17 14	3.2	4.1 4.1	4.8 4.5	7.4 4.7	13.0 3.3	15 18	3.4 2.8	4.2 3.6	4.5 4.5	4.0 3.6	1.0
ĺ	46	15	4.1	4.1	4.5	4.7	0.9	10	2.8	3.6	4.5	3.5	1.0
ĺ	47	8	3.4	4.0	4.3	3.7	1.1	9	1.9	2.0	2.2	2.1	0.4
ĺ	48	28	3.5	4.2	5.0	4.3	1.3	10	1.9	2.2	2.9	2.5	0.8
1	49	3	5.1	5.5	9.3	7.8	3.8	1	2.5	2.5	2.5	2.5	0.0
1	50	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52 53	0	-	-	-	-	-	0	-	-	-	-	-
_	55	v				1			I	I			

L	24		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
e U	e Pd.	T T	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	425	2.2	2.7	3.4	3.6	3.1	406	3.2	3.6	5.2	4.7	2.9
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	- 7.0		-
	Mar Apr	3 41	2.0 1.9	2.2	2.5	2.3	0.4	8 41	3.0	6.5 3.5	7.6 4.5	5.7 4.8	2.6
	May	44	2.0	2.2	2.8	2.9	1.9	46	3.3	4.2	6.6	5.5	2.9
Month	Jun	33	1.9	2.3	2.8	3.6	3.9	33	3.5	4.0	8.4	5.7	3.1
Š	Jul	48	2.2	2.4	2.9	2.8	1.3	44	3.1	3.5	5.4	4.9	3.1
	Aug Sep	45 64	2.7	3.0 2.8	3.8	3.7	2.0 4.1	49 66	3.2 2.8	3.5 3.5	4.0 4.6	4.5 3.9	3.4 1.9
	Oct	77	2.6	3.1	3.9	4.1	3.1	71	3.3	3.8	5.4	4.9	2.9
	Nov	67	2.6	2.9	3.7	4.1	3.4	47	2.7	3.2	3.9	3.9	2.4
	Dec	3	2.8	3.0	14.5	10.5	10.9	1	3.7	3.7	3.7	3.7	0.0
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	7	2.0 1.8	2.2 1.9	2.5	2.3	0.4	13	6.1 3.2	7.4 3.4	7.6 4.0	6.7 4.1	2.3 1.5
	15	9	1.9	2.2	2.7	2.6	1.2	19	3.1	3.8	7.4	5.5	3.5
	16	5	1.7	1.8	2.4	2.5	1.2	10	3.3	3.5	3.9	4.3	2.3
	17	11	1.9	2.1	2.3	2.2	0.5	1	3.5	3.5	3.5	3.5	0.0
	18	10	2.1	2.5	3.2	2.7	0.7	5	3.3	4.2	9.6	6.3	3.6
	19 20	13 11	1.9 2.0	2.3	2.5 3.3	3.3 2.9	2.6 1.4	14 8	3.2	3.9	6.3 4.4	5.1 3.7	2.6 0.9
	21	13	2.1	2.3	2.8	2.9	1.7	12	3.9	6.5	9.5	7.0	3.6
	22	7	2.0	2.2	2.6	2.3	0.4	10	3.8	4.6	7.3	5.7	2.2
	23	6	1.9	2.0	2.1	2.1	0.2	1	3.4	3.4	3.4	3.4	0.0
	24 25	7	2.5	2.7	8.1	7.0 3.1	7.1 1.0	5	3.6	3.7 4.0	4.0 7.2	3.8 5.2	0.2 2.4
	26	10	1.9	2.8	3.5 2.6	2.8	1.5	16 7	3.5	6.1	11.7	7.7	4.4
Week	27	12	2.0	2.2	2.3	2.2	0.3	1	4.3	4.3	4.3	4.3	0.0
>	28	7	2.3	2.3	2.4	2.6	8.0	16	3.0	3.7	7.6	5.4	3.2
	29	16	2.3	2.4	3.0	2.9	1.3	17	3.1	3.5	4.7	5.1	3.8
	30	7 13	2.5	2.6	3.0	3.0	1.0 2.1	10 9	3.5 2.9	3.8	3.9 4.0	4.0 4.1	0.8 1.6
	32	7	2.6	3.0	3.0	3.0	0.6	8	3.3	4.2	4.8	4.1	1.1
	33	11	2.9	3.1	3.2	3.4	1.6	12	3.0	3.5	4.6	6.2	6.2
	34	13	2.3	3.1	3.8	3.9	2.7	10	3.5	3.6	3.9	4.1	1.6
	35 36	9	2.8	3.2 2.6	4.3 3.6	3.9	1.5 2.1	11 15	3.2 2.5	3.2 2.9	3.5 3.7	3.3	0.5 1.2
	37	14	2.4	2.7	3.7	4.8	6.5	15	2.7	3.5	3.8	4.2	2.5
	38	18	2.4	2.7	3.1	2.8	0.9	16	3.1	3.5	4.7	3.8	1.4
	39	14	2.4	3.1	6.4	5.2	4.9	15	3.4	3.7	5.7	4.4	1.7
	40	15	2.8	3.2	4.7	3.9	2.0	12	3.0	3.5	4.3	3.9	1.6
	41	10 22	2.6	3.5 2.9	5.4 4.5	4.9 4.5	3.9 4.3	16 24	3.3	3.6 4.4	4.0 7.0	4.9 5.9	3.5
	43	22	2.5	3.0	3.4	3.3	1.3	15	3.3	3.6	4.6	4.1	1.3
	44	18	2.5	2.9	5.6	4.0	2.1	14	3.9	4.5	4.9	4.7	1.6
	45	13	2.7	3.1	4.2	4.2	2.9	15	2.8	3.2	4.5	4.9	3.7
	46	15	2.7	3.1	3.7	3.7	2.2	12	3.2	3.4	3.9	3.9	1.3
	47 48	7 26	2.8	2.9	5.6 3.5	4.5 4.3	2.6 4.5	9	2.4	2.8	2.8 2.8	2.7 2.8	0.3
	49	3	2.8	3.0	14.5	10.5	10.9	1	3.7	3.7	3.7	3.7	0.0
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	აა	U	-	-	-	-		U	-	-			-

L	25		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
ļ.	e Pd.	nt		ercenti				nt		ercentil			
Time I	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	398	2.7	3.3	3.8	4.0	4.7	399	2.9	3.8	4.5	4.1	2.5
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	6	1.7	1.8	1.9	1.8	0.3	13	2.7	3.6	3.8	3.3	0.7
	Apr	43	1.9	2.9	3.4	3.2	2.1	42	3.6	3.8	4.3	5.0	3.9
£	May	16	2.8	3.9	4.4	6.4	10.6	24	3.4	4.0	4.7	4.2	1.3
Month	Jun Jul	16 43	3.2 2.8	3.3 3.1	16.4 3.5	10.2 3.5	12.0 2.2	19 45	3.0	3.9	4.4	3.7 4.4	1.0 3.9
2	Aug	49	2.9	3.4	3.9	3.5	1.3	53	3.5	4.2	4.8	4.5	2.2
	Sep	75	2.4	3.1	3.5	2.9	1.1	74	2.2	3.8	4.7	3.9	2.7
	Oct	76	2.8	3.4	4.1	4.4	6.2	73	3.5	4.0	4.8	4.2	1.7
	Nov	68	3.3	3.8	4.2	4.2	2.7	53	2.0	2.5	4.1	3.1	1.3
	Dec	6	3.5	4.0	4.5	3.9	1.1	3	1.9	2.1	2.6	2.3	0.6
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	1	2.1	2.1	2.1	2.1	0.0
	12	1	1.8	1.8	1.8	1.8	0.0	1	3.8	3.8	3.8	3.8	0.0
	13	5	1.7	1.9	1.9	1.9	0.3	8	3.2	3.7	3.8	3.4	0.6
	14	6	1.5	1.5	1.6	1.7	0.5	13	3.5	3.8	4.3	3.9	0.9
	15	10	1.5	1.8	2.6	2.1	0.6	21	3.5	3.8	4.1	5.1	3.9
	16 17	6 11	3.1 2.9	3.5 3.1	3.8 4.1	3.3 4.2	0.7 2.7	9	3.6	4.2 3.6	4.6 3.6	6.1 3.6	5.6 0.0
	18	11	2.8	3.2	3.8	3.9	2.7	3	3.3	3.4	3.7	3.6	0.0
	19	6	2.4	3.5	4.2	3.7	1.8	8	3.3	3.8	4.3	4.0	1.4
	20	2	3.6	3.7	3.8	3.7	0.1	5	3.8	4.2	5.4	4.6	0.9
	21	4	3.3	3.7	14.7	14.3	18.9	6	3.0	3.6	4.2	3.8	1.4
	22	3	4.4	4.7	5.0	4.8	0.5	4	4.0	4.8	5.9	5.1	1.1
	23	0	- 22	- 22	3.4	6.7	- 60	1	3.8	3.8 2.3	3.8	3.8 2.8	0.0
	25	5 4	3.3	3.3 9.6	16.4	6.7 10.0	6.8 6.9	8	2.3 3.3	4.2	4.4	3.7	0.8
Ļ	26	6	3.2	3.3	26.5	14.4	16.6	5	3.8	3.9	4.6	4.0	1.3
Week	27	7	2.8	2.8	3.2	2.9	0.6	1	4.4	4.4	4.4	4.4	0.0
>	28	8	2.2	2.9	3.1	2.8	0.9	17	3.1	3.6	3.8	3.7	1.1
	29	16	2.8	3.4	3.5	3.1	0.5	17	3.3	3.9	4.5	4.0	0.9
	30 31	5 13	3.2 2.6	3.5	3.5 4.3	3.5 4.6	0.5 3.7	11 8	3.5	4.0	4.4	6.0 4.8	7.4 2.8
	31	13	3.0	3.2	3.8	3.9	1.7	10	3.8 2.7	4.0	4.8	3.8	1.3
	33	11	2.8	3.3	3.6	3.2	0.7	14	3.6	4.0	4.8	4.7	2.4
	34	14	2.6	3.3	4.2	3.5	1.5	10	2.8	4.0	5.9	4.7	2.6
	35	8	3.2	3.5	4.0	3.4	8.0	11	3.8	4.3	5.1	4.4	1.3
	36	16	2.1	3.3	3.8	3.1	1.2	17	1.9	3.6	4.0	3.5	1.9
	37	16	2.2	2.9	3.4	2.7	0.8	17	2.3	3.8	4.1	3.6	1.3
	38 39	19 18	3.0 2.6	3.2 2.9	3.4	3.2 2.9	1.2 0.9	16 18	2.6	3.8	4.8 4.8	3.9 4.7	1.7 4.5
	40	16	2.9	3.5	3.8	3.5	1.4	13	2.7	3.8	4.4	3.7	1.3
	41	11	3.0	4.2	5.7	8.9	15.0	17	3.5	3.8	4.6	3.8	1.0
	42	21	2.7	3.4	3.9	3.8	2.1	24	3.9	4.8	5.1	4.8	2.0
	43	23	2.9	3.3	3.8	3.5	1.1	15	3.7	4.0	4.1	4.3	2.1
	44	18	2.7	3.5	3.8	3.4	1.1	14	3.5	4.0	4.2	3.8	0.9
	45 46	12 14	3.0	3.3	3.6 4.1	3.3	0.5	17	2.1	3.1 2.5	4.3 4.6	3.3	1.4 1.5
	47	7	2.9	3.2	3.5	3.1	0.9	12	2.2	2.3	2.7	2.4	0.5
	48	28	3.6	4.0	4.5	5.2	3.9	6	1.8	1.9	2.1	2.0	0.4
	49	6	3.5	4.0	4.5	3.9	1.1	3	1.9	2.1	2.6	2.3	0.6
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	55	U	-		-								

Fig.   Fig.	L	26		Dov	vnstrea	ım Dire	ction			ı	Jostrear	n Direct	ion	
Part	-							ur)			•			ır)
Y   2013   388   38   4.3   5.1   5.1   5.1   3.7   4.00   4.8   5.5   5.4   6.0   2.8	e Ur	e Pc	ıı						ınt					
Y   2013   388   38   4.3   5.1   5.1   5.1   3.7   4.00   4.8   5.5   5.4   6.0   2.8	Τiπ	Ţ.	Cou				Ava.		Cou				Ava.	Dev.
Feb   0														2.5
May   10   3.5   3.7   4.2   4.7   2.9   24   5.0   5.6   6.3   5.7   1.9		Jan	0	-	-	-	-	-	0	-	-	-	-	-
May   10   3.5   3.7   4.2   4.7   2.9   2.4   5.0   5.7   6.3   5.7   1.9						-		-						-
May   10														1.0
No.   12		_												1.0
Note   10   10   10   10   10   10   10   1	nth	_												2.4
Sep   75   38   43   49   49   39   72   45   55   6.4   6.5   2.	Mo	Jul	41		3.9	4.4	4.4	1.4	46	4.7	5.1	6.0	5.5	1.5
Oct   74														4.3
Nov   66		_												
Dec   6		_												2.1
2		Dec	6	4.4	4.7	8.7	11.5	13.6	3	4.6	5.0	10.0	8.1	4.9
3				-	-	-	-	-		-	-	-	-	-
4						-							-	-
S						-							-	-
T				_					-					
R		6	0	-	-	-	-	-	0	-	-	-	-	-
9 0 0 0 1				-	-	-	-		_					-
10				-	-	-	-	-			-	-	-	-
11				-	-	-	-	-			-	-	-	-
13				-	-	-	-	-		5.2	5.2	5.2	5.2	0.0
14		12	1	3.5	3.5	3.5	3.5	0.0	3	4.8	4.8	5.1	5.0	0.3
15														1.3
16														0.9
17		-							_					0.9
19   3   3.2   3.5   8.4   6.6   4.7   11   4.8   5.3   6.1   5.6   1.														0.0
10		18	11	3.4	3.7	4.1	4.7	3.0	3	4.8	5.3	6.8	6.0	1.8
21									-					1.2
1														0.4 1.1
Name														1.3
No.   190   190   22.2   19.0   6.4   9   5.5   5.9   6.3   6.1   0.0														0.0
26 6 4.2 5.3 8.6 6.7 3.6 6 5.3 5.7 6.5 7.3 4.  27 5 3.8 3.9 3.9 4.4 1.1 0														0.6
NA         27         5         3.8         3.9         3.9         4.4         1.1         0         -         <									-					0.8
28         9         3.7         3.8         4.7         4.8         1.6         18         4.8         5.0         6.1         5.7         2.           29         16         3.6         3.8         4.2         3.8         0.6         17         4.8         5.1         5.6         5.2         0.           30         6         4.0         4.3         4.6         4.9         1.7         11         4.6         5.5         6.5         5.7         1.           31         11         4.1         4.4         5.0         4.8         1.2         8         5.5         5.8         6.1         5.8         0.           32         15         4.2         4.7         5.3         6.9         6.7         14         5.2         6.2         7.4         7.7         6.           33         12         4.4         4.9         5.4         4.9         0.9         12         5.2         5.7         6.3         6.9         4.           34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35	эek													4.2
30         6         4.0         4.3         4.6         4.9         1.7         11         4.6         5.5         6.5         5.7         1.           31         11         4.1         4.4         5.0         4.8         1.2         8         5.5         5.8         6.1         5.8         0.           32         15         4.2         4.7         5.3         6.9         6.7         14         5.2         6.2         7.4         7.7         6.           33         12         4.4         4.9         5.4         4.9         0.9         12         5.2         5.7         6.3         6.9         4.           34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35         8         4.8         5.1         5.3         5.1         0.5         11         5.3         5.8         6.2         5.8         1.           36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37	Š								-					2.1
31         11         4.1         4.4         5.0         4.8         1.2         8         5.5         5.8         6.1         5.8         0.           32         15         4.2         4.7         5.3         6.9         6.7         14         5.2         6.2         7.4         7.7         6.           33         12         4.4         4.9         5.4         4.9         0.9         12         5.2         5.7         6.3         6.9         4.           34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35         8         4.8         5.1         5.3         5.1         0.5         11         5.3         5.8         6.2         5.8         1.           36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38		29	16	3.6	3.8	4.2	3.8	0.6	17	4.8	5.1	5.6	5.2	0.5
32         15         4.2         4.7         5.3         6.9         6.7         14         5.2         6.2         7.4         7.7         6.3           33         12         4.4         4.9         5.4         4.9         0.9         12         5.2         5.7         6.3         6.9         4.           34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35         8         4.8         5.1         5.3         5.1         0.5         11         5.3         5.8         6.2         5.8         1.           36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39														1.3
33         12         4.4         4.9         5.4         4.9         0.9         12         5.2         5.7         6.3         6.9         4.           34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35         8         4.8         5.1         5.3         5.1         0.5         11         5.3         5.8         6.2         5.8         1.           36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40														0.6 6.2
34         15         4.0         4.4         5.1         4.7         1.5         10         5.1         5.6         6.4         7.0         4.           35         8         4.8         5.1         5.3         5.1         0.5         11         5.3         5.8         6.2         5.8         1.           36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41		_												4.7
36         16         3.6         4.1         5.0         5.5         6.1         18         4.6         5.5         5.9         5.7         2.           37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41         11         4.1         4.7         5.2         4.8         1.4         19         5.1         6.0         6.6         6.3         2.2           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44 <td></td> <td>4.2</td>														4.2
37         16         4.0         4.2         4.9         5.0         3.8         19         4.6         5.7         6.2         5.4         1.           38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41         11         4.1         4.7         5.2         4.8         1.4         19         5.1         6.0         6.6         6.3         2.           42         21         3.8         4.2         4.7         4.3         1.3         23         5.0         5.7         6.8         6.2         2.           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44														1.1
38         19         3.6         4.3         4.8         4.4         1.9         13         4.7         6.0         6.8         5.8         2.           39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41         11         4.1         4.7         5.2         4.8         1.4         19         5.1         6.0         6.6         6.3         2.           42         21         3.8         4.2         4.7         4.3         1.3         23         5.0         5.7         6.8         6.2         2.           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45														2.6
39         18         3.2         4.3         4.9         4.2         1.3         18         4.3         5.3         6.3         5.2         1.           40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41         11         4.1         4.7         5.2         4.8         1.4         19         5.1         6.0         6.6         6.3         2.           42         21         3.8         4.2         4.7         4.3         1.3         23         5.0         5.7         6.8         6.2         2.           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46														1.5 2.2
40         16         4.5         4.9         7.0         6.2         3.9         11         4.1         4.6         6.7         5.4         1.           41         11         4.1         4.7         5.2         4.8         1.4         19         5.1         6.0         6.6         6.3         2.           42         21         3.8         4.2         4.7         4.3         1.3         23         5.0         5.7         6.8         6.2         2.           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46         15         4.6         5.0         5.4         5.4         1.9         14         4.6         5.1         5.5         5.3         1.           47														1.4
42         21         3.8         4.2         4.7         4.3         1.3         23         5.0         5.7         6.8         6.2         2.           43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46         15         4.6         5.0         5.4         5.4         1.9         14         4.6         5.1         5.5         5.3         1.           47         6         4.0         4.2         4.6         4.5         1.0         11         4.1         4.8         5.0         4.6         0.           48         26         4.0         4.5         5.1         4.5         0.7         5         4.4         4.4         4.6         4.3         0.           49														1.9
43         23         4.6         4.9         6.0         5.9         2.5         15         5.4         6.1         9.0         7.8         3.           44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46         15         4.6         5.0         5.4         5.4         1.9         14         4.6         5.1         5.5         5.3         1.           47         6         4.0         4.2         4.6         4.5         1.0         11         4.1         4.8         5.0         4.6         0.           48         26         4.0         4.5         5.1         4.5         0.7         5         4.4         4.4         4.6         4.3         0.           49         6         4.4         4.7         8.7         11.5         13.6         3         4.6         5.0         10.0         8.1         4.           50														2.0
44         16         4.0         4.4         6.0         5.3         2.2         15         5.9         6.7         7.3         6.8         1.           45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46         15         4.6         5.0         5.4         5.4         1.9         14         4.6         5.1         5.5         5.3         1.           47         6         4.0         4.2         4.6         4.5         1.0         11         4.1         4.8         5.0         4.6         0.           48         26         4.0         4.5         5.1         4.5         0.7         5         4.4         4.4         4.6         4.3         0.           49         6         4.4         4.7         8.7         11.5         13.6         3         4.6         5.0         10.0         8.1         4.           50         0         -         -         -         -         -         -         -         -         -         -         -         -         -         -														2.3
45         12         4.1         4.8         5.5         6.1         3.8         15         4.3         5.0         6.1         6.2         3.           46         15         4.6         5.0         5.4         5.4         1.9         14         4.6         5.1         5.5         5.3         1.           47         6         4.0         4.2         4.6         4.5         1.0         11         4.1         4.8         5.0         4.6         0.           48         26         4.0         4.5         5.1         4.5         0.7         5         4.4         4.4         4.6         4.3         0.           49         6         4.4         4.7         8.7         11.5         13.6         3         4.6         5.0         10.0         8.1         4.           50         0         -														3.8 1.4
46     15     4.6     5.0     5.4     5.4     1.9     14     4.6     5.1     5.5     5.3     1.       47     6     4.0     4.2     4.6     4.5     1.0     11     4.1     4.8     5.0     4.6     0.       48     26     4.0     4.5     5.1     4.5     0.7     5     4.4     4.4     4.6     4.3     0.       49     6     4.4     4.7     8.7     11.5     13.6     3     4.6     5.0     10.0     8.1     4.       50     0     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     0     -     -     -     -       52     0     -     -     -     -     0     -     -     -     -														3.2
48     26     4.0     4.5     5.1     4.5     0.7     5     4.4     4.4     4.6     4.3     0.       49     6     4.4     4.7     8.7     11.5     13.6     3     4.6     5.0     10.0     8.1     4.       50     0     -     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     0     -     -     -     -     -       52     0     -     -     -     -     0     -     -     -     -														1.2
49     6     4.4     4.7     8.7     11.5     13.6     3     4.6     5.0     10.0     8.1     4.       50     0     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -														0.5
50     0     - </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td>		_							_					0.5
51     0     - </td <td></td> <td>-</td> <td></td> <td>4.9</td>		-												4.9
52 0 0														-
53 0 0													-	
		53	0	-	-	-	-	-	0	-	-	-	-	-

L	27		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (ho	ır)
Je L	ле Р	Count	Р	ercenti	le	1	Std.	Count	P	ercentil	е		Std.
Time	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	466	3.1	3.8	4.9	5.0	6.2	473	3.0	4.0	4.8	4.4	2.6
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	- 4.0	-	-
	Mar	6 42	1.8 2.3	2.0 3.3	3.9	5.9 4.2	9.0 4.2	14 43	2.8 3.9	3.6 4.4	4.2 5.8	4.4 5.4	3.2
	Apr May	52	3.1	3.5	4.4	4.1	2.2	62	3.4	3.7	4.2	3.8	0.8
퉏	Jun	41	3.2	3.4	4.5	3.9	1.6	45	3.3	3.9	4.4	4.3	2.4
Month	Jul	46	3.0	3.8	4.2	4.1	2.3	47	3.5	3.9	4.5	4.2	1.5
	Aug	54	3.3	4.0	5.0	7.5	12.4	56	3.8	4.3	5.5	5.3	3.6
	Sep	70	3.1	3.9	4.9	4.7	4.9	72	2.3	4.1	5.5	4.4	2.8
	Oct	77	3.3	4.1	5.3	5.5	7.5 4.0	78	3.4	4.3 2.7	5.7	5.0	2.7
	Nov Dec	70 8	3.6 2.9	4.3 4.4	5.3 4.9	5.2 4.2	1.5	52 4	2.2	2.7	3.6 3.3	3.0	1.1
	1	0	-	-	-	-	-	0	-	-	-	-	- 1
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6 7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	2	5.8	8.9	12.0	8.9	6.2
	12	1	2.3	2.3	2.3	2.3	0.0	3	2.9	2.9	5.0	4.3	2.0
	13	5	1.7	2.0	2.0	6.7	9.7	7	2.6	3.3	4.0	3.3	0.8
	14	6	2.5	3.5	8.4	7.7	8.3	13	4.0	4.5	7.3	5.6	2.1
	15 16	10 5	1.5 2.3	1.8 2.3	3.0 2.8	2.3	1.0	21 8	3.8	4.3	5.6 5.5	5.2 5.5	3.3
	17	10	3.2	3.6	3.8	3.8	1.3	1	4.0	4.0	4.0	4.0	0.0
	18	13	3.3	3.5	4.4	4.7	3.8	11	3.2	3.6	4.8	4.1	1.2
	19	14	3.0	4.2	5.3	4.2	1.8	17	3.6	3.8	4.3	4.0	0.6
	20	14	3.2	3.5	3.8	3.5	0.9	15	3.2	3.9	4.2	3.7	0.9
	21	14	3.0	3.2	3.5	3.6	1.6	11	3.2	3.7	4.1	3.8	1.1
	22	9 10	3.2	3.8	4.8 3.8	5.6 3.5	3.7 0.4	14 2	3.5	3.9	4.0	3.8	0.6
	24	7	3.1	3.4	4.2	3.8	1.1	7	2.2	3.2	3.5	2.8	1.0
	25	9	2.8	3.5	4.5	3.8	1.5	19	3.4	3.8	4.4	4.0	1.0
۷.	26	12	3.2	3.7	4.8	4.4	2.3	13	3.8	4.3	6.2	5.5	3.8
Week	27	13	3.2	3.4	3.7	3.5	8.0	0	-	-	-	-	-
	28	7	2.1	4.1	4.2	3.4	1.5	17	3.5	3.8	4.4	3.8	0.9
	29	17	3.8	3.9	4.3	4.0	1.0	17	3.8	4.2	5.4	4.5	1.3
	30 31	6 11	3.6 2.9	3.7	4.1 5.4	3.9 5.0	0.8 4.3	12 8	3.0 4.0	4.0	4.5 4.5	4.4 5.0	2.1
	32	15	3.2	3.9	4.6	4.3	1.9	16	2.8	4.0	4.5	3.7	1.1
	33	12	4.0	4.2	5.2	4.7	1.7	13	4.2	4.8	5.8	6.1	5.2
	34	13	3.3	3.8	4.3	3.8	1.4	9	3.4	3.8	4.0	3.5	1.0
	35	8	4.9	20.7	44.2	26.9	24.0	11	5.4	8.0	11.2	8.0	3.5
	36	15	1.9	3.8	4.9	4.0	2.9	19	2.9	4.1	5.8	5.3	4.1
	37 38	18 17	3.4	4.2 3.8	5.7 4.2	6.9 4.1	8.2 1.9	20 13	2.1 3.2	4.0	5.2 6.2	3.8 4.1	1.8 1.9
	39	15	3.3	3.7	4.2	4.1	2.9	16	2.8	4.1	5.2	4.1	2.1
	40	15	2.7	4.3	5.0	4.0	1.8	12	2.4	3.7	4.7	4.2	2.3
	41	13	3.5	3.6	4.2	3.9	1.5	18	3.5	4.3	5.2	5.1	3.1
	42	22	3.5	4.2	5.8	4.6	2.6	25	3.2	4.0	5.3	4.8	2.6
	43	24	3.2	4.0	5.6	5.6	5.8	16	4.1	4.6	7.4	5.7	2.7
	44	14	3.3	4.0	4.6	8.6	15.0	15	3.8	4.5	6.2	5.1	1.8
	45 46	12 16	3.9	4.6 4.2	6.0 4.7	6.0 4.4	4.1 1.7	13 14	2.4	3.0 2.9	4.6 3.3	3.4	1.2
	46	8	3.4	3.8	4.7	4.4	1.7	14	2.1	2.9	2.7	2.3	0.4
	48	28	3.8	4.7	5.5	5.7	5.3	7	2.2	2.2	2.7	2.5	0.6
	49	8	2.9	4.4	4.9	4.2	1.5	4	2.2	2.5	3.3	3.0	1.4
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	<u> </u>	-	0	-	-	-	-	-
	53	0			-			0	-		-		

Part	28		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Part			Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Y		unt	Р	ercenti	le		Std.	unt	P	ercentil	е		Std.
Name		ပိ	25th	50th	75th	Avg.		ပိ	25th	50th	75th	Avg.	Dev.
Note   10   10   10   10   10   10   10   1	3	472	2.7	3.4	5.0	5.1	4.8	440	3.7	4.3	5.3	5.0	2.8
Mar	_				-	-	-		-	-			
Name	_				-								2.2
Heavy   43													3.6 2.8
No.   37   2.4   3.3   8.5   7.0   7.2   2.9   4.1   5.1   6.3   6.0													1.9
Note   Figure   Sep   72   26   3.1   4.2   4.5   4.3   73   2.9   4.3   4.8   4.7	_												3.3
Sep   72   26   3.1   4.2   4.5   4.3   73   2.9   4.3   5.4   4.5     Oct   76   3.0   3.7   4.7   4.8   3.3   77   4.0   4.4   5.6   5.3     Dec   13   3.2   3.7   3.9   4.5   3.0   6   3.1   3.2   3.2   3.4     1	I	50	2.6					51	3.8				3.6
Nov   69   32   36   4.7   4.8   3.3   77   4.0   4.4   5.6   5.3	g	60	3.0	3.5	4.0	4.4	3.9	51	3.9	4.3	4.8	4.7	1.6
Nov   69   3.2   3.6   4.3   4.4   2.9   56   3.3   3.7   4.3   4.1													2.3
Dec	_												3.5 1.2
1	_												0.8
2					-								-
4			-	-	-	-	-		-	-	-	-	-
S		0	-	-	-	-	-	0	-	-	-	-	-
6			-	-	-	-	-		-	-	-	-	-
The color of the					-	-					1		-
8				-	-	-						-	-
9	+			-	-	-						-	-
10	t												2.2
12   3   3.5   4.0   7.0   5.7   3.1   5   3.6   3.9   4.0   4.8     13   5   3.3   3.7   4.0   3.4   0.7   7   2.9   3.8   5.7   4.3     14   6   2.3   2.4   2.5   5.9   8.1   14   4.1   4.4   4.8   4.5     15   10   2.3   2.7   4.6   4.0   2.4   2.1   3.7   4.0   4.9   5.6     16   5   2.8   5.1   6.2   5.6   3.5   9   3.9   4.3   4.5   5.0     17   7   2.4   2.6   9.7   7.4   8.0   1   4.0   4.0   4.0   4.0     18   13   2.7   3.4   10.3   7.7   8.1   9   3.7   4.7   6.4   5.3     19   11   2.4   2.7   4.5   3.6   2.0   12   4.1   4.3   5.3   5.2     20   13   2.3   5.3   10.7   7.4   6.8   6   3.9   4.7   7.1   5.5     21   11   2.3   2.6   3.5   5.5   5.3   5   4.2   4.5   4.2     22   7   2.3   2.4   5.7   5.5   5.3   5   4.2   4.5   4.6   4.4     23   10   2.5   9.5   16.1   11.1   9.2   3   4.9   4.9   5.0   4.9     24   6   2.6   4.0   5.2   4.5   2.4   5   3.4   3.9   6.1   4.5     25   10   2.7   4.4   7.1   7.1   7.5   11   4.1   5.1   7.6   6.3     26   10   2.3   2.4   5.2   4.8   4.5   8   5.0   5.7   7.8   7.2     28   8   2.6   2.7   3.5   3.3   1.3   19   3.8   4.5   5.6   4.9     30   6   2.6   3.3   5.5   5.7   5.1   19   3.9   4.6   6.8   6.4     31   11   2.8   3.6   4.5   6.4   7.1   7.1   7.5   11   4.0   4.7   5.0   5.4     32   14   3.0   3.4   4.6   3.8   1.1   15   3.8   4.4   4.7   4.4     33   14   3.4   3.8   4.0   3.6   0.5   13   4.2   4.3   4.7   4.7     34   14   2.9   3.1   3.5   3.3   1.0   9   3.6   3.9   4.6   6.8     35   10   3.3   4.0   6.1   6.3   5.5   9   3.7   4.9   5.5   5.5   6.3     39   15   2.3   3.8   5.0   5.6   4.7   15   3.7   4.6   5.5   6.3     39   15   2.3   3.6   4.5   5.6   4.7   17   4.0   4.5   5.5   6.3     40   15   3.0   3.3   4.1   3.8   1.5   12   3.6   4.2   5.1   4.4     41   15   2.8   3.8   5.0   5.6   4.7   15   3.7   4.6   5.5   6.3     42   23   3.1   3.7   4.6   5.0   3.4   16   4.1   4.4   5.5   5.6   5.1     44   23   23   3.6   4.0   3.8   1.1   15   3.8   4.4   4.7   4.4     45   3.1   3.7   4.6   5.0   3.4   16   4.1   4.4   5.5	)	1			3.3		0.0	1					0.0
13   5   3.3   3.7   4.0   3.4   0.7   7   2.9   3.8   5.7   4.3     14   6   2.3   2.4   2.5   5.9   8.1   14   4.1   4.4   4.8   4.5     15   10   2.3   2.7   4.6   4.0   2.4   21   3.7   4.0   4.9   5.6     16   5   2.8   5.1   6.2   5.6   3.5   9   3.9   4.3   4.5   5.0     17   7   2.4   2.6   9.7   7.4   8.0   1   4.0   4.0   4.0   4.0     18   13   2.7   3.4   10.3   7.7   8.1   9   3.7   4.7   6.4   5.3     19   11   2.4   2.7   4.5   3.6   2.0   12   4.1   4.3   5.3   5.2     20   13   2.3   5.3   10.7   7.4   6.8   6   3.9   4.7   7.1   5.5     21   11   2.3   2.6   3.5   5.5   7.9   4   3.9   4.2   4.5   4.2     22   7   2.3   2.4   5.7   5.5   5.3   5   4.2   4.5   4.6   4.4     23   10   2.5   9.5   16.1   11.1   9.2   3   4.9   4.9   5.0   4.9     24   6   2.6   4.0   5.2   4.5   2.4   5   3.4   3.9   6.1   4.5     25   10   2.7   4.4   7.1   7.1   7.5   11   4.1   5.1   7.6   6.3     27   12   2.6   6.6   9.6   7.9   6.7   0   -   -   -   -     28   8   2.6   2.7   3.5   3.3   1.3   19   3.8   4.5   5.6   4.9     29   21   2.7   3.1   6.7   5.7   5.1   19   3.9   4.6   6.8   6.4     30   6   2.6   3.3   5.5   6.4   1.9   11   4.0   4.7   5.0   5.4     31   11   2.8   3.6   4.5   6.4   7.1   7.1   7.5   11   4.1   5.0   7.8   7.1     32   14   3.0   3.4   4.6   3.8   1.1   15   3.8   4.4   4.7   4.7     33   14   3.4   3.8   4.0   3.6   0.5   13   4.2   4.3   4.7   4.7     34   14   2.9   3.1   3.5   3.3   1.0   9   3.6   3.9   4.6   6.8     35   10   3.3   4.0   6.1   6.3   5.5   9.3   7.4   4.9   5.5   6.3     35   10   3.3   3.4   4.6   3.8   1.1   15   3.8   4.4   4.7   4.7     36   16   2.7   3.0   3.9   4.8   5.0   19   2.9   3.8   4.6   4.4     37   17   2.6   3.1   4.0   3.9   2.7   18   3.3   4.3   5.0   4.4     41   15   2.8   3.8   5.0   5.6   4.7   15   3.7   4.6   5.5   6.3     39   15   2.3   3.2   4.5   3.6   4.5   6.4   16   2.8   4.3   5.5   6.3     42   23   3.1   3.7   4.6   5.0   3.4   16   4.1   4.4   5.5   5.6     42   3.1   3.7   4.6   5.0   3.4   16   4.1   4.4   5.5   5.		2	2.7	2.7	2.7	2.7	0.0	3	4.5	5.8	12.0	9.1	6.6
14	_												2.4
15													1.6
16	_												0.9
17													3.6 2.6
18	_												0.0
Name         20         13         2.3         5.3         10.7         7.4         6.8         6         3.9         4.7         7.1         5.5           21         11         2.3         2.6         3.5         5.5         7.9         4         3.9         4.2         4.5         4.2           22         7         2.3         2.4         5.7         5.5         5.3         5         4.2         4.5         4.6         4.4           23         10         2.5         9.5         16.1         11.1         9.2         3         4.9         4.9         5.0         4.9           24         6         2.6         4.0         5.2         4.5         2.4         5         3.4         3.9         4.9         5.0         4.9           24         6         1.0         2.7         4.4         7.1         7.1         7.5         11         4.1         5.1         7.6         6.3           26         10         2.3         2.4         5.2         4.8         4.5         8         5.0         5.7         7.8         7.2           27         12         2.6         6.6         9.6 <td>_</td> <td></td> <td>1.7</td>	_												1.7
28         21         11         2.3         2.6         3.5         5.5         7.9         4         3.9         4.2         4.5         4.2           22         7         2.3         2.4         5.7         5.5         5.3         5         4.2         4.5         4.6         4.4           23         10         2.5         9.5         16.1         11.1         9.2         3         4.9         4.9         5.0         4.9           24         6         2.6         4.0         5.2         4.5         2.4         5         3.4         3.9         6.1         4.5           25         10         2.3         2.4         5.2         4.8         4.5         8         5.0         5.7         7.8         7.2           27         12         2.6         6.6         9.6         7.9         6.7         0         -	)	11	2.4	2.7	4.5	3.6	2.0	12	4.1	4.3	5.3	5.2	2.1
22	_												2.0
Name	_												0.6
24         6         2.6         4.0         5.2         4.5         2.4         5         3.4         3.9         6.1         4.5           25         10         2.7         4.4         7.1         7.1         7.5         11         4.1         5.1         7.6         6.3           26         10         2.3         2.4         5.2         4.8         4.5         8         5.0         5.7         7.8         7.2           27         12         2.6         6.6         9.6         7.9         6.7         0         -	_												0.2
25													2.3
8         27         12         2.6         6.6         9.6         7.9         6.7         0         -         <	_												3.2
28         8         2.6         2.7         3.5         3.3         1.3         19         3.8         4.5         5.6         4.9           29         21         2.7         3.1         6.7         5.7         5.1         19         3.9         4.6         6.8         6.4           30         6         2.6         3.3         5.5         4.2         1.9         11         4.0         4.7         5.0         5.4           31         11         2.8         3.6         4.5         6.4         7.1         7         4.1         5.0         7.8         7.1           32         14         3.0         3.4         4.6         3.8         1.1         15         3.8         4.4         4.7         4.4           33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9	;	10	2.3	2.4	5.2	4.8	4.5	8	5.0	5.7	7.8	7.2	4.2
28         8         2.6         2.7         3.5         3.3         1.3         19         3.8         4.5         5.6         4.9           29         21         2.7         3.1         6.7         5.7         5.1         19         3.9         4.6         6.8         6.4           30         6         2.6         3.3         5.5         4.2         1.9         11         4.0         4.7         5.0         5.4           31         11         2.8         3.6         4.5         6.4         7.1         7         4.1         5.0         7.8         7.1           32         14         3.0         3.4         4.6         3.8         1.1         15         3.8         4.4         4.7         4.4           33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9		12	2.6	6.6	9.6	7.9	6.7	0	-	-	-	-	-
30         6         2.6         3.3         5.5         4.2         1.9         11         4.0         4.7         5.0         5.4           31         11         2.8         3.6         4.5         6.4         7.1         7         4.1         5.0         7.8         7.1           32         14         3.0         3.4         4.6         3.8         1.1         15         3.8         4.4         4.7         4.4           33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9         3.7         4.9         5.7         5.0           36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18 <td>_</td> <td></td> <td>1.7</td>	_												1.7
31         11         2.8         3.6         4.5         6.4         7.1         7         4.1         5.0         7.8         7.1           32         14         3.0         3.4         4.6         3.8         1.1         15         3.8         4.4         4.7         4.4           33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9         3.7         4.9         5.7         5.0           36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16 <td>_</td> <td></td> <td>4.6</td>	_												4.6
32         14         3.0         3.4         4.6         3.8         1.1         15         3.8         4.4         4.7         4.4           33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9         3.7         4.9         5.7         5.0           36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17 </td <td>_</td> <td></td> <td>2.4 4.3</td>	_												2.4 4.3
33         14         3.4         3.8         4.0         3.6         0.5         13         4.2         4.3         4.7         4.7           34         14         2.9         3.1         3.5         3.3         1.0         9         3.6         3.9         4.6         4.6           35         10         3.3         4.0         6.1         6.3         5.5         9         3.7         4.9         5.7         5.0           36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12 </td <td>-+-</td> <td></td> <td>1.3</td>	-+-												1.3
35         10         3.3         4.0         6.1         6.3         5.5         9         3.7         4.9         5.7         5.0           36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.6         5.0         3.4         16<	_												1.3
36         16         2.7         3.0         3.9         4.8         5.0         19         2.9         3.8         4.6         4.4           37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16	Ţ		2.9		3.5		1.0		3.6	3.9		4.6	2.3
37         17         2.6         3.1         4.0         3.9         2.7         18         3.3         4.3         5.0         4.4           38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.5         4.5         2.9         26         4.0         4.4         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16	_												1.5
38         18         2.8         3.4         4.3         5.8         6.4         16         2.8         4.3         5.5         4.5           39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.5         4.5         2.9         26         4.0         4.4         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13													2.3
39         15         2.3         3.2         4.5         3.6         1.8         17         4.0         4.5         5.8         5.2           40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.5         4.5         2.9         26         4.0         4.4         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14	_												2.0
40         15         3.0         3.3         4.1         3.8         1.5         12         3.6         4.2         5.1         4.4           41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.5         4.5         2.9         26         4.0         4.4         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14         3.8         4.3         5.0         4.6           47         7         2.8         3.0         4.5         4.4         2.6         15<													2.6
41         15         2.8         3.8         5.0         5.6         4.7         15         3.7         4.6         5.5         6.3           42         23         3.1         3.7         4.5         4.5         2.9         26         4.0         4.4         5.6         5.1           43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14         3.8         4.3         5.0         4.6           47         7         2.8         3.0         4.5         4.4         2.6         15         3.2         3.2         3.6         3.3           48         24         3.3         3.6         5.3         4.9         3.9         9 </td <td></td> <td>1.4</td>													1.4
43         24         3.1         3.7         4.6         5.0         3.4         16         4.1         4.5         5.6         4.8           44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14         3.8         4.3         5.0         4.6           47         7         2.8         3.0         4.5         4.4         2.6         15         3.2         3.2         3.6         3.3           48         24         3.3         3.6         5.3         4.9         3.9         9         3.5         3.6         3.8         3.6           49         12         3.5         3.7         4.0         4.6         3.1         6         3.1         3.2         3.2         3.4           50         1         3.0         3.0         3.0         0.0         0         -		15	2.8		5.0	5.6		15	3.7	4.6	5.5	6.3	6.9
44         12         3.2         3.6         4.0         3.8         1.4         16         4.1         4.4         5.3         5.2           45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14         3.8         4.3         5.0         4.6           47         7         2.8         3.0         4.5         4.4         2.6         15         3.2         3.2         3.6         3.3           48         24         3.3         3.6         5.3         4.9         3.9         9         3.5         3.6         3.8         3.6           49         12         3.5         3.7         4.0         4.6         3.1         6         3.1         3.2         3.2         3.4           50         1         3.0         3.0         3.0         3.0         0.0         0         -         -         -         -         -           51         0         -         -         -         -         -         -	_												2.3
45         13         3.1         3.3         3.7         3.9         2.0         13         3.7         4.2         4.3         4.4           46         18         3.2         3.8         4.8         4.3         2.3         14         3.8         4.3         5.0         4.6           47         7         2.8         3.0         4.5         4.4         2.6         15         3.2         3.2         3.6         3.3           48         24         3.3         3.6         5.3         4.9         3.9         9         3.5         3.6         3.8         3.6           49         12         3.5         3.7         4.0         4.6         3.1         6         3.1         3.2         3.2         3.4           50         1         3.0         3.0         3.0         3.0         0.0         0         -         -         -         -         -           51         0         -	_												1.1
46     18     3.2     3.8     4.8     4.3     2.3     14     3.8     4.3     5.0     4.6       47     7     2.8     3.0     4.5     4.4     2.6     15     3.2     3.2     3.6     3.3       48     24     3.3     3.6     5.3     4.9     3.9     9     3.5     3.6     3.8     3.6       49     12     3.5     3.7     4.0     4.6     3.1     6     3.1     3.2     3.2     3.4       50     1     3.0     3.0     3.0     0.0     0     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -	_												2.1 1.4
47         7         2.8         3.0         4.5         4.4         2.6         15         3.2         3.2         3.6         3.3           48         24         3.3         3.6         5.3         4.9         3.9         9         3.5         3.6         3.8         3.6           49         12         3.5         3.7         4.0         4.6         3.1         6         3.1         3.2         3.2         3.4           50         1         3.0         3.0         3.0         0.0         0         -         -         -         -         -           51         0         -	_												1.4
48     24     3.3     3.6     5.3     4.9     3.9     9     3.5     3.6     3.8     3.6       49     12     3.5     3.7     4.0     4.6     3.1     6     3.1     3.2     3.2     3.4       50     1     3.0     3.0     3.0     0.0     0     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -	_												0.4
49     12     3.5     3.7     4.0     4.6     3.1     6     3.1     3.2     3.2     3.4       50     1     3.0     3.0     3.0     0.0     0     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -	_												0.4
51     0     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -		12	3.5	3.7	4.0	4.6	3.1	6	3.1	3.2	3.2		0.8
52 0 0	_					3.0							1
	_			-		-	-			-	-	-	-
53 0 0	_		-	-	-	-	-			-	-	-	-

L	29		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
Unit	-6			vel Tim			ur)			•		ate (hou	ır)
ē	e Pd.	ınt	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	511	3.0	3.7	4.7	5.0	5.3	508	3.3	3.9	4.4	4.3	3.5
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	2	3.4	4.3	5.3	4.3	1.9
	Mar Apr	18 46	1.9 2.1	2.3 3.6	2.8 6.6	5.5 5.4	13.1 4.5	22 49	2.3 3.6	3.0	3.9 4.0	3.1 4.7	6.0
	May	54	3.0	3.8	5.5	5.2	3.8	61	3.7	4.2	4.7	4.5	1.7
Month	Jun	44	3.2	4.5	8.4	7.9	8.4	47	3.7	4.4	4.8	4.5	1.7
Š	Jul	45	3.1	3.5	6.0	5.6	4.5	54	3.6	3.9	4.2	3.9	1.1
	Aug Sep	59 69	3.0	3.9 3.5	4.4	3.8 4.7	1.4 4.9	60 69	3.4	3.9 3.9	4.3	5.1 4.1	7.4 2.1
	Oct	79	3.0	3.5	4.0	3.7	1.4	82	3.7	4.1	4.8	4.4	1.4
	Nov	84	3.3	3.9	4.7	5.1	6.0	56	2.4	2.9	3.9	3.5	2.3
	Dec	13	3.8	3.9	4.1	4.2	1.9	6	2.3	3.3	5.4	3.8	1.7
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	2.6	2.7	2.8	2.7	0.2	2	3.4	4.3	5.3	4.3	1.9
	10	1	2.0	2.0	2.0	2.0	0.0	1	2.2	2.2	2.2	2.2	0.0
	11	3	2.5	3.5	31.4	21.4	26.8	4	2.2	2.3	2.7	2.6	8.0
	12 13	5 7	1.8 1.7	2.3	2.3	2.3	0.6	5 11	2.3	2.3 3.4	4.0 3.8	3.0	0.9
	14	7	1.5	1.7	5.2	4.6	5.0	14	3.7	3.8	4.0	3.8	0.4
	15	10	1.6	2.0	2.8	2.2	0.7	20	3.4	3.7	3.8	3.6	0.7
	16	6	2.6	4.5	11.0	6.8	5.0	11	3.6	3.8	4.1	4.2	1.7
	17	10	2.9	3.4	11.6	7.4	6.1	1	3.8	3.8	3.8	3.8	0.0
	18 19	16 14	4.2 2.9	5.6 3.7	6.4 4.3	5.6 4.6	2.4 3.7	14 15	3.6	4.2 4.2	4.8 4.5	7.1 4.3	10.8
	20	15	3.2	5.8	11.5	7.4	4.9	15	3.7	4.2	6.7	5.5	2.5
	21	16	3.0	3.5	3.8	3.7	1.2	9	3.3	3.7	3.9	3.7	0.6
	22	7	2.8	3.0	5.3	5.1	3.7	13	4.0	4.3	4.6	4.5	1.1
	23	8 9	4.1 3.9	6.5 6.3	11.4 9.5	10.9 8.8	10.4 6.5	3 6	5.0 2.4	6.8 3.1	9.5 4.2	7.4 3.3	3.7 1.5
	25	11	3.1	3.3	4.9	3.9	1.8	21	3.8	4.3	4.7	4.2	0.7
ž	26	13	3.3	5.5	9.9	9.8	10.7	16	3.7	4.6	5.3	4.8	1.6
Week	27	12	3.1	4.3	10.1	7.3	5.7	0	-	-	-	-	-
	28 29	9 20	3.2	3.2 3.6	5.5 5.3	4.1 4.8	1.3 2.7	21 19	3.6	3.9 4.2	4.0 4.7	3.7 4.3	0.8 1.5
	30	4	2.8	3.0	7.9	7.7	8.3	11	2.8	3.8	4.0	3.4	0.8
	31	10	2.5	3.5	3.8	3.2	1.1	8	4.0	4.1	4.3	10.8	17.6
ĺ	32	13	3.1	3.7	4.0	3.8	1.1	14	3.3	3.9	4.3	4.6	3.0
ĺ	33	14 14	3.5 3.1	4.1 3.7	4.8 4.1	4.2 3.7	1.8 1.3	16 11	3.3 2.8	4.0 3.6	4.7 4.0	5.1 3.3	4.4 0.9
1	35	10	4.1	4.2	4.6	4.2	0.7	14	3.7	3.8	4.0	3.7	0.9
1	36	14	2.4	3.1	3.5	3.1	0.9	18	2.7	3.7	4.0	3.4	0.9
ĺ	37	19	3.1	3.5	4.5	4.7	4.0	17	3.8	4.0	4.7	4.6	2.8
ĺ	38 39	17 14	3.2	3.4 3.8	3.8 4.5	5.2 6.1	5.0 7.9	15 17	3.2	3.8 4.1	4.2 4.5	4.2 4.4	2.7 1.5
ĺ	40	13	3.1	3.3	3.6	3.2	0.5	13	3.6	3.8	4.5	4.4	1.3
1	41	15	2.8	3.5	3.6	3.5	1.2	16	3.8	4.3	5.7	4.8	1.4
ĺ	42	27	3.0	3.8	5.1	4.1	1.6	30	3.6	4.1	4.6	4.3	1.6
ĺ	43	24	3.1	3.6	4.1	3.8	1.2	16	3.6	4.1	5.2	4.3	1.2
1	44 45	14 13	2.9 3.3	3.8 3.9	4.0 5.0	3.4 4.3	1.0 1.2	14 11	3.6 2.5	4.2 3.9	4.7 4.1	4.2 3.4	1.0 0.9
ĺ	46	19	3.7	3.9	4.6	4.8	3.9	14	2.4	2.9	3.9	3.3	1.2
ĺ	47	13	2.9	3.3	3.6	8.9	13.5	16	2.1	2.4	3.3	2.7	0.7
1	48	30	3.4	4.0	4.6	4.4	2.1	10	2.6	2.8	3.1	4.6	4.8
1	49 50	12 1	3.8 4.2	3.9 4.2	4.1	4.2 4.2	2.0 0.0	6	2.3	3.3	5.4	3.8	1.7
ĺ	51	0	- 4.2	-	4.2	4.2	-	0	-	-	-	-	-
ĺ	52	0	-	-	-	-		0	-		-		
L	53	0	-	-	-	-	-	0	-	-	-	-	-
	_	_	· <u></u>	_	_	_	_	_		· <u></u>		· <u></u>	_

L	30		Dov	vnstrea	m Dire	ction				Jpstrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	∍ Pd.	nt		ercenti				Ħ		ercentil		1000	
Time I	Time	Count				A	Std.	Count					Std.
Y	2013	463	<b>25th</b> 3.4	<b>50th</b> 4.2	<b>75th</b> 6.0	<b>Avg.</b> 6.0	<b>Dev.</b> 6.0	482	<b>25th</b> 3.7	<b>50th</b> 4.6	<b>75th</b> 6.2	<b>Avg.</b> 5.6	<b>Dev.</b> 4.8
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	16	1.9	2.1	3.7	6.5	15.1	21	2.4	3.4	4.2	3.5	1.3
	Apr	46	2.0	3.7	13.3	7.5	7.1	51	3.8	4.1	4.8	5.5	4.7
ے	May	29	5.0	5.8	8.6	9.0	8.1	37	4.2	6.4	8.7	7.3	4.0
Month	Jun Jul	25 45	3.2	4.9 4.3	9.8 8.1	7.4 5.7	6.2 3.2	36 60	3.9 4.0	4.3 4.7	5.7 6.3	7.8 5.8	11.2 3.2
≥	Aug	56	3.6	4.0	5.0	5.6	7.5	59	4.0	4.7	5.7	6.2	5.2
	Sep	68	3.5	4.2	5.8	5.2	3.0	67	4.1	4.7	5.8	5.0	2.1
	Oct	80	3.7	4.7	6.9	6.5	5.5	86	4.4	5.4	6.9	6.1	3.2
	Nov	82	3.6	4.1	4.8	4.5	2.4	56	2.3	2.9	4.4	4.0	3.8
	Dec	16	3.4	3.9	4.5	3.8	1.2	9	2.3	2.5	3.2	2.6	0.7
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	_	-	-	-
1	5	0		-			-	0	-	-	-	-	
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
1	9 10	0 1	2.0	2.0	2.0	2.0	0.0	1	2.4	2.4	2.4	2.4	0.0
	11	3	3.1	4.9	34.8	23.6	29.0	4	2.1	2.4	3.0	2.7	0.7
	12	5	1.9	1.9	3.2	2.6	1.0	4	2.5	3.3	4.8	4.0	1.8
	13	7	1.7	2.3	2.9	2.7	1.4	12	2.6	3.8	4.3	3.7	1.1
	14	7	1.5	1.6	2.7	4.1	5.6	13	3.9	4.3	4.4	4.1	0.6
	15	9	1.6	1.7	2.1	2.0	0.6	21	3.8	4.1	4.8	6.1	6.5
	16 17	6 9	3.0 4.3	4.2 9.4	7.3 9.8	4.9	2.5 4.4	10	3.7	4.0	6.7	5.4	2.5
	18	17	3.4	13.9	17.1	8.3 12.4	8.3	10	3.9	3.9 4.5	3.9 5.7	3.9 5.6	0.0 4.0
	19	8	4.3	5.0	9.5	8.7	8.3	13	6.1	8.5	11.2	8.2	3.3
	20	8	5.9	6.2	9.6	10.7	9.9	7	4.9	5.7	14.2	9.7	6.2
	21	6	5.2	5.6	7.5	8.9	8.5	8	3.8	6.6	7.7	6.1	2.4
	22	6	3.7	5.4	7.3	6.1	3.0	6	4.9	5.8	6.8	6.0	1.4
	23	4	5.3	9.9	15.5	10.9 9.8	6.2 7.5	5	2.5	14.8 3.4	15.5 4.0	11.4 3.3	7.7
	25	7	2.9 3.2	4.0	17.3 10.4	8.0	7.6	6 16	4.1	4.5	5.4	9.6	0.8 15.6
Ļ	26	8	3.4	5.0	5.6	5.0	2.2	8	4.2	4.9	7.2	5.9	2.9
Week	27	6	6.9	7.9	9.3	8.3	3.3	0	-	-	-	-	-
>	28	8	5.0	8.5	11.9	8.4	3.9	22	3.7	4.8	5.9	4.9	1.5
	29	20	3.3	3.8	5.8	4.7	2.2	20	4.3	5.1	7.7	6.9	4.2
ĺ	30	9 10	3.6	3.8 4.1	3.8 4.9	4.1 9.7	1.9 16.7	13 9	3.9 4.3	4.2	6.2 4.7	5.4 5.4	2.8
1	31	10	3.4	4.1	6.6	5.0	2.0	14	4.3	5.0	8.6	7.9	6.9
ĺ	33	12	3.5	3.9	4.7	4.3	1.4	16	3.6	4.8	6.8	6.5	6.5
1	34	14	3.4	4.0	4.9	5.0	2.6	12	4.1	4.6	5.9	5.2	2.3
1	35	11	3.8	4.2	4.8	4.4	0.9	13	4.1	4.3	5.3	5.3	3.3
ĺ	36	15	2.5	4.0	5.1	4.6	3.6	15	2.8	4.2	4.7	4.0	1.3
1	37	19 16	3.3	4.2 5.4	5.7 7.4	4.8	2.1	18 15	4.7 4.2	5.5	6.4	5.3	1.7
ĺ	38 39	13	4.0	5.4 4.4	4.8	6.4 5.4	3.6 2.4	16	4.2	4.8 4.8	6.0 5.4	5.7 5.1	3.3 1.2
1	40	13	3.4	3.8	4.1	5.4	4.5	14	3.5	4.6	5.2	4.6	1.6
ĺ	41	15	3.8	4.0	5.9	5.5	3.6	20	5.2	6.6	7.4	7.7	4.7
1	42	27	3.6	5.3	8.1	6.7	4.8	28	4.2	5.3	6.5	5.5	2.4
ĺ	43	25	4.0	4.7	6.8	7.0	7.0	18	4.6	5.0	7.0	6.0	2.4
ĺ	44 45	11 12	3.6	4.4 4.0	5.3	5.1	3.3 2.0	12	3.6 4.0	4.5 5.1	6.4 8.7	5.3 7.8	2.5 7.0
1	46	19	3.8	4.0	5.1 4.7	4.8 4.2	1.2	11 16	2.6	5.1 3.0	4.8	3.7	1.6
ĺ	47	16	3.0	3.6	4.3	5.2	4.8	15	2.1	2.3	2.4	2.2	0.3
1	48	29	3.8	4.4	4.8	4.3	0.9	11	2.5	2.8	3.7	3.4	1.5
ĺ	49	13	3.7	4.2	4.6	4.0	1.2	8	2.3	2.8	3.3	2.8	0.6
1	50	3	2.9	3.8	3.9	3.2	0.9	1	1.5	1.5	1.5	1.5	0.0
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52 53	0	-	-	-	-	-	0	-	-	-	-	-
_	- 55												

L	31		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ır)
l C	e Pd.	Ħ		ercenti		,		ı		ercentil		<u> </u>	
Time I	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Ÿ	2013	509	2.5	3.2	7.1	5.5	4.7	541	3.4	4.9	7.8	6.2	4.0
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	17	2.7	4.5	10.2	6.3	4.3	21	3.9	5.0	9.2	7.5	5.4
	Apr	33	2.3	3.3	7.3	5.6	4.9	52	3.5	4.6	7.7	6.3	3.9
ቱ	May Jun	61 35	2.3	3.8 4.6	7.6 8.0	5.9 6.3	5.2 5.1	71 47	4.3 3.6	6.3 5.9	9.2 9.0	7.8 7.3	5.1 4.7
Month	Jul	64	2.3	4.0	7.4	6.2	6.0	71	3.4	4.9	7.8	6.3	4.7
-	Aug	53	2.5	3.3	7.0	5.4	4.3	62	3.2	3.9	5.8	5.0	2.7
	Sep	68	2.7	3.2	5.1	4.8	3.9	63	3.4	4.7	8.3	6.0	3.2
	Oct	83	2.5	3.1	6.5	4.5	3.0	89	3.4	5.4	7.3	5.9	3.2
	Nov	78	2.6	3.1	6.6	5.2	4.2	56	2.8	3.7	5.2	4.9	3.4
	Dec 1	17 0	2.7	3.4	13.7	7.1	6.4	9	2.8	2.8	3.5	4.3	2.8
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	<del>-</del>	-	0	-	-	-	-	-
	10	1	6.6	6.6	6.6	6.6	0.0	1	4.1	4.1	4.1	4.1	0.0
	11	2	5.3	8.5	11.7	8.5	6.3	3	4.0	4.6	5.1	4.6	0.9
	12	7	5.2	9.2	11.4	8.2	3.7	6	4.2	5.4	8.3	8.0	6.0
	13	7	2.2	2.8	3.1	3.6	2.7	11	3.7	5.1	11.5	8.3	5.6
	14 15	5 9	2.2	2.8	7.2 5.2	4.4 3.4	2.8 1.6	14 20	3.6 3.1	4.2	6.4 7.1	6.1 5.7	4.6 3.4
	16	5	2.1	2.3	4.3	3.8	2.8	12	3.9	4.8	8.3	5.9	2.8
	17	6	5.0	11.0	17.0	11.6	7.5	0	-	-	-	-	-
	18	19	2.4	3.3	7.2	4.7	2.8	17	4.9	6.6	9.3	7.7	4.1
	19	13	2.3	6.5	9.3	6.2	3.6	19	4.7	5.9	9.3	7.2	3.7
	20 21	15 16	2.4	4.8 4.0	13.2 6.6	8.1 5.7	7.0 5.3	19 11	5.1 3.3	7.1 4.8	11.5 9.0	9.5 7.1	7.0 5.4
	22	6	2.0	2.1	2.6	3.7	3.4	11	5.9	6.8	8.5	7.3	3.2
	23	1	15.4	15.4	15.4	15.4	0.0	0	-	-	-	-	-
	24	11	2.5	3.9	5.5	5.6	5.1	12	3.3	4.8	6.1	6.5	5.6
	25	13	2.9	6.1	7.2	6.7	4.7	22	3.7	6.0	8.0	6.4	3.0
Week	26	10	2.3	2.5	8.2	5.5	4.8	13	5.1	7.9	15.2	9.6	5.3
Š	27 28	7 14	2.3	10.2 4.1	15.0 7.4	10.1 7.3	7.9 7.3	29	9.4	10.0 4.8	10.6 8.2	10.0 6.7	1.2 5.1
	29	26	2.3	4.3	6.9	6.1	5.6	22	4.0	5.2	7.4	6.4	4.0
	30	12	1.9	2.3	6.8	4.2	2.8	13	3.2	3.7	6.6	5.2	2.7
	31	13	2.5	2.8	3.3	4.4	3.7	10	3.3	3.7	6.1	4.7	1.7
	32	9	2.5	2.9	5.4	5.0	4.0	14	3.6	4.6	7.7	5.7	2.9
	33	8 15	3.4 2.8	5.8 3.3	6.9 7.2	7.2 5.0	6.6 2.8	17	3.0 2.7	4.3 3.8	5.8 7.2	5.0 5.5	2.8 3.4
	35	13	2.5	3.8	7.8	5.4	3.6	13	3.6	3.8	4.3	4.0	0.7
	36	13	2.4	4.9	7.1	5.7	3.8	15	3.2	3.6	5.6	5.3	3.5
	37	20	2.7	3.3	4.7	4.3	2.9	17	3.7	5.4	9.8	6.3	3.1
	38	16	2.7	3.0	3.6	3.7	1.8	14	3.8	5.1	7.2	5.6	2.4
	39	14	3.1	3.3	7.0	6.3	6.1	13	4.7	6.3	10.6	7.5	3.2
	40	13 17	2.8	4.1 3.2	6.8	5.3 4.5	3.0 2.7	15 21	2.8 3.2	3.5 4.0	6.0 6.1	5.8 5.3	4.2 3.2
	42	23	2.5	3.1	6.2	4.5	3.2	28	3.6	5.5	7.0	5.7	2.6
	43	26	2.7	3.1	5.1	4.5	2.9	20	3.3	5.4	8.0	6.1	3.2
	44	12	2.3	2.8	3.7	3.5	1.8	11	5.0	6.2	8.0	6.6	2.1
	45	10	2.6	2.9	4.0	3.4	1.2	10	3.4	4.2	6.1	5.3	2.7
	46	17	2.6	3.1	5.8	4.2	2.5	16	3.2	4.6	7.4	5.9	3.4
	47 48	18 30	2.4	2.8 3.3	6.5 8.6	4.7 6.5	3.2 5.7	15 13	2.6	2.9 3.7	3.0 4.9	3.0 5.4	0.7 4.7
	49	13	2.8	3.4	13.7	7.1	6.1	9	2.8	2.8	3.5	4.3	2.8
	50	4	2.5	3.3	7.8	7.0	7.3	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	32		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ᆰ	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Lime	Time	Col	25th	50th	75th	Avg.	Dev.	ဝိ	25th	50th	75th	Avg.	Dev.
Υ	2013	578	2.8	3.6	4.6	4.6	4.9	566	2.9	3.8	4.8	4.4	4.1
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	2	2.1	2.5	2.9	2.5	0.8	2	3.9	4.5	5.1	4.5	1.2
	Mar	23	2.0	2.8	3.6	2.8	0.9	32	3.1	3.7	4.1	3.9	1.7
ŀ	Apr May	40 72	2.2	3.5 3.4	4.4 4.5	4.1	3.1 2.3	50 83	3.3	3.8	5.1 5.0	4.5 4.4	2.3
₽Ì	Jun	52	3.0	3.5	5.4	5.2	8.2	45	3.3	3.8	4.5	4.0	1.4
Month	Jul	73	2.7	3.6	5.6	6.0	6.7	68	3.1	4.0	5.4	4.4	1.8
٦	Aug	58	2.9	3.5	4.0	4.2	3.8	63	2.7	3.9	4.6	4.2	2.2
ſ	Sep	65	2.8	3.4	3.8	4.1	5.8	63	3.7	4.0	4.6	4.9	6.8
	Oct	88	3.1	3.7	5.0	4.6	3.2	90	3.4	4.1	5.8	5.4	7.2
ŀ	Nov	77	3.3	3.8	4.7	5.1	5.0	53	1.9	2.4	3.7	2.9	1.2
_	Dec	28	2.5	4.1	5.7	5.1	3.6	17	2.0	2.2	3.1	2.5	8.0
ŀ	2	0	-	-	-	-	-	0	-	-	-	-	-
ı	3	0	-	-	-	-	-	0	-		-	-	<del>-</del>
ı	4	0	-	-	-	-	-	0	-	-	-	-	-
ı	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	8	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	9 10	2	2.1	2.5	2.9	2.5	0.8	2	3.9	4.5	5.1	4.5	1.2
ŀ	11	3	2.4	3.1	3.8	3.1 2.7	1.3	5	3.5 4.2	3.7 4.2	3.8 8.0	3.7 5.8	0.3 3.1
ŀ	12	10	2.5	2.8	3.8	3.0	0.9	13	2.6	3.5	3.8	3.3	1.1
- 1	13	7	1.9	2.3	3.0	2.5	0.8	10	3.0	3.8	4.0	3.6	1.0
Ī	14	8	1.8	3.2	3.8	2.8	1.1	15	3.9	4.1	5.3	4.5	1.0
	15	11	1.7	2.8	3.5	2.6	1.0	20	3.1	3.4	4.7	4.2	2.3
ı	16	5	2.2	2.9	4.4	3.4	1.8	12	3.4	3.8	4.3	4.0	1.2
ŀ	17	8	3.2	3.8	4.9	4.7	2.3	1	1.8	1.8	1.8	1.8	0.0
ŀ	18 19	21 14	3.2 2.7	4.2 3.3	5.7 3.5	5.8 3.2	4.3 0.8	16 20	3.6	3.9	8.1 4.6	6.2 4.6	4.3 2.7
ı	20	19	2.9	3.8	5.7	4.5	2.3	21	3.3	4.2	5.2	4.2	1.3
- 1	21	20	2.6	3.3	4.2	3.7	1.7	17	3.0	3.7	4.4	3.8	1.3
Ī	22	7	3.1	3.6	4.2	3.5	1.1	13	3.3	3.8	4.3	4.0	1.0
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	24	3.2	4.2	5.4	4.3	1.5	10	2.1	3.2	3.8	3.0	1.3
-	25	15	3.2	3.3	4.0	4.0	2.1	26	3.8	4.2	5.0	4.4	1.1
Week	26 27	13 14	2.6 3.9	3.4 9.7	6.4 24.0	8.4 13.9	15.7 11.3	9	3.0 4.4	3.8 5.1	4.1 5.3	4.1 4.8	1.8 0.7
≱	28	16	2.6	3.3	4.5	3.8	2.3	30	3.3	4.6	6.0	4.7	2.0
ı	29	23	2.7	3.2	4.5	4.1	3.2	18	3.4	4.0	5.3	4.4	1.7
Ī	30	12	1.8	3.3	4.8	3.7	2.2	12	2.5	3.4	3.9	3.4	1.0
ſ	31	15	3.5	4.6	5.5	4.6	2.1	11	2.4	3.8	5.0	4.0	2.1
ŀ	32	12	3.0	3.6	3.8	4.1	2.2	13	3.8	3.9	4.6	4.0	1.5
ŀ	33	12	2.3	3.5	5.6	6.1	7.3	17	2.7	4.3	4.9	4.4	1.9
ŀ	34 35	14	2.9	3.4	3.5 4.1	3.3	1.0 1.6	13 14	3.1	3.9	4.2 4.2	4.6 3.8	3.7 0.7
ŀ	36	13	1.7	3.2	3.8	3.0	1.1	14	3.0	3.9	4.2	3.7	1.0
ı	37	21	2.9	3.4	3.8	5.3	9.9	18	3.7	4.0	4.3	3.9	1.0
ı	38	16	2.8	3.3	3.9	3.2	0.9	14	3.5	3.8	4.6	3.9	1.3
ſ	39	10	3.3	3.5	3.8	3.6	0.9	15	3.9	4.7	5.8	8.3	13.3
	40	14	3.2	3.5	7.8	5.7	4.0	14	3.8	4.0	4.1	4.7	2.4
ŀ	41	16	2.9	3.5	5.0	4.4	2.4	22	3.9	5.0	6.0	5.1	2.3
ŀ	42	23 29	3.2	3.7 3.8	5.1 4.5	4.9 4.4	4.2 2.2	26 21	3.2	3.8 4.1	5.5 5.0	4.5 7.3	2.1 14.1
ŀ	44	12	2.0	3.3	5.1	3.8	2.0	10	3.9	5.0	5.9	5.3	1.8
ı	45	10	3.1	3.4	4.1	5.2	4.8	7	2.2	3.4	4.5	3.4	1.2
ı	46	18	3.8	4.1	4.6	6.3	6.9	17	2.4	2.6	3.7	3.1	1.1
ı	47	19	2.4	3.3	4.5	3.6	1.6	15	1.8	2.1	2.7	2.3	0.7
	48	29	3.6	3.9	5.6	5.4	4.8	13	1.9	2.3	3.8	3.0	1.5
	49	20	2.7	4.0	5.1	4.8	3.1	15	2.0	2.2	3.2	2.6	0.8
	50	8	2.3	4.3	6.5	5.7	4.6	2	2.1	2.2	2.2	2.2	0.1
		0	-	-			-	0	-	-	-	-	
	51 52	0	-	_	-		_	0	-	-	_		

Pi    Pi    Pi    Pi		3	Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
# 2013   Jan   Feb   Mar   Apr   May   Jun   Aug   Sep   Oct   1   2   3   4   5   6   6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   40   41   42   43   44   45   46   47   48   49   49			Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
2013 Jan Feb Mar Apr May Jun Aug Sep Oct Nov Dec 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Count	T .	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Jan Feb Mar Apr May Jun May Jun May Jun May Jun May	S	S	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Feb Mar Apr May Apr May Jun Jun Jun Aug Sep Oct Nov Dec 1 1 2 3 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	583	583	1.3	1.6	1.8	1.8	1.3	573	1.8	2.1	2.4	2.5	1.6
Mar Apr May Apr May Jun May Jun May Sep Oct Nov Dec 1 1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 56 447 48 49	0	0	-	-	-	-	-	0	-	-	-	-	-
Apr May May Jun Jul Aug Sep Oct Nov Dec 1 2 3 4 5 6 6 7 8 9 10 11 12 13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 36 37 38 39 40 41 42 43 44 56 47 48 49	2	_	1.4	1.4	1.4	1.4	0.0	2	1.7	1.7	1.7	1.7	0.0
May Jun Jul Aug Sep Oct Nov Dec 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	22		1.4	1.6	2.0	1.9	0.9	30	1.8	2.1	3.0	2.6	1.1
Jun Jul Aug Sep Oct Nov Dec 1 1 2 3 4 5 6 6 7 8 9 9 10 11 12 13 14 15 16 17 7 18 18 19 20 21 22 23 24 25 26 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	40 74		1.3	1.4	1.5 1.5	2.0 1.5	2.8 0.9	54 80	1.7	2.1	2.3 2.5	2.2	0.8 2.7
Aug Sep Oct Nov Dec 1 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	54	_	1.3	1.4	1.5	1.5	0.5	46	1.8	2.0	2.5	2.7	1.8
Aug Sep Oct Nov Dec 1 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	71	+ +	1.3	1.5	1.7	1.7	1.6	71	1.8	2.1	2.7	2.6	1.7
Oct Nov Dec 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	60	60	1.5	1.8	1.9	2.1	1.8	63	1.8	2.1	2.5	2.4	1.2
Nov Dec 1 1 2 3 3 4 4 5 5 6 6 7 8 8 9 10 11 11 12 13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	65	65	1.5	1.7	2.0	1.8	8.0	63	1.9	2.3	2.5	2.7	1.5
Dec 1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 56 46 47 48 49	90	_	1.5	1.7	1.9	1.8	0.8	91	2.0	2.2	2.5	2.5	1.3
1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	75	+ +	1.6	1.7	1.9	1.8	0.4	56	1.7	1.8	2.1	2.0	0.8
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 48 49 40 40 40 40 40 40 40 40 40 40	30		1.7	1.8	2.0	2.3	2.1	17	1.5	1.7	1.9	1.7	0.2
3 4 5 6 7 8 8 9 9 10 11 12 13 14 15 16 17 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0		-	-	-	-	-	0	-	-	-	-	-
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 40 40 40 40 40 40 40 40 40 40	0	+ +	-	-	-	-	-	0	-		-	-	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0	_	-	-	-	-	-	0	-	-	-	-	-
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0	0	-	-	-	-	-	0	-	-	-	-	-
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0	0	-	-	-	-	1	0	-	-	-	-	•
9 10 11 12 13 14 15 16 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0	+ +	-	-	-	-	-	0	-	-	-	-	-
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 49 40 40 40 40 40 40 40 40 40 40	0		-	-	-	-	-	0	-	-	-		-
111 122 133 144 155 166 177 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	2		1.4	1.4	1.4	1.4	0.0	2	1.7	1.7 3.4	1.7 4.1	1.7 3.4	0.0 1.5
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	3	_	1.3	1.6	2.0	2.2	1.2	5	2.6 1.7	3.4	3.2	2.7	0.9
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	9	_	1.4	1.7	2.0	2.0	1.0	11	1.8	2.0	2.2	2.2	1.0
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	7		1.3	1.6	1.9	1.9	1.0	11	2.0	2.1	3.5	2.7	1.1
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	8	8	1.4	1.5	1.8	1.6	0.3	16	2.1	2.3	2.7	2.3	0.4
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	10	10	1.3	1.4	1.5	1.6	0.9	18	1.7	2.0	2.1	2.2	0.9
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	6	_	1.4	1.4	1.4	1.3	0.2	12	1.8	2.0	2.2	2.0	0.3
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	7	_	1.2	1.5	5.7	4.8	5.8	1	1.3	1.3	1.3	1.3	0.0
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	24 15		1.3	1.3	1.4 1.5	1.3 1.5	0.1	20	1.7	2.0	2.4 3.3	2.2 3.4	0.9 3.0
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	19	_	1.2	1.3	1.5	1.3	0.2	19	1.8	1.9	2.5	2.5	1.6
23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	19	_	1.2	1.4	1.5	1.8	1.7	15	1.8	1.9	2.0	2.9	3.2
24 25 26 27 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	7	7	1.2	1.3	1.5	1.3	0.2	13	1.9	2.1	2.5	3.6	3.6
25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	0	0	-	-	-	-	-	0	-	-	-	-	_
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	27	_	1.2	1.3	1.5	1.4	0.1	11	1.6	1.8	2.0	2.1	1.2
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	15		1.5	1.6	1.7	1.7	0.5	25	1.8	1.9	2.5	2.7	2.0
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	12 13		1.2	1.3	1.4	1.5 1.3	0.8	10 3	2.1	2.4	3.1 2.1	3.1 2.0	1.8 0.1
29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	16		1.3	1.5	1.6	2.4	3.2	31	1.8	2.1	3.0	2.8	1.9
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	23		1.4	1.5	1.7	1.5	0.2	18	1.9	2.2	2.6	2.5	1.4
32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	11	11	1.2	1.5	1.6	1.4	0.3	14	1.9	2.2	2.5	2.9	1.9
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	15	15	1.6	1.8	2.0	1.9	0.6	11	1.8	2.1	2.3	2.2	0.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	12	_	1.5	1.8	2.1	3.2	3.6	13	2.0	2.3	2.5	2.7	1.9
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	13		1.5	1.7	1.9	1.9	0.7	18	1.8	2.0	2.4	2.5	1.3
36 37 38 39 40 41 42 43 44 45 46 47 48 49	15 13		1.5	1.7 1.9	1.9	1.8 1.8	0.4	12 14	1.7	2.0	2.5	2.1	0.5 1.0
37 38 39 40 41 42 43 44 45 46 47 48 49	12	_	1.4	1.6	2.3	1.8	0.4	14	1.9	2.1	2.4	2.4	0.8
38 39 40 41 42 43 44 45 46 47 48 49	22	_	1.6	1.7	2.1	2.0	1.3	18	1.9	2.2	2.3	2.6	1.6
40 41 42 43 44 45 46 47 48 49	15		1.5	1.7	1.9	1.7	0.3	14	1.9	2.2	2.6	2.4	0.9
41 42 43 44 45 46 47 48 49	11	_	1.5	1.6	2.0	1.7	0.4	15	2.0	2.3	4.0	3.3	2.0
42 43 44 45 46 47 48 49	14	_	1.7	1.8	1.9	1.8	0.2	14	1.9	2.0	2.2	2.1	0.4
43 44 45 46 47 48 49	16	_	1.5	1.8	1.9	1.7	0.3	22	1.9	2.2	2.3	2.2	0.4
44 45 46 47 48 49	23		1.5	1.7	1.8	1.6 1.7	0.4	26 21	1.9	2.3	2.6	2.6	1.3
45 46 47 48 49	29 13	_	1.6	1.7	2.0	2.5	0.3 1.9	21 11	2.0	2.1	2.6	2.7 3.1	1.6 1.8
46 47 48 49	10		1.7	1.7	1.8	1.7	0.2	8	1.7	1.9	2.4	2.1	0.5
47 48 49	17		1.7	1.7	2.1	1.9	0.6	17	1.8	2.1	2.3	2.4	1.2
49	19	_	1.4	1.6	1.9	1.6	0.3	15	1.6	1.7	1.9	1.7	0.2
-	29	29	1.7	1.8	2.0	1.8	0.2	15	1.5	1.7	2.1	1.8	0.4
50	20		1.7	1.8	1.9	2.5	2.5	15	1.5	1.7	1.9	1.7	0.2
	10	_	1.6	1.7	2.0	1.9	0.7	2	1.7	1.8	1.9	1.8	0.1
51	0	_	-	-	-	-	-	0	-	-	-	-	-
52 53	0	_	-	-	-	-	-	0	-	-	-	-	-

L	34		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
<u>و</u>	e P	ınt	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Lime	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	589	2.9	3.7	4.7	4.6	4.1	574	2.9	3.8	4.4	4.3	3.9
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	3	1.8	1.8	1.8	1.8	0.1	3	2.5	3.0	3.2	2.8	0.6
	Mar	21	2.3	3.1	4.0	3.3	1.4	32	3.0	3.5	3.9	3.6	1.3
	Apr	40 77	2.1	3.3	6.9 4.7	5.5 3.9	4.5 1.8	54 82	3.3	3.7	4.4 5.2	4.6 4.3	3.1 1.4
£	May Jun	52	3.2	3.9	4.7	4.1	1.6	45	3.4	3.8	4.4	3.8	1.0
Month	Jul	71	3.0	3.7	5.8	6.4	6.5	71	3.3	3.9	5.1	5.6	4.8
	Aug	61	3.0	3.5	4.0	4.2	6.1	62	2.5	3.8	4.2	4.3	4.5
	Sep	65	3.0	3.4	4.0	4.2	2.8	63	3.5	3.8	4.2	3.9	1.4
	Oct	89	3.3	3.8	5.3	4.9	4.3	88	3.6	4.2	5.2	4.6	2.3
	Nov	79	3.0	3.9	4.5	4.3	2.3	57	2.1	2.3	3.3	2.7	0.9
	Dec	31	3.1	3.8	4.1	4.3	3.4	17	1.9	2.2	2.9	6.2	15.7
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	3 2	1.8	1.8	1.8	1.8	0.1	2	2.5 3.4	3.0	3.2	2.8	0.6
	11	3	2.6	3.1	3.5 4.0	3.1	0.9 1.2	5	3.0	3.5	3.6 3.5	3.5	0.2
	12	6	3.5	4.9	5.6	4.7	1.4	12	2.7	3.0	3.9	3.2	0.8
	13	10	1.9	2.4	3.2	2.5	0.8	12	3.4	3.8	4.4	4.2	1.7
	14	8	2.2	2.8	3.3	3.0	1.5	17	3.7	3.8	4.2	4.0	0.9
	15	10	1.7	2.1	2.7	3.2	2.7	17	3.2	3.3	3.8	4.5	4.1
	16	6	2.4	3.5	4.2	3.2	1.2	12	3.3	3.5	3.7	3.7	0.7
	17	5	13.6	14.1	14.9	14.3	1.3	2	11.8	13.0	14.3	13.0	2.5
	18 19	27 15	3.4	4.7 3.4	7.0 4.5	5.4 3.6	3.2 1.1	20 22	3.6	4.2	6.1 4.5	4.9 4.2	2.0
	20	19	3.2	4.2	5.0	4.5	2.4	18	3.6	4.0	5.7	4.6	1.5
	21	19	2.5	3.1	3.4	3.1	1.0	16	3.4	3.7	5.0	4.1	1.2
	22	8	2.6	3.2	4.9	3.4	1.3	13	3.4	3.7	4.3	3.9	1.1
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	27	3.3	4.3	4.8	4.0	1.1	13	2.7	3.7	4.1	3.3	1.1
	25	14	3.2	3.5	4.7	4.0	1.3	23	3.4	3.9	4.5	3.9	0.9
Week	26 27	11	3.0 15.2	4.8 19.2	5.6 23.4	4.6 18.0	2.6 7.3	9	3.7 18.7	3.8 19.4	4.5 21.3	4.2 20.7	0.9
š	28	16	3.3	4.4	6.3	5.0	2.4	30	3.8	4.6	6.3	5.8	3.7
	29	23	2.9	3.2	3.7	3.3	0.8	18	2.9	3.7	4.0	3.6	0.9
	30	10	1.4	2.6	3.4	2.5	1.1	14	2.3	3.7	4.1	3.5	1.4
	31	16	3.6	3.9	4.4	4.1	1.3	13	2.4	3.6	4.4	4.2	2.8
	32	11	3.1	3.3	4.1	3.4	0.8	13	3.9	4.2	6.9	7.7	8.9
	33	13 16	2.3 3.2	3.2 3.5	3.7	6.9 3.5	12.7 1.0	14 13	3.2 2.4	3.7	3.9 3.8	3.5 3.1	1.1 0.8
	35	14	2.2	3.8	4.0	3.2	0.9	14	3.0	3.9	4.1	3.5	0.8
	36	12	2.3	2.8	3.3	3.9	4.0	15	3.2	3.9	4.1	3.6	0.9
	37	21	3.2	3.8	4.5	4.5	2.7	18	3.8	4.2	6.0	4.8	1.9
	38	13	3.2	3.4	4.0	3.8	2.2	14	3.2	3.7	4.0	3.4	0.9
	39	13	3.0	3.5	4.2	4.5	2.7	14	3.4	3.7	4.0	3.5	0.7
	40	15	3.4	3.5	4.6	4.0	1.3	14	3.5	3.8	4.9	4.0	1.1
	41	16 23	3.2 2.3	3.8 4.0	5.4 5.3	4.3 5.0	2.0 5.7	22 26	3.7	4.0	5.1 4.8	5.3 4.3	3.9 1.2
	43	29	3.3	4.0	5.3	4.7	2.2	21	3.6	4.2	4.6	4.3	1.4
	44	12	2.1	3.3	6.3	6.6	7.4	8	4.0	4.4	5.8	5.1	1.3
	45	12	2.9	3.9	4.8	4.5	2.9	9	2.3	3.5	3.6	3.1	0.7
	46	18	3.4	3.8	4.7	4.1	1.8	17	2.3	2.8	4.2	3.3	1.2
	47	21	2.3	3.4	4.5	4.1	2.6	15	1.9	2.0	2.3	2.1	0.4
	48	28	3.8	4.0	4.3	4.5	2.1	15	2.1	2.3	2.6	2.4	0.5
	49	20	3.1	3.8	4.0	4.6	4.1	15	1.9	2.2	2.6	2.3	0.5
	50	11	3.2	3.9	4.5	3.9	1.4	2	18.9	35.6	52.4	35.6	33.5
	51 52	0	-	-	-	-	-	0	-	-	-	-	-
	UZ	J	<u> </u>	0		<u> </u>	<u> </u>						

L	35		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
ē	e Pd.	ınt		ercenti			Std.	ır		ercentil			Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	591	2.2	2.7	3.5	3.8	3.1	569	3.3	3.8	4.5	4.2	1.9
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	3	2.1	2.1	2.3	2.2	0.2	3	2.7	2.8	2.9	2.8	0.1
	Mar Apr	21 40	2.2	2.5	5.1 4.1	3.7	2.2	32 52	3.4	4.3 3.8	5.3 4.3	4.6 4.4	1.6 1.8
	May	76	2.0	2.2	2.4	3.1	3.1	83	3.5	3.9	4.7	4.8	3.7
Month	Jun	52	2.0	2.3	2.5	2.4	1.0	45	3.4	3.8	4.9	4.1	1.3
₽	Jul	71	2.0	2.3	3.5	3.8	3.5	70	3.4	3.8	4.3	4.2	1.8
	Aug	60	2.5	3.0	3.6	3.4	1.5	63	3.3	3.9	4.2	3.9	0.8 1.2
	Sep Oct	68 90	2.6	2.9 2.9	3.5 5.5	3.6 4.7	2.1 4.1	65 85	3.4	3.9	4.5 4.6	4.1 4.1	0.8
	Nov	79	2.6	3.0	4.5	4.5	3.6	56	3.0	3.4	3.9	3.6	1.0
	Dec	31	2.7	2.9	4.7	4.4	3.3	15	2.7	3.2	4.5	4.3	2.8
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	_	-	-		-	0	-	-	-	-	
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8 9	3	2.1	2.1	2.3	2.2	0.2	3	2.7	- 28	- 20	- 28	- 0.1
	10	2	2.1	2.1	3.1	2.2	0.2	1	2.7	2.8	2.9 2.9	2.8	0.1
	11	3	1.9	2.2	2.3	2.1	0.3	5	3.2	5.0	5.3	4.8	1.6
	12	6	3.2	5.0	6.4	5.1	2.2	12	4.1	5.2	6.0	5.2	1.7
	13	10	1.9	2.5	4.6	3.5	2.2	12	3.4	4.1	4.4	4.1	1.3
	14	8	2.1	2.9	7.3	4.4	2.8	17	3.7	4.1	4.3	4.2	1.1
	15 16	10 6	2.0	2.3	3.1 2.2	3.0 2.0	1.6 0.3	17 12	3.4	3.6	4.1 4.3	3.8 4.5	0.5 2.4
	17	1	1.9	1.9	1.9	1.9	0.0	2	5.5	7.5	9.5	7.5	4.0
	18	30	2.0	2.3	5.3	3.8	2.7	20	3.7	4.1	5.7	4.9	1.5
	19	16	2.0	2.1	2.3	3.6	4.6	21	3.3	4.1	4.8	6.4	6.8
	20	18	1.9	2.0	2.2	2.3	0.9	19	3.5	4.2	4.6	4.3	1.2
	21	19 8	2.1	2.3	2.5	3.3	3.0 2.9	17 12	3.6	4.0 3.7	4.4 3.9	4.1 4.2	0.9 1.8
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	27	2.0	2.1	2.3	2.4	1.3	14	3.3	3.8	5.0	4.1	1.3
	25	14	2.3	2.6	2.7	2.6	0.4	23	3.3	3.7	4.2	3.9	8.0
Week	26	11	1.8	2.3	2.8	2.4	0.7	7	4.0	4.3	5.1	5.1	1.8
Š	27 28	7 22	1.8 2.1	1.8 2.3	3.2	1.8 3.5	0.2 3.4	5 31	3.4	3.5	3.5 4.4	3.5 4.2	0.4 1.2
	29	23	2.1	2.3	5.6	4.2	3.4	18	3.6	3.8	4.4	4.0	0.8
	30	10	2.0	2.3	5.2	4.3	3.9	12	3.4	3.8	4.3	3.8	0.5
	31	16	2.6	3.4	5.7	4.7	3.3	14	3.9	4.2	4.7	5.2	3.2
1	32	13 12	2.6	2.9 3.0	3.3	3.3 2.8	1.2 0.6	12 14	3.3	3.7 4.1	3.9 4.5	3.7 4.0	0.6
1	34	16	2.5	2.7	3.2	3.2	1.5	14	3.1	3.9	4.2	3.7	0.6
1	35	12	3.0	3.2	4.1	3.7	1.1	14	3.5	3.8	4.1	3.9	0.8
1	36	12	2.4	2.7	3.2	2.9	0.7	16	3.4	3.9	4.4	4.2	1.6
1	37	22	2.6	2.9	3.2	2.9	0.5	18	3.4	4.4	5.0	4.3	1.2
1	38 39	15 13	2.6	3.0	3.6 4.0	4.1	3.1 1.9	14 16	3.4	4.0 3.9	4.5 4.3	4.0 3.9	1.1 0.5
1	40	15	3.0	5.2	8.9	6.2	3.8	12	3.4	3.6	4.3	3.9	1.0
1	41	15	2.5	2.9	4.9	4.3	3.1	21	3.8	4.0	4.8	4.1	0.7
1	42	23	2.4	2.8	5.0	4.3	3.8	26	3.6	3.8	4.1	3.9	0.7
1	43	28	2.6	2.9	3.6	5.0	5.2	20	3.8	4.4	4.6	4.3	0.8
1	44 45	15 11	2.3	2.7 3.2	5.1 4.5	3.8	1.9 1.7	10 9	3.6	4.2 3.8	4.3 4.1	4.2 3.9	0.7 1.0
1	46	18	2.6	2.9	3.4	3.8	2.6	17	3.2	3.8	3.9	3.9	0.6
1	47	21	2.5	3.0	5.8	5.5	5.0	11	2.8	3.1	3.5	3.7	1.7
1	48	29	2.8	3.0	3.7	4.6	3.3	16	2.8	3.0	3.7	3.3	8.0
1	49	20	2.8	2.9	4.8	4.4	2.9	14	2.7	3.1	4.9	4.4	2.9
1	50	11	2.7	3.2	4.0	4.5	3.9	1	3.2	3.2	3.2	3.2	0.0
1	51 52	0	-	-	-	-	-	0	-	-	-	-	-
1	53	0	-	-	-	-		0	-	-	-	-	-
_		-											

L	36		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
٦	эе Р	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	599	3.0	3.8	5.2	4.8	3.8	580	3.4	4.1	5.3	5.4	6.0
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	2	3.6	5.6	7.6	5.6	4.0	3	5.7	7.7	8.3	6.8	2.2
	Mar	26 40	3.0 2.3	4.3 3.9	7.4 5.2	7.5 4.2	7.7 2.4	35 54	3.7	4.1	5.6 4.7	5.1 5.4	3.3 6.0
	Apr May	77	2.8	3.2	5.3	4.7	3.5	82	3.5	4.1	5.9	5.3	4.0
뒫	Jun	55	3.0	3.3	5.3	4.4	2.6	49	3.3	4.0	5.3	5.1	6.4
Month	Jul	70	2.8	3.8	5.3	4.6	3.0	69	3.5	4.3	7.2	6.4	5.5
	Aug	60	3.1	3.8	4.5	4.1	2.3	62	3.1	4.2	5.3	5.0	5.6
	Sep	67	3.0	3.5	4.3	4.4	5.0	64	3.9	4.2	5.1	7.1	10.9
	Oct Nov	90 81	3.2	4.1 3.8	6.2 4.3	5.5 4.2	4.3 2.2	58 58	3.7 2.0	4.5 3.1	5.9 4.0	5.2 4.1	3.2 6.4
	Dec	31	3.8	4.7	6.0	5.8	4.9	16	2.1	2.4	3.3	3.4	2.7
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5 6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	4	1.7	5.6	11.4	7.4	6.3	3	5.7	7.7	8.3	6.8	2.2
	10	2	3.2	4.6	6.0	4.6	2.8	1	3.3	3.3	3.3	3.3	0.0
	11	4	3.2	4.6	9.5	8.1	7.1	7	3.2	3.5	5.6	4.7	2.1
	12 13	6 11	4.3 1.8	4.8 3.4	6.2 10.8	5.3 8.7	1.2	12 13	4.0 3.6	5.0 4.0	5.8 4.8	5.1 5.5	1.2 4.9
	14	9	3.2	4.9	5.7	4.4	1.7	19	3.7	4.1	4.7	5.0	3.4
	15	11	1.7	2.3	2.9	2.8	1.8	16	3.6	4.0	4.3	4.6	2.4
	16	6	2.2	3.7	4.7	3.4	1.5	13	3.6	3.8	4.7	4.3	1.6
	17	0	-	-	-	-	-	1	1.8	1.8	1.8	1.8	0.0
	18	29	3.8	4.7	6.8	5.6	2.9	20	4.0	5.7	8.4	9.4	10.4
	19 20	15 18	2.7	3.2	5.2 3.9	4.7 3.3	3.6 1.3	20 19	3.4	3.8 4.0	4.3 6.5	4.4 5.1	2.6
	21	21	2.8	3.1	6.1	5.1	3.9	17	3.2	3.6	4.3	4.1	1.8
	22	9	2.8	3.0	5.3	5.2	4.6	13	4.0	5.4	6.3	5.7	2.8
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	27	3.0	3.3	4.0	3.8	1.6	17	3.0	3.5	3.9	3.9	1.7
	25	15 13	3.2	3.8 4.8	6.1	4.9 5.2	2.7	24	3.4	4.2	5.4	4.5	1.3
Week	26 27	6	2.8	3.4	6.3 3.7	3.1	3.5 0.9	7	4.0 12.8	4.9 21.5	5.7 30.1	10.6 21.5	15.4 17.4
≥	28	23	3.3	4.2	5.7	5.2	3.6	32	3.7	4.8	12.1	7.3	4.9
	29	22	3.0	4.2	5.1	4.8	2.9	17	3.9	4.7	7.2	5.3	2.1
	30	10	1.5	2.0	3.6	3.0	2.1	13	3.0	3.4	4.2	3.4	0.7
	31	16	3.8	4.4	6.8	5.9	3.6	14	4.1	4.7	5.3	5.0	1.6
	32	13	3.8 2.6	4.1 3.3	4.9 3.9	4.3 3.2	1.4	14	3.9 2.6	5.3 3.8	5.4 4.4	4.7 3.7	1.4
	34	16	3.2	3.8	4.4	3.8	1.0	13	2.6	3.8	4.4	3.6	1.4
	35	13	2.3	3.6	4.4	3.8	1.7	14	3.7	4.1	6.0	7.9	11.0
	36	12	2.6	3.4	5.1	4.3	2.4	17	3.9	4.2	5.1	5.0	2.8
	37	21	3.2	3.5	3.8	3.7	1.0	18	4.1	4.8	6.0	5.5	2.6
	38	15	3.0	3.2	3.7	3.6	1.4	11	3.9	4.0	5.4	8.2	11.8
	39 40	13 16	3.1	3.7 3.5	4.9 4.2	6.9 3.7	10.4 1.1	16 14	3.5	4.0 5.0	4.3 6.2	7.9 9.3	16.0 12.2
	41	14	3.4	4.2	7.5	5.9	4.1	22	3.7	4.5	5.4	4.8	2.1
	42	25	2.8	3.7	5.4	4.7	3.4	26	3.7	4.8	6.1	5.2	2.1
	43	27	3.5	4.9	6.4	5.9	3.4	20	3.6	4.2	5.1	4.4	1.4
	44	15	3.0	6.2	7.5	7.0	7.0	10	4.9	5.6	6.6	6.3	2.7
	45	11	3.0	3.8	5.4	4.2	1.6	9	3.1	3.5	4.1	3.6	0.9
	46 47	18 21	2.9	4.0 3.3	4.4 3.7	3.9 3.2	1.5 0.7	19 12	2.4 1.9	3.1 2.3	4.0 3.1	5.7 2.6	10.8
	48	30	3.6	4.0	4.4	5.1	2.9	16	2.0	2.2	4.0	3.4	2.0
	49	20	3.8	4.2	5.2	6.2	5.8	15	2.0	2.3	3.5	3.4	2.8
	50	11	3.4	5.6	6.1	5.1	2.3	1	2.4	2.4	2.4	2.4	0.0
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-				-	0	-	-		-	-

ᄔ	37		Dov	vnstrea	m Dire	ction			Ų	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
٦	эе Р	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	541	4.8	5.8	7.0	6.9	5.0	533	6.2	7.1	8.4	8.4	5.6
	Jan	1	8.2	8.2	8.2	8.2	0.0	1	5.9	5.9	5.9	5.9	0.0
	Feb	1	5.6	5.6	5.6	5.6	0.0	3	6.3	7.1	9.4	8.1	2.6
	Mar	32 38	5.3 4.7	5.7 5.0	7.5 6.2	7.4 7.1	3.7 5.4	42 52	6.0	6.9 7.3	8.5 8.1	8.6 8.9	6.8
	Apr May	76	4.3	4.7	5.9	6.3	6.4	78	6.6	7.5	9.0	9.4	6.6
튀	Jun	52	4.3	4.7	5.3	5.2	1.7	48	6.2	7.0	9.1	8.7	7.2
Month	Jul	60	4.6	5.1	6.0	5.9	3.4	61	6.3	7.3	9.1	8.8	4.2
	Aug	53	5.7	6.3	7.9	8.2	7.7	53	6.6	7.3	8.4	9.0	7.1
	Sep	55	5.7	6.3	7.3	6.5	1.5	53	6.1	7.0	7.8	7.6	4.6
	Oct	81	5.5	6.3	7.3	7.5	5.5	79	6.3	7.6	8.5	7.7	2.1
	Nov Dec	58 34	5.9 5.6	6.7 6.5	7.8 7.1	7.4 8.7	2.3 6.7	43 20	5.6 5.1	6.4 5.4	7.6 6.5	7.3 7.4	2.9 6.2
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	1	8.2	8.2	8.2	8.2	0.0	1	5.9	5.9	5.9	5.9	0.0
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	4	5.4	5.6	7.0	6.8	2.6	4	6.7	7.8	9.2	8.2	2.3
	10	6	5.3	6.2	7.4	6.8	2.3	6	7.0	8.5	10.0	14.8	15.5
	11	5	5.2	5.4	5.4	6.9	3.5	9	6.6	6.9	9.8	8.2	2.4
	12	7	5.3	5.6	6.2	5.8	0.5	12	5.8	7.1	9.5	8.1	3.1
	13	10	5.5	6.2	11.0	8.7	5.2	13	6.3	6.8	6.9	6.4	0.8
	14	8	5.5	7.0	9.9	8.2	3.3	19	7.2	7.7	8.7	9.1	4.3
	15 16	11 6	4.6 4.1	5.2 4.7	5.5 13.3	5.1 8.2	0.7 5.8	16 12	5.5 6.5	6.6 7.3	7.3 8.5	6.5 9.3	0.9 5.0
	17	1	4.1	4.7	4.9	4.9	0.0	1	5.3	5.3	5.3	5.3	0.0
	18	26	4.2	4.7	5.0	6.6	5.7	17	6.7	7.6	9.0	12.3	13.1
	19	16	4.6	4.9	5.9	8.8	12.7	19	7.2	7.7	9.8	9.4	4.6
	20	18	4.1	4.7	6.0	6.0	3.2	18	6.6	7.1	7.7	7.7	2.3
	21	19	4.5	5.1	5.9	5.6	2.3	18	6.3	7.2	8.1	8.0	3.2
	22	10	4.0	4.6	5.7	5.5	2.2	11	6.8	8.7	16.2	12.8	8.4
	23 24	0 26	4.3	4.5	4.9	4.8	1.5	0 15	6.5	6.9	7.3	6.8	1.6
	25	14	5.1	5.8	6.4	6.0	1.6	24	6.4	7.6	9.7	8.5	3.1
Ţ	26	12	3.9	4.6	4.9	5.0	2.1	9	5.6	6.6	9.4	12.2	15.1
Week	27	3	3.9	4.7	4.8	4.2	0.8	2	9.4	11.4	13.5	11.4	4.1
>	28	24	4.5	4.9	5.4	6.1	4.7	30	6.6	7.5	8.5	8.9	4.6
	29	19	4.8	5.7	7.1	6.3	2.4	13	6.5	7.4	10.3	8.7	3.2
	30 31	8 14	3.8 5.5	5.1 5.9	5.5 7.0	4.8 6.0	0.8 1.2	11 12	5.9 6.3	7.3 6.9	8.7 8.2	8.2 8.1	3.1
	32	10	6.3	7.2	8.3	7.3	2.0	11	6.5	7.0	8.2	8.7	3.8
	33	9	5.9	6.2	7.0	7.4	3.5	12	7.4	8.0	10.8	9.6	4.8
	34	13	5.4	6.3	8.0	10.2	13.2	11	7.0	7.7	8.5	11.7	13.6
	35	13	5.8	6.7	8.4	8.9	6.8	12	6.1	7.1	7.3	7.0	1.4
	36	9	5.6	6.9	8.0	7.5	2.5	15	6.0	6.9	7.2	6.7	1.3
	37	19	5.7	6.0	7.0	6.4	0.8	15	6.1	6.9	7.8	7.0	1.0
	38	11	5.7 4.5	6.4 6.8	7.2 7.5	6.4 6.2	1.0 1.8	13	6.2	7.1 7.4	8.7 7.8	7.6 7.0	1.9
	40	11	5.9	6.0	6.8	9.4	10.1	13	6.3	6.3	7.7	9.0	8.8
	41	14	6.1	6.9	7.6	7.2	2.2	17	6.7	7.7	8.2	7.4	1.3
	42	23	4.9	5.8	6.8	6.4	2.8	26	6.4	7.7	9.1	8.1	2.4
	43	25	5.9	6.5	7.4	6.9	1.8	18	6.1	6.9	8.7	7.8	2.3
	44	15	5.2	6.4	7.2	8.6	7.9	8	6.9	8.0	8.4	8.4	2.2
	45	10	6.2	6.7	7.2	7.7	2.6	9	6.1	7.0	7.5	6.8	1.2
	46 47	19 9	6.0 5.4	6.8 6.2	9.0 6.9	7.9 6.8	2.9 1.9	20 6	5.7 5.5	6.8	8.4 6.3	8.2 5.9	3.8 0.4
	48	19	6.2	6.8	7.3	7.0	1.9	7	5.5	5.7	7.9	6.5	1.4
	49	20	5.8	6.3	7.2	7.9	4.4	16	5.0	5.3	5.8	6.0	2.0
	50	14	5.5	6.5	6.9	9.8	9.0	4	6.2	6.6	13.4	13.0	11.7
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-		-			0	-	-		-	
	53	0	-	-	_	_		0	-	-	-	-	_

L	38		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (ho	ır)
Unit	∍ Pd.	nt		ercenti				Ħ		ercentil			
Time I	Time	Count					Std.	Count					Std.
Y	2013	554	<b>25th</b> 2.3	<b>50th</b> 2.8	<b>75th</b> 3.6	<b>Avg.</b> 3.8	<b>Dev.</b> 4.8	559	<b>25th</b> 2.6	<b>50th</b> 3.0	<b>75th</b> 3.5	<b>Avg.</b> 3.6	<b>Dev.</b> 3.7
Ė	Jan	1	3.2	3.2	3.2	3.2	0.0	1	2.9	2.9	2.9	2.9	0.0
	Feb	1	1.8	1.8	1.8	1.8	0.0	3	2.6	2.8	2.9	2.8	0.2
	Mar	32	2.3	2.9	3.5	3.8	4.0	45	2.7	3.0	3.8	4.3	5.1
	Apr	33	2.1	2.6	2.9	3.3	3.1	48	2.8	3.0	3.3	3.5	2.2
ے	May	74	2.3	2.6	3.3	3.4	2.4	75	2.6	2.8	3.5	3.2	1.3
Month	Jun Jul	53 62	2.2	2.3	3.1	3.9	7.7 2.3	51 62	2.7	2.9	3.5 3.2	3.9	4.5 1.8
≥	Aug	54	2.4	3.1	4.5	4.5	7.0	57	2.8	3.2	3.6	3.7	2.6
	Sep	55	2.5	2.9	3.8	5.0	9.1	54	2.7	3.1	3.3	3.1	0.9
	Oct	81	2.6	3.2	4.0	3.8	2.7	84	2.8	3.2	4.3	4.3	4.1
	Nov	71	2.8	3.1	3.5	3.5	1.4	57	2.3	2.8	3.1	3.8	7.3
	Dec	37	2.8	3.1	4.3	3.8	1.8	22	2.1	2.4	2.6	2.5	0.9
	2	1	3.2	3.2	3.2	3.2	0.0	1	2.9	2.9	2.9	2.9	0.0
	3	0	J.Z -	J.Z -	J.Z	J.Z	-	0	2.9	2.9	2.9	2.9	- 0.0
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8 9	3	1.9	1.9	2.3	2.1	0.4	4	2.7	2.9	3.4	3.2	0.8
	10	7	2.3	3.0	3.3	3.1	1.2	6	2.7	3.0	3.4	3.4	1.0
	11	5	2.4	2.5	3.3	3.1	0.9	10	2.5	3.1	4.3	6.4	9.5
	12	7	2.3	3.1	3.1	2.8	0.7	12	2.6	2.8	3.1	3.1	1.0
	13	9	2.4	3.8	4.7	6.0	6.9	13	2.8	3.2	4.2	4.4	4.0
	14	8	2.8	2.9	3.8	3.3	1.0	18	2.9	3.2	3.8	4.1	3.3
	15 16	10 4	1.9 2.0	2.2	2.4	2.2	0.4	17 11	2.7	3.0 2.9	3.2	2.9 3.0	0.3
	17	1	18.7	18.7	18.7	18.7	0.0	0	2.5	2.9	3.3	-	0.6
	18	26	2.4	2.8	3.2	3.3	1.9	18	2.9	3.2	4.0	3.5	0.8
	19	16	2.4	2.8	3.1	3.6	2.5	16	2.6	2.8	3.4	3.1	0.8
	20	16	2.1	3.2	4.2	3.8	2.5	18	2.7	2.9	3.6	3.6	2.2
	21	19	2.3	2.3	2.5	3.2	3.0	18	2.4	2.7	3.1	2.9	0.8
	22	9	2.0 58.2	2.5 58.2	2.9 58.2	2.7 58.2	0.9	10 0	2.4	2.5	3.1	2.8	0.6
	24	25	2.2	2.3	2.7	2.8	1.3	16	2.7	3.0	3.2	4.3	3.9
	25	13	2.2	2.7	4.5	3.5	1.9	23	2.6	2.8	3.5	3.0	0.5
꽃	26	14	2.0	2.1	2.3	2.2	0.5	12	2.2	2.9	3.6	5.2	8.0
Week	27	2	2.4	2.5	2.6	2.5	0.2	3	2.8	2.9	3.3	3.1	0.4
	28 29	24	2.3	2.7	3.4	3.5	2.5	27 15	2.7	2.8	3.0	3.1	0.9
	30	8	1.5	2.1	2.6	2.2	0.8	13	2.7	2.9	3.2	4.1	3.5
	31	12	2.5	2.7	3.6	3.5	2.3	11	2.9	3.3	3.7	3.3	0.7
1	32	13	2.8	3.1	5.1	4.1	1.7	15	3.2	3.4	3.8	3.7	1.1
ĺ	33	8	2.2	2.7	3.3	2.7	0.6	12	3.0	3.3	3.9	5.4	5.1
1	34	15	2.6	3.4	4.3	3.8	1.6	11	2.8	3.0	3.2	3.1	0.7
ĺ	35 36	12 9	2.3	3.3 2.9	5.2 3.7	7.9 4.3	13.9 3.8	12 14	2.6	2.9 3.0	3.4	3.0 2.9	0.7
ĺ	37	19	2.8	2.9	4.0	4.3	3.5	16	2.7	3.2	3.6	3.4	1.0
ĺ	38	12	2.4	2.5	2.8	2.5	0.4	9	3.0	3.2	3.2	3.1	0.3
ĺ	39	10	2.9	3.7	6.6	10.8	19.2	14	2.5	3.1	3.2	3.2	1.1
1	40	9	3.1	3.2	3.7	3.6	1.4	12	2.7	2.9	3.3	2.9	0.6
ĺ	41	15 23	2.5	3.1	3.8 4.2	3.4 4.6	1.3 4.6	18 28	2.7	3.2 4.0	4.0 4.7	3.4 3.9	1.2
1	42	26	2.8	3.5	3.9	3.7	1.5	17	3.0	3.2	3.4	4.0	2.8
ĺ	44	15	2.7	3.2	3.3	3.1	0.9	18	3.0	3.2	3.6	6.1	7.8
1	45	20	2.8	2.9	3.2	3.2	1.2	12	2.7	2.9	3.1	3.0	0.5
ĺ	46	22	2.9	3.6	4.5	3.9	1.3	23	2.4	2.8	3.1	2.9	8.0
ĺ	47	10	2.5	3.2	3.4	3.7	2.6	6	2.2	2.2	2.3	2.3	0.2
ĺ	48	17	2.8	3.1	3.3	3.2	0.5	8 17	2.2	3.0	3.8	9.9	18.2
1	49 50	23 14	2.7 3.6	2.9 4.8	3.1 5.8	3.1 5.0	1.1 2.1	17 5	2.1	2.3	2.6 2.7	2.4 3.1	0.4 1.5
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-
	_	_		· <u></u>	_	· <u></u>	_	_			· <u></u>	· <u></u>	

ᆫ	39		Dov	vnstrea	m Dire	ction			Į	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je L	эе Р	Count	P	ercenti	le	1	Std.	Count	P	ercentil	е		Std.
Time l	Time	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	558	1.4	1.7	2.1	2.2	1.8	550	2.0	2.3	2.6	2.4	1.3
	Jan	2	1.6	1.7	1.8	1.7	0.2	1	1.8	1.8	1.8	1.8	0.0
	Feb	0	-	- 4.7	-	-	-	4	1.8	1.8	1.9	1.9	0.1
	Mar	26 36	1.5 1.4	1.7 1.5	1.9 2.2	1.8 3.9	0.4 4.5	28 45	2.2	2.5	2.7	3.0 2.4	3.0 0.6
	Apr May	75	1.3	1.4	1.6	1.6	0.9	77	2.0	2.2	2.6 2.6	2.8	2.3
퉏	Jun	53	1.3	1.3	1.5	1.7	1.5	50	1.9	2.2	2.5	2.3	0.7
Month	Jul	61	1.3	1.5	1.7	1.6	0.6	63	2.1	2.3	2.6	2.5	0.8
	Aug	52	1.8	2.1	2.4	2.4	1.2	57	2.0	2.3	2.7	2.4	0.8
	Sep	55	1.6	1.8	2.4	2.4	1.6	54	2.0	2.2	2.5	2.4	0.7
	Oct	83 78	1.7	1.8	2.2	2.1	1.2	85	2.0 1.8	2.3	2.8	2.5	1.0
	Nov Dec	37	1.7	2.0	2.3	2.4	1.5 2.4	64 22	1.6	2.1 1.7	2.4	2.2 1.8	0.6
	1	1	1.5	1.5	1.5	1.5	0.0	0	-	-	-	-	-
	2	1	1.9	1.9	1.9	1.9	0.0	1	1.8	1.8	1.8	1.8	0.0
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	3	1.6	1.7	1.8	1.7	0.2	5	1.8	1.8	2.1	2.0	0.3
	10	4	2.0	2.2	2.3	2.2	0.4	4	2.2	2.6	6.9	6.4	6.9
	11	4	1.6	1.7	1.7	1.6	0.2	3	2.1	2.1	2.2	2.2	0.1
	12	5	1.4	1.6	1.7	1.6	0.2	7	2.0	2.3	2.5	2.3	0.3
	13	7	1.5	1.7	1.7	1.6	0.2	11	2.3	2.5	2.7	2.5	0.4
	14	9	1.4	1.5	1.8	1.7	0.5	15	2.4	2.7	2.9	2.7	0.4
	15 16	11 4	1.4	1.5 1.3	1.6	1.5 1.3	0.2	15 12	2.0	2.2	2.4 2.5	2.5	0.9
	17	0	-	-	1.4	1.3	0.2	0	-	2.3	-		0.3
	18	29	1.4	1.6	8.5	4.8	4.8	19	2.0	2.3	2.7	2.4	0.6
	19	13	1.3	1.4	1.5	1.4	0.2	17	2.0	2.3	2.8	3.9	4.4
	20	20	1.2	1.3	1.5	1.5	8.0	18	1.8	2.4	2.7	2.6	1.2
	21	19	1.3	1.3	1.6	1.4	0.2	19	2.0	2.1	2.5	2.4	1.2
	22	9	1.2	1.5	1.5	1.4	0.2	9	2.1	2.1	2.3	2.2	0.2
	23 24	0 27	1.2	1.3	1.5	1.7	1.7	0 16	2.1	2.2	2.4	2.2	0.5
	25	13	1.4	1.5	1.7	2.0	1.7	23	2.0	2.3	2.5	2.4	0.9
۷	26	13	1.2	1.3	1.3	1.3	0.2	10	1.8	2.0	2.3	2.0	0.4
Week	27	1	1.3	1.3	1.3	1.3	0.0	6	2.3	2.3	2.5	2.7	0.7
^	28	24	1.3	1.4	1.5	1.4	0.2	24	2.0	2.2	2.5	2.4	1.0
	29	22	1.4	1.6	1.7	1.7	0.7	15	2.2	2.5	2.8	2.6	0.6
	30 31	8 10	1.2	1.3	1.5 2.3	1.3 2.5	0.2 1.3	15 9	2.3	2.3	2.6	2.5	0.6
	32	13	1.9	2.2	2.6	2.6	1.2	17	2.2	2.5	2.8	2.8	1.2
	33	8	1.9	2.0	2.1	2.0	0.3	10	1.9	2.4	2.8	2.3	0.5
	34	14	1.9	2.1	2.4	2.6	1.7	14	2.0	2.3	2.7	2.3	0.4
	35	13	1.7	2.0	2.4	2.1	0.6	11	1.9	2.1	2.4	2.1	0.4
	36	9	1.7	1.8	3.1	2.9	2.4	14	2.1	2.2	2.4	2.2	0.5
	37 38	16 14	1.7	2.1	2.5	2.6	1.4	15 8	2.0	2.2	2.5 2.5	2.3	0.6
	39	10	1.6 1.5	1.8 1.9	2.1	1.9	0.4	15	1.9	2.3	3.1	2.3	1.0
	40	11	1.7	2.2	3.7	2.7	1.3	13	1.8	2.1	2.4	2.2	0.5
	41	15	1.7	1.8	2.0	1.9	0.3	18	2.0	2.4	2.6	2.4	0.6
	42	25	1.6	1.7	1.9	1.9	1.3	28	2.0	2.2	2.7	2.4	0.7
	43	24	1.7	1.8	2.3	2.1	0.6	19	2.2	2.3	2.7	2.9	1.6
	44	17	1.7	1.8	2.2	2.4	1.5	17	2.1	2.3	2.9	2.5	0.6
	45 46	21	1.8	2.0	2.3	2.3	1.2 2.1	13 22	1.9 1.8	2.1	2.3 2.4	2.3	0.6
	47	11	1.7	1.9	2.3	2.0	1.1	10	1.6	1.8	2.4	1.9	0.7
	48	21	1.9	2.1	2.3	2.5	1.3	11	1.7	1.9	2.3	2.2	0.7
	49	23	1.8	2.0	2.2	3.0	3.0	17	1.6	1.7	2.0	1.8	0.3
	50	14	1.7	1.9	2.1	1.9	0.3	5	1.6	1.7	1.7	1.7	0.2
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	<del>  -</del>	-	0	-	-	-	-	-
	53	0	-		-			0				-	<u> </u>

L	40		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
ļ	e Pd.	Ħ		ercenti				Ħ		ercentil			
Time I	Time	Count	25th	50th	75th	Ava	Std. Dev.	Count	25th	50th		A	Std. Dev.
Y	2013	551	3.1	3.8	4.8	<b>Avg.</b> 4.6	4.4	516	3.1	4.0	<b>75th</b> 4.8	<b>Avg.</b> 4.8	5.3
Ė	Jan	2	2.1	2.5	2.8	2.5	0.7	1	4.7	4.7	4.7	4.7	0.0
	Feb	0	-	-	-	-	-	4	3.8	3.9	4.2	4.0	0.3
	Mar	9	1.8	3.7	3.8	3.3	1.2	6	4.3	4.8	5.8	15.6	24.4
	Apr	24	2.9	3.5	4.9	4.1	2.1	21	3.5	4.1	4.3	6.3	7.3
ے	May	77	2.8	3.4	4.3	3.7	1.5	78	3.5	4.0	5.0	4.3	1.5
Month	Jun	54	3.1	3.3	4.3	4.0	2.8	51	3.3	3.8	4.6	4.1	1.6
Ž	Jul Aug	61 53	3.1	3.5	5.1 4.3	4.5 3.8	3.3 1.7	65 52	3.5 2.8	4.2	5.3 4.6	5.1 5.4	4.4 6.2
	Sep	56	3.0	3.6	4.1	4.1	2.9	57	3.8	4.2	4.7	4.4	2.0
	Oct	83	3.0	3.8	5.4	4.4	2.4	86	3.9	4.3	5.5	5.5	7.1
	Nov	91	3.5	3.9	5.5	5.5	6.3	73	2.1	2.8	3.8	3.3	2.1
	Dec	41	3.8	4.9	7.6	8.2	9.6	22	2.0	2.9	4.1	4.0	3.4
	1	1	1.7	1.7	1.7	1.7	0.0	0	-	-	-	-	-
	2	1	3.2	3.2	3.2	3.2	0.0	1	4.7	4.7	4.7	4.7	0.0
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-			-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	_
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	3	1.7	1.8	2.8	2.4	1.0	5	3.8	4.1	4.6	4.2	0.4
	10	4	3.1	3.6	3.7	3.2	0.9	4	4.0	5.1	22.1	20.9	28.4
	11 12	0	5.5	5.5	5.5	5.5	0.0	1	- E 1		- E 1		-
	13	0	-	-	-	-	-	0	5.1	5.1	5.1	5.1	0.0
	14	1	3.8	3.8	3.8	3.8	0.0	0	-	_	-	-	-
	15	5	1.6	2.0	2.1	2.0	0.6	4	3.8	4.0	4.1	3.9	0.3
	16	3	2.8	2.9	6.9	5.5	3.8	11	3.1	3.5	4.0	3.4	8.0
	17	0	-	-	-	-	-	2	28.0	28.5	28.9	28.5	0.9
	18	32	3.4	4.3	5.5	4.5	1.4	20	3.7	5.0	5.8	5.2	1.4
	19	13	2.8	2.9	3.1	3.3	1.4	16	3.4	3.9	4.2	4.2	1.6
	20	20 19	3.4 2.2	3.6 2.9	4.4 3.5	3.9 2.9	1.0 0.9	19 18	3.5	4.1	4.7 4.5	4.2 4.2	1.1
	22	9	3.1	3.2	4.1	4.2	2.7	9	3.4	3.9	4.3	4.0	1.2
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	27	3.1	3.3	4.3	4.3	3.7	16	3.4	3.9	5.0	4.1	1.5
	25	14	3.2	3.9	5.0	4.3	1.2	24	3.4	3.7	4.5	4.3	1.8
쓩	26	13	2.8	3.1	3.8	3.2	0.7	10	3.0	4.0	4.7	3.8	1.0
Week	27	0	-	-	-	-	-	8	4.2	5.4	6.7	9.2	10.5
	28 29	26 21	3.1	3.4	5.7 5.1	4.1 4.9	2.2 3.8	23 15	3.5	4.1	6.0 5.3	4.9 4.4	2.3 1.6
	30	7	2.3	4.6	5.7	5.6	5.0	16	3.4	4.2	4.4	4.5	1.9
	31	12	3.0	3.7	3.9	3.4	0.9	9	3.8	4.6	5.0	9.0	10.2
	32	12	3.6	3.9	4.4	4.6	2.6	13	3.6	4.0	4.9	7.0	7.5
	33	9	2.4	3.1	3.8	3.4	1.6	9	2.0	2.8	4.2	3.2	1.1
	34	15	3.1	3.7	4.3	3.7	0.8	14	2.7	4.0	4.3	3.6	0.9
	35	12	3.2	3.8	4.2 5.1	3.8	1.5	11	3.1	4.2	4.9	4.1	1.4
	36 37	10 16	2.4 3.3	3.9	5.1 4.3	4.2 4.1	2.3 1.2	14 17	4.0 3.8	4.3	4.8 4.4	4.6 3.9	1.8 0.9
	38	14	2.0	3.2	3.9	4.6	5.2	8	4.1	4.3	4.7	4.2	0.7
	39	11	3.2	3.7	3.8	3.6	0.8	15	3.8	4.1	4.9	4.4	1.5
	40	11	3.3	3.8	4.4	3.9	1.3	15	4.0	5.2	7.0	9.9	16.1
	41	16	2.2	2.8	4.0	3.2	1.3	19	3.9	4.2	4.5	4.1	1.3
	42	26	3.0	3.7	5.0	4.2	2.3	28	3.9	4.4	5.0	4.5	1.7
	43	23	3.6	4.0	5.7	4.9	2.3	20	3.8	4.4	6.4	4.9	2.0
	44 45	15 21	4.1	5.0 4.9	7.1 7.8	5.5 8.4	2.7 11.8	14	3.3	4.1 3.6	5.0	4.6 4.2	2.0
	46	20	3.7	3.9	6.1	8.4 5.4	3.6	13 23	2.9	3.6 2.8	4.5 3.5	2.9	1.0
	47	18	2.4	3.3	3.9	3.6	1.9	12	2.0	2.1	2.2	2.1	0.3
	48	29	3.8	4.0	4.5	4.7	2.3	18	2.2	3.2	3.7	3.9	3.3
	49	23	3.6	4.0	4.7	5.1	3.2	17	2.0	2.7	4.1	4.2	3.8
	50	18	5.6	7.0	12.3	12.1	13.0	5	2.4	3.0	4.2	3.3	1.1
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
ш	53	0	-	-	-	-		0	-	-		-	-

ᆫ	41		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time U	ле Р	Count	Р	ercenti	le	]	Std.	Count	Р	ercentil	е		Std.
Ë	Time l	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	566	1.1	1.2	1.4	1.3	0.8	529	1.6	1.8	2.2	2.0	1.1
	Jan	2	1.1	1.2	1.3	1.2	0.2	1	1.2	1.2	1.2	1.2	0.0
	Feb	0	-	-	-	-	-	3	1.4	1.6	1.6	1.5	0.2
	Mar	7 24	1.2	1.3 1.1	1.5 1.2	1.4	0.3	22	1.7	1.8 1.7	1.9 2.0	1.8 2.1	0.3 1.9
	Apr May	78	1.0	1.0	1.1	1.5	2.0	81	1.5	1.7	2.1	1.9	0.7
뒫	Jun	53	1.0	1.1	1.1	1.1	0.1	51	1.6	1.8	2.1	2.1	1.1
Month	Jul	61	1.0	1.1	1.2	1.1	0.3	60	1.7	1.8	2.1	2.2	1.3
	Aug	54	1.2	1.3	1.5	1.3	0.3	56	1.7	2.0	2.3	2.1	0.7
	Sep	57	1.2	1.3	1.5	1.4	0.2	57	1.7	1.8	2.1	2.0	0.8
	Oct Nov	88 95	1.2	1.3 1.3	1.4	1.3 1.4	0.3	93 76	1.7 1.5	2.0	2.3	2.2	1.0
	Dec	47	1.3	1.4	1.5	1.4	0.3	25	1.4	1.6	1.8	2.0	2.0
	1	1	1.0	1.0	1.0	1.0	0.0	0	-	-	-	-	-
	2	1	1.4	1.4	1.4	1.4	0.0	1	1.2	1.2	1.2	1.2	0.0
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5 6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-		-	H	-	0	-	-	-	-	H
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	3	1.2	1.2	1.2	1.2	0.1	4	1.5	1.6	1.8	1.7	0.4
	10	4	1.4	1.5	1.7	1.5	0.3	3	1.6	1.7	1.8	1.7	0.2
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0		-		H :	-	1	2.7	2.7	2.7	2.7	0.0
	15	5	1.1	1.1	1.2	1.1	0.2	3	1.6	1.7	1.8	1.8	0.2
	16	3	1.1	1.2	1.3	1.2	0.2	12	1.4	1.7	1.9	1.6	0.3
	17	0	-	-	-	-	-	2	1.4	1.4	1.4	1.4	0.0
	18	32	1.0	1.0	1.2	1.8	2.5	21	1.7	1.8	2.1	2.4	1.9
	19 20	13 21	1.0	1.1	1.1	1.0	0.1	17 19	1.5	1.7	1.9 2.1	1.7 1.9	0.4
	21	20	0.9 1.0	1.0	1.1	1.0	2.4	19	1.7	1.8 1.8	2.1	1.8	0.5
	22	8	1.0	1.0	1.1	1.4	1.1	9	1.4	1.5	1.7	2.2	1.5
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	26	1.0	1.1	1.1	1.0	0.1	17	1.5	1.7	2.1	1.8	0.4
	25	14	1.1	1.1	1.2	1.1	0.1	22	1.6	1.8	2.3	2.5	1.6
Week	26 27	13 0	1.0	1.0	1.1	1.0	0.1	11 5	1.6	1.9 1.7	2.0 1.7	1.8 1.8	0.4
š	28	26	0.9	1.0	1.1	1.1	0.4	22	1.7	1.8	2.3	2.7	2.0
	29	19	1.0	1.1	1.2	1.1	0.1	15	1.7	1.8	1.9	1.8	0.2
	30	9	1.0	1.2	1.2	1.1	0.2	16	1.7	1.9	2.1	1.8	0.2
	31	12	1.2	1.3	1.5	1.3	0.2	8	2.0	2.1	2.2	2.1	0.5
	32	12	1.2	1.4	1.5	1.4	0.4	13	1.8	2.1	2.3	2.4	1.1
	33	8 15	1.1	1.2 1.4	1.4	1.3 1.4	0.3	11	2.0 1.8	2.2 1.9	2.3	2.1	0.4
	35	14	1.0	1.4	1.5	1.4	0.2	14	1.4	1.8	2.0	1.7	0.5
	36	12	1.3	1.3	1.6	1.4	0.3	14	1.6	1.9	2.1	1.9	0.5
	37	15	1.2	1.3	1.6	1.4	0.2	17	1.7	1.8	2.0	1.8	0.2
	38	15	1.3	1.3	1.4	1.3	0.2	8	1.7	1.9	2.0	1.9	0.2
	39	12	1.1	1.3	1.5	1.3	0.2	15	1.8	2.0	2.5	2.4	1.4
	40	11 16	1.3	1.5 1.3	1.5 1.5	1.4	0.2	14 19	1.6 1.7	1.8 2.0	2.1	2.0	0.8 1.2
	42	25	1.1	1.3	1.4	1.3	0.3	29	1.6	1.9	2.4	2.4	1.2
	43	23	1.2	1.3	1.4	1.3	0.2	21	2.0	2.0	2.3	2.1	0.4
	44	22	1.2	1.3	1.4	1.3	0.2	21	1.7	1.8	2.1	2.1	0.7
	45	19	1.3	1.4	1.5	1.4	0.2	14	1.7	2.2	2.6	2.4	0.9
	46	22	1.2	1.3	1.4	1.4	0.2	24	1.6	1.7	2.3	1.9	0.6
	47	20	1.1	1.3 1.4	1.4	1.3	0.2	12	1.5	1.6	1.7	1.7	0.4
	48 49	28 25	1.3	1.4	1.6	1.6 1.4	0.8	18 17	1.4	1.5 1.6	1.8 1.8	1.9 1.6	1.2 0.3
	50	21	1.2	1.3	1.4	1.4	0.2	7	1.2	1.6	1.8	2.9	3.5
	51	0	-	-	-	-		0	-	-	-	-	
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	1	1.2	1.2	1.2	1.2	0.0	1	2.6	2.6	2.6	2.6	0.0

L	42		Dov	vnstrea	ım Dire	ction			ı	Jostrear	n Direct	ion	
Unit	-6			vel Tim			ur)					ate (hou	ır)
Ē	e Pd.	ı		ercenti				i i		ercentil			
Time I	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	533	3.1	4.2	7.3	6.2	6.5	493	3.3	4.2	6.1	5.6	5.9
	Jan	2	6.2	11.0	15.7	11.0	9.5	1	47.0	47.0	47.0	47.0	0.0
	Feb	0	-	-	-	-	-	2	3.4	3.4	3.5	3.4	0.1
	Mar	5	8.5	9.3	10.6	8.6	3.0	4	4.9	6.4	8.9	7.4	3.1
	Apr	21	3.2	6.0	9.2	7.3	6.3	19	3.5	4.6	8.3	8.9	10.0
ڃ	May	77	3.0	4.7	7.3	6.2	4.7	77	3.4	4.7	7.5	6.1	4.0
Month	Jun Jul	52 60	2.7	3.4 4.2	6.2 7.5	5.4 6.8	4.6 8.4	50 62	3.4	4.4	6.7 6.4	5.4 8.0	2.8
2	Aug	50	3.3	3.7	7.2	6.4	7.5	49	3.3	4.0	5.2	4.6	2.3
	Sep	56	3.1	3.9	6.7	6.0	6.9	54	3.7	4.0	5.1	5.1	4.6
	Oct	76	3.3	4.0	6.3	5.2	3.4	80	3.8	4.4	5.6	4.7	1.7
	Nov	91	3.5	4.5	6.6	6.7	8.5	72	2.2	3.4	5.3	4.2	2.4
	Dec	43	3.6	4.7	7.4	6.3	4.4	23	2.1	2.8	3.7	3.6	2.9
	1	1	1.5	1.5	1.5	1.5	0.0	0	47.0	47.0	- 47.0	47.0	-
	3	0	20.5	20.5	20.5	20.5	0.0	0	47.0	47.0	47.0	47.0	0.0
ĺ	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	9	1	9.3	9.3	9.3	9.3	0.0	3	3.4	3.5	4.3	3.9	0.7
ĺ	10 11	0	7.1	9.5	10.8	8.4	3.3	3	6.1	7.7	10.0	8.1	3.2
	12	0	-	-	-		-	0	-	-	-	-	
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	5	1.3	1.6	9.2	8.8	11.5	4	3.8	4.0	4.3	4.0	0.5
	16	1	8.4	8.4	8.4	8.4	0.0	9	3.7	4.6	6.1	6.5	4.5
	17	0	-	-	-	-	-	2	35.2	36.3	37.5	36.3	2.2
	18 19	32 12	3.3	5.6 6.4	8.6	6.7 6.7	4.0	20 18	5.7	8.0	9.5	8.3 5.3	5.4 3.2
	20	20	3.1	5.2	7.2 6.5	5.9	5.0 3.3	18	3.2	3.6 4.1	6.1 5.0	4.5	1.7
	21	20	2.8	3.2	8.6	6.5	6.1	17	3.5	4.8	5.8	5.1	2.2
	22	8	3.3	4.5	5.5	4.8	1.7	8	3.1	5.3	13.5	7.7	5.1
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	26	2.7	3.3	5.4	5.0	4.3	20	3.7	4.8	7.8	5.8	2.5
	25	13	3.2	4.1	6.6	5.5	3.5	21	3.4	4.3	5.8	5.4	3.0
Week	26 27	13 0	2.7	2.8	6.0	6.0	5.9	8	2.7 3.8	3.9 13.1	5.6 45.8	4.9 24.6	3.1 24.0
š	28	26	3.0	4.2	6.7	6.0	6.9	21	3.4	4.9	6.4	5.4	2.8
	29	18	2.9	4.7	7.5	5.4	2.7	14	2.6	3.8	5.4	4.1	1.5
ĺ	30	9	3.1	3.6	10.5	13.0	16.4	15	3.5	4.1	6.0	5.5	3.3
1	31	12	3.4	3.8	5.9	4.8	2.6	8	3.5	4.0	4.6	4.3	1.7
ĺ	32	12	3.8	5.0	9.4	7.8	7.4	11	3.7	4.3	5.5	4.7	1.5
1	33	8	1.7	3.0	6.2	8.0	12.4	10	2.8	3.8	4.2	3.5	1.1
ĺ	34 35	14	3.4 2.4	3.5 3.8	5.6 6.0	5.9 5.3	6.4 4.5	14	3.8	4.2	6.1 6.2	5.1 5.3	3.2 2.3
ĺ	36	11	2.5	4.0	10.1	6.3	4.5	15	3.9	4.0	5.5	4.6	1.2
1	37	15	3.3	4.5	6.5	5.3	2.2	15	3.4	3.9	4.6	4.4	1.9
ĺ	38	14	2.8	3.7	6.1	8.1	12.5	8	3.6	3.8	4.7	4.1	1.1
ĺ	39	12	3.1	3.9	6.8	4.9	2.3	13	4.0	4.7	5.2	5.0	2.4
ĺ	40	11	2.3	3.8	4.7	4.1	2.3	15	3.1	3.8	4.7	5.9	8.1
ĺ	41	13	2.4	3.6	7.4	4.6	2.6	16	3.9	4.2	4.5	4.3	1.4
ĺ	42	20	3.5	3.9 4.3	8.4 6.0	6.1 5.3	4.7 2.9	26 20	4.0	4.8 5.1	5.7 7.3	4.8 5.5	1.5 2.2
ĺ	44	18	3.2	4.3	6.6	5.1	2.9	14	2.9	4.8	6.3	5.0	2.7
ĺ	45	18	4.2	6.0	6.6	5.6	2.4	15	3.5	4.0	4.7	4.4	1.9
ĺ	46	22	3.5	3.9	5.7	7.8	14.2	20	2.4	3.3	5.0	3.7	1.8
ĺ	47	19	3.0	3.6	7.8	6.2	5.1	12	2.0	2.3	3.9	3.7	2.7
ĺ	48	26	3.8	4.7	6.5	6.9	7.7	17	2.1	3.2	5.8	4.2	2.3
ĺ	49	24	3.5	4.1	7.3	5.3	2.7	17	2.1	2.8	3.6	3.1	1.7
ĺ	50	17	4.6	6.0	7.6	8.0	5.9	5	2.3	3.3	3.8	5.3	5.0
ĺ	51 52	0	5.1	5.1	5.1	5.1	0.0	0	-	-		-	-
ĺ	53	1	3.5	3.5	3.5	3.5	0.0	1	3.5	3.5	3.5	3.5	0.0
_													

L	43		Dov	vnstrea	ım Dire	ction			ı	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time (	Time F	Count	Р	ercenti	le		Std.	Count	P	ercentil	e		Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	582	1.7	2.1	2.6	2.7	2.2	548	2.5	2.9	3.4	3.3	1.9
	Jan Feb	10	2.3	2.7	2.9	2.8	0.7	3	2.3	2.5	2.6 3.0	2.5	0.3
	Mar	5	2.8	2.5	3.0	2.7	0.5	4	2.8	2.8	3.0	2.8	0.3
	Apr	22	1.5	1.7	1.8	2.3	2.8	23	2.7	3.2	3.5	4.1	3.5
	May	88	1.6	1.7	1.9	2.5	2.5	87	2.7	2.9	3.7	3.3	1.6
Month	Jun	53	1.7	1.8	2.0	2.6	2.8	49	2.7	3.1	3.5	3.3	1.1
Š	Jul	66	1.6	1.7	2.0	1.9	0.9	68	2.7	2.9	3.3	3.2	1.5
	Aug	52 58	1.9 2.2	2.3	2.7	3.1	2.7	54	2.7	3.1 2.9	3.5	3.4	1.7
	Sep Oct	80	2.1	2.3	2.8	3.0	3.0	56 90	2.7	3.0	3.4	3.6	2.8
	Nov	90	2.1	2.3	2.7	2.5	1.1	73	2.4	2.7	3.2	3.0	1.5
	Dec	57	2.2	2.4	3.0	2.9	1.7	33	2.0	2.3	2.6	2.6	1.0
	1	2	2.0	2.3	2.6	2.3	0.6	0	-	-	-	-	-
	2	2	2.6	2.7	2.8	2.7	0.2	3	2.2	2.3	2.4	2.3	0.2
	3 4	3	3.3	2.4 3.8	2.5 4.0	2.4 3.6	0.3	3	2.6	2.6	2.6	2.6	0.0
	5	1	2.3	2.3	2.3	2.3	0.0	1	2.5	2.5	2.5	2.5	0.0
	6	1	2.5	2.5	2.5	2.5	0.0	1	2.5	2.5	2.5	2.5	0.0
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	2.0	2.3	2.6	2.3	0.5	3	2.8	2.9	3.1	2.9	0.2
	10 11	3	2.9	3.0	3.1	3.0	0.2	3	2.7	2.8	2.9	2.9	0.2
	12	0	-	-	-	-	-	0	-	-	-	-	
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	
	15	4	1.5	1.6	1.7	1.5	0.2	4	2.7	2.9	3.1	3.0	0.4
	16	3	1.8	2.0	2.7	2.4	8.0	12	2.9	3.2	3.4	3.5	1.3
	17 18	0 34	1.5	1.7	1.9	3.5	3.9	23	19.9 2.6	19.9 3.2	19.9 3.8	19.9 3.2	0.0
	19	14	1.5	1.7	1.8	1.9	0.8	20	2.8	3.2	4.1	4.1	2.8
	20	24	1.6	1.7	1.8	2.2	2.5	21	2.5	3.0	3.7	3.2	1.0
	21	21	1.5	1.7	1.9	2.2	1.1	20	2.5	2.8	3.0	2.9	0.7
	22	10	1.5	1.7	1.8	1.7	0.2	9	2.7	2.8	3.2	3.0	0.6
	23 24	0 27	1.6	1.8	2.7	3.4	3.8	0 16	2.8	3.0	3.5	3.2	1.1
	25	14	1.7	1.8	2.0	1.8	0.2	20	2.7	3.2	4.1	3.6	1.3
۷	26	12	1.6	1.7	1.9	1.7	0.2	12	2.5	3.1	3.4	3.0	0.5
Week	27	4	1.2	1.5	1.9	1.6	0.4	12	2.7	3.1	3.2	3.2	0.7
_	28	25	1.5	1.7	1.7	1.6	0.2	21	2.6	2.8	3.2	2.9	0.4
	29 30	20 12	1.6 1.8	1.8 1.9	2.0	1.9 2.4	0.8 1.6	17 15	2.5	2.9	3.2	3.6	2.6 0.4
	31	11	1.0	2.2	2.4	3.3	2.8	8	2.7	3.3	5.0	3.0 4.2	1.9
	32	11	2.1	2.5	2.8	2.8	1.1	11	2.8	3.2	3.4	3.0	0.5
	33	8	1.9	2.3	2.6	2.3	0.5	13	2.5	3.2	3.4	3.1	0.7
	34	15	2.1	2.3	2.5	2.8	2.0	14	3.1	3.8	4.1	4.4	2.8
	35	12	1.7	2.1	3.2	3.7	4.2	12	2.6	2.8	3.1	2.8	0.4
	36 37	11 15	2.3	2.5 2.4	3.0 2.7	3.5 2.7	2.4 1.1	16 13	2.7	2.9	3.2	3.0 2.8	0.7
	38	16	2.2	2.4	2.7	2.6	0.8	10	2.7	3.0	3.1	3.1	0.8
	39	13	2.0	2.5	3.0	3.4	3.0	15	2.5	2.9	3.3	2.9	0.5
	40	12	2.1	2.3	2.8	2.7	1.2	18	2.7	2.9	3.4	4.6	4.4
	41	15	2.1	2.5	3.0	3.2	2.4	16	2.7	3.3	3.5	4.2	4.4
	42 43	22	1.9 2.2	2.3	2.6	3.3 2.9	4.3 1.9	27 21	2.7	3.0	3.3	3.4 3.5	2.3
	43	17	2.0	2.4	2.3	3.1	2.8	19	2.6	3.1	3.7	3.3	0.9
	45	16	2.1	2.3	2.7	2.4	0.4	11	2.4	2.8	3.0	2.8	0.8
	46	20	2.1	2.3	2.6	2.3	0.4	22	2.4	2.7	3.2	2.7	0.5
	47	21	1.9	2.2	2.6	2.7	1.8	14	2.2	2.5	3.2	3.8	2.9
	48	26	2.3	2.4	2.7	2.7	1.0	17	2.4	2.6	2.8	2.6	0.4
	49 50	26 20	2.3	2.5 2.4	2.7 3.0	2.8 3.1	1.4 2.1	18 8	1.9 2.1	2.2	2.3	2.4	1.0
	51	4	2.1	3.6	4.6	3.1	1.6	0	Z.1 -	2.5	2.7	2.9	1.3
	52	4	2.3	2.9	3.5	2.9	0.8	6	2.5	2.6	2.6	2.8	0.6
	53	3	2.3	2.3	2.5	2.4	0.2	1	2.3	2.3	2.3	2.3	0.0

L	44		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit	-6			vel Tim			ur)					ate (hou	ır)
e U	e Pd.	ınt	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	529	3.2	3.9	5.4	5.8	6.5	506	3.4	4.1	5.3	5.0	4.5
	Jan	8	3.5	4.0	6.4	5.0	2.5	7	3.1	3.3	3.6	3.5	0.7
	Feb	2	3.5	3.5	3.6	3.5	0.0	3	3.5	3.5	3.7	3.6	0.2
	Mar	4 18	3.4 2.5	4.0 3.0	4.7 5.8	4.0 5.4	1.6 4.7	4 27	3.4	3.6 4.0	3.8 8.6	3.6 6.8	0.4 4.6
	Apr May	81	3.0	3.5	5.4	5.1	4.1	77	3.5	4.2	5.8	5.1	2.6
Month	Jun	49	3.2	4.3	13.1	9.6	9.4	41	3.8	4.8	10.2	8.5	10.4
₽	Jul	56	3.1	3.4	4.6	4.8	4.3	62	3.5	3.9	4.8	4.6	2.5
	Aug	50	3.1	3.6	4.6	5.1	6.8	51	2.8	4.2	4.7	5.1	7.1
	Sep Oct	53 73	3.4	3.8	4.3 5.3	5.3 5.2	6.3 6.6	50 82	3.9	4.3	5.1 5.7	4.5 4.9	1.6 2.0
	Nov	82	3.7	4.1	5.5	6.1	8.3	70	2.6	3.6	5.0	4.1	2.1
	Dec	53	3.6	4.3	7.3	6.2	4.9	32	2.0	2.5	3.5	3.5	2.8
	1	2	3.7	5.7	7.8	5.7	4.2	0	-	-	-	-	-
	2	1	3.7	3.7	3.7	3.7	0.0	2	3.5	3.6	3.6	3.6	0.1
	3 4	3	3.7 4.9	3.9 6.2	4.1 6.6	3.9 5.6	0.4 1.5	3	3.3	3.3	3.3 4.1	3.3 3.6	1.0
	5	1	3.5	3.5	3.5	3.5	0.0	1	2.9	2.9	2.9	2.9	0.0
	6	1	3.6	3.6	3.6	3.6	0.0	1	3.5	3.5	3.5	3.5	0.0
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	- 0.7	-	-	-	-
	9 10	2	2.3 4.7	2.8 5.3	3.4 5.8	2.8 5.3	1.1	3	3.7	3.8	4.0 3.6	3.8	0.3
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	- 4.0	-
	15 16	3	1.9 2.3	2.2 3.1	2.6 4.3	2.3 3.4	0.5 1.6	13	3.9	4.0 3.8	4.1 4.2	4.0	0.2 1.4
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	31	3.0	4.5	9.3	6.4	4.0	24	5.1	8.5	11.1	8.8	4.3
	19	10	2.9	3.4	4.5	4.7	3.7	16	3.4	3.8	4.2	4.7	3.1
	20	22 19	3.0 2.8	4.1 3.3	5.4 3.5	4.7	2.7 6.4	18 18	3.7	4.3	5.4 4.5	4.4 4.5	1.3 2.7
	22	10	2.8	3.5	6.2	5.0	3.1	11	3.6	4.7	5.9	5.0	1.9
	23	0		-	-	-	-	0	-	-	-	-	-
	24	26	8.5	12.6	19.8	12.8	7.3	17	4.8	11.3	15.1	10.8	7.1
	25	13	3.2	3.2	4.3	7.9	13.1	16	3.7	4.1	5.2	8.2	14.5
Week	26 27	10 2	3.1 8.1	3.3 13.2	3.6 18.2	3.6 13.2	0.9 10.2	7 11	3.8	3.9	4.4 4.2	4.0 4.7	1.0 2.8
8	28	22	2.9	3.1	3.4	3.4	1.1	18	3.4	4.0	4.6	4.0	1.1
	29	17	3.2	3.4	3.7	4.5	3.8	15	3.4	3.8	3.9	3.9	0.9
	30	10	3.9	4.7	5.7	6.4	5.6	15	3.8	4.3	6.4	5.8	3.6
	31 32	11	3.1	3.5 4.2	4.2 5.9	4.2 5.2	2.1	7	3.2	4.7	5.5 5.9	4.7 8.3	2.0 13.4
	33	9	3.6	4.0	4.5	4.2	1.0	13	2.8	4.7	6.0	4.6	1.8
	34	15	3.2	3.6	4.9	6.6	11.0	11	2.5	3.6	4.5	3.5	1.3
	35	10	2.1	3.2	3.9	4.9	6.1	11	3.8	4.3	4.4	3.8	1.0
	36 37	11	3.9	4.0	4.3	5.8 4.4	6.3 1.3	14 12	4.1 4.1	4.2	4.6 4.6	4.4 4.7	1.0
	38	15	3.3	3.6	3.9	4.4	4.0	10	4.1	4.3	5.0	4.7	1.1
	39	10	3.4	3.7	4.9	7.8	11.4	12	2.4	4.2	5.9	4.7	2.5
	40	11	2.3	4.3	4.8	3.6	1.5	15	3.7	4.1	4.6	4.2	1.6
	41	13	3.5	3.8	4.2	4.2	2.2	15	4.2	4.8	6.9	5.6	2.6
	42 43	19 25	3.5	3.8 4.0	4.9 5.5	4.4 5.1	2.6 3.3	24	3.9 4.0	4.2	5.4 6.3	4.9 4.8	1.5 1.5
	44	14	3.4	3.9	6.0	10.7	15.8	17	3.3	4.5	5.9	5.0	2.6
	45	13	3.8	4.3	4.6	4.3	0.6	13	3.2	3.7	3.8	3.8	1.3
	46	17	3.4	4.0	6.1	8.3	14.6	19	2.8	4.0	5.9	4.5	2.0
	47 48	19 27	3.5	4.2 3.9	5.3 5.0	4.8 5.3	2.2 4.4	15 16	2.2	3.2	4.8 4.0	4.2 3.3	3.1 1.3
	49	25	3.6	3.7	4.2	4.8	4.4	18	1.9	2.3	3.7	3.0	1.7
	50	19	4.1	5.3	7.5	7.0	5.4	7	2.1	2.5	3.0	4.4	4.9
	51	4	2.6	3.9	5.0	3.7	1.4	1	4.2	4.2	4.2	4.2	0.0
	52	3	11.9	12.0	12.2	12.1	0.3	6	2.6	3.3	3.4	3.5	1.5
Ш	53	2	10.6	11.7	12.7	11.7	2.1	0	-	-	-	-	-

L	45		Dov	vnstrea	m Dire	ction			Į	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (ho	ır)
le U	e P	ınt	Р	ercenti	le		Std.	ınt	P	ercentil	е		Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	547	2.5	2.9	3.5	3.8	3.1	516	3.2	3.7	4.4	4.4	3.0
	Jan	8	3.1	3.5	4.4	5.4	4.6	8	3.1	3.4	3.7	3.7	1.2
	Feb	1	3.6	3.6	3.6	3.6	0.0	4	3.5	3.6	4.2	4.1	1.0
	Mar	3	2.9	3.5	3.8	3.3	0.8	4	3.1	3.4	3.7	3.4	0.7
	Apr May	15 86	2.5	3.8 2.4	13.3	7.3 2.7	5.6 1.4	26 75	3.7	4.5 3.8	6.2 4.5	6.3 4.2	4.1 1.7
듚	Jun	49	2.4	2.7	2.9	4.0	4.8	36	3.6	4.2	5.7	6.1	4.7
Month	Jul	59	2.4	2.8	3.8	3.9	3.1	64	3.4	3.8	4.5	5.7	5.5
	Aug	55	2.4	2.8	3.4	3.3	1.6	51	3.3	3.8	4.0	4.1	2.6
	Sep	59	2.7	3.3	4.0	3.8	1.9	54	3.2	3.5	4.0	3.5	0.7
	Oct	77	2.7	3.1	3.4	4.1	3.8	89	3.2	3.8	4.9	4.3	2.2
	Nov Dec	80 55	2.8	3.2	3.8	3.9 4.0	2.5 3.4	72 33	2.8	3.5 2.8	3.9 3.1	3.6 2.9	0.9
	1	2	6.9	10.3	13.7	10.3	6.8	1	3.2	3.2	3.2	3.2	0.0
	2	1	2.8	2.8	2.8	2.8	0.0	2	3.8	4.8	5.8	4.8	2.0
	3	2	2.9	3.0	3.1	3.0	0.2	1	3.5	3.5	3.5	3.5	0.0
	4	3	3.6	3.8	5.0	4.5	1.2	3	3.4	3.5	3.9	3.7	0.5
	5	0	3.6	3.6	3.6	3.6	0.0	1	2.6	2.6	2.6	2.6	0.0
	6 7	0	-	-	-	-	-	0	3.4	3.4	3.4	3.4	0.0
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	1	2.3	2.3	2.3	2.3	0.0	3	3.6	3.7	4.8	4.4	1.1
	10	2	3.7	3.8	4.0	3.8	0.3	4	3.1	3.4	3.7	3.4	0.7
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	3	2.1	2.2	2.4	2.3	0.2	3	3.7	3.8	4.6	4.3	0.8
	16	3	2.4	2.4	2.5	2.4	0.1	13	3.6	3.8	4.2	4.4	2.1
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	31	2.2	2.6	4.4	5.0	4.7	23	4.3	5.1	7.0	6.9	3.9
	19	13 22	2.3	2.5	2.9	2.9	1.4	18 17	3.6	3.9	4.4 4.2	4.0	0.6
	20 21	18	2.3	2.3	2.5	2.4 3.1	0.3 2.2	17	3.3	3.7 3.6	3.8	3.8	2.4 1.1
	22	11	2.4	2.6	2.8	2.7	0.7	10	3.0	3.5	3.8	4.0	2.1
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	26	2.3	2.5	2.7	4.4	6.1	12	4.5	9.4	15.4	10.3	6.2
	25	10	2.6	2.7	2.8	2.7	0.4	14	3.4	3.9	4.4	4.1	1.1
Week	26 27	13 2	2.8	2.9	3.0 2.7	4.2 2.6	3.4 0.3	9	3.3	3.8 4.3	4.7 5.5	4.2 8.8	1.4 9.6
š	28	23	2.4	3.1	5.9	5.0	4.0	18	3.4	3.6	6.0	6.3	5.2
	29	17	2.4	2.6	2.8	2.5	0.3	16	3.4	3.7	4.7	5.2	3.8
	30	11	2.7	2.8	4.3	3.7	1.6	16	3.4	3.7	4.3	4.0	0.8
	31	14	2.7	3.1	3.9	4.1	2.9	7	3.3	3.8	3.9	3.5	0.6
	32	11	2.7	3.3	4.4	3.8	1.7	13	3.6	3.8	4.0	3.9	0.8
	33 34	10 17	2.4	2.5 3.0	3.3	2.8 3.6	0.7 2.0	13	3.7 2.5	4.2 3.6	4.4 3.9	5.4 3.3	4.7 0.8
	35	9	2.3	2.5	2.7	2.6	0.5	11	3.1	3.3	3.7	3.9	1.4
	36	13	2.8	3.3	4.7	4.3	2.3	15	3.3	3.4	4.2	3.7	0.6
	37	15	2.8	3.3	3.8	3.8	2.1	15	2.7	3.3	3.9	3.5	0.9
	38	18	2.7	3.3	3.8	3.5	1.0	12	3.2	3.6	3.9	3.5	0.6
	39 40	10 10	2.4	3.2	3.8	3.1	0.9 2.1	11 16	3.1	3.6 3.7	3.8 4.7	3.4 5.1	0.6 4.1
	40	15	2.4	3.0	3.3	3.3	1.2	18	2.9	4.0	4.7	5.1 4.2	1.8
	42	21	2.7	3.0	3.4	3.9	3.3	24	2.9	3.8	4.5	4.0	1.4
	43	26	2.8	3.2	3.5	4.6	4.8	21	3.5	4.0	5.2	4.3	1.1
	44	12	2.5	2.9	3.1	4.2	4.4	17	3.3	3.6	4.1	4.0	1.2
	45	12	3.0	3.5	4.1	3.8	1.2	14	2.7	3.5	3.7	3.5	0.8
	46 47	16 20	3.2 2.6	3.5 2.9	4.5 3.1	4.6 3.4	3.0	19	3.1 2.7	3.7	4.1	3.8	1.0 1.0
	47	28	2.6	3.3	3.1	4.2	2.0	16 17	2.7	3.5 3.3	4.0 3.7	3.5 3.3	0.7
	49	24	3.1	3.4	3.7	4.0	3.6	18	2.4	2.7	3.4	2.9	0.6
	50	18	2.9	3.3	3.6	4.4	4.1	6	2.7	2.8	3.0	2.8	0.3
	51	5	2.9	3.8	4.3	4.0	1.3	1	3.1	3.1	3.1	3.1	0.0
	52	5	2.8	2.9	3.2	3.0	0.3	8	2.7	2.8	3.0	2.9	0.3
Ш	53	3	2.4	2.6	2.7	2.5	0.3	0	_		-	_	-

L	46		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	-6			vel Tim			ur)				ne Estim		ur)
e U	ie Pd.	Count	P	ercenti	le		Std.	Count	Р	ercentil	е		Std.
Time	Time	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	444	3.1	3.8	4.7	5.3	8.3	414	2.9	3.8	4.5	5.6	9.1
	Jan	9	3.5	4.0	5.5	7.7	10.0	8 4	3.1	3.2	3.6	4.8	4.0
	Feb Mar	4	18.9 3.2	33.6	48.3 3.8	33.6	29.4 0.9	3	3.4	3.5 3.5	3.6 3.5	3.5	0.3
	Apr	16	2.8	4.3	7.5	4.9	2.7	30	3.8	4.8	7.9	9.8	14.4
ے	May	17	2.9	3.3	5.0	8.0	10.6	8	3.2	4.2	44.0	22.5	25.8
Month	Jun	10	4.8	6.0	8.4	11.7	12.5	2	4.9	5.1	5.3	5.1	0.4
Ž	Jul Aug	59 51	2.8	3.3	4.0	3.6	1.4 3.8	55 54	3.2 2.9	3.8	4.4 4.4	4.0 5.5	1.7 9.6
	Sep	63	2.1	3.6	4.0	4.0	5.4	60	3.0	4.0	4.4	3.9	1.5
	Oct	80	3.4	3.9	5.5	6.2	10.6	95	3.6	4.0	5.0	5.2	6.4
	Nov	73	3.5	3.8	4.9	5.7	9.5	57	2.5	3.4	4.0	6.5	12.3
	Dec 1	60 3	3.5	3.9 5.5	5.0 20.6	5.2 14.4	7.2 15.2	38 1	1.9 3.8	2.4 3.8	3.5 3.8	3.8	6.1 0.0
	2	1	3.5	3.5	3.5	3.5	0.0	2	6.2	9.2	12.3	9.2	6.2
	3	2	3.5	3.6	3.6	3.6	0.1	1	3.5	3.5	3.5	3.5	0.0
	4	3	4.5	5.0	5.6	5.1	0.9	3	3.0	3.2	3.2	3.1	0.2
1	5 6	0	-	-	-	-	-	1	3.0	3.0	3.0	3.0	0.0
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	3	3.0	4.3	33.6	23.0	28.3	3	3.5	3.5	3.7	3.6	0.3
	10 11	3	3.7	3.8	3.8	3.8	0.1	3	3.4	3.5	3.5	3.4	0.1
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	3	2.1	2.3	2.6 4.0	2.4 3.3	0.4 1.6	13	3.4	3.6 3.8	3.8 4.9	3.6 4.6	0.2 1.3
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	15	3.9	5.0	8.8	6.1	2.6	14	5.5	9.7	17.7	20.4	22.9
	19	3	2.5	2.7	20.7	14.6	17.1	2	12.8	21.6	30.3	21.6	17.5
	20	5 3	3.1	3.2 4.9	3.8 19.5	3.4 13.9	0.5 14.2	3	3.0	2.1 3.4	2.1 3.9	2.1 3.4	0.0
	22	1	3.3	3.3	3.3	3.3	0.0	1	58.7	58.7	58.7	58.7	0.0
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	8	5.9	7.0	13.6	13.7	13.2	1	5.5	5.5	5.5	5.5	0.0
	25 26	2	3.3	3.7	4.1	3.7	0.8	0	4.7	4.7	4.7	4.7	0.0
Week	27	2	2.0	2.4	2.7	2.4	0.7	2	3.6	3.8	4.1	3.8	0.5
>	28	23	2.8	3.7	4.5	3.7	1.2	18	3.3	4.0	4.6	4.4	2.1
	29	16	2.8	3.1	3.3	3.0	0.7	17	3.1	3.5	3.9	3.5	0.9
	30	12	2.9	3.7	4.4 3.8	3.9	1.4 2.0	14 7	2.8	4.1 3.7	4.6 4.1	4.2 3.7	1.8
	32	10	3.4	3.7	4.3	3.9	0.9	15	3.7	4.1	4.5	10.2	16.9
	33	9	1.9	3.7	4.2	6.1	8.3	15	2.9	4.0	4.3	4.2	3.0
	34	16	3.2	3.5	3.9	3.7	1.1	10	1.9	3.1	4.5	3.3	1.5
1	35 36	9	1.7 2.5	1.8 3.8	3.2 4.2	2.4 3.6	1.0	11 17	3.4	3.8 4.2	4.0 4.7	3.6 4.2	1.0
	37	18	1.9	3.5	3.8	3.0	1.0	17	2.1	3.6	4.0	3.3	1.0
	38	19	2.7	3.5	4.0	3.4	1.0	14	3.5	4.2	5.2	4.3	1.7
	39	9	2.2	3.1	3.8	3.0	0.9	11	3.0	3.8	4.6	4.0	1.6
1	40	9 16	2.3 3.1	3.6	4.0	7.9 4.1	13.5 1.6	19 20	3.6	3.9 4.4	4.8 5.7	8.1 4.5	13.0 1.9
1	42	22	3.3	3.6	4.3	3.7	1.4	24	2.9	4.0	4.2	3.6	1.1
1	43	25	3.7	4.9	5.7	7.9	13.3	21	3.7	3.8	7.3	5.1	2.7
1	44	19	3.4	4.7	7.0	8.7	14.8	19	3.6	3.9	5.3	8.1	14.7
1	45 46	17 15	3.8	4.1 3.8	5.1 4.0	7.8 3.8	12.0 1.2	15 19	3.3 2.5	3.6 2.8	3.9 4.2	6.6 3.7	11.9 1.8
1	47	7	2.7	3.3	3.5	3.1	0.7	8	1.8	2.5	6.4	10.3	16.8
1	48	26	3.8	3.9	5.1	6.9	12.1	8	2.7	3.5	4.0	3.6	1.5
1	49	24	3.6	3.9	4.2	4.0	1.3	18	1.9	2.9	3.6	3.0	1.1
1	50 51	19 g	3.5	3.8	6.2	3.8	1.0	7	1.9	2.0	3.1	7.7	13.4
1	51 52	8 5	1.7 1.8	2.8 5.0	6.2 7.7	3.8 15.0	2.2	3 9	1.8 2.3	1.9 2.4	2.0 3.3	1.9 2.7	0.2
L	53	4	9.2	9.3	9.6	9.5	0.5	1	5.8	5.8	5.8	5.8	0.0
_		_							_	_	_		

L	47		Dov	wnstrea	m Dire	ction			Ų	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	avel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je L	ле Р	Count	Р	ercenti	le	1	Std.	Count	P	ercentil	е		Std.
Time l	Time	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	372	3.2	3.6	4.1	4.0	2.3	338	3.8	4.6	5.4	5.0	2.3
	Jan	9	4.0	4.3	4.4	4.3	0.5	8	3.7	3.9	4.0	4.0	0.3
	Feb	1	4.7	4.7	4.7	4.7	0.0	4	4.0	4.0	4.4	4.3	0.6
	Mar	6 11	3.5 2.5	3.7 2.8	3.8	3.7	0.5 3.3	6 19	4.7	5.0 4.9	5.4 5.7	6.7 5.2	3.9 1.4
	Apr May	1	3.8	3.8	3.8	3.8	0.0	0	4.0	4.9	5.7	-	1.4
뒫	Jun	2	3.2	3.3	3.4	3.3	0.2	1	28.3	28.3	28.3	28.3	0.0
Month	Jul	16	3.3	3.5	6.7	6.7	6.9	10	4.4	5.0	5.4	6.3	4.2
	Aug	53	2.9	3.3	3.9	3.8	2.0	49	4.0	4.8	5.4	5.1	2.3
	Sep	63	3.2	3.5	4.2	3.7	0.9	60	4.0	4.8	5.5	5.1	1.6
	Oct Nov	85 67	3.2	3.6	4.1	3.9 4.1	1.9 2.6	97 48	4.0 3.6	4.9	5.6 5.2	5.1 4.4	1.9
	Dec	58	3.2	3.7	4.2	3.7	0.7	36	3.2	3.5	4.3	3.9	1.0
	1	2	4.6	4.8	4.9	4.8	0.3	1	3.7	3.7	3.7	3.7	0.0
	2	2	4.1	4.2	4.3	4.2	0.2	2	3.8	3.8	3.9	3.8	0.2
	3	2	3.6	3.8	3.9	3.8	0.3	1	3.8	3.8	3.8	3.8	0.0
	4	3	4.2	4.3	4.8	4.5	0.5	3	4.0	4.0	4.4	4.2	0.4
	5 6	0	-	-	-	-	-	1	3.9 4.0	3.9 4.0	3.9 4.0	3.9 4.0	0.0
	7	0	-	-	-		-	0	-	-	4.0	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	3	3.2	3.7	4.2	3.7	0.8	3	4.0	4.1	4.7	4.4	0.7
	10	3	3.8	3.8	4.2	4.0	0.4	4	4.7	4.8	7.6	7.4	4.6
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	3.4	3.4	3.4	3.4	0.0	1 0	5.6	5.6	5.6	5.6	0.0
	14	3	2.6	3.3	3.6	3.1	0.9	1	4.9	4.9	4.9	4.9	0.0
	15	3	2.5	2.7	2.8	2.6	0.2	5	4.0	4.0	4.0	4.2	0.3
	16	4	2.6	2.8	2.9	2.7	0.3	13	4.7	5.0	6.1	5.5	1.5
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18 19	1	14.0	14.0	14.0	14.0	0.0	1	5.8	5.8	5.8	5.8	0.0
	20	0	-	-	-	<del>-</del>	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	1	3.8	3.8	3.8	3.8	0.0	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	1	3.5	3.5	3.5	3.5	0.0	0	-	-	-	-	-
	25 26	1	3.1	3.1	3.1	3.1	0.0	0 1	28.3	28.3	28.3	28.3	0.0
Week	27	1	29.9	29.9	29.9	29.9	0.0	0	-	-	-	-	-
≥	28	8	3.5	4.6	6.7	6.2	4.4	4	4.6	4.9	8.5	8.2	6.1
	29	0	-	-	-	-	-	0	-	-	-	-	-
	30	2	3.7	3.8	3.8	3.8	0.2	2	4.2	4.6	5.0	4.6	0.8
	31	12	3.1	3.3	3.6	3.6	1.1	9	5.0	5.4	6.5	5.5	1.0
	32	11 8	3.1	3.8	4.1 5.1	3.6 4.7	0.6 2.4	11	4.4	5.3 5.1	5.8 5.5	5.2 5.9	1.1 3.9
	34	16	3.1	3.5	4.1	4.3	2.9	9	3.4	4.3	5.3	4.5	1.5
	35	11	2.8	3.0	3.3	3.1	0.7	11	4.0	4.3	4.6	4.2	0.6
	36	14	3.6	4.2	5.1	4.4	1.1	17	4.5	5.1	5.5	5.3	1.5
	37	18	2.9	3.2	3.6	3.3	0.5	17	3.6	4.3	4.9	4.3	0.8
	38	19 9	3.4 2.8	3.8	4.2 3.8	3.8	0.7	14 11	4.1 4.2	5.1 5.3	6.3 6.4	5.3 5.7	1.5 2.4
	40	12	3.1	3.6	4.0	3.5	0.9	19	4.0	4.7	5.1	4.6	0.8
	41	16	3.1	3.7	4.1	4.1	2.1	22	4.2	5.2	5.3	5.3	1.9
	42	22	3.2	3.7	3.8	3.8	2.1	22	3.6	4.4	5.4	4.6	1.1
	43	25	3.3	3.7	4.1	4.1	2.1	22	4.5	4.9	5.8	5.6	2.6
	44	19	3.2	3.4	3.7	3.5	1.2	18	4.4	4.9	5.9	5.3	2.0
	45 46	19 15	3.5	3.7	4.2 4.1	4.2 4.9	2.0 4.7	13 18	3.4	4.0	4.9 5.4	4.2 4.7	0.9 1.0
	46	5	3.2	3.5	3.5	3.4	0.2	7	3.7	3.6	4.0	3.7	0.6
	48	22	3.7	3.8	4.0	3.9	0.5	5	3.2	3.7	3.8	3.9	0.9
	49	24	3.2	4.0	4.2	3.9	0.8	19	3.3	3.9	4.4	4.1	1.2
	50	20	3.3	3.7	4.0	3.7	0.7	5	3.2	3.5	4.2	3.6	0.5
	51	8	3.1	3.6	4.3	3.7	0.7	3	3.3	3.5	4.0	3.7	0.6
	52	2	3.4	3.4	3.5	3.4	0.1	8	3.3	3.5	3.8	3.6	0.5
	53	4	2.9	3.2	3.7	3.4	0.7	1	4.4	4.4	4.4	4.4	0.0

L	48		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ا ا	le P	T T	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	419	2.9	3.8	4.8	5.0	7.4	409	3.2	4.1	5.1	4.8	5.9
	Jan	9	3.8	3.9	5.3	5.7	3.7	6	3.4	3.4	3.5	3.6	0.6
	Feb	2	4.5	5.4	6.3	5.4	1.7	4	3.4	3.5	3.8	3.7	0.4
	Mar	32	2.7	3.5	4.1	4.9	7.8	44	3.6	3.8	4.4	5.8	9.8
	Apr May	27 1	1.9 6.0	3.2 6.0	4.0 6.0	3.2 6.0	1.4 0.0	49	3.8	4.2	4.6 4.5	4.2	0.9
튀	Jun	3	2.6	3.6	3.6	2.9	0.9	0	-	-	-	-	-
Month	Jul	11	3.1	3.6	4.6	9.5	18.9	10	3.4	4.2	7.2	16.1	24.0
	Aug	55	2.4	3.5	4.2	4.0	4.7	49	2.3	4.3	4.5	4.5	5.0
	Sep	63	2.5	3.7	4.6	4.3	3.5	60	3.6	4.3	5.1	4.5	1.7
	Oct	85	3.2	3.9	5.0	6.2	11.1	96	3.8	4.8	6.1	5.1	2.3
	Nov Dec	70 61	3.4	3.9 4.3	4.8 6.1	4.1 5.9	1.4 7.5	52 37	2.4	3.7 2.6	4.6 3.3	4.2 2.9	3.9 1.5
	1	2	7.9	10.5	13.1	10.5	5.2	1	4.8	4.8	4.8	4.8	0.0
	2	1	3.8	3.8	3.8	3.8	0.0	1	3.4	3.4	3.4	3.4	0.0
	3	3	3.8	3.8	3.9	3.8	0.1	1	3.3	3.3	3.3	3.3	0.0
	4	3	3.9	4.1	5.7	5.1	1.7	3	3.2	3.4	3.5	3.3	0.3
	5	1	3.7	3.7	3.7	3.7	0.0	0	-	-	-	-	
	6	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	4.5	5.4	6.3	5.4	1.8	4	3.5	4.0	4.6	4.2	0.8
	10	4	3.5	4.0	4.4	3.8	0.7	5	3.6	3.8	4.1	16.1	25.7
	11	9	3.3	3.7	4.9	8.2	13.9	9	3.4	3.6	4.1	3.8	0.8
	12	8	2.8	3.1	3.5	3.1	8.0	10	3.7	4.0	4.3	4.3	1.0
	13	8	2.1	3.5	3.7	3.1	0.9	17	3.8	4.0	4.6	5.1	4.5
	14	12	2.5	3.2	3.9	3.7	2.5	18	3.4	3.8	4.7	4.0	1.2
	15 16	13 4	1.9 2.9	2.8 3.3	4.1 3.7	3.2	1.7 1.1	21 12	3.6 4.0	4.2	4.4 4.6	4.1 4.5	1.0
	17	0	-	-	-	-	-	0	-	-	-	-	1.0
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	1	6.0	6.0	6.0	6.0	0.0	2	3.6	4.0	4.5	4.0	0.9
	23 24	1	3.6	3.6	3.6	3.6	0.0	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
ای	26	2	2.1	2.6	3.1	2.6	1.0	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
^	28	3	3.7	4.2	4.6	4.1	0.7	2	59.3	63.5	67.7	63.5	8.4
	29	0	-	-	-	-	-	0	-	-	-	-	-
	30 31	2 15	19.8	36.2	52.6 4.2	36.2	32.8 1.3	2 12	3.4	3.5 4.2	3.6 4.7	3.5 6.8	9.4
	32	9	2.8	3.8	4.2	7.4	10.7	10	3.6	4.5	4.8	4.3	1.2
	33	10	2.3	3.5	4.0	3.2	1.1	14	2.4	3.8	4.4	3.6	1.6
	34	15	2.8	3.5	4.0	3.5	0.9	9	1.6	2.3	4.5	3.1	1.5
	35	12	1.9	3.1	4.5	3.3	1.5	10	4.1	4.3	4.8	4.3	0.9
	36	14	2.4	4.0	4.2	3.5	1.2	17	4.1	4.9	5.3	5.1	1.7
	37	18	3.3	3.8	5.2	5.0	4.0	16	3.4	4.0	5.1	4.6	2.0
	38	19 9	3.0 1.7	3.8	4.7 3.6	3.8 2.9	1.3 1.1	14 12	3.7 2.9	4.2	4.7 4.8	4.2 4.1	1.4
	40	12	2.5	4.3	5.6	10.0	15.5	18	3.9	5.0	6.1	5.5	2.6
	41	16	2.3	3.7	4.2	3.2	1.1	23	4.0	4.8	6.5	5.0	1.8
	42	21	1.9	3.6	4.1	3.7	2.1	21	3.6	4.0	4.8	4.0	1.3
	43	25	3.7	4.3	5.3	5.3	3.8	22	3.6	5.2	7.5	5.5	2.9
	44	20	3.1	4.0	5.3	9.9	18.3	17	3.2	5.2	6.1	5.1	2.4
	45	22	3.7	4.3	5.2	4.5	1.8	16	3.6	4.6	5.5	6.0	6.3
	46 47	14 6	3.5 2.2	3.9	5.0 3.6	4.1 2.9	1.1 0.8	19 8	2.5 1.8	3.5 1.9	4.1 2.1	3.5 2.3	1.2 0.9
	48	22	3.6	4.1	5.2	4.3	1.2	5	1.8	4.8	5.3	3.9	1.8
	49	25	3.5	3.8	5.4	5.0	3.1	19	1.9	2.7	3.0	2.8	1.1
	50	21	3.8	4.3	5.3	4.3	1.5	5	2.2	2.3	3.0	3.1	1.6
	51	9	4.3	4.8	9.1	11.6	17.3	3	3.5	4.6	6.7	5.3	2.6
	52	2	2.0	2.0	2.0	2.0	0.0	9	1.8	2.1	3.3	2.5	8.0
	53	4	8.8	9.5	9.9	9.1	1.0	1	2.4	2.4	2.4	2.4	0.0

L	49		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
<u>و</u>	e P	ınt	Р	ercenti	le		Std.	ţ	Р	ercentil	le		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	278	2.4	2.8	3.2	3.4	3.2	283	3.3	3.8	4.4	4.4	3.0
	Jan	9	3.0	3.4	3.6	3.2	0.6	7	3.2	3.4	3.6	3.4	0.3
	Feb	1	3.2	3.2	3.2	3.2	0.0	2	3.4	3.4	3.4	3.4	0.0
	Mar	29	2.2	2.4	2.9	3.3	4.3	36	3.5	4.0	4.6	4.6	3.9
	Apr	13	2.3	2.7	3.0	6.0	8.3	17	3.4	3.9	4.2	3.9	0.6
₽	May Jun	9	1.9	2.0	2.1	2.0 3.6	0.2 4.2	3	3.8	4.0 4.1	5.8 4.1	5.1 3.9	0.2
Month	Jul	0	-	-	-	-	-	0	-	-	-	-	-
-	Aug	14	2.3	2.6	2.9	2.5	0.6	12	3.0	4.2	9.4	8.0	8.2
	Sep	62	2.6	2.9	3.4	3.5	2.7	62	3.2	3.7	4.1	4.2	2.2
	Oct	80	2.5	2.9	3.2	2.9	8.0	93	3.5	4.1	4.7	4.6	2.7
	Nov	50	2.5	2.8	3.3	3.0	0.6	46	2.9	3.5	4.3	3.7	1.0
	Dec	7	3.3	4.2	7.2	8.0	8.5	2	3.8	3.8	3.9	3.8	0.1
	2	1	2.1	2.6 3.5	3.1	2.6 3.5	1.0 0.0	2	3.1	3.1	3.1 3.5	3.1 3.3	0.0
	3	3	3.5 2.9	3.0	3.5	3.1	0.0	1	3.1	3.3	3.4	3.4	0.0
	4	3	3.5	3.7	3.7	3.6	0.1	3	3.4	3.4	3.6	3.5	0.2
	5	1	3.2	3.2	3.2	3.2	0.0	0	-	-	-	-	-
	6	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	1	3.3	3.3	3.3	3.3	0.0
	10 11	3 8	3.3 2.1	3.4 2.2	3.5 2.4	3.4 2.2	0.2	8	3.0	4.0	4.3	3.8	0.8
	12	8	2.2	2.4	2.5	5.3	7.8	9	3.4	3.7	3.8	3.8	0.5
	13	8	2.1	2.7	2.9	2.5	0.5	17	3.7	4.2	4.8	5.4	5.4
	14	10	2.6	2.7	3.0	4.7	6.0	17	3.4	4.2	4.3	4.1	0.7
	15	1	2.7	2.7	2.7	2.7	0.0	0	-	-	-	-	-
	16	4	2.1	2.3	8.8	8.5	11.1	2	3.0	3.5	3.9	3.5	0.9
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18 19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-		<del></del>	-	0		<del>-</del>	<del></del>	-	
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	4	1.9	2.0	2.1	2.0	0.2	3	3.8	4.0	5.8	5.1	1.8
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	6	2.0	2.2	2.3	2.2	0.2	2	4.1	4.1	4.1	4.1	0.0
	25	1	2.3	2.3	2.3	2.3	0.0	1	3.6	3.6	3.6	3.6	0.0
Week	26	2	5.3	8.7	12.1	8.7	6.8	0	-	-	-	-	-
ة  ≷	27 28	0	-	-	-	-	-	0	-	-	-	-	-
	29	0	-	-	-	-	_	0	-	-	-	-	_
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	0	-	-	-	-	-	1	9.3	9.3	9.3	9.3	0.0
	32	2	2.3	2.5	2.7	2.5	0.4	3	4.2	4.3	4.6	4.4	0.4
	33	1	2.6	2.6	2.6	2.6	0.0	3	14.4	19.1	24.7	19.7	8.4
	34	3	2.7	2.9	3.1	2.9	0.3	1	2.5	2.5	2.5	2.5	0.0
	35 36	8 16	2.1	2.6 3.1	2.7 3.6	2.4 4.2	0.7 3.9	18	2.5 3.3	2.9 3.8	3.3 4.5	2.9 4.4	0.7 1.6
	37	16	2.5	2.7	3.2	2.9	0.4	16	3.2	3.5	4.5	3.6	0.7
	38	18	2.7	3.2	3.5	3.1	0.6	14	3.4	3.8	4.1	3.9	0.9
	39	10	2.3	2.7	3.1	4.0	4.3	12	3.1	3.5	4.9	5.4	4.3
	40	11	2.3	2.4	3.1	2.7	0.6	17	3.5	4.1	4.3	4.7	3.3
	41	15	2.6	3.0	3.3	3.2	1.1	22	3.9	4.6	5.2	4.6	1.5
	42	20	2.4	2.6	2.9	2.6	0.6	21	2.9	3.7	4.0	3.7	0.9
	43	24	2.7	3.0	3.2	2.9	0.5	23	3.6	4.2	4.4	5.2	3.5
	44 45	17 23	2.6	2.8 3.1	3.2	3.0	0.8	18 15	3.4 3.1	3.8 3.6	4.3 4.5	4.5 3.9	2.6 1.2
	46	13	2.6	2.7	3.4	2.9	0.7	18	3.1	3.7	4.3	3.9	0.9
	47	7	2.4	2.6	3.2	2.9	0.7	7	2.5	2.7	3.5	3.0	0.6
	48	2	3.2	3.2	3.2	3.2	0.0	0	-	-	-	-	-
	49	1	2.8	2.8	2.8	2.8	0.0	0	-	-	-	-	-
	50	6	3.6	5.2	7.7	8.9	8.9	1	3.8	3.8	3.8	3.8	0.0
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	1	3.9	3.9	3.9	3.9	0.0
	53	0	-		-			0	-		-	_	

L	50		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time L	ne F	Count	Р	ercenti	le		Std.	Count	P	ercentil	e		Std.
盲	Time	လ	25th	50th	75th	Avg.	Dev.	၀၁	25th	50th	75th	Avg.	Dev.
Υ	2013	986	1.8	2.3	3.0	3.1	2.8	974	2.0	2.4	2.8	2.7	1.3
	Jan	89	1.8	2.3	2.5	2.4	0.9	91	1.9	2.2	2.5	2.8	2.4
	Feb	81	1.9	2.2	2.5	2.4	0.9	81	2.0	2.3	2.7	2.4	0.5
	Mar	129 31	1.7	1.9 2.2	3.0	2.5 4.7	2.1 5.8	128 39	2.1	2.4	2.8 3.5	2.6 3.4	0.8 1.7
	Apr May	43	1.5	1.8	2.5	3.4	4.0	43	2.3	2.7	3.0	2.7	0.4
튀	Jun	53	1.5	2.0	3.9	3.5	3.5	39	2.3	2.7	3.2	2.9	0.9
Month	Jul	3	2.8	3.8	5.2	4.1	2.0	10	2.5	2.6	3.2	2.8	0.6
	Aug	48	2.0	2.6	3.5	3.9	3.9	36	2.1	2.7	3.3	3.1	2.0
	Sep	153	1.9	2.3	2.8	2.7	2.2	142	1.8	2.3	2.7	2.4	0.9
	Oct	170 118	1.8	2.3	3.4	3.2 2.8	2.5	197	1.9	2.4	2.8	2.7	1.2
	Nov Dec	68	1.9 2.6	3.1	3.0 4.7	4.8	2.0 4.3	119 49	1.9 2.5	3.0	2.8 3.6	2.6 3.3	1.3
	1	17	1.7	2.1	2.4	2.2	0.8	17	2.0	2.3	2.7	2.4	0.6
	2	14	1.8	2.3	2.5	2.4	0.9	24	1.9	2.0	2.4	3.1	3.4
	3	20	2.1	2.3	2.6	2.6	1.1	17	1.7	2.2	2.5	2.1	0.5
	4	24	2.1	2.3	2.6	2.5	8.0	19	2.0	2.2	2.3	2.2	0.5
	5	23	1.9	2.3	2.4	2.3	0.7	19	2.0	2.3	3.4	3.8	3.2
	6	21	1.8	2.2	2.5	2.2	0.5	22	1.9	2.3	2.6	2.3	0.5
	7 8	19 23	2.0 1.9	2.2	2.3	2.2	0.6 1.3	23	2.2 1.7	2.6	2.7 2.5	2.5	0.4
	9	10	1.9	2.3	3.1	4.2	5.4	9	2.1	2.3	3.3	2.6	0.6
	10	24	2.0	2.3	2.8	2.6	0.9	30	2.1	2.3	2.6	2.4	0.7
	11	28	1.6	2.0	2.9	2.8	2.1	27	2.3	2.6	3.2	2.8	0.8
	12	27	1.4	1.7	2.0	1.9	8.0	32	2.2	2.4	2.9	2.5	0.5
	13	43	1.6	1.8	2.1	2.1	1.3	34	2.0	2.4	2.8	2.4	0.6
	14	25	1.8	2.1	2.6	3.6	4.8	25	2.3	2.6	3.0	3.0	1.2
	15 16	5 7	1.8	3.4 2.5	14.1 6.3	8.1 4.6	7.6 3.9	6 12	2.3 3.2	2.6 3.5	2.9 4.4	2.9 4.5	0.9 2.5
	17	0	-	-	0.3	4.0	-	0	-	3.5	4.4	4.5	2.5
	18	10	1.9	6.8	10.9	7.5	6.1	5	2.7	3.0	3.4	3.2	0.6
	19	5	1.7	1.9	4.0	4.1	3.7	11	2.5	2.7	3.0	2.7	0.3
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	1	2.4	2.4	2.4	2.4	0.0	1	3.0	3.0	3.0	3.0	0.0
	22	27	1.5	1.7	1.9	1.8	0.6	26	2.2	2.5	2.7	2.5	0.4
	23 24	1 26	1.3	1.3 3.1	1.3 6.3	1.3 4.8	0.0 4.3	5 14	2.7	2.7	2.8 3.1	2.6 3.1	1.2
	25	13	1.6	1.9	2.4	2.6	2.1	8	2.6	2.9	3.4	2.9	1.0
Ţ	26	13	1.4	1.7	2.6	2.0	0.8	12	2.3	2.4	2.9	2.6	0.4
Week	27	0	-	-	-	-	-	7	2.6	3.2	3.4	3.0	0.6
>	28	2	2.3	2.8	3.3	2.8	1.0	1	1.9	1.9	1.9	1.9	0.0
	29	0	-	-	-	-	-	1	2.5	2.5	2.5	2.5	0.0
	30 31	3	3.4	3.8	5.2	4.5	1.6	2	2.6	2.6 3.4	2.6 3.4	2.6 3.4	0.0
	31	8	2.3	3.8	3.7	4.5	4.8	9	2.4	2.7	3.4	3.4	0.1
	33	11	2.5	3.3	4.5	5.0	4.4	8	1.9	2.4	3.1	2.5	0.8
	34	11	2.4	2.7	4.2	4.9	4.6	4	3.0	6.1	9.6	6.5	4.1
	35	16	1.6	2.0	2.4	2.1	0.6	13	2.1	2.3	2.8	2.4	0.7
	36	41	1.8	2.3	2.6	2.5	1.2	37	1.9	2.2	2.9	2.5	1.1
	37	27	1.9	2.3	2.7	2.3	0.7	34	1.8	2.3	2.5	2.3	0.6
	38	43 35	2.0 1.9	2.4	2.9	2.7 3.4	1.6 3.7	31	1.9 1.9	2.3	2.8	2.5	0.7
	40	25	1.7	2.2	2.7	2.9	2.4	37	1.8	2.3	2.7	2.4	0.8
	41	40	1.7	2.3	3.7	3.3	2.4	45	1.9	2.5	2.8	2.6	1.2
	42	43	1.8	2.0	3.2	2.7	1.5	47	1.9	2.3	2.6	2.4	0.6
	43	50	2.0	2.4	3.5	3.0	2.1	52	2.2	2.4	2.9	2.6	1.1
	44	32	1.9	2.3	3.2	4.1	4.5	37	2.2	2.5	3.4	3.2	1.9
	45	44	2.0	2.6	3.1	2.9	1.4	46	1.9	2.4	2.6	2.7	1.5
	46	34 16	1.9	2.3	2.6	2.6	1.2	38	1.9	2.4	2.8	2.6	1.4
	47 48	16 11	1.7 2.4	2.1	2.6 3.1	2.2	0.8	17 5	1.8 2.6	2.3 3.2	2.7 3.2	2.3	0.6
	49	19	2.4	3.0	4.6	4.0	2.2	14	2.0	2.9	3.5	2.9	0.0
	50	24	2.3	3.0	4.0	3.9	3.0	8	2.3	2.7	3.0	2.7	0.4
	51	9	3.1	3.6	4.7	5.4	4.1	1	3.5	3.5	3.5	3.5	0.0
	52	12	2.7	3.0	4.8	5.5	5.6	17	2.7	3.3	3.9	3.9	2.6
	53	4	5.0	10.3	16.6	11.4	6.6	9	2.8	2.9	3.6	3.1	0.5

L	51		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time L	Time F	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Ë	Tin	တ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	1451	2.1	2.5	5.0	5.4	9.0	1522	2.8	4.0	5.8	5.9	7.7
	Jan Feb	91 91	2.4	2.7 3.6	5.6 6.8	5.4 6.6	7.1 6.7	92 98	2.7	3.9	5.7 5.8	5.2 6.0	6.8 8.0
	Mar	132	2.0	2.3	4.9	4.8	8.4	142	2.8	3.8	5.5	4.7	3.6
	Apr	70	1.8	2.2	2.8	3.5	4.3	116	2.8	3.7	5.4	5.4	5.6
_	May	78	1.8	2.3	4.8	4.7	7.1	92	3.0	4.3	5.9	5.1	3.6
Month	Jun	93	1.8	2.1	4.6	6.5	14.6	87	3.0	4.2	5.7	6.8	11.0
Š	Jul	110 123	1.9 2.1	2.2	4.6 4.6	6.1 4.2	11.4 4.8	137 124	3.2 2.8	4.3	6.1 6.4	6.8	10.2 7.8
	Aug Sep	163	2.1	2.6	4.8	6.4	11.2	137	2.7	4.0	5.7	4.8	4.4
	Oct	172	2.3	2.6	5.4	5.3	8.1	187	2.9	4.3	5.7	5.3	5.4
	Nov	179	2.3	2.6	4.6	5.3	9.5	178	2.7	3.6	5.6	5.4	6.8
	Dec	149	2.3	3.1	6.0	5.5	7.8	132	2.7	4.2	7.8	8.9	13.0
	2	15 16	2.4	2.6 3.8	5.5 7.3	4.0 6.6	2.8 7.2	14 26	3.1 2.9	4.2 3.9	8.0 5.1	5.2 6.6	2.8 11.9
	3	23	2.2	2.7	5.5	4.2	3.1	19	2.5	3.1	5.0	4.4	3.6
	4	24	2.3	2.5	4.8	6.7	11.4	19	2.4	2.8	6.0	4.2	2.2
	5	21	2.6	4.8	6.3	5.5	3.4	20	3.3	4.2	5.9	5.0	2.6
	6	24	2.2	2.4	4.2	3.6	2.8	24	2.6	4.0	6.6	6.1	7.3
	7 8	23	2.5	3.0 5.6	5.5 15.6	5.9 9.1	5.9 8.0	27 25	2.6	3.2	5.7 4.5	6.1 4.2	8.6 2.8
	9	17	2.6	6.5	13.8	10.8	9.2	22	2.9	4.1	7.5	8.3	11.0
	10	24	2.2	2.6	4.5	3.7	2.5	36	2.9	3.7	5.0	4.5	2.4
	11	30	1.8	2.2	4.5	3.1	1.9	31	2.8	4.7	6.3	5.4	5.2
	12	26	1.9	2.5	5.3	8.0	16.4	32	2.6	3.4	5.2	4.3	2.2
	13	39	2.0	2.3	4.1	4.1	4.8	32	2.7	3.3	4.9	4.5	4.0
	14 15	29 28	1.8 1.8	2.1	2.3	2.7	1.7 1.8	34 35	3.0 2.8	4.2 3.4	5.2 5.2	4.5 4.4	2.7
	16	18	1.9	2.4	3.8	3.8	3.2	33	2.8	3.4	5.7	5.2	4.1
	17	2	2.7	3.2	3.6	3.2	0.9	9	4.1	7.0	7.2	10.4	14.1
	18	15	1.9	2.8	6.3	5.9	7.8	24	4.3	5.0	6.7	6.4	4.6
	19	15	1.7	2.6	5.5	4.5	3.9	21	3.0	3.6	5.2	4.3	1.7
	20	7	2.1	5.8	6.4	5.7	4.6	14	3.1	4.1	6.9	6.1	6.0
	21	11 32	1.8	2.3	5.0 3.7	6.4 4.2	10.6 8.2	13 33	2.9 3.0	4.3 3.8	5.8 5.2	5.6 4.7	4.5 3.1
	23	7	2.3	2.8	3.3	2.9	0.8	5	3.6	4.8	6.1	4.8	1.3
	24	37	1.8	2.1	4.8	3.3	2.1	30	3.3	4.6	5.6	6.9	10.0
	25	24	1.8	2.1	4.6	8.2	17.1	28	3.0	4.0	5.1	6.2	10.1
송	26	23	1.7	1.8	3.3	11.0	22.4	18	2.7	4.5	6.3	9.0	15.8
Week	27	15	1.9	2.2	6.4	6.2	10.2	28	2.9	3.4	4.6	5.8	9.2
	28 29	35 29	1.7 2.0	2.0	2.9 4.7	6.6 6.7	13.8 11.5	38 32	3.7	4.8	6.0 5.7	6.5 5.3	8.4 3.3
	30	20	2.1	4.3	5.3	6.1	10.4	24	2.8	4.4	7.0	11.8	18.3
	31	23	2.0	2.2	2.5	2.9	1.7	31	3.2	4.1	6.7	4.9	2.4
	32	31	2.2	2.7	5.7	4.2	3.0	34	3.0	4.6	6.5	7.9	11.1
	33	24	2.1	2.4	4.4	5.4	8.2	29	2.8	3.8	5.4	5.7	8.9
	34 35	34 24	2.3	3.0 2.2	4.8 2.4	4.3 3.4	3.3 4.7	19 29	2.9	6.5 3.5	9.5 4.9	7.2 4.4	4.7 2.7
	36	39	2.0	2.2	4.2	3.4	2.6	33	2.7	5.1	6.0	4.4	2.1
	37	32	2.2	2.5	3.5	5.5	10.2	34	2.7	3.3	4.9	4.1	2.2
	38	44	2.1	2.5	3.9	5.6	11.4	29	2.8	4.8	5.8	6.0	8.4
	39	38	2.3	2.8	6.6	8.6	13.7	30	2.6	3.6	5.0	4.4	2.8
	40	30	2.3	2.7	8.1	9.0	12.9	36	3.6	4.8	6.6	7.7	9.2
	41 42	39 44	2.4	2.7 2.9	6.1 6.3	5.1 6.1	4.6 9.5	47 41	2.7	3.3 4.6	5.3 5.7	4.4 4.4	2.8
	43	50	2.3	2.9	2.8	3.8	4.3	49	2.4	3.8	6.0	5.3	5.3
	44	31	2.2	2.6	6.3	9.5	16.3	36	3.1	4.6	6.3	5.2	2.8
	45	47	2.3	2.7	5.4	4.4	5.2	49	2.7	4.3	6.8	5.5	4.9
	46	38	2.3	2.6	4.5	7.3	14.4	44	2.7	3.3	4.4	3.7	1.4
	47	34	2.2	2.5	4.3	4.4	5.2	40	2.5	3.6	6.6	8.0	12.5
	48	48	2.3	2.5	4.6	3.7	2.8	34	2.7	3.5	4.4 5.4	4.1	2.0
	49 50	44 41	2.3	2.7	7.4 3.2	6.5 4.2	10.6 6.2	38 31	2.3 3.0	3.1	5.4 6.2	4.8 5.6	7.5 5.3
	51	22	2.6	3.9	6.6	5.4	4.8	20	3.0	4.7	12.0	15.3	21.5
	52	28	2.3	4.1	6.3	6.2	8.2	31	2.7	4.0	9.8	11.0	15.5
	53	14	3.7	4.4	5.9	4.9	2.1	12	10.7	16.3	17.8	14.0	4.8

<u>L</u>	52		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je L	ле Р	Count	Р	ercenti	le	1	Std.	Count	P	ercentil	е		Std.
Time	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	3099	8.0	1.0	1.3	1.5	1.4	3249	8.0	0.9	1.2	1.1	0.7
	Jan	163	0.8	1.3	3.6	2.5	2.3	196	8.0	0.9	1.2	1.0	0.4
	Feb	160	0.9	1.3	2.9	2.3	2.1	211	0.8	0.9	1.2	1.1	0.7
	Mar Apr	261 228	0.8	1.0 0.9	1.3	1.3	1.1 0.9	283 267	0.8	0.8	1.1 1.0	1.0	0.6
	May	302	0.8	1.0	1.3	1.5	1.3	299	0.8	0.8	1.1	1.1	0.7
퉏	Jun	219	0.8	0.9	1.2	1.4	1.3	226	0.8	0.9	1.1	1.0	0.6
Month	Jul	271	0.8	1.0	1.2	1.2	0.9	284	0.8	0.9	1.2	1.0	0.4
	Aug	276	0.8	0.9	1.1	1.0	0.2	280	8.0	1.0	1.2	1.1	0.6
	Sep	295	0.8	1.0	1.2	1.1	0.5	270	0.8	1.0	1.3	1.2	0.6
	Oct	285	0.9	1.3	2.1 1.4	2.0	1.9	308	0.9	1.2	1.4	1.3	0.7
	Nov Dec	322 317	0.9	1.2 1.2	1.4	1.4 1.6	1.0 1.4	309 316	0.8	1.0 0.9	1.3 1.4	1.2	1.0
	1	31	1.0	2.1	5.0	3.0	2.3	29	0.8	1.0	1.4	1.1	0.4
	2	44	0.8	0.9	1.4	1.7	1.9	54	0.8	0.9	1.1	1.0	0.4
	3	28	0.9	1.8	5.1	3.0	2.7	39	0.8	0.9	1.1	1.0	0.2
	4	42	0.8	1.3	4.0	2.6	2.3	50	8.0	0.9	1.1	1.0	0.4
	5	39	0.8	1.2	3.0	2.1	1.7	44	0.8	8.0	1.1	1.0	0.4
	6	47	0.9	1.3	2.3	2.1	2.0	47	0.8	0.9	1.2	1.3	1.1
	7 8	34 28	1.0 0.8	1.4	6.1 2.9	3.1 2.1	2.8 1.8	47 53	0.8	1.0 0.9	1.2 1.2	1.1	0.5
	9	35	1.0	1.5	3.4	2.4	1.9	60	0.8	0.9	1.1	1.0	0.3
	10	58	0.8	1.1	1.5	1.4	0.9	69	0.8	0.9	1.4	1.2	0.9
	11	60	0.8	0.9	1.1	1.0	0.6	65	8.0	8.0	1.1	1.0	0.5
	12	60	0.8	0.9	1.2	1.2	0.9	57	0.7	0.8	1.0	0.9	0.4
	13	67	0.8	1.1	1.7	1.7	1.4	66	0.7	8.0	1.1	0.9	0.4
	14	59	0.8	0.9	1.1	1.0	0.5	63	0.8	0.9	1.2	1.1	0.6
	15	64 70	0.8	1.0 0.9	1.2	1.3	1.0 0.8	77 75	0.8	0.9	1.0 1.1	1.0	0.6
	16 17	28	0.7	0.8	0.9	0.8	0.8	37	0.7	0.8	0.8	0.8	0.0
	18	58	0.8	1.1	2.2	1.7	1.5	60	0.7	0.9	1.2	1.1	0.8
	19	51	0.8	1.0	1.3	1.6	1.6	76	0.8	0.9	1.1	1.0	0.5
	20	70	0.8	1.0	1.3	1.4	1.0	67	0.8	0.9	1.1	1.1	0.6
	21	75	0.8	1.0	1.5	1.7	1.6	67	0.7	8.0	1.0	1.1	0.8
	22	69	0.8	0.9	1.2	1.1	0.7	60	0.8	0.9	1.1	1.0	0.6
	23	26 64	0.7	1.1	1.6 2.0	1.4 1.8	1.2 1.5	30 71	0.7	0.8 1.0	1.0 1.1	0.8 1.1	0.2
	25	68	0.8	0.9	1.2	1.4	1.5	67	0.8	0.9	1.1	1.1	0.6
J	26	47	0.8	0.9	1.0	0.9	0.3	46	0.8	0.8	1.0	1.0	0.4
Week	27	55	0.8	0.9	1.0	1.0	0.3	62	0.7	0.8	1.1	0.9	0.4
>	28	75	0.8	1.0	1.3	1.3	0.9	72	0.8	0.9	1.1	1.0	0.5
	29	58	0.8	1.0	1.1	1.0	0.3	61	8.0	0.9	1.1	0.9	0.2
	30	62	0.8	1.0	1.2	1.3	1.5	63	0.7	1.0	1.3	1.0	0.4
	31 32	56 62	0.8	1.0	1.2	1.0	0.2	57 65	0.8	0.9 1.0	1.2 1.3	1.1	0.6
	33	67	0.8	0.8	1.0	1.0 0.9	0.2	72	0.8	0.9	1.3	1.0	0.9
	34	62	0.8	1.0	1.1	1.0	0.2	55	0.8	0.9	1.3	1.1	0.5
	35	61	0.8	0.9	1.1	1.0	0.2	63	0.8	1.0	1.3	1.2	0.6
	36	74	0.9	1.1	1.3	1.2	0.5	65	0.8	1.2	1.7	1.4	0.8
	37	63	0.8	1.0	1.2	1.0	0.3	60	0.8	1.0	1.3	1.2	0.5
	38	70	0.8	1.0	1.2	1.0	0.4	59 56	0.8	1.1	1.3	1.2	0.6
	39 40	68 66	0.8	0.9 1.0	1.2	1.0	1.0	56 84	0.8	0.9 1.0	1.2 1.3	1.1 1.2	0.5 0.5
	41	55	1.0	1.3	2.7	2.4	2.2	64	1.1	1.3	1.5	1.3	0.5
	42	72	0.9	1.2	1.6	1.7	1.4	65	0.8	1.2	1.6	1.4	0.8
	43	67	1.0	1.4	3.9	2.7	2.3	76	0.9	1.2	1.4	1.3	0.6
	44	69	0.9	1.3	1.5	1.6	1.5	74	0.9	1.2	1.5	1.4	0.9
	45	79	0.9	1.2	1.5	1.4	0.9	69	0.8	1.0	1.3	1.2	0.7
	46	74	0.9	1.1	1.4	1.4	1.0	78	0.8	1.0	1.3	1.2	0.5
	47	71 74	0.8	1.1	1.4	1.3	0.7	78 50	0.8	0.9	1.2	1.2	0.9
	48 49	74	0.9	1.2	3.3	1.8 2.4	1.5 2.0	59 68	0.8	1.0 0.9	1.3 1.3	1.3	1.1 0.9
	50	71	0.9	1.2	1.3	1.4	1.2	66	0.8	1.2	1.7	1.6	1.4
	51	77	0.9	1.2	1.5	1.6	1.4	75	0.8	0.8	1.2	1.1	0.6
	52	72	0.8	1.1	1.3	1.2	1.0	83	0.7	0.8	1.3	1.1	0.8
	53	26	0.9	1.1	1.2	1.1	0.3	24	0.8	0.9	1.3	1.2	0.8

L	53		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ne U	Time P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Tin	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	2930	2.3	3.1	5.5	5.4	6.6	2939	2.6	3.6	6.2	6.5	8.1
	Jan Feb	175 171	5.9 5.0	8.4 7.3	15.0 13.8	11.1 10.4	8.3 8.1	176 189	7.1 7.1	11.7 13.5	19.2 31.4	14.6 19.0	10.1 14.2
	Mar	241	2.3	3.1	4.2	4.3	4.4	249	2.5	3.3	5.0	5.0	5.6
	Apr	210	1.9	2.5	3.7	3.6	3.1	246	2.4	3.0	4.1	4.4	5.0
ч	May	297	2.0	2.6	3.8	4.1	4.7	278	2.3	2.9	4.3	4.0	4.8
Month	Jun Jul	216 247	2.2	3.0 2.6	5.9 3.6	5.9 3.3	9.0	211	2.4	3.1 2.8	4.6 4.0	4.3 3.6	5.3 2.7
2	Aug	250	2.0	2.4	3.2	3.5	4.9	251	2.4	3.0	4.0	3.8	3.9
	Sep	259	2.1	2.7	4.0	4.2	6.4	238	2.6	3.4	4.8	5.8	10.0
	Oct	290	2.8	4.4	11.4	7.9	8.3	289	3.6	5.8	13.9	9.2	8.1
	Nov Dec	301 273	2.4	3.1	4.2 5.7	4.0 5.9	3.6 7.4	288	2.6	3.5	5.3 5.6	4.5 5.2	3.0 5.3
Н	1	32	5.8	8.0	11.5	8.8	4.0	28	7.0	9.0	11.9	9.7	4.2
	2	30	3.7	4.7	7.6	6.5	4.6	43	4.9	7.5	9.3	8.2	4.8
	3	41	7.2	9.8	15.2	11.1	5.5	36	10.9	16.2	23.4	16.6	7.9
	4 5	41 47	6.9 5.5	12.2 7.3	21.0 15.5	15.3 10.8	11.8 8.3	45 41	10.1 6.0	16.2 12.9	23.8 26.8	18.1 17.5	9.8 13.9
	6	44	4.1	5.9	9.9	7.4	4.5	38	5.6	8.5	11.5	8.9	4.4
	7	41	6.1	10.8	18.7	12.6	8.1	45	10.2	20.6	29.4	19.5	10.7
	8	38	5.5	8.6	17.3	11.9	9.0	51	10.2	26.7	39.0	25.7	15.4
	9 10	39 55	5.1 2.8	7.5 3.6	17.9 5.5	12.0 4.5	10.1 2.8	52 57	7.9 2.5	20.6 4.1	33.5 6.9	22.2 5.8	16.0 4.6
	11	52	2.1	2.6	3.8	4.4	5.9	54	2.4	2.7	4.3	3.8	2.7
	12	57	2.2	2.5	3.5	3.2	2.0	56	2.3	2.9	3.5	3.3	1.5
	13	60	2.5	3.1	4.2	3.6	2.1	60	2.4	3.4	4.2	3.8	2.1
	14 15	53 62	1.9 2.7	2.3 3.4	2.9 5.4	2.8 5.0	1.6 3.9	59 72	2.3	2.9 3.7	4.0 4.6	3.6 5.0	2.2 5.7
	16	59	1.9	2.6	3.6	3.5	2.8	63	2.7	3.2	4.7	4.7	5.3
	17	30	1.5	1.7	2.1	2.5	2.5	35	2.2	2.6	3.2	3.8	5.4
	18	58	2.0	2.6	3.4	3.4	2.6	63	2.6	3.4	5.5	5.1	4.9
	19 20	52 70	2.1	2.4	4.6 3.8	4.9 3.8	6.2 3.0	69 61	2.4	2.8	4.2	3.8	2.4 3.7
	21	69	2.1	3.0	4.1	4.3	4.4	60	2.2	2.7	3.9	4.4	8.2
	22	66	1.9	2.4	3.3	3.9	6.0	57	2.4	2.8	3.8	3.8	3.2
	23	23	1.9	2.9	8.4	8.4	12.2	25	2.3	2.7	4.3	3.6	1.7
	24 25	64 70	3.1 2.1	4.1 2.7	9.1 4.5	6.7 5.2	6.3 9.4	67 58	2.6	3.5	6.1 3.8	4.6 3.5	2.8 1.4
٧	26	47	2.0	2.7	4.4	5.4	10.3	49	2.2	2.7	3.5	4.8	9.7
Week	27	46	2.1	2.3	3.4	3.1	2.0	53	2.4	2.8	3.4	3.0	0.9
_	28	68	2.2	2.7	3.5	3.0	1.4	62	2.7	3.5	5.1	4.2	1.9
	29 30	55 58	2.0	2.3	3.4	2.7 3.8	1.1 3.1	62 57	2.3	3.0 2.7	3.7 3.3	3.6 3.6	3.8
	31	54	2.2	2.7	3.7	4.5	6.6	57	2.3	2.8	4.1	4.1	6.7
	32	59	2.0	2.4	2.8	3.8	5.8	61	2.7	3.4	4.1	4.0	2.6
	33 34	56 56	2.1	2.6	3.2	3.4	5.0 2.0	61 50	2.4	3.2 2.8	4.0 3.9	3.4 4.1	1.6 3.5
	35	55	2.0	2.3	3.4	3.1	2.4	54	2.2	2.7	3.6	3.1	1.2
	36	65	2.1	2.9	4.4	3.8	2.5	59	2.8	3.6	5.5	4.3	2.3
	37	54	2.1	2.5	3.2	3.0	1.5	55	2.5	2.9	3.5	3.1	0.9
	38 39	68 54	2.1 1.9	2.6	3.1 4.2	2.9 5.9	1.7 11.5	53 51	2.6	3.2	4.6 5.8	3.5 11.7	1.3 19.3
	40	60	3.1	4.6	10.5	9.8	11.2	70	3.2	5.0	8.6	9.1	10.3
	41	66	3.0	5.3	16.9	10.5	10.7	60	4.5	7.3	20.1	12.0	8.9
	42	70	2.5	3.6	4.8	4.2	2.7	64	3.6	5.7	10.4	7.8	5.6
	43	68 66	3.9 2.4	8.7 3.3	13.5 4.7	9.8 4.4	6.7 3.7	79 61	4.3 2.9	7.5 4.1	15.5 5.4	10.3 4.7	7.7 2.4
	45	73	2.6	3.1	3.8	3.7	2.5	66	2.5	3.4	6.0	4.3	2.3
	46	70	2.3	2.9	4.4	3.8	2.4	74	2.8	3.5	4.9	4.2	2.2
	47	66	2.7	3.3	4.1 4.2	4.2	3.4	70	2.4	3.1 4.4	4.2	3.6	1.8
	48 49	70 68	2.5 3.5	3.0 4.5	9.7	4.8 7.5	5.6 6.6	53 59	3.0	5.3	6.6 11.8	6.3 8.9	5.0 9.2
	50	65	2.6	3.8	6.1	6.2	8.2	58	2.8	3.5	4.5	4.3	2.7
	51	61	2.8	3.2	4.2	5.9	9.7	60	2.5	3.1	5.1	4.1	3.0
	52	55	2.5	3.0	4.0	4.7	4.9	66	2.9	3.5	5.5	4.4	2.4
	53	24	2.1	2.5	2.8	2.8	1.4	20	2.3	3.1	4.2	3.4	1.3

L	54		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)					ate (ho	ur)
ē	e Pd.	T T	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	2684	1.0	1.3	4.6	3.3	3.5	2534	1.7	2.3	5.6	4.2	3.7
	Jan	151	1.2	1.3	4.1	2.9	3.0	144	1.7	2.0	3.7	3.7	3.4
	Feb	162	1.1	1.2	2.7	2.6	2.8	147	1.6	1.9	5.7	4.2	3.9
	Mar	249	0.9	1.2	5.1	3.2	3.4	236	1.7	2.5	7.1	4.8	4.0
	Apr May	197 273	0.8	1.1	3.8 4.3	2.8 3.3	3.1	217 235	1.8 1.9	2.6 2.5	5.5 6.4	4.2 4.8	3.3
ŧ	Jun	210	0.8	1.5	4.5	3.5	3.8	208	1.8	2.5	5.5	4.3	3.7
Month	Jul	242	0.9	1.4	5.0	3.4	3.5	240	1.7	2.1	5.5	4.1	3.5
	Aug	230	1.0	1.5	4.8	3.5	3.6	225	1.7	2.2	4.4	3.9	3.5
	Sep	210	1.1	1.3	5.0	3.6	3.9	193	1.7	2.0	3.8	3.7	3.5
	Oct Nov	267 255	1.2	1.3	4.2 5.2	3.3	3.5	234	1.6	2.3	6.0 5.1	4.2 4.1	3.7 3.5
	Dec	238	1.2	1.3	5.0	3.5	3.8	218	1.7	2.3	6.9	4.5	4.1
	1	30	1.2	1.3	4.8	3.0	3.3	24	1.7	2.0	5.2	4.2	3.9
	2	28	1.1	1.5	4.0	3.3	3.2	37	1.6	1.8	3.0	3.5	3.6
1	3	37	1.2	1.3	4.8	3.1	3.1	32	1.6	2.3	4.4	3.9	3.4
ĺ	4 5	32 38	1.2	1.3	3.8 1.5	2.9	2.7	33 32	1.7	2.1	3.8 4.3	3.5 3.6	2.9 3.0
ĺ	6	48	1.1	1.2	3.6	2.8	2.8	38	1.7	2.0	4.5	4.0	3.6
1	7	29	1.0	1.2	3.0	3.1	3.6	28	1.6	1.8	5.0	3.7	3.1
1	8	35	1.0	1.2	1.3	2.0	2.1	41	1.5	1.8	5.3	4.3	4.5
ĺ	9	43	1.1	1.3	2.9	2.6	2.5	35	1.6	1.9	3.6	4.1	4.2
ĺ	10	54 52	1.0 0.8	1.2 1.4	4.3 5.1	3.1 3.5	3.2	48 61	1.6 1.9	2.3	6.4 8.5	4.6 5.0	4.0 4.1
	12	61	0.9	1.1	5.5	3.6	3.8	53	2.0	3.2	8.3	5.3	4.2
	13	65	0.9	1.1	3.6	2.6	2.6	60	1.7	2.3	5.9	4.6	4.0
	14	51	1.0	1.1	3.0	2.4	2.6	49	1.7	2.5	5.4	3.8	3.0
	15	59	0.9	1.3	5.1	3.1	3.1	70	1.7	2.3	6.5	4.3	3.3
	16 17	53 29	0.8	0.9 1.0	6.1 2.2	3.5 2.0	4.0 2.2	52 30	2.0	2.6 3.3	4.5 6.0	3.8 5.0	2.9 4.0
	18	43	0.8	0.9	2.8	2.4	2.9	51	2.0	2.8	5.7	4.7	3.9
	19	48	0.8	1.0	4.3	3.4	4.0	48	2.2	2.4	7.9	5.1	4.3
	20	75	0.9	1.7	4.9	3.3	3.5	58	2.0	2.7	7.7	4.9	4.0
	21	68	0.9	1.8	4.7 2.3	3.6	3.9	58 45	1.8	2.4	4.8	3.8	2.8
	22	57 15	0.8	0.9	1.2	2.8 1.3	3.6 1.1	20	2.0 1.7	3.4 2.8	7.9 9.7	5.1 5.5	4.0 4.9
	24	65	0.8	0.9	4.3	3.0	3.4	73	1.9	2.5	4.9	4.3	3.8
	25	71	0.9	2.3	4.4	3.8	4.0	56	1.9	2.7	6.1	4.5	3.5
송	26	47	0.9	2.5	7.7	4.4	4.2	49	1.8	2.3	4.7	4.0	3.4
Week	27 28	50 69	0.8	1.0	2.1 4.8	2.7 3.5	3.3	55 55	1.8	2.3	5.4 6.1	4.1 4.5	3.4 3.9
	29	53	0.9	1.5	5.3	3.5	3.5	59	1.6	1.9	4.8	3.6	3.2
	30	55	1.0	1.5	5.4	3.5	3.4	50	1.6	2.1	6.3	4.1	3.5
	31	43	1.1	2.7	4.8	3.9	3.7	51	1.8	2.3	5.0	4.0	3.4
	32	50	1.0	1.1	3.9	2.9	3.0	49	1.7	2.1	4.3	3.6	3.2
	33	56 55	1.0	1.4 2.6	5.2 5.2	4.2 3.9	4.6 3.7	55 50	1.7 1.8	2.3	4.9 3.3	4.4 3.6	4.2 3.0
	35	50	1.1	1.3	3.8	2.8	2.6	47	1.7	2.0	4.2	3.6	3.0
	36	51	1.2	1.2	2.9	2.9	3.0	42	1.6	2.0	4.6	3.7	3.1
	37	46	1.2	2.3	6.7	4.4	4.1	49	1.7	1.9	3.1	3.2	2.9
	38	58 41	1.1	1.6	5.3	3.9	4.3	41	1.7	2.0	3.8	3.8 4.1	3.8
	39 40	47	1.1	1.3	3.8 4.5	3.5 3.4	3.8	46 56	1.6	2.1	4.6 6.4	4.7	3.9 4.2
ĺ	41	61	1.1	1.2	3.1	2.9	3.1	41	1.7	2.1	5.6	3.8	3.4
1	42	60	1.1	1.4	2.8	2.9	3.2	50	1.6	2.2	3.6	3.6	3.4
ĺ	43	58	1.2	1.5	5.0	3.7	3.8	59	1.6	2.0	5.9	3.9	3.6
1	44	77 60	1.2	1.5	5.3	3.6	3.6	67 57	1.7	2.8	6.2	4.3	3.3
1	45 46	60 51	1.1	1.3 1.2	6.0 5.0	3.7	4.0 3.5	57 52	1.8 1.6	2.7	5.4 4.7	4.7 3.7	4.1 3.2
ĺ	47	59	1.2	1.3	5.1	3.5	3.5	59	1.6	2.1	5.4	3.8	3.1
1	48	63	1.1	1.3	4.9	3.6	3.9	45	1.9	3.1	6.6	4.7	3.6
ĺ	49	58	1.2	1.3	5.4	3.6	3.8	39	1.6	2.7	8.2	5.2	4.2
ĺ	50	50	1.2	1.2	3.7	3.3	3.9	46	1.8	2.7	7.0	4.7	3.8
ĺ	51 52	48 51	1.2	1.2	1.5 5.2	2.8 3.6	3.2	49 60	1.6 1.6	2.1 1.9	3.3 7.4	3.7 4.8	3.7 4.5
	53	31	1.1	1.3	8.3	4.5	4.4	24	1.7	2.3	3.8	4.0	3.7

L	55		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
e C	le P	T T	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2013	1059	3.4	4.0	4.8	5.4	5.6	1079	6.2	7.7	10.2	9.7	6.4
	Jan	193	3.8	4.3	4.7	5.1	4.1	192	5.9	7.1	8.8	8.3	4.9
	Feb	150	3.6	4.0	4.4	5.2	5.5	171	5.8	7.1	9.2	9.0	6.7
	Mar	203	3.2	3.5	4.1	4.4	4.1	200	6.1	7.2	8.8	8.5	4.3
	Apr	63	3.2	3.5	4.2	4.7	4.5	76	6.1	8.6	12.1	10.1	5.8
£	May Jun	71 69	3.1	3.3 3.4	4.1 3.8	5.0 5.1	6.6 5.4	74 74	7.3 6.5	8.7 7.8	12.2 10.2	11.3 9.4	7.0 4.9
Month	Jul	77	3.3	3.7	4.6	5.1	4.1	79	6.5	7.7	9.7	9.5	5.3
-	Aug	65	3.6	4.0	5.0	6.3	7.3	73	6.6	7.9	10.9	10.8	8.9
	Sep	61	4.2	4.8	6.7	6.3	3.9	47	7.0	9.3	11.3	10.6	6.5
	Oct	51	4.3	4.8	8.9	6.6	3.5	41	7.5	9.3	12.8	12.4	8.0
	Nov	28	4.3	5.0	6.6	8.5	10.1	27	8.0	10.8	13.7	12.3	6.9
	Dec	28	5.1	5.5	10.2	11.7	12.9	25	8.3	12.9	20.0	16.3	11.6
	1	36 42	4.1	4.4	4.8	4.6	1.0	26	6.9	8.0	9.9	9.2	3.3
	3	41	3.8	4.2 4.2	4.8 4.4	6.7 4.2	8.1 0.8	55 42	5.7 5.4	7.4 7.0	11.0 8.0	10.0 7.2	8.1 1.9
	4	43	3.8	4.4	4.7	4.8	1.9	47	5.7	6.5	7.9	6.8	1.6
	5	45	3.8	4.0	5.2	5.9	5.5	41	6.5	7.8	9.4	8.6	3.0
	6	46	3.7	4.0	4.4	4.4	2.2	36	5.8	7.5	9.2	8.8	4.3
	7	40	3.2	3.8	4.2	5.0	7.4	41	5.8	6.4	7.4	8.5	8.0
	8	38	3.6	4.1	5.1	5.8	4.8	54	6.1	6.6	8.1	8.1	4.3
	9	13	3.8	4.2	5.1	4.6	1.1	21	6.0	8.6	12.4	13.4	11.4
	10 11	40 47	3.6 2.9	4.0 3.2	4.6 3.5	5.6 4.3	5.8 5.9	46 50	5.8 6.8	7.2 7.7	8.7 8.7	8.8 8.4	5.1 3.0
	12	53	3.1	3.4	3.8	3.9	1.9	52	5.9	7.2	8.9	8.0	3.4
	13	51	3.2	3.4	3.9	4.0	1.7	48	5.7	6.7	8.1	8.1	4.8
	14	40	3.3	3.6	4.0	3.9	1.3	38	5.8	7.4	12.8	10.1	6.5
	15	9	3.9	4.3	6.5	5.3	2.2	11	6.2	8.6	10.3	8.8	3.3
	16	11	3.6	4.7	6.6	8.0	9.1	10	6.3	7.2	10.1	9.0	3.8
	17	11	2.8	3.1	3.4	4.1	3.4	13	8.3	11.3	12.6	11.3	3.8
	18	14	2.8	3.1	4.6	4.7	3.4	20	7.2	8.5	13.1	11.6	7.4
	19 20	16 10	3.1	3.2 4.2	3.5 5.6	3.8 5.4	1.4 2.7	20 13	7.5 7.7	8.7 10.8	14.5 14.0	13.5 12.2	9.9 5.2
	21	19	3.1	3.3	3.6	6.5	12.0	14	7.5	8.7	11.3	10.0	4.5
	22	16	3.0	3.4	3.9	3.9	1.9	17	7.0	8.3	10.4	9.4	4.5
	23	6	2.8	3.5	5.6	7.7	9.1	11	7.8	9.0	11.1	10.6	4.5
	24	21	3.0	3.2	3.6	3.4	8.0	20	6.2	7.3	10.6	8.9	4.1
	25	28	3.2	3.4	4.2	5.7	5.7	24	6.6	8.0	9.1	10.2	6.5
Week	26	11	3.5	3.6	3.8	5.7	6.9	14	6.9	7.4	9.2	8.6	3.0
š	27 28	23	3.3	3.8	5.8 5.7	6.4 5.0	6.5 3.1	24 24	7.0	8.3 7.8	9.6	8.4 10.0	2.2 6.1
	29	13	3.4	4.1	5.8	4.8	1.9	14	6.0	7.3	9.1	9.1	4.3
	30	12	3.4	3.6	3.9	3.9	1.0	9	6.1	7.5	9.3	8.8	4.9
	31	10	3.5	4.2	4.3	3.9	0.5	19	6.1	7.9	14.7	10.9	6.7
	32	22	3.4	3.7	4.5	5.1	4.4	18	6.5	7.8	12.1	10.9	7.8
	33	22	3.6	3.9	7.1	8.1	11.2	22	6.6	7.5	9.7	11.0	10.8
	34	7	3.6	3.7	3.8	3.7	0.4	15	6.4	7.8	10.1	8.4	2.8
	35	12 18	4.3	4.8 4.8	9.4	6.9	3.7 4.5	10 12	7.1	7.9 9.3	11.3 10.0	14.2	13.1 5.5
	36 37	17	3.9	4.6	6.6 7.1	6.1	3.5	14	7.6 7.0	9.6	10.0	10.5 9.4	2.5
	38	12	4.1	4.7	5.1	5.2	1.9	10	6.0	9.6	16.3	13.4	11.3
	39	9	4.3	4.7	6.4	6.1	3.3	8	6.4	8.0	11.8	8.9	2.9
	40	18	4.5	4.7	9.0	7.4	4.5	8	9.0	11.2	15.0	14.0	7.3
	41	11	4.4	5.0	7.3	6.1	2.4	9	7.6	8.8	12.5	10.0	3.4
	42	10	4.6	5.2	6.0	6.0	2.2	15	7.3	9.1	10.3	10.6	7.4
	43	5	4.3	4.3	4.5	6.6	4.5	4	6.7	8.1	14.5	13.0	9.8
	44 45	13 5	4.0	4.7 4.3	9.4 5.1	7.0 6.8	4.2 4.9	9	7.5	12.8	22.0 15.4	15.6 11.0	9.3
	46	4	4.1 4.1	4.3	5.1 5.6	6.8 4.8	1.0	3	9.1 7.0	11.0 8.5	15.4 10.2	11.9 8.6	3.9 2.6
	46	12	4.1	5.7	9.8	8.6	7.2	11	7.0	10.4	12.3	11.8	7.1
	48	6	4.5	4.7	5.9	12.8	17.8	5	11.5	12.5	15.3	17.0	9.4
	49	12	5.2	5.5	9.2	8.4	5.5	2	8.1	8.4	8.8	8.4	0.7
	50	6	4.8	5.3	35.3	19.9	21.5	8	8.5	10.1	13.1	14.5	13.5
	51	5	8.2	10.0	13.7	15.7	12.1	8	17.5	18.7	20.3	20.5	11.1
	52	5	4.3	5.0	5.6	6.0	2.4	7	7.8	9.3	23.5	15.8	9.7
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	56		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
e U	e Pd.	ī		ercenti		,		ı		ercentil		,	
Time	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	644	2.3	2.7	3.2	4.0	4.0	654	4.0	4.8	6.0	5.8	3.6
	Jan	200	2.6	2.8	3.2	4.2	4.4	198	3.8	4.8	5.9	5.8	3.3
	Feb	151	2.4	2.7	3.1	3.6	2.7	169	3.8	4.5	5.7	5.5	3.5
	Mar	198	2.1	2.3	2.9	3.9	4.3	195	4.0	4.8	6.0	5.6	2.5
	Apr	23 9	2.1 1.9	2.3	2.5	2.9	2.7	32 9	3.7	4.3	6.0	5.3 7.9	2.3 4.8
ŧ	May Jun	17	2.1	3.6	2.5 5.9	4.8	0.9 4.0	16	5.0 5.2	6.2	8.2 7.6	9.2	8.4
Month	Jul	13	2.3	2.7	4.3	4.6	4.5	14	4.3	5.2	6.5	8.4	8.3
_	Aug	15	2.6	2.9	3.3	2.9	0.4	5	5.8	6.1	7.7	7.0	1.8
	Sep	11	3.0	3.5	5.9	6.1	6.8	7	5.8	5.9	6.5	6.2	1.1
	Oct	3	3.4	3.8	7.9	6.3	4.0	7	4.5	6.0	6.3	5.6	1.2
	Nov	3 1	4.6 3.2	6.1	10.7	8.2	5.2	0	4.7	4.9	5.2	4.9	0.5
	Dec 1	39	2.6	3.2 2.9	3.2	3.2	0.0 2.9	31	4.5	5.3	6.8	6.4	3.5
	2	41	2.5	2.8	3.8	5.4	6.5	49	3.8	4.5	6.9	6.6	4.6
	3	45	2.5	2.8	3.1	3.9	3.6	47	3.5	4.6	5.7	4.7	1.4
1	4	44	2.7	3.0	3.2	4.3	4.2	51	3.9	4.6	5.7	5.3	2.4
1	5	47	2.4	2.6	2.9	4.2	4.3	39	3.8	4.9	6.6	6.1	3.6
1	6	47	2.4	2.7	2.9	3.3	1.8	41 37	3.8	4.7	6.1	6.3	5.5
1	7 8	35 40	2.2	2.6	5.4 3.2	3.8	2.5 2.1	37 59	3.6 4.0	4.2 4.5	5.2 5.3	5.0 5.2	2.6
1	9	13	2.5	2.8	3.3	3.0	0.6	13	4.7	5.3	6.3	5.9	1.9
	10	36	2.4	2.7	3.9	5.2	6.6	43	4.0	4.5	5.1	4.9	1.9
	11	47	2.0	2.3	2.7	3.8	4.5	52	4.5	5.4	6.4	5.8	1.8
	12	45	2.0	2.3	2.5	2.9	1.8	46	4.0	5.5	6.1	5.5	1.9
	13 14	59	2.1	2.3	2.8	3.9	3.7	52	3.8	4.6	5.5	5.8	3.5
	15	33 0	Z. I -	2.3	2.0	3.6	3.2	33 0	3.7	4.3	6.1	5.5	2.7
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	1	2.3	2.3	2.3	2.3	0.0	1	4.8	4.8	4.8	4.8	0.0
	19	1	1.9	1.9	1.9	1.9	0.0	5	5.8	6.2	9.0	9.3	5.9
	20	1 5	5.0 2.3	5.0 2.3	5.0 2.3	5.0 2.3	0.0	1	5.0 6.7	5.0 6.7	5.0 6.7	5.0 6.7	0.0
	22	2	1.9	2.1	2.3	2.1	0.4	2	5.5	6.4	7.3	6.4	1.8
	23	1	1.5	1.5	1.5	1.5	0.0	2	5.4	5.6	5.8	5.6	0.4
	24	4	2.0	3.3	4.9	3.5	1.8	6	6.0	6.2	6.4	11.0	11.2
	25	5	1.9	2.1	2.6	5.0	5.8	7	4.8	5.8	11.2	9.4	6.7
Week	26 27	7	3.7 2.0	4.9 2.5	7.2 6.9	5.8 6.5	2.9 7.2	5	5.0 4.3	5.0 5.9	5.0 6.7	5.0 5.4	0.0 1.3
š	28	3	2.1	2.3	2.4	2.2	0.3	7	4.3	5.2	14.4	11.4	10.9
	29	4	2.6	4.8	7.1	5.0	2.4	0	-	-	-	-	-
	30	1	4.3	4.3	4.3	4.3	0.0	1	5.0	5.0	5.0	5.0	0.0
1	31	1	3.2	3.2	3.2	3.2	0.0	1	5.3	5.3	5.3	5.3	0.0
1	32	3	2.5	2.7	2.9	2.7	0.4	2	6.7	7.7 5.7	9.0	7.9 5.7	1.9 0.4
1	33	1	2.5 3.3	3.3	3.1	2.9 3.3	0.5	0	5.5	5.7	5.9	5.7	- 0.4
1	35	3	3.2	3.2	3.3	3.2	0.1	0	-	-	-	-	-
1	36	4	3.0	4.4	5.9	4.6	1.8	4	5.9	6.0	6.3	6.2	0.4
1	37	4	2.9	3.2	3.5	3.1	0.4	0	-	-	-	-	-
1	38	1	3.2	3.2	3.2	3.2	0.0	2	6.5	7.1	7.8	7.1	1.3
1	39 40	0	11.4	16.6	21.8	16.6	10.4	2	4.7 6.9	4.7 7.2	4.7 7.4	4.7 7.2	0.0
1	41	0	-	-	-	-	-	1	6.0	6.0	6.0	6.0	0.0
1	42	2	5.2	7.5	9.7	7.5	4.5	2	5.0	5.3	5.7	5.3	0.7
1	43	0	-	-	-	-	-	0	-	-	-	-	-
1	44	1	3.8	3.8	3.8	3.8	0.0	2	4.2	4.2	4.3	4.2	0.1
1	45	0	-	-	-	-	-	0	-	-	-	-	-
1	46 47	1	3.2	3.2	3.2	3.2	0.0	2	4.7	4.9	5.2	4.9	0.5
1	48	2	8.4	10.7	13.0	10.7	4.6	0	-	-	-	-	-
1	49	1	3.2	3.2	3.2	3.2	0.0	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52 53	0	-	-	-	-	-	0	-	-	-	-	-
<u> </u>	- 50								1	·			

L	57		Dov	vnstrea	m Dire	ction				Jpstrear	n Direct	ion	
				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	ı,		ercenti		1010		¥		ercentil		luto (not	
Time	Time	Count				ł <u>.</u>	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	661	1.9	2.2	2.4	2.9	2.7	679	3.4	4.1	4.9	4.6	2.5
	Jan Feb	232 169	2.2	2.3	2.6	3.2 2.8	3.1 2.6	230 190	3.3	3.8 4.2	4.8 4.8	4.5 4.5	2.7
	Mar	219	1.8	2.0	2.3	2.7	2.3	213	3.5	4.3	5.1	4.8	2.4
	Apr	25	1.7	1.9	2.2	4.0	4.2	36	3.3	4.0	4.9	4.6	2.4
	May	2	1.7	1.8	1.8	1.8	0.0	0	-	-	-	-	-
ιţ	Jun	5	2.0	2.2	2.5	2.2	0.3	4	4.7	5.2	5.5	5.1	0.6
Month	Jul	2	2.5	2.6	2.8	2.6	0.3	2	3.8	4.1	4.3	4.1	0.5
	Aug	4	2.3	2.7	3.4	2.9	0.9	0	-	-	-	-	-
	Sep	3	2.2	2.3	2.7	2.5	0.4	3	4.1	4.7	7.0	5.8	2.5
	Oct	0	-	-	-	-	-	1	7.7	7.7	7.7	7.7	0.0
	Nov	0	-	-	-	-	-	0	-	-	-	-	-
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	41	2.3	2.3	2.4	2.7	1.6	33	3.7	4.2	4.8	4.9	3.4
	2	46	2.1	2.3	2.7	3.7	4.3	56 56	3.3	4.0	4.5	4.2	1.4
	3 4	51 55	2.0	2.3	2.5	2.9	2.3	56 58	3.1	4.0 3.8	5.0 4.5	4.3 4.4	1.7 2.4
	5	57	2.1	2.3	2.5	3.4	3.6	48	3.3	3.9	4.9	4.4	3.7
	6	50	2.1	2.3	2.3	2.6	1.4	50	3.3	4.2	4.8	4.3	1.4
	7	40	2.0	2.2	2.4	3.4	4.2	40	2.9	3.8	5.0	4.8	4.2
	8	46	2.0	2.3	2.4	2.8	2.3	68	3.7	4.1	4.8	4.4	1.3
	9	15	2.2	2.3	2.7	2.7	1.3	11	4.4	4.8	5.0	4.5	0.8
	10	41	2.0	2.3	2.4	2.6	1.4	48	3.4	4.0	4.7	4.3	1.3
	11	53	1.7	1.9	2.3	3.3	3.3	56	3.8	4.4	5.8	4.9	1.7
	12	50	1.7	1.8	2.1	2.5	1.9	49	3.7	4.7	5.4	5.3	3.5
	13	62	1.7	2.0	2.2	2.4	2.1	58	3.3	3.7	4.9	4.5	2.4
	14	38	1.7	1.9	2.2	3.3	3.6	37	3.3	4.1	4.9	4.6	2.4
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0				<u> </u>		1	4.7	4.7	4.7	4.7	0.0
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	1	1.8	1.8	1.8	1.8	0.0	0	-	-	-	-	-
	22	1	1.7	1.7	1.7	1.7	0.0	0	-	-	-	-	-
	23	0	-	-	-	-	-	1	5.4	5.4	5.4	5.4	0.0
	24	1	1.7	1.7	1.7	1.7	0.0	3	4.5	4.9	5.4	5.0	0.7
	25	3	2.3	2.5	2.5	2.4	0.2	0	-	-	-	-	-
쓩	26	1	2.0	2.0	2.0	2.0	0.0	0	-	-	-	-	-
Week	27 28	0	2.3	2.3	2.3	2.3	0.0	1	4.6	4.6	4.6	4.6	0.0
	29	0	-	-	-	-	-	0	4.0	4.0	4.0	4.0	-
	30	1	2.9	2.9	2.9	2.9	0.0	1	3.6	3.6	3.6	3.6	0.0
	31	0	-	-	-		-	0	-	-	-	-	-
	32	2	2.1	2.2	2.3	2.2	0.2	0	-	-		-	-
	33	1	4.4	4.4	4.4	4.4	0.0	0	-	-	-	-	-
	34	1	3.0	3.0	3.0	3.0	0.0	0	-	-	-	-	-
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36	0	-	-	-	-	-	1	4.7	4.7	4.7	4.7	0.0
	37	2	2.2	2.2	2.3	2.2	0.1	1	9.2	9.2	9.2	9.2	0.0
	38	1	3.0	3.0	3.0	3.0	0.0	0	- 26	- 26	- 26	- 26	-
	39 40	0	-	-	-	-	-	0	3.6	3.6	3.6	3.6	0.0
	41	0		-	-	-		0	-	-	-	-	-
	42	0	-	-	-	-	-	1	7.7	7.7	7.7	7.7	0.0
	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	0	-	-	-	-	-	0	-	-	-	-	-
	45	0	-	-	-	-	-	0	-	-	-	-	-
	46	0	-	-	-	-	-	0	-	-	-	-	-
	47	0	-	-	-	-	-	0	-	-	-	-	-
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
Щ	00	J			-			U					

L	58		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit				vel Tim			ur)					ate (hou	ır)
آڌ	e Pd.	Ħ		ercenti		,		ı		ercentil		ì	
Time	Time I	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2013	658	5.8	7.7	16.0	13.2	13.1	681	10.4	12.8	16.5	15.1	9.2
Ė	Jan	225	7.5	11.8	18.5	14.6	9.8	234	9.8	11.7	15.5	13.5	5.7
	Feb	157	6.2	7.4	14.7	11.8	11.3	175	10.8	12.9	16.3	15.0	8.5
	Mar	214	4.9	5.8	8.4	9.1	9.0	210	10.9	13.0	16.2	15.2	9.1
	Apr	22	5.3	6.3	16.0	16.7	21.6	28	9.6	13.5	15.3	13.5	5.1
اء	May	0	-	-	-	-	-	1	14.1	14.1	14.1	14.1	0.0
Month	Jun	10	12.8	36.6	47.4	31.8	18.6	8	12.7	13.6	17.7	18.4	10.2
ĕ∣	Jul	7	11.7	27.6	58.8	37.0	28.6	7	12.8	16.8	22.3	20.2	10.0
	Aug	9	6.3	6.5	37.1	21.3	22.2	5	13.8	45.3	64.2	42.0	25.0
	Sep Oct	8 5	6.5 7.3	23.4 7.7	75.7 17.0	36.9 20.1	32.1 21.3	5 7	16.8 16.8	18.4 17.9	72.9 27.4	40.3 25.6	31.2 14.4
	Nov	1	49.1	49.1	49.1	49.1	0.0	1	26.0	26.0	26.0	26.0	0.0
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	40	9.0	12.8	21.1	15.3	6.8	31	10.7	12.3	15.0	13.9	4.9
	2	44	8.6	18.1	27.8	19.4	11.1	55	9.8	12.1	17.5	13.7	5.0
	3	55	7.0	11.4	16.1	13.2	10.2	57	9.5	11.0	13.3	12.8	6.8
	4	51	7.4	9.8	13.8	11.6	5.4	57	8.9	10.2	14.2	12.4	5.2
	5	53	6.3	8.0	11.4	11.9	10.8	53	11.3	13.2	17.1	14.8	5.1
	6	49	5.7	6.3	6.8	7.0	2.8	50	10.9	12.5	16.4	16.9	13.7
	7	31	6.2	9.6	16.6	17.0	19.5	34	11.2	13.2	18.3	15.7	6.2
	8	44 15	8.0	14.8	18.9	14.1	6.5	62	10.7	13.3	15.7	13.9	4.0
	9 10	15 44	7.3 5.8	10.9 6.7	15.3 7.9	15.7 8.1	14.6 3.8	10 56	9.4 10.5	12.5 12.3	16.2 14.8	13.0 14.3	3.8 8.6
	11	55	4.9	5.3	6.8	6.5	3.2	62	11.6	14.5	17.1	15.7	8.2
	12	49	4.7	5.1	5.8	8.8	9.7	39	11.7	13.8	16.0	17.2	13.3
	13	57	5.1	6.1	14.3	12.0	12.7	51	10.4	12.2	15.8	14.2	6.1
	14	31	5.1	6.3	15.1	15.4	19.4	30	9.8	13.5	15.4	13.5	4.9
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0 1	14.1	14.1	14.1	14.1	-
	22	0	-	-	-	-	-	0	14.1	14.1	14.1	14.1	0.0
	23	0	-	-	-	-	-	1	15.3	15.3	15.3	15.3	0.0
	24	1	4.9	4.9	4.9	4.9	0.0	2	12.9	13.1	13.2	13.1	0.3
	25	6	39.6	45.4	50.7	45.3	7.7	4	13.2	19.4	29.6	23.4	12.5
┰	26	3	6.5	7.4	18.1	13.9	10.5	1	12.4	12.4	12.4	12.4	0.0
Week	27	0	-	-	-	-	-	1	16.8	16.8	16.8	16.8	0.0
^	28	2	26.0	35.1	44.2	35.1	18.2	2	19.7	27.2	34.7	27.2	15.0
	29	1	64.3	64.3	64.3	64.3	0.0	2	14.3	16.2	18.0	16.2	3.7
	30	2	26.1	45.7	65.3	45.7	39.2	2	16.0	19.0	21.9	19.0	5.9
	31	2	11.0	16.5	22.0	16.5	11.1	1	45.3	45.3	45.3	45.3	0.0
	32	5 0	5.8	7.9	37.1	24.7	24.3	0	-	-	-	-	-
	34	0	-	-		-	-	0	-		-	-	
	35	4	6.4	6.5	17.1	17.0	18.4	4	13.7	39.0	66.6	41.2	27.9
	36	4	29.2	55.2	75.8	49.9	27.8	2	25.8	41.5	57.2	41.5	31.4
	37	3	5.8	6.2	6.4	6.0	0.5	2	34.7	50.9	67.2	50.9	32.5
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	1	77.3	77.3	77.3	77.3	0.0	1	16.8	16.8	16.8	16.8	0.0
	40	1	6.6	6.6	6.6	6.6	0.0	1	16.3	16.3	16.3	16.3	0.0
	41	1	61.9	61.9	61.9	61.9	0.0	2	25.6	36.5	47.4	36.5	21.8
	42	3	7.5	7.7	12.3	10.6	4.5	3	19.8	22.3	27.4	24.0	6.3
	43	0	-	-	-	-	-	0	17.9	17.9	17.9	17.9	0.0
	45	0	-	-	-	-	-	1	26.0	26.0	26.0	26.0	0.0
	46	0	-	-	-	-	-	0	-	-	-	-	-
	47	1	49.1	49.1	49.1	49.1	0.0	0	-	-	-	-	_
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0			-		-	0	-	-	-	-	
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	_	-	0	-	-	-	-	-

L	59		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time (	Time F	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Ē	Ė	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2013	2079	5.1	6.2	7.8	11.8	16.2	2098	10.7	13.5	18.2	17.3	12.9
	Jan	229	6.3	7.2	11.4	10.3	7.0	241	12.6	17.3	25.2	20.2	10.5
	Feb	200	5.7	6.4	8.2	12.3	15.9	187	9.7	12.2	17.1	15.6	11.1
	Mar Apr	244 114	4.8	5.4 5.0	6.3 6.2	6.9 8.8	7.7 13.7	250 145	10.4 11.4	12.2 13.9	15.7 18.1	14.9 16.1	10.0 9.4
	May	177	4.6	4.9	5.4	11.9	19.1	158	10.4	12.3	15.8	16.9	15.1
Month	Jun	183	4.4	4.7	5.3	10.6	16.3	177	11.5	13.9	17.6	18.3	14.4
₽	Jul	188	5.0	5.6	6.7	13.7	20.4	183	9.6	11.3	13.6	14.8	13.1
	Aug	101	5.8	6.8	8.7	15.6	20.8	113	9.7	11.6	15.8	17.7	17.1
	Sep	148	5.7	6.7	7.8	12.7	18.0	162	10.6	12.9	16.4	15.1	10.0
	Oct Nov	160 176	6.2	7.0 6.9	9.0	13.4 14.5	17.5 19.4	165 178	13.1	16.7 14.8	22.2 21.0	20.7 19.4	14.4 14.2
	Dec	159	6.5	7.4	10.9	13.4	15.5	139	11.0	14.7	19.5	18.4	14.0
	1	41	6.3	6.9	11.5	8.8	3.6	25	12.5	17.3	29.5	21.7	10.8
	2	50	6.3	8.0	21.9	13.2	9.4	64	16.4	24.8	31.3	26.1	12.2
	3	56	6.2	7.0	7.6	9.3	6.7	55	14.3	16.6	22.5	18.5	7.2
	4	58	6.5	7.2	8.2	8.7	4.5	57	10.6	15.2	19.2	15.3	5.9
	5 6	52 65	5.8 5.9	6.4 6.8	8.0 14.2	10.0 17.0	8.4 20.7	55 42	10.2 8.9	13.7 10.5	19.3 12.6	16.9 11.4	10.5 3.2
	7	29	5.2	6.2	6.8	8.0	6.1	44	8.2	9.4	12.8	16.7	18.2
	8	46	5.7	6.2	7.8	8.5	8.7	66	11.4	15.4	23.4	17.2	6.5
	9	33	5.9	6.8	11.7	16.1	20.0	32	13.9	16.0	22.4	25.3	19.7
	10	56	5.5	6.3	7.1	6.7	2.4	65	9.6	10.7	13.1	11.4	3.0
	11	62	4.7	5.1	5.7	5.8	4.1	65	10.8	12.5	15.7	13.8	4.5
	12	58	4.7	5.0	5.4	5.1	0.6	45 50	10.8	13.0	15.0	13.9	6.3
	13 14	59 48	5.0 5.1	5.6 5.8	6.5 6.3	9.9 6.7	14.3 4.5	59 47	10.6 10.5	13.1 13.3	17.2 17.0	16.4 15.4	11.7 8.6
	15	6	5.2	5.5	5.7	5.4	0.3	11	14.2	16.3	17.7	16.2	2.7
	16	25	4.9	5.4	7.2	12.7	19.6	33	11.7	14.1	17.2	14.6	4.6
	17	29	4.3	4.5	4.7	6.7	8.6	40	11.7	14.3	22.2	19.4	14.2
	18	32	4.5	4.8	5.5	12.9	20.9	44	11.1	13.5	16.2	14.7	8.3
	19	51	4.5	4.8	5.1	7.2	11.5	39	8.9	11.4	12.7	15.2	15.7
	20	37 35	4.7 4.5	5.1 4.9	5.7 5.5	11.4 13.8	18.1 20.6	27 35	10.7	12.1 12.9	14.7 19.5	12.7 21.9	3.9 20.7
	22	47	4.6	4.8	5.7	14.5	22.5	34	11.9	14.3	17.1	19.0	13.8
	23	24	4.1	4.4	4.7	11.6	20.2	28	12.7	15.6	25.7	23.5	18.5
	24	39	4.2	4.5	4.9	9.8	14.6	56	11.1	13.6	16.0	15.3	9.4
	25	60	4.4	4.8	5.1	7.4	10.4	37	12.1	13.8	17.2	18.6	16.1
송	26	39	4.7	5.1	6.3	16.1	21.8	46	11.6	14.3	17.1	17.6	13.5
Week	27 28	52 51	4.9 4.9	5.3 5.5	5.8 8.8	12.0 17.2	18.8 24.6	49 49	10.9 9.5	12.8 10.8	16.3 14.4	17.4 14.9	15.6 12.7
	29	42	5.2	5.7	6.5	14.1	20.3	47	9.3	10.4	11.8	12.7	9.5
	30	39	5.2	5.7	6.3	10.3	14.0	32	10.3	12.0	13.6	15.1	13.9
	31	30	5.4	6.6	8.0	15.8	21.9	29	9.5	10.6	12.9	14.4	13.4
	32	21	5.7	7.3	13.8	17.9	22.0	28	10.3	13.5	21.3	24.5	23.7
	33	17	5.9	6.8	12.2	12.6	14.2	12	11.0	14.1	37.3	27.5	23.7
	34 35	14 33	6.5 5.7	7.0 7.1	16.9 7.9	20.3 14.0	24.7 19.2	14 43	9.4	12.2 10.9	13.5 14.9	12.2 14.3	2.8 11.2
	36	41	5.6	6.2	7.3	9.7	12.2	51	10.0	11.9	14.9	15.1	13.1
	37	41	5.7	6.5	7.7	12.6	16.6	36	11.7	13.4	16.9	14.3	4.1
	38	29	5.9	7.3	8.5	15.3	21.1	33	11.2	12.8	17.7	16.0	11.8
	39	34	5.9	6.9	7.9	15.0	22.3	35	10.7	13.0	17.3	15.0	7.1
	40	18	6.2	7.0	11.3	16.7	20.8	31	12.9	15.4	18.5	17.9	11.9
	41 42	36 41	6.2	6.9 6.8	7.8 10.7	7.5 16.5	2.4	33 44	13.0 12.9	16.7 15.7	22.2	20.4 18.8	13.2 10.6
	43	46	6.4	7.1	9.6	13.5	18.0	49	13.5	17.2	23.6	22.7	16.5
	44	35	6.4	7.1	8.7	12.5	14.4	22	13.3	17.5	23.8	22.5	16.7
	45	47	6.4	7.5	17.9	21.2	24.8	51	12.0	17.3	27.2	23.4	17.7
	46	27	5.5	6.1	9.3	8.5	5.3	32	12.6	13.9	20.1	18.1	12.0
	47	33	6.1	6.9	7.7	11.0	15.5	43	11.3	14.1	17.1	17.0	11.8
	48	56	6.3	7.0	8.7	14.7	20.4	45	11.5	13.4	17.9	17.9	13.2
	49 50	36 25	6.8 7.0	7.7 7.8	10.7	14.8 17.5	18.8 19.8	30 25	12.9 10.5	16.9 13.3	19.3	20.9	15.4 7.3
	51	20	6.5	8.4	15.8 9.9	10.5	8.8	30	11.0	14.6	18.9 19.6	15.1 20.9	18.5
	52	55	6.4	7.0	12.3	13.2	14.7	38	11.3	15.2	21.1	19.3	13.6
	53	23	6.3	7.3	9.1	9.8	7.4	16	8.4	10.8	13.9	11.8	4.6

**Travel Time Estimate Results by Link, 2014** 

Г	1		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
				vel Tim			ur)				ne Estim		ır)
Time Unit	Pd.	Ħ						Ħ		ercentil		luto (iiot	
Ξ	Time I	Count		ercenti		١.	Std.	Count				١.	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	33 0	1.5	1.7	1.8	1.8	0.5	33 0	1.6	1.7	2.1	2.4	3.2
	Feb	0	-	-	-	-	-	0	-		-	-	-
	Mar	0	-	-	-	-	-	0		-	-	-	
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
	May	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
ě	Jul	20	1.5	1.7	1.7	1.7	0.6	20	1.6	1.7	2.3	2.8	4.0
	Aug	9	1.7	1.8	2.0	1.9	0.5	9	1.6	1.7	1.8	1.6	0.2
	Sep	4	1.5	1.6	1.7	1.5	0.3	4	1.8	1.8	1.8	1.8	0.1
	Oct	0	-	-	-	-	-	0	-	-	-	-	-
	Nov Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-		<del>-</del>	-	0			<del>-</del>		
	2	0	-	-	-	-	-	0	-	-	_	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
1	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0			-	-	
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	
	22	0	-	-	-	-	-	0	-	-	-	-	_
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
쓩	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	- 4 7	-	-	-	-
	28 29	10 6	1.5 1.5	1.5 1.7	1.7	1.6 2.0	0.2	10 6	1.7 1.5	2.1 1.7	2.3	3.8 1.9	5.5 0.6
	30	3	1.6	1.7	2.0	1.8	0.9	3	1.7	1.7	1.9	1.8	0.0
1	31	1	1.7	1.7	1.7	1.7	0.0	1	1.7	1.7	1.7	1.7	0.0
1	32	1	1.7	1.7	1.7	1.7	0.0	1	1.2	1.2	1.2	1.2	0.0
	33	2	1.4	1.5	1.6	1.5	0.2	2	1.6	1.7	1.7	1.7	0.1
1	34	3	1.9	2.0	2.5	2.3	0.6	3	1.8	1.8	1.8	1.8	0.0
	35	2	2.0	2.0	2.0	2.0	0.1	2	1.6	1.7	1.7	1.7	0.1
	36	2	1.2	1.4	1.5	1.4	0.3	2	1.6	1.6	1.6	1.6	0.0
1	37 38	1	1.6	1.6	1.6	- 1.6	0.0	1	1.8	1.8	1.8	1.8	0.0
1	39	2	1.7	1.7	1.8	1.7	0.0	2	1.8	1.8	1.8	1.8	0.0
	40	0	-	-	-	-	-	0	-	-	-	-	-
1	41	0	-	-	-	-	-	0	-	-	-	-	
1	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	0	-	-	-	-	-	0	-	-	-	-	-
	44	0	-	-	-	-	-	0	-	-	-	-	-
1	45	0	-	-	-	-	-	0	-	-	-	-	-
1	46	0	-	-	-	-	-	0	-	-	-	-	-
	47 48	0	-	-	-	-	-	0	-	-	-	-	-
	48	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	2		Dov	vnstrea	m Dire	ction		1		Inetroar	n Direct	ion	
Unit						ate (ho	ur)					ate (hou	1 <b>r</b> \
Į,	Pd.	ı		ercenti				Ħ		ercentil		late (not	
Time	Time	Count					Std.	Count					Std.
<u> </u>	2014		<b>25th</b> 1.5	50th	75th	Avg.	<b>Dev.</b> 14.6		25th	50th	75th	Avg.	<b>Dev.</b> 4.0
H	Jan	43 0	1.5	1.7	3.8	7.5	14.6	42 0	1.6	2.0	2.1	3.0	4.0
	Feb	0				<del></del>		0	-			<del></del>	
	Mar	0	-	-	-	-	-	0	-	-	-	_	_
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
	May	2	16.8	28.4	40.0	28.4	23.3	2	2.5	3.0	3.4	3.0	0.9
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
ĕ	Jul	7	3.8	4.7	17.8	12.9	14.3	7	2.0	2.2	2.2	4.4	5.6
	Aug	9	1.8	2.3	17.2	15.2	21.5	9	1.8	2.1	2.5	5.2	6.2
	Sep	8	1.5	1.6	1.8	1.6	0.2	7	1.7	1.7	2.0	1.8	0.2
	Oct	10	1.3	1.5	1.7	1.5	0.2	10	1.5	1.5	2.2	1.9	0.6
	Nov Dec	7	1.5	1.7	1.7	1.6	0.3	7	1.5	1.6	2.0	1.7	0.3
	1	0				-		0	-		-	<del>-</del>	<del>-</del>
	2	0	-	-	-	-	_	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-		0	-	-	-	-	<del>-</del>
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	
	22	2	16.8	28.4	40.0	28.4	23.3	2	2.5	3.0	3.4	3.0	0.9
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
χ	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
ľ	28	5	3.4	4.2	4.7	8.6	10.2	4	2.1	2.2	6.1	6.1	6.9
	29 30	1	6.6 40.8	6.6 40.8	6.6 40.8	6.6 40.8	0.0	1	2.0	2.1	2.2	2.1	0.2
	31	0	-			-70.0	-	0	-	-	-	-	-
	32	1	4.4	4.4	4.4	4.4	0.0	1	1.6	1.6	1.6	1.6	0.0
	33	2	1.9	1.9	1.9	1.9	0.0	2	15.4	16.6	17.8	16.6	2.4
	34	3	9.5	17.2	28.8	19.8	15.9	3	1.9	2.0	2.0	2.0	0.1
	35	2	17.6	33.5	49.4	33.5	31.8	2	2.2	2.3	2.4	2.3	0.2
	36	2	1.6	1.8	2.0	1.8	0.5	1	1.7	1.7	1.7	1.7	0.0
	37 38	2	1.6	1.7	1.7	1.7	0.2	2	1.8	1.9	2.0	1.9	0.2
	39	4	1.6	1.7	1.7	1.7	0.2	4	1.8	1.8	2.0	1.8	0.2
	40	1	1.5	1.5	1.5	1.5	0.0	1	1.6	1.6	1.6	1.6	0.2
	41	2	1.3	1.5	1.6	1.5	0.3	2	1.8	2.0	2.1	2.0	0.4
	42	2	1.4	1.5	1.6	1.5	0.2	2	1.7	1.9	2.1	1.9	0.4
	43	3	1.3	1.3	1.4	1.4	0.2	3	1.4	1.5	2.4	2.0	0.9
	44	4	1.6	1.7	1.8	1.7	0.2	4	1.5	1.5	1.6	1.6	0.1
	45	3	1.4	1.7	1.7	1.5	0.2	3	1.7	1.9	2.0	1.9	0.2
	46	3	1.5	1.5	1.6	1.5	0.1	3	1.3	1.3	1.7	1.6	0.4
	47 48	0	-	-	-	-	-	0	-	-	-	-	-
	48	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	3		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ır)
e U	e Pd.	ı		ercenti				i i		ercentil			
Time I	Time F	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Ϋ́	2014	22	2.7	3.7	6.8	6.2	5.3	23	5.1	13.8	17.7	11.6	6.2
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	1	10.5	10.5	10.5	10.5	0.0	0	-	-	-	-	-
゠	May	1	13.7	13.7	13.7	13.7	0.0	1	11.8	14.3	16.8	14.3	5.0
Month	Jun Jul	0	-	-	-	-	-	0	5.8	5.8	5.8	5.8	0.0
_	Aug	3	2.7	2.9	8.6	6.6	5.5	2	8.5	12.1	15.7	12.1	7.2
	Sep	6	2.7	2.7	5.9	6.1	6.1	7	4.4	13.8	17.7	11.6	6.5
	Oct	6	3.2	3.7	5.5	6.3	5.6	4	11.6	15.2	17.1	13.5	5.7
	Nov	5	3.4	3.7	3.7	3.5	0.5	7	5.8	6.7	16.9	10.5	6.0
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	1	10.5	10.5	10.5	10.5	0.0	0	-	_	-	-	-
	18	0	-		-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	1	9.2	9.2	9.2	9.2	0.0
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	13.7	13.7	13.7	13.7	0.0	1	19.3	19.3	19.3	19.3	-
	23	0	-	-	-	-	-	0	19.3	19.5	19.5	19.3	0.0
	24	0	-	-	-	-	-	1	5.8	5.8	5.8	5.8	0.0
	25	0	-	-	-	-	-	0	-	-	-	-	-
쑮	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
	28 29	0	-	-	-	-	-	0	-	-	-	-	-
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	0	-	-	-	-	-	0	-	-	-	-	-
	32	0	-	-	-	-	-	0	-	-	-	-	-
	33	1	14.3	14.3	14.3	14.3	0.0	2	8.5	12.1	15.7	12.1	7.2
	34 35	1	2.9	2.9	2.9	2.9	0.0	0	-	-	-	-	-
	36	1	19.2	19.2	19.2	19.2	0.0	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	1	2.8	2.8	2.8	2.8	0.0	2	7.8	11.1	14.4	11.1	6.6
	39	4	2.5	2.7	3.8	3.6	2.0	3	4.2	4.2	11.0	8.7	6.4
	40	0	-	-	-	-	-	2	15.1	16.4	17.6	16.4	2.5
	41	2	2.7	2.8	2.9	2.8	0.2	2	- 15.3	16.7	18.0	- 16.7	2.7
	43	1	3.8	3.8	3.8	3.8	0.2	1	4.3	4.3	4.3	4.3	0.0
	44	3	4.9	6.1	12.3	9.4	6.5	1	16.3	16.3	16.3	16.3	0.0
	45	3	3.0	3.4	3.8	3.3	0.6	4	14.2	16.9	17.3	14.6	4.6
	46	1	3.7	3.7	3.7	3.7	0.0	2	5.6	5.8	6.0	5.8	0.5
	47	1	3.7	3.7	3.7	3.7	0.0	1	3.2	3.2	3.2	3.2	0.0
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49 50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	4		Dov	vnstrea	m Dire	ction				Jpstrear	n Direct	ion	
_				vel Tim			ur)					ate (ho	ur)
• Unit	∍ Pd.	nt		ercenti				Ħ		ercentil			
Time I	Time	Count				1	Std.	Count				1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	314 0	1.3	1.7	1.9	1.9	1.4	293	1.8	2.2	2.7	2.8	2.0
	Feb	0	-	-		-	-	0					<del>-</del>
	Mar	0	_	_	_	_	_	0	_	_	_	_	_
	Apr	20	1.1	1.3	1.4	1.3	0.2	21	1.8	2.3	2.6	2.8	2.1
	May	44	1.3	1.3	1.5	1.6	1.0	46	2.0	2.1	2.5	2.6	1.5
Month	Jun	37	1.3	1.3	1.4	1.7	1.4	34	1.9	2.2	2.7	3.0	2.6
₽	Jul	20	1.1	1.3	1.7	2.0	2.9	16	1.8	2.1	2.3	2.2	0.7
	Aug	55	1.7	1.9	2.1	2.0	1.1	53	1.9	2.3	3.2	2.8	1.9
	Sep	46	1.6	1.7	1.9	2.3	1.9	41	2.1	2.3	2.7	2.8	1.6
	Oct	45	1.6	1.8	1.9	1.9	1.0	36	1.9	2.2	2.7	3.2	2.8
	Nov Dec	47 0	1.6	1.8	1.9	1.8	0.3	46 0	1.7	1.8	2.3	2.4	2.0
	1	0			-	<del>-</del>	-	0				_	
	2	0	-	-	-	-	-	0	-	_	-	_	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	_	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	1	0.9	0.9	0.9	0.9	0.0	1	2.6	2.6	2.6	2.6	0.0
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	12	1.1	1.4	1.5	1.3	0.2	13	1.8	2.2	2.6	3.1	2.6
	18 19	10 13	1.2	1.3	1.3	1.3 1.2	0.1	10 12	2.0	2.3	2.6 2.4	2.3	0.5 1.0
	20	10	1.2	1.3	1.4	1.3	0.1	11	2.0	2.1	2.5	2.3	0.5
	21	7	1.3	1.6	1.9	1.9	1.0	8	2.1	2.2	3.2	3.6	2.9
	22	11	1.4	1.6	1.8	2.2	1.5	12	2.0	2.2	2.6	2.4	0.5
	23	12	1.3	1.4	1.5	1.4	0.2	12	2.0	2.2	3.0	2.6	0.9
	24	9	1.3	1.4	1.4	2.0	2.0	6	1.9	2.1	2.4	2.1	0.4
	25	9	1.3	1.3	1.3	1.3	0.1	7	1.8	2.3	4.1	3.4	2.4
Week	26 27	7	1.1	1.2	1.6 1.2	2.1 1.1	2.1 0.1	8	1.9	2.0	2.5	3.8 2.4	4.5 0.9
š	28	2	4.7	8.0	11.3	8.0	6.7	2	1.8	2.0	2.3	2.4	0.9
	29	3	1.4	1.5	1.7	1.6	0.2	0	-	-	-	-	-
	30	6	1.5	1.7	1.9	1.7	0.3	6	2.0	2.1	2.6	2.5	0.9
	31	3	1.0	1.0	1.0	1.0	0.0	2	1.7	1.8	1.9	1.8	0.1
	32	10	1.8	2.0	2.1	1.9	0.3	9	1.7	2.1	3.2	2.8	1.6
	33	14	1.9	2.0	2.2	2.6	2.0	17	1.9	2.4	3.3	2.7	0.9
	34	20	1.7	1.9	2.1	1.9	0.3	19	1.9	2.3	3.2	3.3	2.8
	35 36	10 13	1.7	1.9	1.9	1.7 2.6	0.3 2.4	6 11	1.7 2.3	2.0	2.1	2.0	0.4
	37	5	1.6	1.7	1.8	1.7	0.2	8	2.3	2.3	2.3	2.5	0.3
	38	11	1.6	1.7	1.9	2.8	2.6	8	1.9	2.4	2.7	2.4	0.6
	39	12	1.6	1.8	1.9	1.7	0.2	12	2.0	2.5	3.8	3.8	2.7
	40	13	1.7	1.8	2.0	2.5	1.7	13	1.8	2.3	2.7	2.4	8.0
	41	6	1.5	1.7	1.8	1.7	0.2	2	2.1	2.2	2.2	2.2	0.1
	42	6	1.5	1.6	1.7	1.6	0.2	6	2.2	2.5	6.2	4.8	3.8
	43	13 14	1.6	1.8 1.9	1.9 2.0	1.8 1.8	0.3	12 9	1.8	2.0	2.4 3.0	3.3 2.8	3.4 1.5
	44	17	1.7	1.8	1.9	1.8	0.2	17	2.1	2.4	3.4	3.5	3.0
	46	10	1.7	1.8	1.9	1.9	0.4	20	1.5	1.7	1.9	1.8	0.6
	47	18	1.4	1.8	1.9	1.7	0.3	6	1.5	1.7	1.7	1.8	0.5
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
Щ	JJ	U			-			U					

L	5		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				ŧ		ercentil		1000	
Time	Time	Count					Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	323 0	3.0	3.8	4.8	4.5	3.6	320 0	3.2	4.2	5.3	4.9	3.2
	Feb	0	-	-	-	-	-	0	-		-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	20	1.6	2.0	2.3	2.2	0.8	21	3.8	4.1	4.9	5.6	3.6
	May	45	2.1	2.9	3.6	3.6	3.4	48	3.7	4.0	4.6	4.8	3.3
Month	Jun	38	3.2	3.4	4.6	5.0	4.3	37	3.3	4.0	5.0	5.3	4.7
Š	Jul	20	2.8	3.7	4.9	4.2	2.8	15	2.6	2.9	4.6	3.9	1.8
	Aug	54	3.6	4.0	5.7	4.7	2.3	57	4.2	5.7	7.3	6.1	3.1
	Sep Oct	50 47	3.2	3.7 4.0	4.3 5.2	4.4 5.1	3.2 5.1	49 45	3.1	4.1 4.5	4.6 6.0	3.9 5.5	1.1 3.7
	Nov	49	3.9	4.6	6.2	5.6	3.2	48	2.1	3.1	4.4	3.6	1.8
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
Î	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6 7	0	-	-	-	-	-	0	-	-	-	-	-
Î	8	0	-	-	-	-	-	0	-	-	-	-	-
Î	9	0	-	-	-	-	-	0	-	-	-	-	-
1	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	- 1 2	- 10	10	10	-	0	- 4.1	- 4.1	- 4.1	- 4.1	-
	14 15	0	1.3	1.3	1.3	1.3	0.0	0	4.1	4.1	4.1	4.1	0.0
	16	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
	17	12	1.6	2.2	2.6	2.3	0.8	13	3.8	4.3	5.0	6.4	4.3
	18	10	1.8	2.0	2.5	2.3	8.0	10	3.5	3.8	4.4	4.0	0.9
	19	14	1.9	2.5	3.3	3.4	3.1	12	4.0	4.1	4.7	4.8	1.4
	20	10	2.1	2.8	3.5	2.9	0.9	11	3.7	3.9	4.0	3.9	0.6
	21	7 11	2.4	2.8 3.5	3.2	2.8 5.0	0.6 5.5	11	2.9 3.9	4.3	5.4 4.7	5.2 5.7	4.0 5.5
	23	12	3.2	4.0	4.7	4.1	1.4	13	3.7	4.0	5.0	4.6	2.6
	24	9	3.1	3.2	3.3	3.4	1.2	6	2.8	3.7	3.9	3.4	1.0
	25	9	3.4	3.5	3.8	4.5	3.0	9	3.6	4.1	5.9	4.9	2.3
×	26	8	3.2	6.0	11.3	9.0	7.4	8	2.1	4.1	11.8	8.5	8.3
Week	27	5	2.9	5.5	5.6	4.4	1.7	5	2.7	2.9	6.8	4.5	2.2
	28 29	3 4	3.8	3.9 4.2	4.0 5.2	3.9 4.7	0.1 1.2	3 1	2.3	2.6	3.3 2.8	2.8	0.9
	30	6	2.8	3.5	3.8	5.0	4.4	6	2.7	3.5	4.9	4.1	1.6
	31	3	1.2	1.3	1.3	1.3	0.1	2	2.4	2.4	2.4	2.4	0.0
1	32	7	3.8	3.9	5.6	4.5	1.7	11	2.6	4.8	6.7	4.7	2.0
1	33	16	3.8	5.5	6.5	5.4	1.8	17	5.7	7.1	7.6	6.8	1.8
1	34	19	3.7	4.0	4.7	4.9	3.1	18	4.2	5.4	6.9	5.9	2.6
1	35	11	3.5	3.8	4.0	3.8 5.1	1.4	9	4.6	5.2	7.3	7.5 4.4	5.3
1	36 37	12 7	3.4 2.9	3.6	4.4	5.1 3.5	4.6 0.8	11 9	3.8 2.7	4.3 3.8	5.0 4.1	3.4	0.7
1	38	10	3.2	3.5	4.2	3.7	0.9	12	3.0	4.1	4.5	3.7	1.1
Î	39	15	2.7	3.7	4.0	4.4	3.9	14	3.1	4.3	5.2	4.1	1.2
1	40	13	3.7	4.0	5.3	4.5	1.7	14	2.7	4.8	6.9	5.4	3.4
Î	41	6	3.4	3.9	4.3	3.8	1.0	3	3.1	4.3	4.5	3.7	1.2
1	42	7	3.4	3.7	4.0	3.7	0.6	7	3.8	5.1	6.4	6.7	5.1
1	43	12 17	3.6	4.4	6.1 5.1	7.8 4.3	9.2 1.4	16 12	3.7	4.7	5.9 5.0	5.7 4.0	3.7 1.4
1	45	17	3.6	4.1	4.6	5.1	4.2	16	3.7	4.3	5.0	4.0	1.2
1	46	11	3.7	4.0	4.6	4.4	1.1	22	2.0	2.2	2.9	2.7	1.3
1	47	19	5.1	6.2	8.5	6.9	2.5	7	2.4	2.8	5.5	4.3	2.8
1	48	0	-	-	-	-	-	0	-	-	-	-	-
Î	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51 52	0	-	-	-	-		0	-	-	-	-	-
1	53	0	-	-	-	-	-	0	-	-	-	-	-
_													

L	6		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				ŧ		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2014	334	1.3	1.4	1.7	1.6	1.1	329 0	1.8	2.0	2.4	2.3	1.2
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0			-	<del></del>		0			<del>-</del>		
	Apr	19	1.1	1.2	1.3	1.2	0.1	21	1.8	2.1	2.2	2.1	0.6
	May	49	1.2	1.3	1.3	1.5	1.6	52	1.8	2.0	2.3	2.3	1.7
Month	Jun	39	1.2	1.3	1.3	1.5	1.1	39	1.8	2.0	2.2	2.1	0.6
Š	Jul	21	1.2	1.3	1.3	1.3	0.2	17	1.7	1.9	2.0	1.9	0.3
	Aug	55	1.6	1.8	2.0	2.2	1.9	54	1.9	2.2	3.0	2.7	1.4
	Sep	54	1.3	1.5	1.6	1.5	0.6	51	1.9	2.2	2.7	2.5	1.7
	Oct	47	1.4	1.7	1.7	1.5	0.3	47	1.8	2.0	2.3	2.1	0.4
	Nov	50	1.5	1.7	1.8	1.7	0.5	48	1.7	1.9	2.3	2.2	1.1
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	_	-	0	-	-	_	-	_
Î	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	_
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-			-	-	0	-	-	-	-	
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11 12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0			-	<del>-</del>		0				-	
	14	1	0.9	0.9	0.9	0.9	0.0	1	1.3	1.3	1.3	1.3	0.0
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	1	1.8	1.8	1.8	1.8	0.0
	17	11	1.1	1.2	1.3	1.2	0.1	13	1.8	2.1	2.3	2.2	0.7
	18	11	1.1	1.3	1.3	1.2	0.1	11	1.7	2.1	2.2	2.1	0.4
	19	13	1.2	1.2	1.3	1.2	0.1	12	2.0	2.1	2.3	2.0	0.4
	20	12	1.2	1.2	1.3	1.2	0.2	12	1.9	2.0	2.6	2.4	0.8
	21	9	1.2	1.3	1.3	1.4 2.4	0.6 3.1	13 10	1.8	2.0 1.9	2.1	2.9	3.2 0.7
	23	12	1.3	1.3	1.4	1.3	0.1	14	1.9	2.0	2.2	2.0	0.6
	24	9	1.2	1.2	1.3	1.2	0.1	6	1.9	2.2	2.9	2.3	0.6
	25	9	1.2	1.3	1.3	1.3	0.1	9	1.8	2.0	2.3	2.2	0.8
~	26	9	1.2	1.3	1.3	2.2	2.0	9	1.7	1.8	2.0	1.8	0.3
Week	27	5	1.2	1.2	1.3	1.2	0.1	6	1.9	1.9	2.0	1.9	0.2
>	28	3	1.2	1.2	1.2	1.2	0.0	3	1.8	1.9	2.0	1.9	0.1
	29	5	1.2	1.3	1.3	1.2	0.1	2	1.8	1.8	1.9	1.8	0.1
Î	30	6 3	1.4 0.9	1.5 0.9	1.6	1.4 0.9	0.2	6	1.7	2.0 1.9	2.1 1.9	1.9 1.9	0.4
1	32	4	1.8	1.8	1.0	1.9	0.0	8	2.0	2.3	3.0	2.5	0.0
Î	33	19	1.7	1.8	2.0	1.8	0.1	17	1.9	2.2	2.8	2.4	0.7
Î	34	21	1.6	1.8	2.1	2.3	1.6	18	2.1	2.5	5.0	3.3	1.7
1	35	10	1.5	1.7	1.9	2.9	3.7	9	1.7	2.2	3.0	2.8	1.8
Î	36	12	1.5	1.6	1.7	1.9	1.2	11	2.1	2.2	3.0	2.5	0.7
1	37	7	1.5	1.5	1.6	1.5	0.1	11	1.9	2.1	2.3	3.1	3.3
1	38	14	1.0	1.3	1.4	1.2	0.3	12	1.8	2.3	2.8	2.4	0.7
Î	39 40	15 13	1.4 1.5	1.5 1.6	1.7	1.5 1.6	0.3	14	1.9 1.6	2.2	2.7 2.5	2.3	0.5
1	40	6	1.3	1.6	1.7	1.5	0.2	4	1.8	1.9	2.5	1.9	0.5
1	42	7	1.3	1.4	1.5	1.4	0.3	7	2.0	2.4	2.5	2.4	0.5
1	43	11	1.5	1.7	1.7	1.5	0.3	16	1.8	2.0	2.3	2.1	0.3
Î	44	16	1.5	1.7	1.7	1.6	0.2	12	1.8	1.9	2.3	2.5	1.7
1	45	18	1.6	1.8	1.9	2.0	0.7	17	1.9	2.0	2.4	2.2	0.4
1	46	12	1.4	1.5	1.6	1.5	0.2	22	1.7	1.8	2.1	2.0	0.8
1	47	20	1.4	1.7	1.8	1.6	0.2	7	1.7	1.8	2.2	1.9	0.5
Î	48	0	-	-	-	-	-	0	-	-	-	-	-
Î	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51 52	0	-	-	-	-	-	0	-	-	-	-	-
Î	53	0	-	-	-	<del>-</del>	<del>-</del>	0	-	-	-	-	-
_	- 55												

L	7		Dov	vnstrea	m Dire	ction			-	Jpstrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti		1010		ı,		ercentil		luto (not	
Time I	Time	Count				ł _	Std.	Count				_	Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	334	2.6	3.3	3.8	3.9	4.1	340	2.6	3.7	4.4	4.2	3.9
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	<del>-</del>	-	-	<del></del>		0					
	Apr	19	1.5	1.8	2.5	2.1	0.8	21	3.4	3.7	3.9	3.9	1.5
	May	51	2.0	3.0	3.4	3.7	5.1	52	2.7	3.5	4.0	3.9	3.2
뒫	Jun	37	3.0	3.2	3.7	5.8	7.5	41	2.3	3.2	3.6	3.3	1.5
Month	Jul	22	2.2	2.9	3.9	3.9	3.0	17	2.3	2.5	3.4	2.9	1.0
	Aug	55	3.2	3.6	4.9	4.1	1.7	63	3.5	4.4	6.1	4.9	2.0
	Sep	52	2.6	3.2	3.5	3.2	1.5	52	2.9	3.8	4.4	4.4	4.3
	Oct	49	2.8	3.6	3.8	4.0	5.2	48	3.1	3.8	4.6	5.6	7.7
	Nov	49	3.1	3.6	4.3	4.0	1.9	46	2.1	2.7	3.8	3.2	1.7
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	7	0					-	0	-	-	-	-	
ĺ	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	1	1.2	1.2	1.2	1.2	0.0	1	1.4	1.4	1.4	1.4	0.0
	15	0	1.2	-	1.2	1.2	0.0	0	1.4	1.4	1.4	1.4	- 0.0
	16	0	_	-	-	-	-	1	3.2	3.2	3.2	3.2	0.0
	17	11	1.4	1.8	2.0	1.9	0.6	13	3.5	3.8	3.9	4.1	1.7
	18	11	1.7	2.4	3.0	2.4	0.8	11	3.4	3.5	3.7	3.6	0.5
	19	13	1.8	2.6	3.1	2.3	8.0	12	3.0	3.6	3.9	3.3	0.9
	20	12	2.0	2.2	3.2	2.6	8.0	11	3.0	3.9	4.2	3.5	0.9
	21	11	2.1	3.2	4.6	7.6	10.1	14	2.7	3.5	3.9	5.1	5.7
	22	11	3.1	3.3	3.6	3.3	0.5	10	2.9	3.7	4.1	3.6	1.5
	23	12	3.1	3.2	3.3	3.1	0.6	15	2.3	3.4	4.2	3.6	2.0
	24 25	9 7	3.0 2.9	3.2	3.8	5.6 3.3	5.8 0.7	7 10	3.4 2.5	3.6	4.0 3.5	3.6 3.3	0.8 1.3
١.,	26	9	2.9	5.8	13.1	11.8	12.0	8	2.0	2.2	2.5	2.3	0.5
Week	27	5	3.6	9.3	9.8	7.8	4.1	6	2.3	2.8	3.4	2.9	0.7
≥	28	4	2.7	2.9	3.1	2.9	0.3	3	2.2	2.3	3.2	2.8	0.9
	29	5	2.2	2.3	2.8	2.5	0.3	2	1.9	2.0	2.1	2.0	0.2
ĺ	30	6	2.0	3.7	4.2	3.2	1.3	6	2.6	2.9	3.8	3.3	1.1
ĺ	31	3	1.2	1.4	1.5	1.3	0.2	2	2.3	2.3	2.4	2.3	0.1
ĺ	32	5	3.8	5.1	6.5	4.8	2.1	14	3.4	4.0	6.0	4.7	2.0
ĺ	33	18	3.2	3.9	5.1	4.1	1.6	16	4.2	5.8	7.7	5.9	2.2
ĺ	34 35	20 10	3.4	3.6 3.4	4.3 3.7	4.3 3.7	1.6 1.2	19	4.2 2.7	4.7 3.7	6.1 4.4	5.2 3.7	2.0 1.0
ĺ	36	13	3.0	3.4	3.4	3.2	1.1	13	3.7	3.8	4.4	4.2	1.0
ĺ	37	6	3.2	4.0	5.0	5.0	3.1	12	2.2	3.3	4.2	5.8	8.4
ĺ	38	12	2.0	2.8	3.0	2.5	0.7	12	3.0	3.8	4.4	4.2	1.9
ĺ	39	16	2.4	3.2	3.4	3.0	0.8	14	2.9	4.0	4.4	3.8	1.0
ĺ	40	12	2.8	3.7	3.9	3.5	0.7	14	2.5	3.7	4.3	3.4	1.1
ĺ	41	7	2.3	3.1	3.7	2.9	0.9	4	2.2	3.0	3.9	3.1	0.9
ĺ	42	8	3.0	3.2	3.8	3.2	1.0	9	3.8	4.6	8.1	12.5	15.7
ĺ	43	13	2.5	3.5	3.9	5.8	9.8	15	3.0	3.9	4.8	4.5	2.5
ĺ	44	15	3.2	3.7	3.9	3.6	0.7	11	3.4	3.7	4.4	4.0	1.1
ĺ	45 46	18 12	3.4 2.8	4.0 3.1	4.7 3.5	4.6 3.1	2.7 0.7	17 22	3.3 1.9	3.8 2.2	4.8 2.7	4.4 2.5	2.1 0.9
ĺ	46	19	3.2	3.1	4.2	3.1	1.2	6	1.9	2.2	3.5	2.5	0.9
ĺ	48	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	49	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	50	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52	0	-	-	-	-		0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	8		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ur)
o l	le P	Count	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time (	Time	Col	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	313	5.1	5.9	7.3	7.9	6.5	320	5.8	6.8	8.1	8.3	6.9
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	- 4.0	0	-	-	-	- 0.4	-
	Apr May	18 47	4.6 4.7	5.2 5.8	5.6 7.2	5.3 7.9	1.3 6.3	22 49	5.2 5.8	6.0	6.5 7.8	6.1 7.9	1.3 6.7
ŧ١	Jun	38	4.9	5.6	9.7	9.1	8.7	38	5.5	7.2	8.9	9.9	9.7
Month	Jul	12	4.1	4.5	5.7	5.3	2.2	14	5.7	5.9	6.8	6.3	0.8
-	Aug	46	5.4	6.6	7.6	7.5	3.4	60	5.9	7.5	8.8	9.2	8.2
	Sep	53	5.3	6.0	6.7	7.7	5.7	49	6.2	7.2	8.1	7.6	2.2
	Oct	50	5.4	6.4	12.7	10.1	9.0	43	5.9	7.3	9.6	9.8	10.2
	Nov	49	5.2	6.0	6.8	7.1	5.5	45	5.6	6.4	7.2	6.9	2.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	_	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	H
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	- 4.5	2	5.2	5.5	5.9	5.5	0.6
	17 18	11	4.5	5.4 5.2	5.5 6.2	5.3 6.0	1.5 2.4	13	5.2 5.7	5.7 6.0	6.5 6.6	6.2	1.5 0.7
	19	12	4.3	4.5	5.1	5.7	3.4	10	5.8	6.0	6.6	6.4	1.0
	20	12	4.9	6.4	10.4	9.1	6.1	12	5.7	7.3	8.3	10.3	11.6
	21	8	5.8	6.7	11.7	12.0	11.0	13	5.8	6.1	7.1	7.6	5.8
	22	11	5.4	6.0	6.8	6.3	1.6	10	6.6	7.2	8.8	7.6	1.5
	23	11	5.0	5.5	7.4	6.5	2.5	12	6.1	6.8	7.8	11.5	11.8
	24 25	9	4.8	6.2	6.6 14.5	7.6 14.4	4.1 15.1	6	8.2	9.7	10.2	9.6	1.5 12.4
	26	9	4.5	5.5 5.7	11.4	8.5	5.1	11 8	6.0 5.1	7.6 5.3	9.8 5.6	11.7 5.6	1.2
Week	27	5	4.2	4.6	5.5	5.9	2.6	6	5.6	6.2	7.6	6.6	1.1
>	28	1	8.4	8.4	8.4	8.4	0.0	1	7.6	7.6	7.6	7.6	0.0
	29	2	5.2	5.6	6.0	5.6	0.8	1	5.8	5.8	5.8	5.8	0.0
	30	2	3.5	3.8	4.1	3.8	0.5	6	5.9	6.2	6.7	6.4	0.7
	31	3	3.5	3.5	3.5	3.5	0.1	2	5.7	5.7	5.7	5.7	0.0
	32	10	4.9 5.8	5.7 6.5	6.2	5.5 7.3	1.3 3.4	17 12	5.8 6.2	6.5 7.4	8.7 7.8	12.2 7.5	14.3 2.6
	34	19	5.8	7.3	8.1	7.7	2.5	18	7.2	7.4	8.7	8.4	2.0
	35	10	5.3	6.3	13.2	9.1	4.5	10	7.2	8.7	9.8	8.9	3.8
	36	14	5.6	6.1	6.9	7.2	3.7	12	6.0	7.0	7.9	7.1	1.5
	37	8	6.1	6.4	7.6	11.0	11.5	10	5.9	7.8	8.9	8.1	2.6
	38	10	5.4	5.9	6.3	6.8	2.6	11	5.8	7.2	7.8	7.6	2.8
	39	17	5.3	5.8	7.2	7.7	4.0	14	6.2	6.8	7.4	7.3	1.8
	40	12 7	5.4 5.8	6.0	8.0 12.5	9.3 9.6	7.3 5.7	14 3	7.2 5.1	8.8 5.8	11.4	9.4 5.4	2.5 0.8
	41	8	4.8	6.5 5.1	13.3	12.2	14.2	8	6.0	5.8 7.2	6.0 9.2	12.9	15.4
	43	14	5.5	8.8	15.1	12.2	9.9	12	5.8	7.3	8.4	11.1	13.5
	44	16	5.6	6.3	6.9	6.3	1.6	11	5.5	6.7	8.0	7.0	2.1
	45	15	5.8	6.1	7.1	6.7	2.0	16	6.1	6.9	7.3	6.9	1.1
	46	13	4.8	5.3	6.6	8.6	10.2	22	5.4	5.9	7.0	6.5	2.0
	47	20	5.2	6.0	6.7	6.2	1.2	6	5.4	6.5	7.5	8.1	4.3
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50 51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-		-		0	-	-			
		,				<b></b>	<b>-</b>	0			<b>-</b>		<b>—</b>

L	9		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
Į,	e Pd.	nt		ercenti				nt		ercentil			
Time	Time	Count	25th	50th	75th	Ava	Std. Dev.	Count	25th	50th	75th	A	Std. Dev.
Ÿ	2014	347	2.9	3.3	4.2	<b>Avg.</b> 4.8	7.4	338	2.9	3.8	4.6	<b>Avg.</b> 5.5	8.7
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	17	1.4	1.6	1.8	1.8	0.6	23	3.6	3.8	4.1	3.9	0.4
ڃ	May	49	2.3	3.0	3.6	5.9	10.2	53	3.3	3.8	4.2	4.5	4.9
Month	Jun Jul	44 13	3.2 1.8	3.4	4.5 4.5	4.3	2.3 3.0	43 16	2.5	3.8 4.0	4.3 18.2	4.0 15.8	2.4
Σ	Aug	63	3.3	3.6	4.8	4.0	1.9	61	3.8	4.4	6.0	7.9	11.4
	Sep	60	2.8	3.2	3.6	5.8	11.6	54	3.4	4.0	5.0	5.1	6.8
	Oct	51	3.0	3.5	4.0	4.9	9.2	42	2.5	3.8	4.4	5.1	9.3
	Nov	50	3.4	4.0	5.2	5.1	3.0	46	2.2	2.7	3.6	3.0	1.1
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16 17	0 11	1.5	1.7	1.8	1.8	0.6	3 13	3.5	3.6 4.0	3.6 4.2	3.6 4.0	0.0
	18	11	1.5	1.8	3.2	3.1	3.1	12	3.5	3.8	4.2	3.8	0.4
	19	12	1.6	2.5	3.2	3.3	3.1	9	3.6	3.6	3.9	3.7	0.5
	20	11	2.8	3.3	4.3	8.2	14.8	12	3.5	3.8	4.2	3.8	0.6
	21	9	2.7	3.1	4.6	10.3	14.8	14	3.3	3.6	4.5	4.2	1.7
	22	12	2.5	3.0	3.4	3.8	3.4	13	3.1	4.0	4.2	6.3	9.5
	23	11	3.2	3.8	5.0 3.8	4.0 3.9	1.0	12 9	3.2	4.1 3.8	4.4 6.0	4.2 5.5	1.6 3.5
	25	11	3.2	3.3	4.0	4.4	3.1	11	2.5	3.3	4.1	3.9	2.3
_	26	12	3.2	3.7	4.8	4.7	2.9	10	2.1	2.4	3.6	2.8	0.9
Week	27	6	3.2	3.8	5.8	4.4	2.1	7	2.2	2.3	3.1	2.7	0.8
>	28	0	-	-	-	-	-	1	4.0	4.0	4.0	4.0	0.0
	29	3	2.9	3.0	3.2	3.1	0.3	2	20.0	37.0	53.9	37.0	34.0
	30	3	4.3 1.3	6.9 1.3	9.5 1.5	6.9 1.4	5.3 0.2	6 2	12.9	19.3	36.4 2.8	26.2	18.9 0.1
1	32	12	2.9	3.6	5.0	4.0	1.7	16	3.4	5.0	7.9	14.0	20.2
1	33	18	3.8	4.6	5.3	5.3	2.7	15	3.9	4.2	7.2	5.9	3.4
1	34	20	3.3	3.4	3.9	3.8	0.7	17	4.1	4.7	5.0	4.8	1.0
1	35	10	3.1	3.4	4.1	3.7	1.2	10	4.0	4.8	13.1	7.7	5.4
1	36	15 13	3.0	3.2	3.5	6.6	13.0	13 12	3.4	4.0	4.5	4.4	2.1
1	37 38	9	3.0 2.7	3.3	3.8	6.9 9.4	12.6 18.8	12	3.9 2.8	4.8 3.7	5.8 4.2	8.7 3.7	13.5 1.1
1	39	19	2.6	3.1	3.5	3.2	1.1	14	3.0	3.8	4.7	4.1	1.4
1	40	13	3.2	3.6	4.0	3.6	0.7	14	2.2	3.1	4.1	3.2	1.1
1	41	7	2.2	3.2	3.4	2.9	0.8	4	3.1	3.6	4.0	3.5	0.6
1	42	9	3.1	3.4	3.5	10.6	20.6	7	2.9	3.8	4.0	3.5	1.0
1	43	13	3.1	3.6	4.5	4.4	3.0	13	3.6	3.8	4.8	8.4	16.1
1	44 45	16 17	3.0	3.6 3.5	3.9 4.2	3.4	0.7 1.0	10 18	3.3 2.7	4.2 3.6	5.0 4.1	4.1 3.6	1.1
1	46	12	3.2	4.0	4.7	4.1	1.1	22	1.9	2.2	2.6	2.5	0.8
1	47	20	3.8	5.1	10.3	7.1	3.8	5	2.4	3.3	3.6	3.3	1.0
1	48	0	-	-		-	-	0	-	-	-	-	-
1	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51 52	0	-	-	-	-	-	0	-	-	-	-	-
1	53	0	-	-	-		-	0	-	-	-	-	-
_													

Fig.	L	10		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
Part	_							ur)						ır)
Variable   Variable	) Ur	e Pd	nt						Ħ				1000	
Variable   Variable	ime	ime	In o				1		no;					Std.
Feb   0	_													Dev.
Feb   0	T					1.0		0.4						0.9
May				-		-	-	-						-
May   47   0.7   0.8   0.8   0.7   0.1   55   1.1   1.2   1.4   1.4   0.9				-	-	-	-	-	0	-	-	-	-	-
Sep		Apr	17	0.7	0.8	0.8	0.7	0.1	23	1.2	1.2	1.3	1.2	0.1
Note   Sep   62	_	May	47	0.7	8.0	8.0	0.7	0.1	55	1.1	1.2	1.4	1.4	0.6
Note   Sep   62	nth	Jun												0.4
Sep   62   0.8   0.9   0.9   0.9   0.2   55   1.2   1.3   1.6   1.5   0.0	Ĭ	_												1.5
Oct   55   0.8   1.0   1.1   0.9   0.2   53   1.1   1.3   1.4   1.5   0.														1.6
Nov   53   0.9   0.9   1.0   1.0   0.2   46   1.0   1.1   1.2   1.1   0.		_												
Dec   O   O		_												0.2
2														-
3			0	-	-	-	-	-	0	-	-	-	-	-
4		2	0	-	-	-	-	-	0	-	-	-	-	-
S			0	-	-	-	-	-	0	-	-	-	-	-
						-								-
T		_				-						<b>-</b>		-
				-	-	-	-							-
9				-	-	-								-
10				-	-	-	-	-			-	-	-	-
12		10	0	-		-	-	-	0	-	-	-	-	-
13		11	0	-	•	-	-	-	0	-	-	-	-	-
14		-		-	-	-	-	-		-	-	-	-	-
15				-		-	-	-			-	-	-	-
16						-	-	-				-	-	-
17		-				-	-							0.1
18				0.7	0.8	0.8	0.7	0.1						0.1
10		-												0.2
21 8 0.8 0.8 0.8 0.8 0.8 0.0 13 0.9 1.3 1.3 1.2 0.  22 11 0.8 0.8 0.8 0.9 0.8 0.1 14 1.0 1.2 1.5 1.6 1.  23 12 0.8 0.8 0.9 0.8 0.1 11 1.1 1.3 1.4 1.2 0.  24 10 0.8 0.8 0.8 0.8 0.8 0.1 9 1.2 1.3 1.3 1.3 1.5 0.  25 9 0.8 0.8 0.8 0.8 0.8 0.0 11 1.1 1.1 1.3 1.5 1.3 0.  26 13 0.8 0.8 0.8 0.8 0.8 0.0 11 1.1 1.1 1.3 1.5 1.3 0.  26 13 0.8 0.8 0.8 0.8 0.7 0.1 6 1.0 1.2 1.4 1.2 0.  28 0 1 1.3 1.3 1.3 1.3 1.3 0.  29 2 0.8 0.8 0.8 0.8 0.8 0.0 3 1.3 1.3 1.3 1.3 1.3 0.  30 3 0.7 0.8 0.9 0.8 0.8 0.0 3 1.3 1.3 1.3 1.3 1.3 0.  31 2 0.6 0.6 0.6 0.6 0.6 0.6 0.0 2 1.0 1.0 1.1 1.0 0.  32 13 0.8 0.9 1.1 0.9 0.2 18 1.1 1.3 1.6 1.9 1.  33 23 1.0 1.1 1.2 1.1 0.2 11 1.0 1.5 4.0 2.9 2.  34 19 1.0 1.0 1.1 1.1 1.0 0.1 16 1.2 1.3 1.8 1.7 1.  35 11 0.9 1.1 1.1 1.1 0.0 1.1 6 1.2 1.3 1.5 1.2 0.  36 16 0.8 0.9 0.9 0.9 0.9 0.1 12 1.3 1.5 1.7 1.6 0.  37 14 0.8 0.9 0.9 0.9 0.9 0.1 12 1.3 1.5 1.7 1.6 0.  38 9 0.8 0.8 0.8 0.8 0.8 0.1 12 1.1 1.3 1.5 1.2 0.  40 13 0.9 1.0 1.1 1.1 1.0 0.2 18 1.1 1.3 1.5 1.7 1.6 0.  41 7 0.8 0.9 1.0 1.1 1.0 0.2 18 1.1 1.3 1.5 1.7 1.6 0.  42 9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.1 12 1.1 1.3 1.7 1.4 0.  44 18 0.9 1.0 1.1 1.0 0.2 15 1.2 1.3 1.4 1.4 1.5 0.  45 17 0.9 0.9 1.0 1.0 0.9 0.2 18 1.1 1.2 1.3 1.4 1.4 0.  46 15 0.9 0.9 1.0 1.0 0.9 0.2 18 1.1 1.2 1.3 1.4 1.4 0.  46 15 0.9 0.9 1.0 1.0 0.0 0.2 15 1.2 1.3 1.4 1.7 1.  48 0		19	12	0.6	0.7	0.8	0.7	0.1	10	1.2	1.2	1.3	1.4	0.5
10   10   10   10   10   10   10   10														0.3
10   10   10   10   10   10   10   10														0.4
10														1.0
25														0.5
No.   10   10   10   10   10   10   10   1														0.3
28         0         -	×	26	13	0.8	0.8	0.8	1.3	2.0	10	8.0	1.0	1.8	1.3	0.5
28         0         -	Vee	27	6	0.7	0.8	0.8	0.7	0.1	6	1.0	1.2	1.4	1.2	0.3
30         3         0.7         0.8         0.9         0.8         0.1         6         1.4         1.6         2.1         2.5         2.           31         2         0.6         0.6         0.6         0.6         0.0         2         1.0         1.0         1.1         1.0         0.           32         13         0.8         0.9         1.1         0.9         0.2         18         1.1         1.3         1.6         1.9         1.           33         23         1.0         1.1         1.2         1.1         0.2         11         1.0         1.5         4.0         2.9         2.           34         19         1.0         1.0         1.1         1.0         0.1         16         1.2         1.3         1.8         1.7         1.           35         11         0.9         1.1         1.1         1.0         0.2         13         0.8         1.3         1.5         1.2         0.           36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.5         1.7         1.6         0.           38	^													0.0
31         2         0.6         0.6         0.6         0.6         0.0         2         1.0         1.0         1.1         1.0         0.0         32         1.0         1.1         1.0         0.9         0.2         18         1.1         1.3         1.6         1.9         1.         33         23         1.0         1.1         1.2         1.1         0.2         11         1.0         1.5         4.0         2.9         2.         34         19         1.0         1.0         1.1         1.0         0.1         16         1.2         1.3         1.8         1.7         1.         35         11         0.9         1.1         1.1         1.0         0.2         13         0.8         1.3         1.5         1.2         0.           36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.3         1.5         1.4         0.           37         14         0.8         0.9         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.														0.1
32         13         0.8         0.9         1.1         0.9         0.2         18         1.1         1.3         1.6         1.9         1.           33         23         1.0         1.1         1.2         1.1         0.2         11         1.0         1.5         4.0         2.9         2.           34         19         1.0         1.0         1.1         1.0         0.1         16         1.2         1.3         1.8         1.7         1.           35         11         0.9         1.1         1.1         1.0         0.2         13         0.8         1.3         1.5         1.2         0.           36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.5         1.4         0.           37         14         0.8         0.9         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           40         13														0.0
33         23         1.0         1.1         1.2         1.1         0.2         11         1.0         1.5         4.0         2.9         2.           34         19         1.0         1.0         1.1         1.0         0.1         16         1.2         1.3         1.8         1.7         1.           35         11         0.9         1.1         1.1         1.0         0.2         13         0.8         1.3         1.5         1.2         0.           36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.3         1.5         1.4         0.           37         14         0.8         0.9         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.7         1.4         1.4         1.1         1.3 </td <td></td> <td><u> </u></td> <td></td> <td>4.4</td> <td>4.4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.4</td>		<u> </u>		4.4	4.4									1.4
34         19         1.0         1.0         1.1         1.0         0.1         16         1.2         1.3         1.8         1.7         1.           35         11         0.9         1.1         1.1         1.0         0.2         13         0.8         1.3         1.5         1.2         0.           36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.3         1.5         1.4         0.           37         14         0.8         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.7         1.4         0.           40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.4         0.           41         7		_												2.8
36         16         0.8         0.9         1.0         0.9         0.2         14         1.3         1.3         1.5         1.4         0.           37         14         0.8         0.9         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.7         1.4         0.           40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.5         0.           41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43														1.1
37         14         0.8         0.9         0.9         0.9         0.1         12         1.3         1.5         1.7         1.6         0.           38         9         0.8         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.4         1.5         0.           40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.4         0.           41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44														0.4
38         9         0.8         0.8         0.8         0.1         12         1.1         1.3         1.7         1.4         0.           39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.4         1.5         0.           40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.4         0.           41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9														0.4
39         19         0.8         0.8         0.9         0.9         0.1         14         1.1         1.3         1.4         1.5         0.           40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.4         0.           41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.1         0.           46         15														0.5
40         13         0.9         1.0         1.1         1.0         0.3         14         1.1         1.3         1.4         1.4         0.           41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.1         0.           46         15         0.9														0.3
41         7         0.8         1.0         1.1         1.0         0.2         8         1.1         1.2         1.3         1.2         0.           42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.2         0.           46         15         0.9         0.9         1.0         1.0         0.2         23         0.9         1.1         1.2         1.1         0.           47         20         0.8         0.9         1.0         1.0         0.2         5         1.1         1.1         1.1         1.1         1.1         0.           48														0.0
42         9         0.8         0.8         1.0         0.9         0.2         9         1.0         1.2         1.3         1.2         0.           43         15         0.9         1.0         1.2         1.0         0.2         15         1.2         1.3         1.4         1.7         1.           44         18         0.9         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.2         0.           46         15         0.9         0.9         1.0         1.0         0.2         23         0.9         1.1         1.2         1.1         0.           47         20         0.8         0.9         1.0         1.0         0.2         25         1.1		_												0.1
44         18         0.9         1.0         1.0         1.0         0.1         12         1.1         1.6         2.0         1.6         0.           45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.2         0.           46         15         0.9         0.9         1.0         1.0         0.2         23         0.9         1.1         1.2         1.1         0.           47         20         0.8         0.9         1.0         1.0         0.2         5         1.1         1.1         1.1         1.1         1.1         0.           48         0         -														0.2
45         17         0.9         0.9         1.0         1.0         0.2         18         1.0         1.1         1.2         1.2         0.           46         15         0.9         0.9         1.0         1.0         0.2         23         0.9         1.1         1.2         1.1         0.           47         20         0.8         0.9         1.0         1.0         0.2         5         1.1         1.														1.0
46     15     0.9     0.9     1.0     1.0     0.2     23     0.9     1.1     1.2     1.1     0.       47     20     0.8     0.9     1.0     1.0     0.2     5     1.1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.6</td></td<>														0.6
47     20     0.8     0.9     1.0     1.0     0.2     5     1.1														0.3
48     0     - </td <td></td> <td>0.2</td>														0.2
49     0     - </td <td></td> <td>0.1</td>														0.1
50     0     - </td <td></td> <td>_</td> <td></td> <td>-</td>		_												-
51     0     - </td <td></td> <td>-</td> <td></td> <td>-</td>		-												-
1 <del>                                    </del>		51	0				-		0			-	-	-
[   53   0   -   -   -   -   -   0   -   -   -				-	-	-	-	-		-	-	-	-	-
		53	0	-	-	-	-	-	0	-	-	-	-	-

L	11		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti		1010		¥		ercentil		luto (not	
Time	Time	Count				ł _	Std.	Count				_	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2014	361	2.7	3.2	3.8	3.5	2.2	352	2.5	3.6	4.4	4.7	7.6
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0		-	-	<del></del>		0			<del>-</del>		
	Apr	17	1.5	1.8	1.9	1.8	0.5	23	3.4	3.6	3.9	3.8	0.8
	May	49	2.1	2.9	3.1	2.7	0.8	54	3.3	3.7	4.1	4.8	7.0
Month	Jun	43	2.8	3.0	3.3	3.5	2.0	42	2.2	3.2	3.9	3.3	2.0
Ø	Jul	15	1.6	2.7	2.9	2.3	0.7	18	2.3	2.5	3.4	2.8	0.7
	Aug	68	3.2	3.5	4.1	4.5	3.7	68	3.0	4.1	5.2	5.3	8.0
	Sep	62	2.7	3.2	3.6	3.3	1.2	54	3.3	3.8	4.5	6.3	11.6
	Oct	54	2.8	3.4	3.8	3.2	0.9	47	2.6	3.8	4.8	6.0	10.5
	Nov	53 0	3.2	3.7	4.6	4.2	2.2	46 0	2.0	2.8	4.1	3.1	1.3
	Dec 1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	_	-	0	-	-	_	-	-
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10 11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0		-		-	-	0			-	-	
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	3	3.3	3.4	4.9	4.4	1.5
	17	11	1.6	1.8	1.9	1.8	0.5	13	3.6	3.8	3.9	3.9	0.6
	18	11	1.5	1.9	2.7	2.1	0.6	12	3.3	3.5	3.9	3.5	0.7
	19	12	1.6	2.5	3.1	2.4	0.9	10	3.5	3.7	3.8	3.7	0.5
	20	12	2.2	2.9	3.1	2.6	0.7	14	3.5	3.7	3.9	7.3	13.0
	21	8 12	2.7	2.9 2.9	3.1	3.1 2.9	1.0 0.5	12	3.0 2.8	4.0 3.5	4.4	4.5 3.6	3.1 1.1
	23	12	3.1	3.2	4.6	3.7	0.9	12	3.1	4.0	4.0	4.5	3.1
	24	10	2.6	2.8	3.0	2.7	0.6	8	3.8	3.9	4.2	4.0	0.4
	25	7	2.7	2.8	3.0	2.9	0.4	10	2.0	2.5	3.4	2.7	0.7
~	26	14	2.9	3.1	3.6	4.3	3.1	10	1.8	1.8	2.4	2.0	0.4
Week	27	6	2.6	2.9	3.0	2.7	0.5	7	2.3	2.3	2.8	2.6	0.5
_	28	0	-	-	-	-	-	1	3.8	3.8	3.8	3.8	0.0
Î	29	4	2.4	2.7	2.9	2.5	0.6	5	2.3	2.5	2.5	2.4	0.1
Î	30	2	1.9	2.2 1.2	2.5	2.2 1.2	0.5	6	2.3	3.5 2.3	3.9 2.3	3.6 2.3	0.3
1	32	13	3.4	3.8	6.4	7.5	7.3	22	2.3	4.5	5.0	7.1	13.4
Î	33	22	3.5	4.0	5.7	4.5	1.4	15	3.2	4.7	7.4	5.6	3.0
Î	34	19	3.2	3.4	3.8	3.4	0.5	14	3.6	4.2	5.6	4.4	1.6
1	35	12	3.0	3.2	3.3	3.1	0.5	13	2.1	3.8	4.7	3.4	1.5
Î	36	16	2.6	3.2	3.3	3.0	0.5	14	3.4	3.7	5.1	3.9	1.2
Î	37	14	3.1	3.2	3.6	3.3	0.7	12	3.7	3.9	4.5	8.7	16.1
1	38	10	2.5	2.8	3.1	2.9	1.0	10	2.7	3.5	3.7	9.5	19.2
Î	39 40	18	3.0	3.3	3.8	3.6	1.5 1.7	14	2.8	3.9	4.3 4.4	4.5 4.0	2.6
1	40	13 7	2.6	3.4	3.8	3.5 2.9	0.9	5	2.1	3.8 2.3	3.8	2.8	0.8
1	42	9	3.0	3.1	3.5	2.9	1.0	7	4.4	5.4	5.8	6.3	3.8
1	43	14	2.7	3.3	3.7	3.2	0.9	18	3.4	3.6	5.2	9.2	16.2
Î	44	18	3.1	3.4	3.8	3.4	0.8	11	2.9	3.8	4.5	3.7	1.0
1	45	17	3.1	3.4	3.8	3.3	0.6	17	3.2	3.8	4.7	3.8	1.0
1	46	15	3.6	4.3	5.0	5.3	3.5	23	1.9	2.1	2.5	2.7	1.4
1	47	20	3.1	3.5	5.3	4.1	1.3	5	1.8	2.8	3.2	2.9	1.1
1	48	0	-	-	-	-	-	0	-	-	-	-	-
1	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51 52	0	-	-	-	-	-	0	-	-	-	-	-
Î	53	0	-	-				0	-	-	-	-	-
_													

Г	12		Dov	vnstrea	m Dire	ction				Jpstrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				nt		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2014	357 0	3.0	4.0	8.7	6.7	7.0	352 0	3.3	5.0	7.8	6.9	7.3
	Jan Feb	0	-	-	-	<u> </u>	-	0	-	-	-	-	-
	Mar	0	-	-	-	<del></del>		0					
	Apr	17	1.7	1.8	3.8	3.0	2.1	23	3.8	4.7	6.8	6.1	3.7
	May	49	2.8	4.3	6.6	6.1	7.7	51	3.8	4.7	9.0	7.4	7.7
ŧ	Jun	43	3.1	3.9	6.0	5.5	4.2	42	3.2	4.3	6.3	4.9	2.6
Month	Jul	13	2.8	4.4	5.5	5.0	2.9	17	2.5	4.3	6.7	9.0	13.9
	Aug	68	3.3	4.3	11.0	8.2	8.1	67	3.5	6.1	9.5	8.3	8.4
	Sep	61	3.0	3.7	8.5	6.6	8.7	55	4.2	5.4	7.3	7.0	8.2
	Oct	54	3.1	3.6	7.5	6.1	5.8	51	4.1	5.5	7.6	7.3	6.6
	Nov	52	3.6	7.0	12.6	8.5	6.1	46	2.3	3.8	6.1	5.1	4.2
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	
	3	0					-	0		-	-	-	
	4	0	_	-	_	-	-	0	-	_	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
I	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	0						0					
	15	0		-		-		0		-	-	-	
	16	0	-	-	-	-	-	5	3.3	4.7	5.1	5.4	2.7
	17	11	1.6	1.8	2.6	2.8	2.4	11	3.8	4.7	6.8	6.4	4.2
	18	10	2.1	3.3	4.2	3.3	1.3	12	4.1	4.8	11.0	7.0	4.6
	19	13	2.0	3.0	4.8	3.7	2.2	11	3.9	7.0	8.5	6.6	2.9
	20	12	2.9	4.5	6.6	8.9	13.8	13	3.8	4.3	4.7	6.1	5.0
	21	8	3.5	6.8	9.9	7.7	4.9	11	4.0	5.3	11.5	10.5	13.9
	22	12	3.1	5.2	9.0	5.8	2.9	11	2.8	5.0	8.6	5.9	3.4
	23 24	12 10	4.0 3.0	5.0 3.2	5.3	4.8 4.3	1.1 2.4	13 7	4.0	4.8 5.9	6.3 6.8	5.2 6.3	2.4
	25	8	3.9	7.1	3.3 11.0	9.4	7.3	10	2.6	4.6	8.1	5.3	3.0
l	26	12	3.0	3.2	4.9	4.8	3.0	10	2.3	3.0	3.5	3.2	1.4
Week	27	5	3.2	5.3	5.5	5.2	2.2	7	2.1	3.1	4.3	3.4	1.6
≥	28	2	6.5	8.0	9.6	8.0	3.1	2	21.1	34.5	47.9	34.5	26.8
	29	4	2.9	3.7	4.4	3.6	8.0	4	3.6	4.8	5.7	4.5	1.5
1	30	2	3.4	5.2	7.0	5.2	3.6	5	5.0	6.7	14.0	10.1	6.2
I	31	2	1.2	1.2	1.2	1.2	0.0	2	2.5	2.5	2.6	2.5	0.0
	32	11	1.9	4.8	13.7	9.1	9.0	21	2.8	6.5	13.5	8.7	7.1
1	33	20	3.6	4.7	14.8	10.2	9.7	16	4.4	6.1	8.8	7.9	5.4
1	34 35	22 12	3.3	3.9 4.0	8.0 10.0	7.2 6.4	7.4 4.0	12 14	6.1 2.7	7.3 5.2	11.2 8.8	8.8 9.4	4.8 14.2
I	36	16	3.1	4.0	11.3	10.3	15.4	15	4.1	5.2	9.2	6.9	3.4
1	37	14	3.0	3.4	7.5	5.4	3.7	13	4.3	5.5	6.2	5.6	2.2
1	38	10	2.7	3.5	5.1	4.6	3.1	9	4.1	4.8	5.8	5.0	1.6
1	39	17	3.2	4.5	10.5	6.3	4.0	14	4.0	5.3	7.4	10.2	15.2
	40	13	2.9	3.8	5.1	4.3	2.5	14	2.8	5.2	6.0	4.7	1.9
	41	7	2.7	3.4	6.7	5.7	4.8	7	3.5	6.0	6.9	5.7	2.6
1	42	9	3.3	3.5	3.6	4.7	4.3	8	3.1	4.2	7.6	7.3	6.7
1	43	13	2.8	3.6	12.1	8.7	9.0	19	4.9	5.8	11.0	9.7	8.8
	44	18	3.5	4.2	7.3	5.8	3.8	12	4.1	5.2	7.1	5.6	2.4
	45	17	3.3	8.6	12.5	8.5	4.6	15	3.9	4.6	7.9	6.3	3.9
	46 47	15 20	2.6 4.5	3.6 6.6	10.7 12.9	7.7 9.2	7.2 6.2	23 6	2.2	2.4 3.8	4.5 4.2	4.5 4.6	4.5 3.2
1	48	0	-	-	-	9.2	-	0	-	-	-	-	-
1	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	13		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	Pd.	Ħ		ercenti				ŧ		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
Ÿ	2014	416	<b>25th</b> 0.8	<b>50th</b> 0.8	<b>75th</b>	<b>Avg.</b> 0.9	<b>Dev.</b> 0.7	401	<b>25th</b> 1.0	<b>50th</b> 1.2	<b>75th</b> 1.4	<b>Avg.</b> 1.4	<b>Dev.</b> 0.8
Ė	Jan	0	-	-	-	-	-	0	-	-	-	1.4	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0		-		-	-	0	1	-	-	-	
	Apr	24	0.7	0.8	8.0	1.0	1.2	30	1.0	1.2	1.3	1.3	0.6
ے	May	57	0.7	8.0	8.0	8.0	0.1	58	1.1	1.2	1.3	1.4	1.0
Month	Jun	49	0.7	0.8	0.8	0.8	0.1	48	1.0	1.2	1.3	1.2	0.4
Ž	Jul	17 79	0.8	0.8 1.0	0.8	1.6 1.1	2.1 0.9	23 79	1.0	1.2	1.4 1.4	1.3 1.4	0.5
	Aug Sep	70	0.8	0.9	0.9	0.9	0.9	60	1.1	1.3	1.4	1.5	0.8
	Oct	62	0.8	0.9	1.1	0.9	0.2	52	1.1	1.3	1.7	1.6	0.9
	Nov	58	0.8	0.9	1.0	1.0	0.1	51	0.9	1.1	1.2	1.2	0.5
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0					-	0	-	-	-	-	
1	8	0	-	-	-	-	-	0	-	-	-	-	-
Î	9	0	-		-	-		0	-				
1	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0		-				0			-		-
	15	1	6.6	6.6	6.6	6.6	0.0	1	1.6	1.6	1.6	1.6	0.0
	16	3	0.7	0.7	0.7	0.7	0.0	8	1.0	1.1	1.3	1.5	1.0
	17	12	0.7	0.8	0.8	0.7	0.1	14	1.0	1.2	1.3	1.2	0.3
	18	13	0.7	8.0	8.0	0.8	0.1	13	1.1	1.2	1.7	1.3	0.4
	19	15	0.7	0.8	0.8	0.7	0.1	13	1.1	1.3	1.3	1.3	0.4
	20	14 11	0.7	0.7	0.8	0.7	0.1	14	1.1 0.9	1.2	1.3 1.4	1.2 1.7	0.2 1.8
	22	12	0.7	0.8	0.9	0.8	0.2	11	1.1	1.2	1.2	1.4	0.8
	23	12	0.8	0.8	0.8	0.8	0.1	14	1.1	1.1	1.3	1.3	0.5
	24	12	0.7	0.8	0.8	0.7	0.1	9	1.2	1.3	1.4	1.3	0.2
	25	9	8.0	0.8	0.8	0.8	0.1	11	1.0	1.2	1.3	1.2	0.2
쓩	26	13	0.7	0.8	0.8	0.7	0.1	11	1.0	1.0	1.2	1.1	0.2
Week	27	8	0.6	0.8	0.8	0.7	0.1	10	0.9	1.0	1.1	1.3	0.8
	28 29	3 6	3.6 0.8	6.2 0.8	7.2 0.8	5.1 0.8	3.1 0.0	6	1.1	1.2	1.3 1.2	1.2 1.2	0.1
	30	2	0.9	1.2	1.4	1.2	0.5	7	1.2	1.4	1.8	1.6	0.6
	31	2	0.6	0.6	0.6	0.6	0.0	2	1.4	1.5	1.6	1.5	0.3
1	32	17	8.0	1.0	1.2	1.0	0.4	30	1.0	1.2	1.4	1.3	0.6
1	33	17	0.9	1.0	1.1	1.0	0.1	18	1.1	1.2	1.4	1.3	0.3
1	34	27	0.9	1.0	1.1	1.0	0.2	11	1.1	1.3	2.0	1.8	1.1
1	35	14	0.9	1.0	1.0	1.5	2.0	15	1.0	1.2	1.4	1.5	1.1
1	36 37	21 15	0.8	0.9	0.9	0.9	0.4	18 13	1.2	1.2	1.4 1.3	1.8 1.4	1.3 0.6
1	38	11	0.8	0.8	0.9	0.8	0.1	9	1.1	1.3	1.3	1.3	0.3
Î	39	19	0.8	0.8	0.9	0.8	0.1	16	1.1	1.2	1.5	1.5	0.7
1	40	13	0.9	1.0	1.0	0.9	0.2	14	1.0	1.2	1.3	1.4	0.7
1	41	9	0.9	1.0	1.1	1.0	0.3	7	1.1	1.3	1.7	1.4	0.3
1	42	14	8.0	0.9	0.9	0.9	0.2	9	1.2	1.7	2.3	2.2	1.4
1	43	12 22	0.8	0.9	1.1	0.9 1.0	0.2	18 15	1.1	1.3	1.4 1.7	1.4 1.6	0.6
1	45	19	0.9	0.9	1.0	0.9	0.1	16	1.1	1.2	1.7	1.3	0.7
1	46	14	0.8	1.0	1.1	0.9	0.2	24	0.9	1.0	1.1	1.0	0.2
Î	47	24	0.9	1.0	1.1	1.0	0.1	8	1.0	1.0	1.1	1.1	0.2
1	48	0	-	-	-	-	-	0	-	-	-	-	-
1	49	0	-	-	-	-	-	0	-	-	-	-	-
Î	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	-	-	-	0	-	-	-	-	-
Î	52 53	0	-	-	-	<del>-</del>	-	0	-	-	-	-	-
<u> </u>	55	v				1			I	I	1		1

L	14		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	∍ Pd.	nt		ercenti				Ħ		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	408 0	2.8	3.4	4.4	4.4	5.3	387 0	2.6	3.6	4.3	5.0	7.4
	Feb	0	-	_	-	_	-	0	-	_	_	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	23	1.5	1.7	2.2	2.0	0.7	29	3.4	3.8	4.4	4.3	2.5
	May	57	2.4	3.2	3.9	5.8	10.4	59	3.3	3.6	4.1	5.3	8.5
Month	Jun	49	3.2	4.3	8.4	7.4	8.5	50	2.7	3.7	4.1	4.9	8.3
Š	Jul	19	2.7	3.1	4.5	4.2	3.1	22	2.3	2.8	3.8	3.5	2.5
	Aug	77	3.3	3.6	4.5	4.0	1.5	67	3.1	4.2	6.0	8.6	12.4
	Sep Oct	66 61	2.6	3.1 3.3	3.7	3.4	1.7 1.0	58 54	2.7 3.2	3.6	4.3 4.1	4.2 3.9	4.2 2.5
	Nov	56	3.2	3.8	4.9	4.3	2.0	48	2.0	3.0	3.7	3.1	1.4
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7 8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	0	_	-	<u> </u>			0	-	-		-	_
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-		-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	3	1.7	1.9	2.2	1.9	0.4	8	3.3	3.7	3.9	3.7	0.4
	17	12	1.3	1.7	1.9	1.9	0.4	14	3.2	3.8	4.3	4.7	3.4
	18	13	1.7	1.7	2.7	2.2	0.6	13	3.6	3.7	4.5	4.1	0.9
	19	14	1.5	2.2	3.4	2.7	2.0	14	3.4	3.8	4.0	3.5	0.6
	20	15	3.0	3.2	8.4	11.6	18.5	13	3.3	3.8	6.2	5.3	2.7
	21	11	2.7	3.3	3.8	3.5	1.3	15	3.2	3.6	3.9	7.6	15.7
	22	12	3.8	4.2	6.0	5.7	3.8	11	3.2	3.5	3.6	5.1	5.0
	23	11	3.4	4.7	8.4	7.1	5.1	14	3.1	3.8	4.0	3.5	1.1
	24 25	13 10	3.1 4.0	4.2 7.5	5.4 13.4	5.5 12.7	4.6 15.4	12 9	3.1 1.8	3.8	4.9 4.0	4.0 3.2	1.2
	26	13	3.2	3.7	10.2	6.1	4.2	11	2.4	3.3	3.4	8.2	16.8
Week	27	7	2.7	2.9	3.4	3.0	1.0	10	2.2	2.5	4.0	4.4	4.2
>	28	3	4.2	5.1	5.6	4.8	1.2	2	2.3	2.4	2.5	2.4	0.2
	29	6	2.9	3.3	3.7	4.4	2.7	7	2.7	3.2	4.3	4.8	4.0
1	30	4	1.5	6.3	11.1	6.3	4.9	6	3.6	3.8	4.1	3.9	0.6
1	31	2	1.3	1.3	1.4	1.3	0.1	2	2.4	2.5	2.5	2.5	0.0
Î	32	16 17	3.2	3.7 3.5	5.1	4.4	2.3 1.5	19 18	5.2	9.8	37.1 5.1	20.0	18.8
1	33	26	3.2	3.8	3.8 4.5	4.0	1.5	11	3.3 4.1	3.7 4.4	5.1	4.1 4.7	1.4
Î	35	14	3.3	3.5	3.9	3.6	0.6	15	2.3	3.2	4.1	3.9	2.8
1	36	18	2.4	2.9	3.3	3.1	1.2	18	3.1	3.6	4.3	5.5	7.2
1	37	14	2.9	3.4	3.8	3.9	2.2	12	3.0	3.7	4.2	3.6	1.0
Î	38	11	2.5	2.9	3.2	2.9	0.9	8	2.5	3.2	4.0	3.2	0.9
1	39	19	2.8	3.3	4.0	3.6	1.6	16	2.1	3.5	3.7	3.3	1.0
1	40	12	3.0	3.4	5.3	4.0	1.9	13	2.1	3.9	4.3	3.5	1.3
Î	41 42	9 13	2.8	3.3	3.5	3.4 3.1	1.1 1.0	7 9	3.4	3.8 4.1	4.1 4.9	3.6 5.8	0.8 5.1
1	43	12	2.7	3.2	4.0	3.1	1.0	20	3.3	3.9	4.9	3.8	1.2
1	44	23	3.1	3.5	3.7	3.5	0.7	15	3.3	3.7	3.8	3.5	0.9
Î	45	19	3.2	3.5	3.8	3.6	0.7	17	3.3	3.7	4.2	3.5	0.9
1	46	12	2.4	3.3	3.9	4.2	3.5	20	1.9	2.2	2.5	2.7	1.8
1	47	24	4.5	5.0	5.6	5.0	1.5	8	1.8	3.1	3.4	2.9	1.1
Î	48	0	-	-	-	-	-	0	-	-	-	-	-
1	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
Î	51 52	0	-	-	-	-		0	-	-	-	-	-
1	53	0	-	-	-		-	0	-	-	-	-	-
_													

≺ Time Unit ⊓	15 <b>Pd</b> •			vnstrea vel Tim							n Direct		
Time	e Pc				e ⊫stim	ıate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Ī	₩.	Ξ	P	ercenti				nt		ercentil		1000	
Ī	Time	Count					Std.	Count					Std.
Y			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
ı I	2014	405	3.3	4.2	5.6	5.7	7.0	394 0	3.1	4.1	5.2	5.0	5.6
ŀ	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	Mar	0		-				0					
l	Apr	24	1.7	2.0	3.2	2.8	2.2	32	3.4	4.0	4.3	4.0	0.9
	May	55	2.5	3.8	5.0	6.0	9.6	58	3.6	4.2	4.8	4.3	1.6
뒫	Jun	45	3.7	6.2	11.0	9.6	9.9	49	2.6	3.8	4.4	5.8	9.9
Month	Jul	19	3.3	4.1	5.6	5.1	3.1	27	2.6	3.8	4.8	5.1	4.3
	Aug	76	3.6	4.4	5.6	4.9	2.2	67	3.8	4.8	6.1	5.2	2.9
	Sep	69	3.3	4.0	5.5	6.3	9.6	56	3.6	4.7	6.0	5.4	3.1
	Oct	61	3.5	4.2	4.8	5.0	6.3	54	3.4	4.1	5.2	5.4	8.9
	Nov	56	4.1	4.5	5.5	4.8	1.4	51	2.2	3.7	4.9	4.4	5.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	2	0	-	-	-	-	-	0	-	-	-	-	
ŀ	3	0				-	-	0			-	-	
l	4	0	_	_	_	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-			-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	11	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	12 13	0	-	-	-	-	-	0	-	-	-	-	-
ŀ	14	0	-		-			0					
l	15	1	12.0	12.0	12.0	12.0	0.0	2	2.9	3.0	3.1	3.0	0.2
	16	3	1.6	1.7	2.6	2.2	0.9	10	3.5	4.1	4.6	3.9	0.8
	17	11	1.6	1.7	2.0	1.9	0.6	14	3.7	4.1	4.3	4.0	0.7
	18	14	2.3	3.3	4.4	3.5	1.6	12	3.8	4.1	4.5	4.3	1.0
	19	14	1.6	2.3	3.4	2.6	1.2	13	3.9	4.2	4.3	4.1	0.6
	20	13	3.2	4.5	14.3	12.3	17.8	14	4.0	4.9	5.6	5.5	2.5
	21	11	3.3	3.9	5.5	4.9	2.9	14	3.4	3.9	4.7	3.9	1.3
ŀ	22	12	3.5	3.8	5.8	4.8	2.2	11	2.8	3.7	4.2	3.6	0.9
ŀ	23	10 12	3.7	5.6 7.0	7.7 12.3	6.7 9.1	4.0 6.8	16 10	2.9 3.0	3.8 4.0	4.4 4.0	3.7 3.7	1.1 0.8
ŀ	25	9	5.7	11.9	13.5	16.1	17.0	9	2.3	8.2	13.2	8.6	6.1
ارا	26	9	3.8	9.2	10.3	7.9	4.1	10	2.4	2.8	3.4	9.6	20.3
Week	27	9	3.3	3.5	3.9	7.0	8.0	10	2.6	2.7	3.8	3.2	0.8
>	28	3	3.5	3.5	4.0	3.8	0.5	2	7.4	12.5	17.5	12.5	10.1
	29	5	3.8	4.1	10.5	6.5	3.5	9	2.6	4.1	4.8	5.3	3.7
	30	5	4.4	4.8	5.1	4.5	1.4	8	4.1	4.3	5.9	5.1	2.1
	31	3	1.6	1.6	4.4	3.5	2.7	3	2.8	2.9	3.6	3.3	0.7
	32	14	2.6	3.8	6.2	4.9	3.8	19	3.7	5.5	6.5	6.0	4.5
	33	18 27	3.7 4.7	4.0	4.5 6.4	4.1 5.8	1.0 1.8	19 10	4.0 3.9	4.8 5.0	5.7 8.6	4.8 6.2	1.2
	35	14	3.5	5.5 4.1	4.4	4.0	0.7	14	3.9	5.9 4.6	8.6 5.3	6.2 4.3	2.7 1.4
	36	19	4.0	5.5	7.5	11.1	16.8	16	4.1	4.7	7.9	6.3	3.9
	37	14	3.6	4.2	5.1	5.2	3.1	13	4.0	6.7	8.1	6.6	2.8
	38	12	2.9	3.1	3.4	3.1	0.7	8	2.7	3.5	5.1	3.8	1.2
	39	19	3.6	3.9	5.3	5.1	3.1	16	3.2	4.2	4.8	4.5	2.4
	40	13	3.3	4.5	5.7	4.8	2.3	13	2.3	4.7	5.6	4.2	1.6
	41	9	3.1	4.3	4.3	3.8	0.9	8	2.7	3.5	4.1	3.6	1.1
	42	12	3.7	5.0	6.3	8.6	13.2	10	4.0	5.5	5.9	11.2	19.5
	43	12	3.3	4.2	4.7	3.8	1.4	19	3.7	4.3	5.0	4.3	1.1
	44 45	23 18	3.3 4.1	3.8 4.5	4.2 5.1	3.8 4.7	0.7 1.0	14 18	4.0 3.7	4.6 4.1	5.6 5.7	4.9 4.4	1.6 1.4
	46	12	3.2	4.5	4.8	4.7	1.0	23	1.9	2.3	3.2	4.4	7.6
	47	25	4.3	5.1	5.8	5.2	1.7	7	3.0	3.4	3.9	3.5	0.8
	48	0	-	-	-	-	-	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-			0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
Ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	16		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
• Unit	∍ Pd.	ıt		ercenti				Ħ		ercentil		1000	
Time I	Time	Count					Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	352	2.1	2.6	5.3	4.7	4.4	336	3.0	3.6	6.4	5.2	3.7
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0						0					
	Apr	25	2.0	2.2	4.3	4.2	4.1	33	3.3	3.7	6.6	4.9	2.3
	May	57	1.9	2.1	2.6	3.3	3.1	55	2.9	3.3	5.0	4.8	3.4
ıt,	Jun	45	1.8	2.3	2.7	4.1	4.0	50	3.0	4.6	7.6	6.2	4.5
Month	Jul	19	1.9	2.2	2.4	3.4	3.0	25	3.0	3.2	6.2	4.7	2.5
	Aug	61	2.7	3.1	7.5	6.2	5.6	46	3.0	4.4	7.2	6.3	5.0
	Sep	35	2.3	2.7	4.8	4.0	2.8	27	3.0	3.4	5.2	4.6	2.6
	Oct	58	2.4	2.6	6.1	4.8	4.3	50	3.2	3.7	7.5	5.7	3.7
	Nov	52	2.5	2.8	8.7	5.7	5.1	50	2.4	3.2	4.3	4.1	2.9
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	
	3	0				-	-	0			-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-			-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0	-	-	-	-	-	0	-	-	-	-	
	14	0					-	0					
	15	1	15.1	15.1	15.1	15.1	0.0	2	4.5	5.4	6.3	5.4	1.8
	16	2	1.9	2.1	2.3	2.1	0.4	10	3.3	4.0	6.4	5.2	2.6
	17	12	1.9	2.1	2.2	2.2	0.7	14	3.1	3.5	4.2	4.2	1.7
	18	15	2.1	2.8	7.9	5.3	4.4	13	3.6	5.1	7.8	5.8	2.5
	19	14	1.7	1.8	2.0	2.3	1.6	15	2.8	3.3	5.0	4.7	3.8
	20	13	2.0	2.1	5.4	4.7	4.4	10	3.2	3.2	3.8	4.1	2.3
	21	13	2.0	2.1	2.3	2.7	1.7	15	2.7	3.8	8.7	5.8	4.3
	22	12	2.1	2.3	2.8	3.3	2.5	9	2.7	3.3	3.5	3.3	1.0
	23 24	9	2.0 1.9	2.2	2.3 3.2	3.1 4.0	2.7 4.2	16 10	4.5 3.0	8.5 3.7	13.7 5.1	9.4 4.4	5.6 1.8
	25	8	2.3	5.5	10.1	6.3	4.2	9	2.5	3.3	4.8	5.3	4.3
U	26	10	1.8	2.0	2.2	4.1	4.5	10	2.9	3.7	5.2	4.0	1.3
Week	27	8	1.9	2.0	2.9	3.6	3.3	9	2.9	3.7	6.4	4.6	2.0
>	28	4	1.8	1.9	1.9	1.8	0.2	3	2.4	2.7	2.7	2.5	0.3
	29	5	2.2	2.2	2.3	2.2	0.1	10	3.0	3.2	6.1	4.5	2.2
	30	6	1.9	2.3	6.3	4.2	3.3	7	3.6	4.6	7.6	5.9	3.1
	31	0	-	-	-	-	-	1	7.4	7.4	7.4	7.4	0.0
	32	9	2.7	7.0	11.6	7.3	5.1	8	2.8	3.9	7.3	4.9	2.5
	33	13 28	2.8	5.3 3.0	15.0 6.3	9.6 4.9	8.0 3.9	17 12	2.9 4.4	3.3 6.5	4.2 7.5	5.8 7.5	5.8 5.2
	35	11	2.6	2.7	3.2	4.5	4.1	9	4.4	5.5	7.0	6.7	4.0
	36	1	8.9	8.9	8.9	8.9	0.0	1	3.0	3.0	3.0	3.0	0.0
	37	1	3.7	3.7	3.7	3.7	0.0	1	10.4	10.4	10.4	10.4	0.0
	38	6	2.2	5.4	6.7	4.8	2.8	4	2.4	2.8	3.3	2.8	0.5
	39	19	2.3	2.4	3.7	3.9	3.1	14	3.2	3.5	4.9	4.7	2.6
	40	15	2.4	2.6	5.7	4.4	3.1	14	3.1	5.2	6.7	5.8	3.2
	41	7	2.1	2.6	2.7	3.2	2.0	4	3.0	3.3	4.1	3.8	1.5
	42	11	2.3	2.6	8.0	6.3	6.7	9	2.8	3.6	4.5	4.1	1.9
	43	23	2.4	2.8	4.5 4.5	4.7	3.9	18 14	2.9 3.5	3.4 6.8	3.9 10.7	5.0 7.3	3.8 4.0
	45	17	2.5	2.7	8.7	5.9	5.3	19	3.3	3.8	6.9	5.7	3.8
	46	12	2.4	2.5	3.3	4.2	3.8	23	2.3	2.5	3.3	2.8	0.7
	47	22	2.6	3.0	12.1	6.5	5.4	5	2.4	3.3	5.3	4.5	2.7
	48	0	-	-	-	-	-	1	4.3	4.3	4.3	4.3	0.0
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	17		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (hou	ır)
Unit	∍ Pd.	nt		ercenti				Ħ		ercentil		1000	
Time	Time	Count				1	Std.	Count					Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Y	2014	368	3.1	3.7	4.7	4.5	3.0	356	3.3	4.0	6.2	5.9	5.4
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-		-	<del></del>	-	0					
	Apr	23	1.7	1.9	3.8	4.4	5.4	32	3.5	4.2	4.8	5.2	3.8
	May	55	2.3	3.5	3.9	3.7	2.3	60	3.4	3.9	6.0	6.1	5.8
Month	Jun	47	3.2	3.6	4.3	4.7	2.9	52	3.0	3.7	6.7	6.3	6.3
Š	Jul	24	2.6	3.3	4.4	4.1	2.6	35	3.2	3.8	4.7	4.5	2.8
	Aug	66	3.6	4.2	5.0	4.6	1.9	52	3.9	4.6	7.5	8.0	7.9
	Sep	33	3.1	3.5	4.2	3.9	2.0	25	3.8	4.7	7.5	6.0	3.5
	Oct	61	3.1	3.8	4.6	4.8	3.8	51	3.8	4.8	6.9	5.7	3.8
	Nov	59	3.4	4.2	6.1	5.2	2.6	49	2.1	2.9	4.6	4.3	3.7
	Dec 1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	_	-	-	_	-	0	-	-	_	-	_
1	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
Î	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
Î	9	0	-	-	-	-	-	0	-	-	-	-	-
	10 11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-		-	0	-	-		-	-
	13	0	-	-	-	_	-	0	-	_	_	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	1	25.3	25.3	25.3	25.3	0.0	2	2.3	2.7	3.0	2.7	0.7
	16	2	1.4	1.4	1.5	1.4	0.1	9	3.3	3.9	4.7	4.7	2.7
	17	12	1.6	1.8	2.6	3.3	3.2	14	3.6	4.2	4.7	4.9	2.5
	18	14	2.0	3.2	4.0	4.2	3.3	12	4.2	5.0	7.0	7.3	5.4
	19	15	2.0	2.5	3.8	2.7	1.0	16	3.4	3.8	4.4	4.1	1.3
	20 21	11	3.5 2.2	3.7 3.5	5.2 3.8	5.3 3.1	3.6 0.9	12 16	3.5	3.9	6.5 5.0	8.2 5.7	9.0 5.4
	22	12	3.3	3.5	3.9	3.7	1.0	11	2.8	4.7	9.0	6.7	5.3
	23	9	3.2	3.3	5.4	5.4	3.7	16	3.1	3.7	4.3	5.3	5.4
	24	14	3.0	3.5	4.0	3.4	1.0	11	2.8	3.8	6.2	5.8	5.1
	25	9	3.2	3.3	4.0	4.0	1.6	10	3.5	4.2	12.0	9.2	9.5
¥	26	11	3.5	4.2	7.0	5.9	3.3	11	2.7	3.6	8.8	5.6	4.0
Week	27	8	3.1	3.5	5.9	5.5	3.9	8	2.3	3.8	7.8	5.9	4.7
_	28	5	3.3	3.3	3.5	3.1	1.0	3	1.8	2.0	2.1	2.0	0.2
	29	5	3.6	6.9	7.2	6.2	2.7	10	3.2	3.5	3.9	3.7	0.9
1	30	9	1.8 2.6	2.9	4.3 2.6	3.2 2.6	1.6 0.0	11 8	3.5 4.2	3.8 4.7	5.3 6.7	4.5 6.6	1.7 4.6
Î	32	10	2.7	3.4	3.7	3.1	0.0	12	3.6	4.0	5.9	6.6	5.9
Î	33	18	4.5	5.4	7.6	6.2	2.6	18	3.9	4.1	6.2	9.5	10.6
1	34	28	3.7	4.3	4.8	4.4	1.2	12	4.8	6.1	9.2	8.5	6.0
Î	35	10	3.3	3.7	4.1	3.6	0.8	9	2.3	4.7	5.2	5.8	5.2
1	36	0	-	-	-	-	-	0	-	-	-	-	-
1	37	0	-	-	-	-	-	0	-	-	-	-	-
1	38	6	2.2	2.7	3.3	2.7	0.9	5	2.0	3.8	4.2	3.4	1.2
1	39 40	19 15	3.1 2.8	3.9	4.3 3.8	4.3 3.4	2.3 1.1	13 14	3.8 2.7	4.8	6.8 10.5	5.7 6.8	3.0 5.0
1	41	7	2.5	3.6	4.4	4.0	2.2	3	3.2	3.7	3.8	3.4	0.5
1	42	13	3.6	3.8	4.2	4.2	1.7	8	3.7	6.0	7.0	6.9	5.3
Î	43	11	3.7	4.3	5.8	5.2	3.0	20	3.9	5.1	6.9	6.0	3.3
1	44	24	3.4	3.6	4.5	5.6	5.2	14	4.3	4.9	6.5	5.3	1.5
1	45	18	3.3	3.8	4.5	4.5	2.4	18	3.4	3.8	4.5	5.0	3.6
1	46	12	3.1	3.6	4.3	3.7	1.2	25	1.9	2.2	3.5	3.8	4.0
Î	47	27	4.3	5.5	8.3	6.4	2.8	4	2.0	2.2	3.6	3.4	2.4
1	48	1	4.9	4.9	4.9	4.9	0.0	1	7.2	7.2	7.2	7.2	0.0
1	49 50	0	-	-	-	-	-	0	-	-	-	-	-
Î	50 51	0	-	-	-	-		0	-	-	-	-	-
1	52	0	-	-	-	-	-	0	-	-	-	_	-
1	53	0	-	-	-	-	-	0	-	-	-	-	-
—						-					-		

L	18		Dov	vnstrea	m Dire	ction			ı	Jpstrear	n Direct	ion	
-						ate (ho	ur)					ate (ho	ur)
Unit	∍ Pd.	ıt		ercenti				Ħ		ercentil			
Time	Time	Count					Std.	Count				1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	379	3.0	3.4	3.9	4.2	3.4	345 0	4.0	4.6	5.7	5.3	2.6
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0			-	-	-	0				<del>-</del>	
	Apr	23	2.8	3.0	3.3	3.7	2.4	31	3.8	4.3	4.8	4.8	2.8
	May	59	2.8	3.1	3.3	3.3	1.9	61	3.9	4.3	4.8	4.8	1.8
ıt l	Jun	48	2.8	3.0	3.3	3.8	4.2	46	3.8	4.1	4.5	4.4	1.0
Month	Jul	24	2.8	3.2	3.6	5.7	6.6	35	4.2	4.6	5.7	5.6	3.1
	Aug	67	3.4	3.8	4.5	4.3	2.4	45	4.6	5.7	7.2	6.5	3.3
	Sep	32	3.1	3.5	4.4	5.2	4.0	24	4.5	5.0	7.3	6.7	3.7
	Oct	62	3.2	3.6	3.8	3.9	2.3	56	4.3	4.9	5.9	5.6	2.3
	Nov	64	3.4	3.8	4.2	4.7	3.2	47	3.5	4.3	5.3	4.7	1.9
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-		-	-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	1	1	-	-	-	0	•	-	-	-	-
	9	0	_					0	•	-			
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15	1	8.1	8.1	8.1	8.1	0.0	3	3.6	4.3	4.7	4.1	0.9
	16	2 12	2.5	2.6	2.6	2.6	0.1	9	3.8	4.8	5.0	5.9	4.8
	17 18	14	2.7	3.0	3.3	3.8 3.1	3.0 0.3	13 11	3.8 4.1	4.0	4.7 4.7	4.1 4.5	0.6
	19	17	2.4	2.7	3.1	2.7	0.4	18	4.4	4.8	5.8	5.3	1.7
	20	11	2.9	3.2	3.5	3.2	0.4	12	3.9	4.0	4.6	4.6	1.7
	21	13	2.9	3.1	3.3	3.1	0.5	15	3.6	4.2	4.3	4.5	2.1
	22	12	3.0	3.3	3.6	4.7	3.7	11	4.0	4.3	4.9	4.7	1.6
	23	11	3.1	3.2	3.5	3.3	0.3	16	3.9	4.5	5.3	4.6	1.1
	24	14	2.8	3.0	3.3	3.0	0.5	11	4.0	4.2	4.3	4.1	0.3
	25	6	2.9	3.1	3.2	7.7	10.6	5	3.5	4.0	4.3	4.2	0.9
놓	26	13	2.7	2.9	3.2	3.5	1.8	10	3.8	4.0	4.4	4.5	1.5
Week	27	7	2.7	2.8	2.9	2.8	0.2	7	3.7	3.8	4.2	3.9	0.6
	28	5	2.8	3.2	9.5	5.7	3.8	3	3.5	3.8	4.1	3.8	0.5
	29 30	5 9	2.8 3.0	3.5	3.5	5.2 4.2	4.2	11	4.3 4.5	4.6 4.7	5.5 6.1	7.0 5.3	4.9 1.2
	31	3	2.9	2.9	18.0	12.9	3.0 14.2	9	4.5	6.2	6.9	5.8	1.1
	32	9	3.2	3.4	3.7	3.4	0.5	12	4.4	5.0	5.2	5.0	1.1
	33	18	3.7	4.0	4.5	4.0	0.6	11	4.6	5.3	6.6	6.7	4.7
	34	28	3.5	3.8	4.4	4.7	3.3	11	5.3	7.5	9.2	8.0	3.6
	35	11	3.4	4.2	4.5	4.4	2.0	9	4.9	6.4	7.6	6.2	2.1
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	7	4.4	7.3	12.3	8.6	5.0	5	4.5	5.2	5.5	4.9	0.9
	39	18	2.8	3.3	3.7	3.8	2.6	13	4.3	4.7	4.9	6.0	3.8
	40	16 7	3.3	3.6	4.4	5.0	3.7	14	4.4	5.9	9.6	7.1	3.4
	41 42	12	3.0	3.2	3.6	3.3 4.0	0.7 2.6	5 7	4.3	4.7	5.9 9.2	5.0 7.3	1.0 4.6
	43	12	3.4	3.5	3.6	3.4	0.6	23	4.3	4.0	5.9	5.4	1.9
	44	27	3.3	3.7	4.0	4.0	1.9	14	5.0	5.8	6.4	5.8	1.1
	45	17	3.5	3.7	4.0	4.4	2.4	20	4.2	4.4	5.3	4.8	1.0
	46	14	3.4	3.5	3.9	3.5	0.5	22	3.3	4.0	4.9	4.2	1.1
	47	26	3.5	4.0	4.6	5.5	4.3	3	3.2	3.3	3.5	3.3	0.2
	48	2	8.0	8.3	8.7	8.3	0.8	1	14.3	14.3	14.3	14.3	0.0
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-		-	0	-	-	-	-	-

L	19		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (ho	ur)
Ď	e Pd.	nt		ercenti				Ħ		ercentil			
Time	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2014	401	2.8	3.3	4.5	4.0	2.7	361	3.0	3.7	4.4	4.0	2.2
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	1	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	26	1.5	2.0	3.1	2.3	0.9	31	3.4	3.6	4.3	4.7	3.3
£	May	61	2.3	3.0	3.3	3.0	1.2	63	3.2	3.7	4.3	4.2	2.8
Month	Jun Jul	49 26	2.9	3.2 2.9	3.6	3.5 4.6	1.3 7.3	49 32	2.3	3.3	3.8	3.4	1.3 1.0
2	Aug	70	3.2	3.8	5.0	4.2	1.8	48	3.5	4.1	5.2	4.5	2.0
	Sep	34	2.8	3.4	4.0	3.6	1.8	28	3.6	4.2	6.0	4.8	1.5
	Oct	68	3.1	3.5	4.6	4.1	1.9	60	3.3	3.9	4.8	4.4	2.1
	Nov	67	3.7	4.7	6.3	5.3	2.4	50	2.0	3.3	4.2	3.4	1.6
_	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-		0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	- 1.4	- 1.0	-	1.0	-	0	- 2 E	- 20	- 4.2	- 2.0	- 0.5
	15 16	3	1.4	1.8 1.4	2.3 1.5	1.8 1.4	0.9	7	3.5	3.8	4.3 10.2	3.9 7.2	0.5 6.1
	17	13	1.7	2.0	2.2	2.2	0.9	13	3.3	3.5	4.1	3.7	0.7
	18	15	2.3	3.1	3.4	3.0	0.8	12	3.7	4.0	4.5	4.2	1.1
	19	18	1.7	1.8	3.1	2.5	1.3	19	3.3	3.7	4.1	3.7	0.6
	20	11	2.6	3.2	4.5	3.4	1.1	13	3.7	3.8	4.8	4.7	2.9
	21	12 13	2.6 3.0	3.0	3.2	2.9 3.5	1.1 0.8	17 9	3.0 2.1	3.4	3.8 6.1	3.5 5.7	1.2 5.7
	23	12	3.0	3.4	4.3	3.7	0.8	17	3.2	3.7	3.9	3.4	0.9
	24	15	2.9	3.2	3.4	3.3	0.8	13	2.4	3.2	3.8	3.5	1.5
	25	4	2.8	3.1	3.3	3.0	0.6	4	2.0	2.7	4.0	3.3	1.7
χ	26	14	2.9	3.1	3.3	3.8	2.1	11	2.2	3.2	3.6	3.3	1.4
Week	27	8	2.6	2.7	2.9	2.8	0.6	7	1.8	2.4	3.4	2.6	0.8
	28 29	5 5	2.9	3.2	4.1 3.1	4.7 3.0	3.8 0.4	9	1.8 3.2	1.9 3.3	2.1 3.3	2.0 3.2	0.3
	30	10	2.3	2.9	3.3	2.8	1.0	11	3.1	3.5	4.0	3.8	1.0
	31	3	2.2	2.7	21.3	14.8	17.7	8	3.5	4.0	4.1	3.7	0.9
ĺ	32	10	2.2	2.8	3.2	3.3	2.1	12	2.9	3.7	4.2	3.6	1.1
ĺ	33	18	4.0	4.5	6.0	5.1	2.1	12	3.5	4.5	7.7	5.4	2.7
	34 35	29 12	3.4	3.8	5.0 4.9	4.2	1.3 1.2	12	3.6	4.5 4.6	5.6 5.1	4.7 4.4	1.8 1.8
ĺ	36	0	3.5	3.7	4.9	4.0	-	2	4.2	4.6	4.4	4.4	0.2
	37	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	38	8	3.2	3.8	4.9	4.0	1.4	6	4.2	6.3	6.8	5.6	1.5
	39	19	2.8	3.1	3.9	3.2	1.0	14	3.4	3.8	4.1	4.1	1.5
ĺ	40	14	2.2	3.1	3.9	3.8	2.5	15	2.8	4.7	5.5	4.2	1.5
	41	12 14	3.3	3.9	4.2 3.7	3.6 4.0	0.9 2.4	9	3.6 3.1	3.7	4.0 3.6	3.6 4.8	0.8 3.6
ĺ	43	11	3.1	3.5	5.2	4.0	1.8	22	3.8	4.1	7.2	5.2	2.3
	44	29	3.3	3.8	4.9	4.4	1.7	16	3.5	4.0	5.0	4.5	1.4
ĺ	45	16	3.3	4.2	5.5	4.4	1.4	18	3.3	3.8	4.4	3.9	1.5
	46	16	3.4	4.2	5.2	4.3	1.5	24	1.8	2.1	3.9	2.9	1.7
	47	26	4.6	6.5	8.4	6.6	2.1	5	2.7	3.1	4.3	3.3	0.9
	48	4	2.8	4.2	7.9	6.4	5.5	1	2.2	2.2	2.2	2.2	0.0
ĺ	49 50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	20		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ur)
Ď	e Pd.	nt		ercenti				nt		ercentil			
Time	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2014	152	3.7	4.3	7.3	6.9	6.2	135	4.5	5.3	6.4	6.1	2.7
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	0	-	-	-	-	-	0	-	-	-	-	
£	May	2	3.3	3.5	3.8	3.5	0.5	1	4.2	4.2	4.2	4.2	0.0
Month	Jun Jul	0	-			-	-	0			-	-	-
<b> </b>	Aug	2	5.4	5.9	6.4	5.9	1.0	0	-	-	-	-	-
	Sep	34	3.4	3.8	6.4	5.4	3.7	26	5.0	5.5	8.3	6.9	2.8
	Oct	69	3.8	4.2	7.0	6.0	4.1	60	4.6	5.3	6.3	6.2	2.6
	Nov	45	3.9	5.3	12.5	9.7	9.0	48	4.1	4.8	6.0	5.6	2.7
_	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	1	3.0	3.0	3.0	3.0	0.0	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	4.0	4.0	4.0	4.0	0.0	0	4.2	4.2	4.2	4.2	0.0
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
ž	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	0	-	-	-	-	-	0	-	-	-	-	-
ľ	28	0	-	-	-	-	-	0	-	-	-	-	-
	29 30	0	<del>-</del>	-	-	<del>-</del>		0	-	-		-	
ĺ	31	0	-	-	-	-	-	0	-	-	-	-	-
	32	0	-	-	-	-	-	0	-	-	-	-	-
	33	1	6.8	6.8	6.8	6.8	0.0	0	-	-	-	-	-
ĺ	34	0	- 4.0	- 4.0	- 4.0	-	-	0	-	-	-	-	-
	35 36	0	4.9	4.9	4.9	4.9	0.0	0	-	-	-	-	-
ĺ	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	9	3.2	5.0	6.2	5.7	4.5	6	5.0	5.3	7.2	6.3	1.9
ĺ	39	19	3.3	3.7	6.2	5.0	3.2	14	5.4	5.5	7.8	6.5	2.1
	40	13	3.9	4.6	8.8	6.8	3.7	14	4.3	5.0	5.6	6.2	3.4
ĺ	41	12	3.9	4.2	5.1	4.4	1.2	9	4.7	5.3	6.0	5.7	1.8
	42	13 13	3.2	3.8 4.1	4.7 7.6	5.4 6.1	3.8 4.2	6 23	4.4 5.0	4.8 6.0	5.2 9.3	5.4 7.2	1.9 3.2
ĺ	44	28	3.8	4.9	7.8	7.1	5.2	15	4.9	5.6	6.1	6.0	2.3
	45	14	3.9	4.6	6.4	6.0	3.3	21	4.6	5.0	6.6	5.8	2.1
ĺ	46	16	3.8	4.5	8.6	6.4	3.7	21	3.9	4.7	5.3	5.0	2.2
	47	10	5.0	13.7	29.6	17.3	12.5	5	3.8	6.2	6.4	7.5	5.2
ĺ	48	1	35.7	35.7	35.7	35.7	0.0	0	-	-	-	-	-
	49 50	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
L	53	0	-	-	-	-	-	0	-	-	-	-	-

L	21		Dov	vnstrea	m Dire	ction			ı	Instrear	n Direct	ion	
_						ate (ho	ur)					ate (hou	ır)
Unit	Pd.	į		ercenti				¥		ercentil		1000	
Time I	Time I	Count				ł _	Std.	Count				_	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	243 0	3.1	3.7	4.8	6.4	9.3	220 0	3.3	4.1	5.5	5.7	7.6
	Jan Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0				-	-	0					
	Apr	0	-	-	-	-	-	1	4.7	4.7	4.7	4.7	0.0
	May	2	1.9	2.2	2.5	2.2	0.6	3	3.8	4.1	26.5	18.8	21.2
Month	Jun	2	16.7	28.1	39.5	28.1	22.8	4	3.9	4.4	5.1	4.6	0.8
β	Jul	0	-	-	-	-	-	3	10.1	17.4	33.5	23.3	19.5
	Aug	12	3.8	4.3	4.8	10.0	15.9	12	4.1	4.5	5.4	4.7	1.4
	Sep	80	2.9	3.3	3.9	3.8	2.4	68	3.7	4.2	5.9	7.0	10.2
	Oct	69	3.0	3.6	4.1	3.9	2.2	65	3.7	4.1	5.2	4.6	2.1
	Nov	78	3.4	4.3	10.4	10.3	12.8	64	2.0	3.5	4.7	4.3	4.4
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-		-	-	0	-	-	-	-	_
	10	0	-	-		-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	-	-
	15 16	0	-	-	-	-	-	1	4.7	4.7	4.7	4.7	-
	17	0	-	-	-	-	-	0	4.7	4.7	4.7	4.7	0.0
	18	0				<del></del>		0					
	19	1	1.6	1.6	1.6	1.6	0.0	1	48.8	48.8	48.8	48.8	0.0
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	1	4.1	4.1	4.1	4.1	0.0
	22	1	2.7	2.7	2.7	2.7	0.0	1	3.6	3.6	3.6	3.6	0.0
	23	1	5.3	5.3	5.3	5.3	0.0	1	3.8	3.8	3.8	3.8	0.0
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	1	50.9	50.9	50.9	50.9	0.0	1	4.9	4.9	4.9	4.9	0.0
쓩	26	0	-	-	-	-	-	1	3.9	3.9	3.9	3.9	0.0
Week	27	0	-	-	-	-	-	1	5.8	5.8	5.8	5.8	0.0
	28 29	0	-	-	-	-	-	0 1	2.8	2.8	2.8	2.8	0.0
	30	0						0	2.0	2.0	2.0	2.0	0.0
	31	2	19.6	33.5	47.5	33.5	27.9	2	25.4	33.5	41.5	33.5	16.0
	32	0	-	-	-	-	-	0	-	-	-	-	-
	33	2	7.6	10.6	13.7	10.6	6.1	1	4.9	4.9	4.9	4.9	0.0
	34	1	4.3	4.3	4.3	4.3	0.0	2	3.2	3.9	4.6	3.9	1.4
	35	4	3.6	3.8	4.1	3.9	0.4	5	4.2	5.8	6.4	5.2	1.8
	36	21	3.1	3.3	3.9	3.8	1.6	21	4.0	4.6	7.3	10.8	16.2
	37	12	3.0	3.6	4.1	4.8	3.6	13	2.7	3.4	4.1	3.8	1.4
	38	23	2.3	3.1	3.8	3.3	1.4	16	3.7	4.6	5.8	4.8	1.6
	39 40	19 14	2.9 3.0	3.3	3.6	3.9 3.4	3.0 0.8	17 12	3.8 2.5	4.7	6.4 4.3	6.7 3.8	7.3 1.5
	41	13	2.0	3.8	4.5	3.7	1.6	12	3.6	4.0	7.1	5.3	2.5
	42	13	2.8	3.4	4.1	3.5	0.9	10	3.5	4.4	5.6	4.7	1.9
	43	14	2.5	3.6	4.3	4.4	4.0	21	3.8	4.2	4.8	4.8	2.4
	44	27	3.4	3.8	4.1	3.9	1.5	19	3.8	4.3	5.9	5.1	2.0
	45	20	3.1	3.4	4.0	3.7	1.6	20	2.5	4.0	4.5	4.0	1.6
	46	16	3.5	3.7	4.0	3.9	0.7	27	1.9	2.1	3.7	3.0	1.9
	47	19	3.4	6.2	8.1	6.9	4.3	13	2.1	3.5	6.8	6.7	8.4
	48	19	19.0	23.6	37.0	27.5	16.0	0	-	-	-	-	-
	49	0	-	-	-	-	-	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	00	U						U					

L	22		Dov	vnstrea	m Dire	ction			- 1	Instrear	n Direct	ion	
_				vel Tim			ur)					ate (ho	ur)
Unit	∍ Pd.	Ħ		ercenti				Ħ		ercentil			
Time	Time	Count					Std.	Count					Std.
Ÿ	2014	409	<b>25th</b> 3.1	<b>50th</b> 3.6	<b>75th</b> 4.2	<b>Avg.</b> 4.1	<b>Dev.</b> 2.7	410	<b>25th</b> 4.3	<b>50th</b> 4.9	<b>75th</b> 5.6	<b>Avg.</b> 5.4	<b>Dev.</b> 2.9
Ė	Jan	0	-	-	-	-4.1	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	25	2.8	3.0	3.3	3.7	2.1	33	3.8	4.3	5.1	5.3	5.4
ے	May	54	2.7	3.1	3.4	3.5	2.6	64	4.3	4.7	5.2	5.3	2.7
Month	Jun Jul	50 25	2.8 3.0	3.1	3.3 4.1	3.2 5.3	0.7 6.0	53 40	4.3 4.1	4.8	5.7 5.3	5.5 5.6	3.1 3.8
Σ	Aug	62	3.7	4.2	4.8	4.9	3.2	59	4.6	5.2	5.7	5.5	2.6
	Sep	80	3.2	3.6	4.1	3.9	1.5	66	4.6	5.1	6.1	5.6	1.9
	Oct	65	3.4	3.8	4.3	4.3	2.1	56	4.6	5.0	6.2	5.5	1.7
	Nov	48	3.6	3.9	4.5	4.7	2.7	39	4.2	4.6	5.2	4.6	0.9
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	_	-
1	5	0		-		-	-	0	-	-	-	-	
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	1	7.7	7.7	7.7	7.7	0.0	1	3.8	3.8	3.8	3.8	0.0
	15	1	2.7	2.7	2.7	2.7	0.0	2	11.8	19.8	27.8	19.8	16.0
	16 17	6 12	2.8	3.0	3.4	3.6	1.6 2.4	9	3.7	4.3	5.0 4.8	4.3 4.2	0.8
	18	10	2.9	3.0	3.4	3.8	0.4	15 15	3.6 4.4	5.0	5.3	5.3	0.7 2.2
	19	17	2.7	2.9	3.3	4.2	4.5	18	4.7	4.9	5.1	4.9	0.6
	20	7	3.1	3.3	3.4	3.3	0.2	11	4.2	4.6	5.0	4.8	1.3
	21	8	2.7	2.9	3.3	3.0	0.4	12	4.2	4.5	5.1	5.8	3.7
	22	17	2.9	3.2	3.4	3.3	0.6	14	4.3	4.8	5.3	5.8	3.9
	23	11	3.0	3.2	3.4	3.4	0.8	15 15	4.3	4.9 5.3	5.5 6.2	5.7 5.4	3.4 1.1
	25	16 8	2.8	3.0	3.5	3.3 2.9	0.0	11	4.1	4.7	5.8	6.6	4.9
Ļ	26	11	2.8	2.8	3.2	3.2	0.9	9	3.7	4.6	4.7	4.4	1.1
Week	27	5	2.7	2.7	2.8	2.8	0.3	5	3.4	4.3	4.7	4.2	0.7
>	28	3	2.9	3.0	3.1	3.0	0.2	2	4.4	4.9	5.4	4.9	1.0
	29	4	3.1	3.3	3.6	3.4	0.5	11	4.5	5.3	5.4	5.0	0.6
	30	11 6	3.6	3.8 4.0	4.0 7.7	4.8 9.2	3.5 10.2	15 12	4.1	4.7 5.0	6.0 5.3	6.7 4.9	5.9 0.8
1	31	7	3.7	3.7	4.0	3.5	0.6	12	4.5	4.8	5.3	6.1	4.9
1	33	19	4.2	4.8	7.3	5.7	2.2	17	4.7	5.2	5.7	5.4	1.1
1	34	19	3.9	4.1	4.4	5.4	4.9	13	4.9	5.3	6.2	6.0	2.3
1	35	15	3.7	4.3	4.6	4.2	1.1	11	4.7	5.3	5.7	5.0	1.1
1	36	21	3.5	3.6	6.3	4.5	1.8	21	4.6	5.0	5.7	5.1	1.3
1	37	12 23	3.1	3.6 3.6	3.8 4.1	4.0 3.6	2.0 0.9	11 18	4.8 4.6	5.1 5.3	6.2	6.1 5.8	2.9
1	38 39	19	2.9	3.2	3.6	3.3	0.9	16	4.0	5.1	6.1 5.8	5.8 5.3	0.9
1	40	9	3.6	3.8	4.6	4.4	1.3	7	4.1	5.0	5.9	5.0	1.1
1	41	13	3.2	3.7	4.6	4.1	1.9	11	4.9	6.3	6.8	5.9	1.6
1	42	14	3.5	3.8	4.5	4.9	2.9	6	4.7	5.1	5.8	5.6	1.5
1	43	12	3.4	3.5	3.8	3.6	0.4	20	4.5	5.0	6.2	5.4	1.8
1	44 45	27 21	3.5	3.9 3.8	4.2	4.2 3.7	1.9 0.6	19 19	4.7 4.4	5.0 4.9	5.6 5.2	5.4 4.8	1.4 0.6
1	46	11	3.8	4.1	4.3	5.0	3.3	12	3.5	4.9	4.9	4.4	1.3
1	47	0	-	-	-	-	-	3	4.1	4.5	4.5	4.3	0.4
1	48	13	3.9	5.2	6.3	6.4	3.6	2	4.5	4.8	5.1	4.8	0.6
1	49	0	-	-	-	-	-	0	-	-	-	-	-
1	50	0	-	-	-	-	-	0	-	-	-	-	-
1	51	0	-	-	-	-	-	0	-	-	-	-	-
1	52 53	0	-	-	-			0	-	-	-	-	-
_	- 55												

L	23		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
_				vel Tim			ur)			•		ate (hou	ur)
• Unit	∍ Pd.	nt		ercenti				Ħ		ercentil		1000	l
Time I	Time	Count				1	Std.	Count					Std.
Ϋ́	2014	468	<b>25th</b> 3.1	<b>50th</b> 3.7	<b>75th</b> 4.3	<b>Avg.</b> 4.1	<b>Dev.</b> 3.5	452	25th	50th	75th	Avg.	<b>Dev.</b> 4.0
-	Jan	0	3.1	3.7	4.3	4.1	3.5	452	3.3	3.9	5.0	4.7	4.0
	Feb	0	-	-	-	-	-	0	-	_	-	-	_
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	35	1.5	2.4	3.3	3.5	5.1	44	3.3	3.9	5.1	4.5	2.4
l _ l	May	72	2.2	3.0	3.6	3.1	1.3	70	3.2	3.6	4.1	4.3	3.6
Month	Jun	58	3.2	3.5	4.0	3.8	1.8	61	3.2	3.6	4.4	3.8	1.5
Š	Jul	39	2.6	3.1	3.8	3.3	1.4	53	2.7	3.7	4.2	3.7	1.3
	Aug	80	3.8	4.2	4.8	5.6	6.8	69	3.7	4.2	6.2	5.9	5.6
	Sep Oct	73 66	3.4	3.8	4.3	4.0 4.2	1.3 2.3	66 58	3.6	4.2	5.5 5.5	5.5 5.0	6.3 3.4
	Nov	45	3.5	4.0	4.8	4.3	1.5	31	2.3	4.0	4.7	3.7	1.3
	Dec	0	-	-	-	-	-	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-		0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	1	1.4	1.4	1.4	1.4	0.0	1	1.8	1.8	1.8	1.8	0.0
	15	3	2.9	4.3	17.5	12.1	13.1	7	4.3	5.2	6.7	6.8	4.5
	16	7	1.4	1.4	1.9	1.8	0.6	8	3.0	3.9	5.0	4.4	2.1
	17 18	16 16	1.5 2.5	2.2 3.2	3.2	2.3 3.5	0.8 2.6	19 17	3.3	3.7	4.2 4.4	3.7 4.1	1.0 1.6
	19	24	1.9	2.7	3.6	2.9	1.5	18	3.7	4.2	5.0	4.7	2.4
	20	9	2.8	3.0	3.5	3.2	0.7	14	3.2	3.5	3.6	5.6	6.4
	21	13	2.8	3.1	3.5	3.2	1.3	16	3.4	3.5	3.8	3.4	0.7
	22	18	2.7	3.4	3.6	3.3	1.2	14	2.2	3.3	4.0	4.0	3.2
	23	13	3.4	3.8	4.1	3.7	0.7	16	3.3	4.3	4.6	4.2	0.9
	24	17	3.2	3.5	3.7	3.5	1.0	17	3.3	3.6	4.4	4.1	2.0
	25	11	3.4	3.6	3.9	3.7	0.3	14	2.6	3.5	4.3	3.6	1.1
Week	26 27	13 7	3.2	3.3	4.0 6.3	3.5 5.6	0.8 4.7	10 9	2.1	2.5	3.4 3.6	2.6 3.1	0.7 1.3
š	28	8	2.4	2.9	3.1	3.5	2.1	3	2.4	2.7	2.7	2.5	0.3
	29	8	2.8	3.4	3.8	3.2	0.7	13	2.6	3.7	3.9	3.5	1.1
	30	14	3.0	3.4	4.0	3.3	0.9	22	3.3	3.8	4.9	4.0	1.2
	31	7	2.4	2.8	2.9	2.6	0.5	13	3.8	4.1	4.7	4.2	1.3
	32	9	3.5	3.7	4.0	8.3	13.5	13	2.7	3.4	5.2	4.2	2.3
	33	24	3.6	4.4	5.3	4.6	1.6	23	3.8	4.4	6.0	5.3	3.0
	34 35	29 14	4.0 3.8	4.3 4.1	5.0 4.2	6.0 4.4	7.5 1.6	15 14	4.0 3.6	4.4 6.5	5.8 9.4	4.7 10.2	1.5 10.5
	36	18	3.6	3.9	5.0	5.0	3.5	20	4.0	4.7	6.0	5.8	5.1
	37	13	3.6	3.9	4.1	3.9	0.9	10	3.1	4.1	4.9	8.3	13.6
	38	20	3.4	3.8	4.4	4.0	1.1	19	3.6	4.5	5.6	4.5	1.7
	39	19	3.4	3.8	4.1	4.1	1.5	15	3.6	3.8	5.2	4.4	1.2
	40	8	3.3	3.6	4.4	4.0	0.9	5	3.4	4.2	5.8	6.0	3.7
	41	13	3.4	4.0	4.4	4.6	2.2	11	3.9	4.6	5.8	4.7	1.5
	42	13	3.3	3.7	3.9	3.5	0.8	6	4.2	4.6	5.0	5.0	1.5
	43	13 28	3.2	3.7 4.0	4.5 4.4	4.1 4.4	1.7 2.9	23 17	3.8	4.2	4.8 6.1	4.4 6.2	1.5 5.6
	45	18	3.2	4.0	4.7	4.0	1.0	20	3.0	4.3	4.6	3.8	1.0
	46	12	3.6	3.8	4.4	4.0	0.5	8	1.8	2.2	5.2	3.3	1.8
	47	0	-	-	-	-	-	0	-	-	-	-	-
	48	9	3.8	5.2	6.2	5.2	1.6	2	2.3	2.5	2.7	2.5	0.3
	49	3	3.9	5.3	8.1	6.3	3.5	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-		0	-	-	-	-	-
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L	24		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (hou	ır)
J.	e Pd.	nt		ercenti				Ħ		ercentil			
Time	Time	Count	25th	50th	75th	Ava	Std. Dev.	Count	25th	50th	75th	A	Std. Dev.
Y	2014	478	2.2	2.7	4.8	<b>Avg.</b> 4.3	3.7	463	3.2	3.7	5.2	<b>Avg.</b> 4.8	3.1
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	0	-	-	-	-	-	0	-	-	-	-	-
	Apr	35	1.9	2.3	5.0	4.3	4.1	45	3.1	3.5	4.8	4.8	3.7
ڃا	May	71	2.1	2.4	5.5	4.3	3.5	75	3.2	3.6	4.7	4.5	2.4
Month	Jun Jul	57 34	2.1	2.3	2.5 7.7	3.1 6.1	2.4 5.4	58 50	3.2	3.5	4.5 4.5	4.6 4.9	3.1
-	Aug	93	2.5	3.0	4.2	3.9	3.0	79	2.5	3.5	5.3	4.5	2.9
	Sep	78	2.4	2.8	4.4	4.1	3.2	66	3.3	3.9	4.8	4.8	3.0
	Oct	64	2.4	2.7	5.4	4.5	3.3	59	3.4	4.6	6.8	5.8	3.5
	Nov	45	2.7	3.0	5.9	5.0	4.7	31	2.9	3.2	5.2	4.2	1.9
	Dec 1	0	3.5	3.5	3.5	3.5	0.0	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	_	_	-	-		0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	2	2.2 3.1	2.6 3.5	2.9 3.8	2.6 3.5	0.7	3 6	4.4 3.3	6.5 3.8	6.8 4.4	5.3 4.1	2.1 1.4
	16	7	1.8	1.9	2.2	2.5	1.4	7	2.9	3.8	12.5	8.6	7.3
	17	15	2.0	2.3	8.6	5.4	5.5	19	3.1	3.3	3.8	4.0	2.0
	18	17	2.0	2.5	4.8	3.7	2.5	18	3.2	3.6	5.1	4.4	1.9
	19	24	1.9	2.2	3.6	3.5	2.7	18	3.5	3.9	4.4	4.4	1.5
	20	6 15	2.0	2.1	2.3 9.4	7.2	0.2 4.4	16 18	3.2	4.0 3.5	8.2 4.7	5.7 4.3	3.5
	21	18	2.0	7.6 2.4	4.7	4.2	3.5	15	3.2 2.7	3.2	3.9	3.4	2.3 1.0
	23	13	2.3	2.5	2.9	3.8	3.2	14	3.2	3.8	4.1	4.9	3.3
	24	17	2.1	2.3	2.3	2.8	1.7	17	3.2	3.5	4.6	4.0	1.2
	25	10	2.1	2.3	3.9	3.3	2.0	12	3.1	3.5	3.8	4.0	1.6
용	26	13	2.0	2.1	2.2	2.9	2.7	13	3.1	3.5	4.1	5.3	4.7
Week	27 28	5 6	1.8 5.5	2.0 13.5	2.1 18.5	2.0 12.0	0.2 6.8	5 2	5.5 3.5	6.3 3.7	8.8 3.8	7.1 3.7	0.3
	29	7	2.7	2.7	6.0	4.6	2.7	12	3.3	3.6	4.0	5.5	6.1
	30	14	2.3	2.4	6.4	5.3	5.2	22	3.1	3.3	4.1	4.7	3.0
	31	10	2.2	3.6	5.5	4.1	2.3	14	3.5	3.8	5.7	4.8	1.7
	32	11	2.0	2.9	5.4	4.6	3.9	17	2.5	3.3	5.3	4.5	2.7
	33	27 32	2.6	3.3 2.8	4.9 3.3	4.4 3.6	3.6 2.6	24 19	3.2 2.6	3.6	5.7 5.6	4.7 4.5	3.3 2.7
	35	18	2.0	3.0	3.3	3.2	1.7	15	2.0	2.8	3.9	3.7	2.7
	36	15	2.6	2.8	3.7	3.7	2.1	18	3.7	4.2	4.9	4.7	1.9
	37	13	2.4	2.7	3.1	4.1	3.0	8	3.5	4.1	12.2	7.7	5.6
	38	17	2.5	3.3	6.8	5.1	4.6	17	3.4	3.7	5.1	4.9	2.8
	39	27	1.8	2.8	4.6	3.9	2.9	20	3.0	3.7	4.5	3.7	1.2
	40	9 12	2.6	2.7 3.2	3.2	3.3	2.0	6 12	2.7 3.3	3.6 4.1	4.2 5.6	3.6 4.5	1.2
	42	13	2.3	2.6	3.2	3.9	3.3	7	4.4	5.4	7.9	7.7	5.4
	43	12	2.3	2.6	7.6	5.2	3.7	22	3.4	4.9	9.1	6.5	3.6
	44	27	2.5	3.3	6.2	4.9	3.3	18	3.2	3.7	4.8	4.8	2.7
	45	18	2.6	3.4	6.5	6.4	6.7	20	3.1	3.6	5.8	4.4	2.0
	46	13	2.5	2.8	3.1	3.3	1.5	8	2.8	3.7	4.8	4.1	1.7
	47 48	10	2.9	3.1	4.2	3.9	1.5	1	2.8	2.8	2.8	2.8	0.0
	49	3	5.0	6.4	9.5	7.5	3.8	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-		-		0	-	-	-	-	
	52	0	-	-	-	-	-	0	-	-	-	-	-
ш	53	0	-	-	-	-	-	0	-	-	-	-	-

Fig.	L	25		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Part	_							ur)						ur)
Variable	ž	e Pd	nt						Ħ					
Variable	<u>ä</u>	ime	In o				1		no;				1	Std.
Feb   0														
Feb   0	<u> </u>					4.2	4.3	5.1			3.0	4.0		3.2
May						-	-	-			_	-		_
No.   Part   P		_		1.3	1.3	1.3	1.3	0.0	2	3.1	3.2	3.2	3.2	0.1
### A		Apr	40	1.7	2.9	3.3	4.0	6.5	49	3.3	3.9	4.6	4.1	1.4
Not   Sep   65   2.9   3.4   4.1   3.6   1.6   85   2.4   3.7   4.6   3.8   2.9   3.4   4.1   4.9   7.8   61   3.4   4.3   4.3   5.1   4.8   3.6   Not   82   3.4   4.2   6.5   5.8   4.2   66   2.0   2.8   4.0   3.4   2.5   2.0   2.3   3.4   3.5   3.4   2.5   3.5   3.5   3.5   5.8   7.8   7.1   7.9   7.0   7.5	_	May	75	2.0	2.8	3.3	3.1	2.5	79	3.2	3.9	5.2	4.5	3.0
Not   Sep   65   2.9   3.4   4.1   3.6   1.6   85   2.4   3.7   4.6   3.8   2.9   3.4   4.1   4.9   7.8   61   3.4   4.3   4.3   5.1   4.8   3.6   Not   82   3.4   4.2   6.5   5.8   4.2   66   2.0   2.8   4.0   3.4   2.5   2.0   2.3   3.4   3.5   3.4   2.5   3.5   3.5   3.5   5.8   7.8   7.1   7.9   7.0   7.5	Ħ													6.7
Sep   65   29   34   41   49   78   61   34   43   5.1   48   3.1	ž													1.4
Nov 82 3.4 42 6.5 5.8 4.2 66 2.0 2.8 4.0 3.4 2.5     Nov 82 3.5 5.8 5.9 7.8 7.1 1.9 0														
Nov   82   3.4   4.2   6.5   5.8   4.2   66   2.0   2.8   4.0   3.4   2.6		_												
Dec   3   5.8   5.9   7.8   7.1   1.9   0   -   -   -   -   -   -   -   -   -		_												
3			0			-		-	0	-	-	-	-	-
4		2	0	-	-	-	-	-	0	-	-	-	-	-
S			0	-	-	-	-	-	0	-	-	-	-	-
				-		-	-							-
T		_		-		-	-					<b>-</b>	1	-
R				-	-	-	-							
9 0 0 0 0				-		-								
10				-	-	-	-	-			-	-	-	-
12		10	0	-	-	-	-	-	0	-	-	-	-	-
13		11	0	-	-	-	-	-	0	-	-	-	-	-
14		-		-	-	-	-	-				-		-
15				-		-	-	-						0.0
16														
17		-												
18														0.8
No.   10   10   10   10   10   10   10   1		-												1.7
The state of the		19	25	1.7	2.5	3.2	2.6	1.4	20	3.8	4.2	6.1	5.8	4.6
The following in the following is a second of the following is a second														1.6
1														2.8
24         18         2.7         2.9         3.2         3.0         0.4         19         3.3         3.7         4.2         3.8         0.0           25         9         3.1         3.7         3.9         4.4         2.7         14         3.1         3.6         7.2         8.2         13.           26         10         2.5         3.1         4.2         4.5         3.2         14         2.8         3.5         4.0         3.6         1.2           28         8         3.0         4.0         8.6         6.4         5.2         2         2.4         2.5         2.5         2.5         0.0           29         10         2.5         3.0         3.3         3.1         0.7         14         2.3         3.0         3.8         3.1         1.1           30         15         2.8         3.3         4.0         7.9         16.6         23         3.4         3.8         4.9         4.1         1.4           31         12         2.2         2.6         3.0         2.7         1.1         16         3.4         3.8         4.9         4.1         1.4           32														
No. of the color														0.8
26 10 2.5 3.1 4.2 4.5 3.2 14 2.8 3.5 4.0 3.6 1.2 27 5 2.7 2.8 3.4 4.2 2.7 2 2.0 2.3 2.7 2.3 0.3 2.8 8 8 3.0 4.0 8.6 6.4 5.2 2 2.4 2.5 2.5 2.5 2.5 0.6 2.9 10 2.5 3.0 3.3 3.1 0.7 14 2.3 3.0 3.8 3.1 1.0 30 15 2.8 3.3 4.0 7.9 16.6 23 3.4 3.8 4.8 4.0 1.3 31 12 2.2 2.6 3.0 2.7 1.1 16 3.4 3.8 4.9 4.1 1.4 32 31 32 11 1.7 2.8 3.3 2.8 1.7 18 2.0 2.5 3.1 2.7 0.8 31 2.8 2.5 3.6 3.9 3.4 1.4 26 3.8 4.7 5.9 4.9 2.3 34 33 3.4 3.9 5.3 4.3 1.9 19 2.7 3.9 4.6 3.8 1.6 3.8 1.6 3.5 17 3.2 3.5 3.8 3.2 0.9 15 1.9 3.2 3.9 3.0 1.3 36 7 3.8 5.3 10.5 14.2 20.4 14 3.8 4.5 5.0 4.5 1.3 37 12 3.1 3.5 4.0 3.8 1.1 4 3.9 4.6 5.1 4.4 1.4 3.8 12 3.3 3.4 4.2 4.0 1.9 18 4.1 4.7 7.2 5.6 2.5 3.9 2.7 2.4 3.2 4.1 3.9 3.2 21 3.3 3.8 4.8 5.1 4.1 1.4 3.9 4.6 5.1 4.4 1.4 3.9 19 2.7 3.9 3.8 5.1 4.3 1.9 19 2.7 3.9 4.6 3.8 5.1 4.1 4.1 4.3 3.9 4.6 5.1 4.4 1.4 3.8 4.5 5.0 4.5 1.3 3.1 3.5 4.0 3.8 1.1 4 3.9 4.6 5.1 4.4 1.4 4.7 7.2 5.6 2.5 4.4 1.4 3.1 3.4 3.8 3.4 0.9 18 1.9 3.8 4.2 4.6 5.3 4.7 1.6 4.4 1.4 4.7 4.7 4.2 5.0 4.8 1.5 4.4 4.4 2.7 3.2 3.7 6.0 4.4 1.7 19 4.3 5.3 6.5 5.7 1.5 4.4 4.4 2.7 3.2 3.7 6.0 4.4 1.7 19 4.3 5.3 6.5 5.7 1.5 4.4 4.0 1.9 4.4 3.8 1.3 4.2 4.1 5.0 4.4 1.5 4.4 4.0 1.9 4.4 3.8 1.3 4.2 4.1 5.0 4.4 1.7 1.0 4.4 4.3 5.0 4.8 1.5 4.4 4.0 1.4 4.0 4.4 4.3 5.0 4.8 1.5 4.4 4.0 1.9 4.4 5.8 5.3 5.1 5.1 5.1 8 4.2 4.6 5.3 4.7 1.0 4.4 4.8 4.9 4.0 1.6 2.0 3.8 4.4 4.5 5.0 4.8 1.5 4.4 4.0 4.4 5.0														13.5
28         8         3.0         4.0         8.6         6.4         5.2         2         2.4         2.5         2.5         2.5         0.0           29         10         2.5         3.0         3.3         3.1         0.7         14         2.3         3.0         3.8         3.1         1.1           30         15         2.8         3.3         4.0         7.9         16.6         23         3.4         3.8         4.9         4.1         1.4           31         12         2.2         2.6         3.0         2.7         1.1         16         3.4         3.8         4.9         4.1         1.4           32         11         1.7         2.8         3.3         2.8         1.7         18         2.0         2.5         3.1         2.7         0.0           33         28         2.5         3.6         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.2           34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           3	٧.													1.2
28         8         3.0         4.0         8.6         6.4         5.2         2         2.4         2.5         2.5         2.5         0.0           29         10         2.5         3.0         3.3         3.1         0.7         14         2.3         3.0         3.8         3.1         1.1           30         15         2.8         3.3         4.0         7.9         16.6         23         3.4         3.8         4.9         4.1         1.4           31         12         2.2         2.6         3.0         2.7         1.1         16         3.4         3.8         4.9         4.1         1.4           32         11         1.7         2.8         3.3         2.8         1.7         18         2.0         2.5         3.1         2.7         0.8           34         33         3.4         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.2           34         33         3.4         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.2           34         33         3.4	Vee	27	5	2.7	2.8	3.4	4.2	2.7	2	2.0	2.3	2.7	2.3	0.7
30         15         2.8         3.3         4.0         7.9         16.6         23         3.4         3.8         4.8         4.0         1.3           31         12         2.2         2.6         3.0         2.7         1.1         16         3.4         3.8         4.9         4.1         1.4           32         11         1.7         2.8         3.3         2.8         1.7         18         2.0         2.5         3.1         2.7         0.8           33         28         2.5         3.6         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.7           34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           35         17         3.2         3.5         3.8         3.2         0.9         15         1.9         3.2         3.9         3.0         1.7           36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1. <t< td=""><td>&gt;</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.0</td></t<>	>													0.0
31         12         2.2         2.6         3.0         2.7         1.1         16         3.4         3.8         4.9         4.1         1.4           32         11         1.7         2.8         3.3         2.8         1.7         18         2.0         2.5         3.1         2.7         0.8           33         28         2.5         3.6         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.7           34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           35         17         3.2         3.5         3.8         3.2         0.9         15         1.9         3.2         3.9         3.0         1.7           36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1.7           37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.0</td></td<>														1.0
32         11         1.7         2.8         3.3         2.8         1.7         18         2.0         2.5         3.1         2.7         0.8           33         28         2.5         3.6         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.7           34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           35         17         3.2         3.5         3.8         3.2         0.9         15         1.9         3.2         3.9         3.0         1.7           36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1.7           37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4           38         12         3.3         3.4         4.2         4.0         1.9         1.8         4.1         4.7         7.2         5.6         2.5         39														1.3
33         28         2.5         3.6         3.9         3.4         1.4         26         3.8         4.7         5.9         4.9         2.7           34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           35         17         3.2         3.5         3.8         3.2         0.9         15         1.9         3.2         3.9         3.0         1.7           36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1.7           37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4           38         12         3.3         3.4         4.2         4.0         1.9         18         4.1         4.7         7.2         5.6         2.5         39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.2         3.6         5.1         4.1           <														0.8
34         33         3.4         3.9         5.3         4.3         1.9         19         2.7         3.9         4.6         3.8         1.6           35         17         3.2         3.5         3.8         3.2         0.9         15         1.9         3.2         3.9         3.0         1.           36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1.           37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4           38         12         3.3         3.4         4.2         4.0         1.9         18         4.1         4.7         7.2         5.6         2.5           39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.8         5.1         4.4           40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.2           4		_												2.7
36         7         3.8         5.3         10.5         14.2         20.4         14         3.8         4.5         5.0         4.5         1.7           37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4           38         12         3.3         3.4         4.2         4.0         1.9         18         4.1         4.7         7.2         5.6         2.3           39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.8         5.1         4.7           40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.4           41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0														1.6
37         12         3.1         3.5         4.0         3.8         1.1         4         3.9         4.6         5.1         4.4         1.4           38         12         3.3         3.4         4.2         4.0         1.9         18         4.1         4.7         7.2         5.6         2.5           39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.8         5.1         4.           40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.4           41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.5           44<														1.1
38         12         3.3         3.4         4.2         4.0         1.9         18         4.1         4.7         7.2         5.6         2.5           39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.8         5.1         4.           40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.4           41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.5           44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.5           45														1.1
39         27         2.4         3.2         4.1         3.9         3.2         21         3.3         3.8         4.8         5.1         4.           40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.4           41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.5           44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.5           45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.2           46														1.4
40         19         2.7         3.4         3.8         3.4         0.9         18         1.9         3.8         4.2         3.3         1.4           41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.9           44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.9           45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.3           46         15         3.4         3.8         4.2         4.8         4.3         26         1.9         2.2         2.9         2.6         1.0           4														
41         13         2.2         2.9         3.4         2.8         1.0         11         3.1         4.0         4.4         3.9         1.2           42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.5           44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.9           45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.3           46         15         3.4         3.8         4.2         4.8         4.3         26         1.9         2.2         2.9         2.6         1.0           47         15         3.5         5.3         6.2         5.5         3.0         12         2.2         2.5         3.9         2.9         1.0           4														1.4
42         14         3.1         3.4         5.3         5.1         5.1         8         4.2         4.6         5.3         4.7         1.0           43         12         3.1         3.3         3.8         4.0         1.6         20         3.8         4.4         5.0         4.8         1.5           44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.9           45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.3           46         15         3.4         3.8         4.2         4.8         4.3         26         1.9         2.2         2.9         2.6         1.0           47         15         3.5         5.3         6.2         5.5         3.0         12         2.2         2.5         3.9         2.9         1.0           48         29         4.5         6.3         8.5         7.9         5.1         5         1.9         3.8         10.7         6.5         5.6           4		_												1.2
44         27         3.2         3.7         6.0         4.4         1.7         19         4.3         5.3         6.5         5.7         1.9           45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.3           46         15         3.4         3.8         4.2         4.8         4.3         26         1.9         2.2         2.9         2.6         1.0           47         15         3.5         5.3         6.2         5.5         3.0         12         2.2         2.5         3.9         2.9         1.0           48         29         4.5         6.3         8.5         7.9         5.1         5         1.9         3.8         10.7         6.5         5.0           49         4         5.8         7.8         10.4         8.4         2.8         0         -														1.0
45         19         2.7         3.4         4.0         3.5         1.2         21         2.9         3.7         4.4         3.8         1.3           46         15         3.4         3.8         4.2         4.8         4.3         26         1.9         2.2         2.9         2.6         1.0           47         15         3.5         5.3         6.2         5.5         3.0         12         2.2         2.5         3.9         2.9         1.0           48         29         4.5         6.3         8.5         7.9         5.1         5         1.9         3.8         10.7         6.5         5.0           49         4         5.8         7.8         10.4         8.4         2.8         0         -		43	12	3.1	3.3	3.8	4.0		20	3.8	4.4	5.0	4.8	1.5
46     15     3.4     3.8     4.2     4.8     4.3     26     1.9     2.2     2.9     2.6     1.0       47     15     3.5     5.3     6.2     5.5     3.0     12     2.2     2.5     3.9     2.9     1.0       48     29     4.5     6.3     8.5     7.9     5.1     5     1.9     3.8     10.7     6.5     5.0       49     4     5.8     7.8     10.4     8.4     2.8     0     -     -     -     -     -     -       50     0     -     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -     -														1.9
47     15     3.5     5.3     6.2     5.5     3.0     12     2.2     2.5     3.9     2.9     1.0       48     29     4.5     6.3     8.5     7.9     5.1     5     1.9     3.8     10.7     6.5     5.0       49     4     5.8     7.8     10.4     8.4     2.8     0     -     -     -     -     -     -       50     0     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -														1.3
48     29     4.5     6.3     8.5     7.9     5.1     5     1.9     3.8     10.7     6.5     5.0       49     4     5.8     7.8     10.4     8.4     2.8     0     -     -     -     -     -     -     -       50     0     -     -     -     -     -     -     -     -     -     -     -     -     -       51     0     -     -     -     -     -     -     -     -     -     -     -       52     0     -     -     -     -     -     -     -     -     -     -     -														1.0
49     4     5.8     7.8     10.4     8.4     2.8     0     -														
50     0     - </td <td></td> <td>_</td> <td></td> <td>-</td>		_												-
51     0     - </td <td></td> <td>-</td> <td></td> <td>-</td>		-												-
1 <del>                                    </del>				-	-	-	-	-		-	-	-	-	_
53 0 0		52	0	-	-	-	-	-	0	-	-	-	-	-
		53	0	-	-	-	-	-	0	-	-	-	-	-

L	26		Dov	vnstrea	m Dire	ction				Instrear	n Direct	ion	
_				vel Tim			ur)			•		ate (hou	ır)
• Unit	∍ Pd.	Ħ		ercenti				Ħ		ercentil		1000	
Time I	Time	Count				1	Std.	Count					Std.
Ϋ́	2014	527	<b>25th</b> 3.9	<b>50th</b> 4.7	<b>75th</b> 7.8	<b>Avg.</b> 7.1	<b>Dev.</b> 6.2	519	<b>25th</b> 5.0	<b>50th</b> 6.0	<b>75th</b> 7.9	<b>Avg.</b> 7.3	<b>Dev.</b> 4.2
Ė	Jan	0	-	-4.1	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	1	2.8	2.8	2.8	2.8	0.0	1	4.4	4.4	4.4	4.4	0.0
	Apr	39	3.7	7.3	12.8	9.3	7.3	46	5.5	6.9	12.4	9.5	6.1
ے	May	76	3.8	5.8	10.5	7.8	4.8	75	5.4	6.9	11.4	8.6	4.1
Month	Jun Jul	55 38	3.9 4.1	4.7 4.5	9.8 7.7	7.5 8.7	6.0 8.9	59 54	5.2 5.3	7.2 7.2	9.4 10.4	7.8 8.7	3.3 4.9
≥	Aug	97	4.1	4.8	5.8	5.8	4.7	90	5.1	5.9	7.1	6.8	3.8
	Sep	65	3.3	4.1	4.7	4.6	2.7	58	4.8	5.4	6.5	5.8	2.1
	Oct	72	4.0	4.5	4.9	5.1	4.0	72	5.0	6.0	7.0	6.7	4.6
	Nov	81	4.3	5.3	14.3	9.8	8.3	64	4.5	5.1	6.1	5.4	1.4
	Dec	3	10.5	12.5	14.3	12.4	3.1	0	-	-	-	-	-
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0		-			-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-		-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	3	2.9	2.9	3.1	3.0	0.2	4	4.2	4.4	4.8	4.6	8.0
	15	4	2.9	3.3	5.8	5.4	3.8	5	5.5	5.8	10.9	9.8	6.7
	16 17	10	4.6 4.0	6.2	11.2	7.8	4.2 4.2	8	5.9	8.5	12.7	10.8 7.9	6.4
	18	15 17	3.8	10.2 8.3	12.0 14.0	8.9 11.0	9.5	20	5.1 7.8	6.3 10.2	9.9 15.1	12.0	3.8 6.2
	19	25	3.7	8.4	16.1	9.9	6.1	21	6.8	9.8	13.1	10.3	4.0
	20	10	6.6	8.9	11.0	9.1	3.8	12	5.6	6.2	11.9	8.5	4.3
	21	14	3.8	4.7	10.2	6.9	3.9	16	4.7	5.7	7.3	6.1	1.9
	22	18	3.9	4.2	5.4	5.2	2.0	14	5.4	5.6	6.1	6.5	2.8
	23 24	12 18	4.2 4.1	5.4 8.5	6.3	5.7	1.8 4.1	14 18	6.2	7.2 7.7	7.6 11.7	8.2 8.6	3.6
	25	9	3.9	4.0	12.0 5.0	8.4 5.0	2.5	14	5.6 4.9	7.4	8.3	7.0	2.2
Ļ	26	11	3.8	4.3	10.5	10.1	10.9	12	4.8	5.5	9.4	7.3	3.2
Week	27	6	3.4	3.5	9.8	6.6	4.5	1	5.4	5.4	5.4	5.4	0.0
>	28	9	4.4	6.9	26.3	17.1	14.5	2	6.0	6.5	7.0	6.5	1.1
	29	10	3.7	4.1	4.4	4.4	1.1	16	5.1	5.8	6.5	6.2	1.8
	30 31	13 10	4.5 3.6	4.7 5.7	7.5 11.4	6.3 7.3	2.8 4.6	23 18	5.3 6.2	8.5 9.8	12.0 13.8	9.9 10.2	6.2 4.3
	31	10	3.6	5. <i>1</i>	9.9	7.3	5.0	18	4.1	5.7	13.8	7.4	4.3
	33	28	4.2	5.1	5.9	5.0	1.5	26	5.2	5.8	6.4	5.6	1.3
	34	33	4.5	4.8	6.6	7.0	6.9	20	4.8	6.3	7.3	7.3	4.3
	35	17	3.8	4.7	5.2	4.3	1.2	16	4.6	5.3	5.8	5.1	1.4
	36	6	4.3	4.7	4.9	6.4	4.2	15	5.0	5.7	8.5	7.5	3.9
	37	8 16	4.6	4.8 4.2	5.4 4.7	5.6 4.3	2.2	4 19	7.1	7.8	7.9	7.3	1.1
	38 39	28	3.8 2.8	3.4	4.7	4.3	1.6 2.9	20	5.0 4.5	6.3 5.0	6.9 6.1	6.6 4.9	2.5 1.2
	40	19	3.9	4.3	4.9	4.5	1.1	17	4.2	4.8	6.2	5.1	1.5
	41	13	4.2	4.6	5.6	7.1	8.8	12	5.1	5.7	6.4	6.0	1.3
	42	13	4.0	4.4	4.8	4.6	1.3	11	5.9	7.0	8.3	10.1	10.4
	43	12	4.1	4.3	4.5	4.3	0.3	19	5.3	5.9	6.7	6.5	2.2
	44 45	27	4.4	4.8	5.1	5.0	1.6	21	5.6	6.0	7.0	6.3	1.2
	46	18 16	3.9 4.3	4.3 4.7	4.8 5.6	4.7 7.0	1.3 7.5	20 26	4.6 4.1	5.3 4.8	6.0 6.4	5.3 5.2	1.1
	47	14	4.1	4.8	7.8	7.8	6.6	11	4.8	5.0	5.5	5.3	1.0
	48	29	10.7	14.6	21.8	16.2	8.5	4	5.5	6.5	7.9	6.9	1.7
	49	4	7.4	10.5	13.4	10.3	4.5	0	-	-	-	-	-
	50	0	-	-	-	-	-	0	-	-	-	-	-
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52 53	0	-	-	-	-	-	0	-	-	-	-	-
ш	55	U	-		-								

L	27		Dov	vnstrea	m Dire	ction				Instrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (hou	ır)
e C	e Pd.	Ħ		ercenti		,		ınt		ercentil		<u> </u>	
Time I	Time	Count	25th	50th	75th	Avg.	Std. Dev.	Count	25th	50th	75th	Avg.	Std. Dev.
Y	2014	574	3.0	4.0	6.0	5.7	6.7	557	3.2	3.9	5.2	4.6	3.3
Ė	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	1	1.9	1.9	1.9	1.9	0.0	1	3.3	3.3	3.3	3.3	0.0
	Apr	41	1.5	2.7	4.2	3.3	2.2	49	3.2	3.8	4.3	5.3	6.0
£	May	85	2.7	3.6	5.0	4.2	2.9	82	3.4	4.0	5.5	4.6	2.2
Month	Jun Jul	65 31	3.2 2.9	3.8 4.0	4.8 5.2	4.4 7.3	2.1 11.3	65 53	3.3	3.9	4.9 4.3	4.6 4.3	3.2
_	Aug	98	3.2	4.0	5.6	5.0	4.7	88	2.3	3.8	5.2	4.2	2.5
	Sep	97	2.9	3.9	6.5	5.7	7.8	78	3.5	4.0	5.1	4.5	2.3
	Oct	71	3.7	4.5	6.5	7.6	10.3	76	3.6	4.4	6.3	5.3	4.0
	Nov	81	3.8	6.1	10.9	8.1	6.6	64	2.6	4.0	5.3	4.3	2.1
	Dec	4	4.9	6.2	6.8	5.5	2.0	1	4.1	4.1	4.1	4.1	0.0
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	4	1.5	1.7	2.0	1.8	0.4	5	2.3	2.9	3.3	10.5	15.7
	15 16	10	1.4	1.4 1.5	1.6 2.8	1.5 2.2	0.3 1.0	6 8	2.1 3.5	2.7 3.7	2.9 3.9	2.6 3.7	0.8
	17	12	1.9	4.3	5.4	4.5	2.5	19	3.5	4.0	4.3	4.7	2.2
	18	22	2.7	3.0	4.6	3.8	1.9	24	3.8	4.5	6.3	5.9	3.4
	19	23	1.8	3.1	3.8	3.6	3.1	22	3.5	4.8	6.6	5.4	2.9
	20	13	2.3	4.7	5.5	4.6	2.8	14	3.6	3.8	4.1	4.0	8.0
	21	17	3.6	4.3	5.1	4.5	2.0	17	3.3	4.3	6.3	4.7	1.7
	22	22 16	3.0	3.7 3.8	5.9 4.5	4.9 4.2	3.6 1.6	17 17	2.5 4.1	3.4 4.4	3.9 5.2	3.3 4.5	1.1
	24	18	3.5	4.1	4.7	4.4	1.9	18	3.5	3.9	5.0	5.7	5.4
	25	10	3.2	3.3	4.3	4.4	2.4	15	3.0	3.6	3.9	3.7	0.9
¥	26	15	3.2	3.6	5.5	4.8	2.8	13	3.4	4.0	6.0	4.5	1.9
Week	27	6	3.4	4.1	4.7	4.1	1.0	3	2.3	2.5	3.2	2.8	0.7
	28 29	8 10	4.2 2.8	8.3 3.3	16.4 4.0	9.9 3.4	6.3 0.7	2 15	2.6	2.9 3.5	3.1 4.0	2.9 3.5	0.5 1.0
	30	11	3.3	4.1	6.3	9.7	17.3	24	3.6	3.8	4.0	5.1	5.0
	31	7	2.4	3.4	4.2	3.3	1.5	17	2.8	4.2	4.7	3.7	1.2
	32	14	2.3	3.3	4.1	5.7	9.8	18	2.3	2.8	4.1	3.2	1.6
	33	29	2.9	4.0	6.0	4.8	3.2	26	3.5	4.6	6.1	5.3	3.4
	34 35	33 15	3.6	4.2 4.1	5.6 6.7	4.9 5.1	3.0	20 12	2.1 1.7	3.9	5.4 3.9	4.1 3.3	2.0 1.6
	36	21	2.8	3.9	5.7	4.6	3.4	26	3.7	3.9	5.5	4.7	2.9
	37	18	2.9	5.5	7.2	5.6	3.6	15	3.6	3.8	4.8	4.0	1.4
	38	23	3.2	4.9	6.4	7.6	13.4	20	3.4	4.0	5.5	4.6	2.1
	39	28	2.5	3.1	5.7	5.5	6.6	19	3.6	4.0	4.5	4.1	1.2
	40	20	3.0	3.5	6.5	6.0	6.0	17	2.3	4.2	5.8	4.4	2.4
	41	12 12	3.3	4.3 4.7	7.9 6.9	5.7 6.0	3.4 3.7	12 12	3.5 4.3	3.9 6.0	4.6 8.1	4.4 6.2	2.2
	43	12	3.9	4.7	4.6	9.8	18.6	20	3.9	4.0	5.7	5.1	2.1
	44	25	4.3	4.7	6.3	8.3	9.7	23	3.8	6.0	6.6	6.6	6.2
	45	18	3.8	4.4	6.4	5.2	2.4	18	3.5	4.3	6.6	4.7	2.0
	46	18	3.6	3.8	4.1	4.1	1.3	26	2.1	2.9	4.8	3.9	2.4
	47	15	4.3	8.5	11.3	8.4	4.5	12	2.9	3.8	5.0	3.8	1.3
	48	28 5	7.3	11.7	13.9	12.6	8.5	4	3.3	4.1	5.1	4.2	1.6
	49 50	0	5.8	6.5	7.5	6.2	2.2	0	4.1	4.1	4.1	4.1	0.0
	51	0	-	-	-	-	-	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	28		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ᆰ	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time (	Time	ŝ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	588	2.6	3.1	4.7	4.9	4.6	558	3.6	4.2	5.3	5.2	3.4
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	4	2.4	5.2	8.0	5.3	3.1	5	3.1	3.2	4.7	3.9	1.0
	Apr May	37 87	2.3	2.8	5.2 7.8	4.9 5.9	5.7 6.0	43 86	3.3	4.3	5.2 6.7	5.3 5.9	3.6 4.2
튀	Jun	68	2.5	2.8	7.9	5.9	5.3	66	3.8	4.1	5.4	5.5	4.3
Month	Jul	33	2.6	3.2	6.1	5.8	5.4	54	3.7	4.0	5.1	5.0	2.7
	Aug	102	2.9	3.5	4.7	4.7	3.4	91	3.5	4.1	5.5	4.7	2.6
	Sep	88	2.5	3.1	3.6	4.1	4.4	66	3.9	4.8	7.6	6.4	4.5
	Oct	74	2.9	3.3	3.9	4.2	2.6	75	3.7	4.3	5.2	4.9	2.2
	Nov Dec	86 9	2.8	3.2 3.1	3.7 3.1	4.3	3.8 2.6	69 3	3.2	3.8	4.4 3.2	4.0 3.1	1.2 0.1
_	1	0	2.0	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0						0					
	10	0		-	-	-	-	0	-	-	-	-	<u> </u>
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	4	2.4	5.2	8.0	5.3	3.1	3	3.1	3.2	3.9	3.6	0.7
	14	6	2.2	2.4	2.9	2.6	0.4	8	3.1	3.5	4.5	3.8	1.0
	15	4	3.2	4.4	8.5	7.4	6.6	6	3.8	4.2	5.8	5.1	1.8
	16 17	11	2.3	2.8	5.2 6.9	6.2 4.3	8.6 2.7	9 18	3.3	3.9 4.1	4.8 5.2	6.2 5.6	4.8 4.1
	18	16	2.4	2.7	6.3	4.3	2.9	15	4.0	4.7	6.5	5.5	2.0
	19	23	2.2	2.6	6.7	4.7	3.7	22	3.8	4.4	8.3	6.8	4.9
	20	14	2.4	2.7	9.3	8.1	9.7	16	3.7	4.6	6.2	5.6	2.7
	21	18	2.4	2.9	5.1	5.0	3.7	19	3.7	4.2	4.9	5.1	3.1
	22	22	2.6	3.3	11.1	7.4	6.7	18	3.6	4.1	6.7	6.2	5.8
	23	17	2.7	6.4	7.9	6.2	3.9	15	3.5	4.0	4.4	4.4	1.4
	24 25	18 13	2.6	2.8 4.5	5.1 12.2	4.7 6.9	3.5 4.8	19 16	3.8 4.0	4.1	4.7 6.1	4.4 5.6	1.0 3.3
J	26	15	2.3	2.6	9.0	7.3	8.2	14	3.9	4.2	6.6	6.1	3.8
Week	27	5	2.3	2.3	2.4	2.4	0.3	3	4.2	4.8	18.9	13.8	13.6
>	28	7	2.2	2.4	2.5	4.8	6.0	0	-	-	-	-	-
	29	9	2.8	3.3	10.8	7.7	6.6	13	3.9	4.7	6.7	6.1	2.9
	30	13	2.8	3.2	6.1	5.7	4.4	28	3.4	3.8	4.8	4.5	2.7
	31 32	11 12	3.0 2.2	3.5 3.1	4.7 5.3	4.1 4.3	2.0	18 17	3.8 2.6	4.1 3.9	5.7 5.3	5.0 4.3	2.1
	33	31	2.8	3.7	5.3	5.2	4.3	26	3.7	4.3	5.3	5.0	2.8
	34	33	3.0	3.4	3.9	4.3	2.6	21	2.8	4.5	5.7	5.0	3.0
	35	17	2.8	3.4	3.9	4.6	3.5	18	3.3	4.0	4.2	4.1	1.4
	36	17	3.2	4.0	9.3	8.0	8.5	18	4.0	4.9	8.2	5.9	2.6
	37	17	2.8	3.3	3.4	3.7	1.8	10	5.1	6.4	12.3	9.9	6.7
	38	16	2.5	2.8	3.3	3.1	1.4	11	4.1	5.0	7.2	6.5	3.6
	39 40	29 20	3.0	2.7 3.3	3.1 4.2	2.7 4.4	0.9 3.3	20 24	3.3	4.3 3.9	4.9 5.0	5.0 5.3	3.3
	41	14	3.1	3.3	3.9	3.5	1.5	9	3.8	4.3	5.3	4.8	1.1
	42	14	3.2	3.6	8.5	5.3	3.0	12	3.9	4.2	4.5	4.4	0.9
	43	15	2.7	3.1	4.8	4.2	2.1	23	3.5	4.3	5.8	5.6	3.2
	44	25	2.9	3.2	3.5	4.5	4.0	23	3.8	4.3	5.3	4.7	1.1
	45	20	2.8	3.1	3.6	3.3	0.7	19	3.5	3.9	4.6	4.3	1.6
	46	18	2.9	3.2	3.7	3.5	1.2	25	3.1	3.5	4.2	3.6	0.7
	47 48	15 30	2.9	3.2	5.1 3.5	4.3 4.9	2.4 5.1	13 5	3.4	3.7	5.0 3.8	4.2	1.5 0.5
	49	7	3.0	3.1	4.0	4.9	2.9	2	3.2	3.2	3.3	3.2	0.5
	50	1	2.8	2.8	2.8	2.8	0.0	2	3.1	3.1	3.2	3.1	0.2
	51	1	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0		-	-	-	-	0	-	_		-	_

L	29		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit	-6			vel Tim			ur)					ate (hou	ır)
e U	e Pd.	ınt	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	628	3.1	3.8	5.4	5.1	4.7	595	3.3	3.9	4.5	4.4	3.7
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	- 4.0	-	- 0.4	-	-	0	- 0.4	-	- 0.7	-	- 0.7
	Mar Apr	5 47	1.6 1.7	1.8 2.8	2.4 3.5	2.0	0.5 1.1	6 57	2.4 3.2	3.5	3.7 4.4	3.1 3.8	0.7 1.1
	May	94	2.9	4.5	10.9	7.7	8.8	90	3.5	3.8	4.7	4.7	3.4
Month	Jun	71	3.2	3.8	6.1	5.8	3.9	66	3.3	3.8	4.3	3.8	1.1
Š	Jul	38	3.6	4.2	7.2	6.8	5.6	53	3.4	3.8	4.4	5.5	7.8
	Aug Sep	96 90	3.3	4.0	5.3 5.4	4.5 4.6	2.3 3.0	85 79	3.7	4.0	4.7 4.8	5.2 4.5	5.8 1.8
	Oct	82	3.0	3.8	5.1	4.3	2.2	80	3.7	4.1	4.6	4.2	1.2
	Nov	92	3.4	3.8	4.5	4.1	1.7	73	2.3	3.2	3.9	3.3	1.3
	Dec	13	2.5	3.7	4.0	6.4	9.4	6	2.2	2.2	2.7	3.0	1.6
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0						0	-				
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12 13	0 4	1.6	1.7	1.9	1.8	0.4	0 4	2.1	2.9	3.7	2.9	0.8
	14	6	1.6	2.2	2.8	2.2	0.7	8	2.7	3.1	3.4	3.0	0.5
	15	5	1.9	1.9	2.1	2.2	8.0	7	2.6	3.2	3.8	3.2	0.7
	16	12	1.7	2.7	3.5	2.8	1.2	13	3.2	4.0	4.9	4.2	1.1
	17 18	14 22	1.7 2.6	2.7 3.1	3.1 4.1	2.5 3.8	0.8 2.5	21	3.6	3.7	4.5 4.5	4.0 4.2	1.1
	19	25	2.3	3.8	6.9	5.4	4.6	24	3.8	4.2	5.0	5.3	4.1
	20	15	2.2	9.5	14.7	10.1	8.6	17	3.3	4.2	5.2	5.3	3.5
	21	21	5.3	6.6	14.7	11.8	14.2	21	3.6	3.8	4.3	3.9	1.0
	22	22 17	2.9 3.2	4.0 4.5	11.8 5.8	6.6 5.4	4.7 2.9	16 17	3.8	3.8 4.0	4.1 4.3	4.4 4.3	4.5 1.4
	24	22	3.3	4.0	5.1	4.7	2.2	22	3.1	3.6	4.0	3.5	0.8
	25	11	3.3	3.8	5.7	5.6	3.6	14	3.3	3.6	4.0	3.6	1.0
쓩	26	16	3.0	5.0	11.8	7.3	5.5	11	3.7	3.9	4.5	4.2	1.1
Week	27 28	5 11	3.2	3.3 4.0	13.7 10.6	7.4 8.1	5.8 7.4	3 0	2.6	2.9	3.6	3.2	0.9
	29	7	3.6	5.1	15.1	9.8	7.2	13	3.5	4.1	4.3	10.0	14.8
	30	16	3.8	4.4	7.1	5.2	1.9	30	3.4	3.8	4.4	4.0	1.2
	31	10	2.6	3.9	5.1	3.9	1.4	15	3.6	3.9	4.7	4.1	1.1
	32	10 30	2.6	3.3	4.2 5.0	3.9 4.5	2.2	14 26	3.0	3.8 4.1	4.5 4.4	4.9 4.3	4.5 1.6
	33	30	3.8	4.3	5.0 5.9	4.5	3.0 1.7	18	3.8	4.1	4.4	6.4	10.0
	35	18	3.4	3.9	4.5	4.4	1.8	17	3.6	4.0	4.9	6.1	5.9
	36	16	3.2	4.0	5.2	4.4	1.8	22	3.8	4.4	4.9	4.5	1.3
	37	17	3.4	4.0	4.8	4.4	2.3	17	3.9	4.3	4.8	4.9	1.8
	38 39	21 28	3.0	4.3 4.0	5.5 5.4	5.1 4.7	4.5 2.6	15 19	3.9	4.6 3.9	4.9 4.2	5.1 4.2	2.7 1.5
	40	23	2.9	3.3	3.8	3.6	1.4	26	2.8	3.7	4.2	3.6	0.9
	41	15	2.3	2.7	3.6	2.8	1.0	8	3.2	4.2	4.5	3.9	8.0
	42	15	3.3	4.3	6.5	5.4	2.9	15	3.8	4.2	4.8	4.8	1.9
	43	16 26	3.2	3.9 4.2	5.4 6.3	4.7 5.1	2.4 1.9	22 26	3.8	4.0	4.3 5.1	4.1 4.3	0.6 1.1
	45	23	3.4	4.0	5.1	4.3	2.0	20	2.4	3.8	4.2	3.8	1.8
	46	20	3.3	3.8	4.1	4.1	2.1	24	2.1	2.9	3.7	3.0	1.0
	47	14	2.8	3.9	4.2	3.9	1.5	13	2.4	2.9	3.8	3.1	0.8
	48 49	31 10	3.4 2.6	3.8	4.5 4.0	3.8 6.8	0.9 10.6	8	2.4	2.5	2.7 4.7	2.5 3.8	1.9
	50	3	3.4	3.7	6.2	5.2	2.5	4	2.5	2.0	2.4	2.3	0.3
	51	1	2.4	2.4	2.4	2.4	0.0	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
Ш	53	0	-	-	-	-	-	0	-	-	-	-	-

L	30		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
و او	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	e		Std.
Time l	Time	ŝ	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	610	3.2	4.2	6.2	5.8	5.7	599	3.8	4.7	7.0	5.8	4.0
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	5	1.5	1.7	2.3	2.1	0.7	8	2.2	3.9	5.7	4.3	2.2
	Apr May	40 90	1.6 2.8	2.9 4.2	4.1 6.1	4.9 5.4	7.4 4.1	54 90	3.6 4.0	4.3 5.4	5.6 9.0	4.8 7.2	2.1 4.5
ŧ	Jun	71	3.3	4.3	6.3	5.8	5.0	61	3.7	5.2	7.2	6.0	3.4
Month	Jul	40	3.2	4.8	11.2	8.1	8.1	55	3.6	4.2	6.8	5.7	3.7
-	Aug	92	3.6	4.2	6.0	5.1	2.8	85	4.0	4.7	6.7	5.7	3.0
	Sep	82	3.2	3.8	5.6	6.4	8.8	80	4.1	5.3	7.5	6.8	6.6
	Oct	85	3.7	5.4	9.6	7.2	5.2	87	4.3	5.2	6.7	6.0	2.7
	Nov	93	3.6	4.2	5.0	5.0	3.4	73	2.4	3.7	4.5	4.1	2.3
	Dec	12	2.6	3.5	4.0	4.9	5.1	6	2.2	2.4	2.6	2.4	0.2
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-		-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0		-		<del>-</del>	-	0			<del>-</del>	-	-
	12	0	-	-	-	-	-	1	5.5	5.5	5.5	5.5	0.0
	13	4	1.5	1.6	1.8	1.8	0.3	5	2.0	2.3	6.2	4.2	2.7
	14	8	1.6	1.6	2.8	2.1	0.8	8	3.0	3.7	5.1	4.2	1.6
	15	5	1.7	3.6	9.5	9.1	10.5	9	3.5	3.7	4.3	4.0	1.4
	16	11	1.6	1.9	3.3	3.5	3.1	13	4.3	5.5	9.1	6.4	2.9
	17	11	2.5	3.0	3.7	3.2	1.3	19	3.7	4.1	4.6	4.2	1.2
	18 19	16 24	2.9	4.6 3.4	5.7 4.9	6.5 3.6	9.0 1.7	19 25	3.8 4.3	4.3 5.4	5.6 8.8	4.7 7.0	1.7 3.9
	20	15	2.7	4.0	10.8	7.4	6.9	17	3.8	4.8	11.2	8.5	6.2
	21	21	2.8	4.8	10.2	6.2	4.2	19	4.7	8.6	11.9	8.7	4.5
	22	20	3.8	5.1	6.7	5.7	2.9	17	4.2	5.4	8.8	6.5	3.1
	23	15	3.4	4.2	6.6	7.8	8.8	14	4.4	5.6	6.6	6.0	2.3
	24	23	3.3	4.6	6.4	5.4	3.0	23	3.0	5.1	6.5	5.3	2.5
	25	12	3.3	3.5	4.9	4.7	2.2	14	4.3	5.0	7.2	6.7	4.7
Week	26	15	3.2	4.3	4.7	4.6	2.4	7	4.0	5.3	8.5	6.7	3.3
ĕ∣	27 28	6 12	4.4 3.1	4.8 3.9	7.1	7.2 6.4	5.0 5.2	3 1	2.5 2.5	2.5	8.4 2.5	6.4 2.5	5.5 0.0
	29	9	4.1	5.7	20.3	9.8	7.8	15	3.0	4.0	6.2	6.1	4.9
	30	14	4.0	6.3	11.5	9.9	10.4	30	3.8	4.4	8.6	6.1	3.4
	31	11	2.3	3.2	3.9	3.2	1.2	14	3.2	4.0	4.5	3.9	1.2
	32	7	2.6	3.5	4.0	3.5	1.3	15	3.0	4.1	6.3	5.2	2.9
	33	30	3.8	6.3	8.7	6.5	3.6	26	4.3	4.8	7.0	6.0	2.8
	34	29	4.0	4.4	5.2	4.6	1.1	18	4.0	4.8	7.1	6.2	3.9
	35 36	19 16	3.4	3.9 4.7	5.5 6.8	4.9 12.6	3.1 17.6	18 20	3.9 5.4	5.1 6.3	6.9 8.1	5.7 7.8	2.5 5.2
	37	14	3.2	3.8	5.2	4.0	1.5	17	4.3	5.0	7.0	8.5	12.0
	38	15	3.2	3.5	4.1	4.4	3.3	16	4.5	5.0	6.1	5.3	1.8
	39	28	3.2	4.1	6.8	5.6	3.7	19	4.0	4.7	7.6	5.5	2.1
	40	23	3.4	4.0	5.0	4.4	1.8	27	4.0	4.5	5.7	5.4	2.8
	41	16	3.4	5.5	10.7	8.4	6.8	13	4.1	4.6	6.4	5.8	2.9
	42	14	4.2	4.9	6.8	6.6	3.8	14	4.4	5.1	5.7	5.1	1.8
	43	19	3.5	4.3	6.4	5.1	2.7	23	4.5	6.4	9.8	7.2	3.0
	44 45	26 22	5.2 3.5	8.7 3.9	11.9 4.3	9.6 3.9	5.7 1.0	26 21	4.4 3.7	5.3 4.3	7.6 5.5	6.3 5.0	3.0 2.5
	46	20	3.6	4.3	5.8	4.6	1.6	26	2.2	2.4	4.1	3.4	2.5
	47	16	4.5	5.0	5.5	7.0	5.7	12	2.6	2.8	3.9	3.2	0.9
	48	30	3.7	4.1	4.5	5.1	3.6	9	2.5	3.7	3.9	3.5	1.0
	49	10	2.5	3.3	3.9	3.2	0.8	2	2.3	2.4	2.5	2.4	0.2
	50	3	4.8	5.7	13.5	10.3	7.8	4	2.1	2.3	2.5	2.4	0.2
	51	1	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	52	0	-	-	-	-	-	0	-	-	-	-	-
	53	0	-	-	-	L -		0	-	-		-	

L	31		Dov	vnstrea	ım Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)			•		ate (ho	ur)
e U	e Pd.	ınt	Р	ercenti	le		Std.	ır	Р	ercentil	е		Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	634	2.3	2.9	6.5	5.0	4.3	637	3.3	4.8	7.7	6.0	3.6
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	- 0.4	- 0.7	-	- 47	-	0	-	-	-	- 4.7	-
	Mar Apr	6 47	2.4	3.7 2.4	6.2	4.7 4.8	3.0 4.0	9 65	2.9 3.4	4.0	5.8 6.8	4.7 5.4	2.1
	May	92	1.9	2.3	5.6	4.5	4.4	89	3.4	4.5	8.0	5.9	3.2
Month	Jun	71	2.3	4.7	7.6	5.7	4.2	72	3.4	4.8	7.9	5.8	2.9
Š	Jul	35	2.3	3.0	6.1	5.4	5.5	54	3.3	5.9	8.4	6.7	4.0
	Aug Sep	98 87	2.7	3.2 2.8	5.9 5.6	4.6 4.9	3.3 4.9	90 82	3.4	5.1 5.3	7.3 7.7	6.2 6.1	3.9
	Oct	86	2.3	2.8	6.6	4.9	3.7	88	3.8	6.1	9.7	7.4	4.5
	Nov	94	2.7	3.3	7.6	5.7	4.6	78	2.8	3.5	5.9	5.0	3.3
	Dec	18	2.0	2.7	3.4	4.4	4.1	10	2.7	2.8	3.0	3.1	8.0
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7 8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	0	-	-	-			0	-	-	-	-	
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	4	3.1	3.1	3.1	3.1	0.0	2	3.1	3.2	3.4	3.2	0.3
	13 14	7	3.7 1.9	5.6 2.2	7.7 6.9	5.8 5.1	3.1 4.8	5 9	2.7 3.2	5.8 4.0	7.3 5.0	5.3 4.3	2.5 1.5
	15	5	2.3	2.4	5.8	5.6	5.2	9	3.4	3.5	6.2	4.9	2.8
	16	9	2.0	2.4	5.3	4.3	3.4	16	3.4	4.2	5.9	4.9	2.0
	17	17	2.0	3.5	7.5	5.1	4.0	22	3.5	5.3	6.7	5.6	2.4
	18 19	21 25	2.0 1.8	2.3	4.3 3.0	3.7 3.6	2.8 3.2	21	3.7	4.8	10.6 6.6	6.9 4.8	4.3 1.9
	20	15	1.9	2.2	4.6	3.2	2.0	17	3.4	5.3	7.3	6.1	3.3
	21	21	2.0	2.3	5.3	5.7	6.1	19	4.0	5.3	8.4	6.3	3.2
	22	20	2.1	3.8	6.5	5.7	5.0	19	3.2	4.3	7.2	5.9	3.6
	23	18	2.5	4.8	6.2	5.1	3.1	16	3.4	5.0	7.8	6.1	3.4
	24 25	25 14	2.2	5.6 5.4	8.5 9.9	6.0 6.7	4.0 4.8	26 18	3.7 4.1	4.2	7.6 7.6	5.8 6.0	2.9
~	26	13	2.1	2.9	6.5	5.0	5.1	10	3.3	5.2	8.4	5.8	2.6
Week	27	1	7.0	7.0	7.0	7.0	0.0	2	3.1	3.1	3.2	3.1	0.1
Γ	28	1	18.4	18.4	18.4	18.4	0.0	0	-	-	-	-	-
	29 30	9 18	4.1 2.2	5.7 2.9	7.3 4.5	7.3 4.5	6.4 4.8	11 32	5.3 3.3	6.9 5.3	12.9 7.1	9.1 6.0	5.3 3.4
	31	12	2.4	3.0	5.0	4.6	3.7	15	3.8	7.1	8.0	6.5	2.7
1	32	11	2.3	2.8	3.2	3.1	1.1	18	3.1	4.0	5.4	5.3	4.0
1	33	26	2.9	3.4	7.0	5.2	3.2	22	4.3	6.3	7.9	7.0	3.9
1	34 35	30 24	2.7	3.1	5.0 5.5	4.6 4.2	3.8 2.7	20	3.1	4.9 4.8	6.9 10.2	6.1 6.4	4.6 3.5
1	36	20	2.8	5.5	8.4	7.1	6.4	24	3.8	4.3	6.0	5.7	3.6
1	37	15	3.0	4.5	8.4	7.0	6.2	17	4.8	6.4	8.5	6.7	2.5
1	38	16	2.1	2.3	4.3	2.9	1.2	16	3.5	5.7	9.4	6.8	3.8
1	39	27	2.1	2.5	3.0	3.1 5.8	2.0	18	4.0	6.0	6.9	5.9	2.8
1	40	26 10	2.3	3.4 2.9	7.1 7.4	5.8 5.0	5.2 3.6	24 12	3.2	3.9 7.4	6.1 11.9	4.7 8.5	1.8 5.0
1	42	15	2.4	3.1	5.3	4.6	3.2	19	5.5	7.8	11.7	8.8	4.2
1	43	21	2.3	4.3	7.7	5.4	3.6	22	4.2	5.0	8.1	6.1	2.9
1	44	28	2.4	2.7	6.5	4.4	2.9	30	3.8	6.3	9.8	8.1	5.4
1	45	23	2.7	5.1	6.6	5.0	3.1	23	3.4	5.1	8.0	5.9	3.0
1	46 47	23 18	2.5	2.8	5.8 6.8	4.5 5.1	2.7 4.0	26 14	2.7	2.9 3.6	4.1 5.0	4.2 4.6	3.3 2.8
1	48	27	2.6	4.1	11.7	7.5	6.4	8	3.0	3.3	4.8	4.3	1.9
1	49	10	2.8	3.2	5.9	5.6	4.8	3	2.8	2.9	4.1	3.6	1.2
1	50	4	2.2	2.4	4.0	3.8	2.8	6	2.7	2.8	3.0	2.9	0.2
1	51	3 1	1.7	1.7	2.0	1.9	0.3	1	- 27	- 27	- 27	- 27	- 0.0
1	52 53	0	1.5	1.5	1.5	1.5	0.0	0	2.7	2.7	2.7	2.7	0.0
<b>—</b>													

L	32		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
و ا	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time I	Time	Co	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	701	2.8	3.7	5.1	4.8	5.3	678	3.1	3.9	5.0	4.7	3.7
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb Mar	12	1.4	1.9	3.2	2.1	0.8	14	2.8	3.3	3.8	3.4	0.9
	Apr	58	1.9	3.2	4.6	4.1	4.5	73	3.3	4.1	5.4	5.0	3.3
	May	98	2.7	3.3	4.5	4.5	5.1	97	3.4	4.0	5.5	4.8	2.5
Month	Jun	70	2.9	3.5	4.9	5.2	7.4	66	3.4	3.8	5.0	5.7	8.5
ž	Jul	53	3.2	4.2	7.3	7.6	9.3	66	3.2	3.8	4.7	4.4	3.0
	Aug Sep	102 90	3.1 2.3	3.7 3.2	4.7 4.1	4.0	1.7 7.0	95 82	3.5	4.3	5.8 4.6	5.1 4.4	3.1 2.0
	Oct	91	3.3	4.1	6.1	5.0	3.2	90	3.6	4.3	6.1	5.3	3.1
	Nov	103	3.5	4.2	5.7	5.0	2.8	80	2.1	3.3	4.0	3.3	1.2
	Dec	24	2.9	4.1	7.7	5.7	3.8	15	2.0	2.2	2.9	3.6	3.3
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	2.1	2.1	2.1	2.1	0.0	2	2.6	3.0	3.4	3.0	0.8
	13	9	1.3	1.5	3.2	2.1	0.9	10	3.2	3.4	4.1	3.6	1.0
	14 15	10 6	1.6 2.8	3.1 3.4	5.9 5.1	6.6 4.5	9.3	10 12	2.5	3.6 4.5	4.7 11.1	4.0 7.4	1.8 6.3
	16	13	1.5	2.6	4.6	3.1	1.6	17	3.3	4.2	5.4	4.5	1.8
	17	19	2.1	2.9	3.6	3.5	2.4	23	3.4	4.0	4.5	4.2	1.9
	18	23	2.7	3.3	4.8	4.2	2.3	24	3.8	4.5	5.9	5.0	2.0
	19	28	2.1	3.2	4.0	3.2	1.2	29	3.8	4.0	5.6	4.8	2.1
	20	16 24	2.8 3.0	3.3 3.4	4.2	3.7 5.9	2.2 6.6	18 20	3.3 2.6	3.9	4.9 4.7	4.4	1.9 2.4
	22	19	2.9	3.3	4.2	5.2	7.9	19	2.9	4.8	5.7	5.4	3.6
	23	17	3.2	3.6	5.4	6.2	7.0	17	3.7	4.3	5.4	7.8	12.1
	24	24	3.2	4.2	6.0	4.4	2.1	22	2.9	3.7	4.7	4.0	1.3
	25 26	16 12	2.7 3.0	3.4	3.8	6.6 3.5	13.2 1.0	18 8	3.2	3.7	4.1 8.0	3.9 10.6	1.3
Week	27	1	2.8	2.8	2.8	2.8	0.0	1	2.3	2.3	2.3	2.3	0.0
≥	28	3	36.7	42.4	43.2	39.1	5.8	0	-	-	-	-	-
	29	17	3.8	5.2	8.8	8.3	7.4	14	3.1	3.9	4.7	4.6	3.3
	30	22	3.4	3.9	6.9	4.9	2.8	37	3.2	3.7	4.7	4.1	1.4
	31 32	17 13	1.8 2.3	2.9 3.2	4.5 3.6	3.1	1.4 0.7	20	3.0 2.6	4.0 3.8	4.5 4.3	4.6 4.2	4.4 2.6
	33	25	2.9	3.6	4.7	3.8	1.5	22	3.7	4.3	5.6	5.0	2.0
	34	31	3.6	4.6	5.3	4.6	1.6	19	4.1	4.8	7.2	6.7	5.0
	35	25	3.1	3.8	4.1	4.0	2.0	22	3.7	4.2	7.0	5.1	2.0
	36	20	3.0	3.5	4.3	4.0	1.9	24	3.8	4.3	6.3	5.0	2.2
	37 38	17 16	2.8	3.5 3.2	5.2 5.4	7.8 3.7	15.0 1.8	18 14	3.5 3.1	3.8 4.2	4.3 4.5	4.2 4.1	1.5 1.6
	39	29	2.0	3.1	3.6	3.3	2.0	19	3.6	4.2	5.0	4.9	2.7
	40	25	2.7	3.8	5.2	4.9	3.8	25	2.4	3.4	4.0	3.8	2.1
	41	11	1.7	4.1	6.2	4.1	2.2	15	3.5	4.4	5.2	4.4	1.3
	42	16	3.2	4.1	5.1	4.7	3.1	19	3.4	3.9	6.3	5.0	2.7
	43 44	24 27	4.0 3.2	5.3 3.6	7.8 4.1	6.2 3.7	3.3 1.5	19 30	3.8	4.3	8.1 6.0	6.7 5.2	4.4 2.7
	45	24	3.2	3.6	4.1	4.2	2.3	21	2.9	3.5	4.1	3.6	1.1
	46	24	3.5	3.8	5.3	4.2	1.5	28	2.0	2.3	3.2	2.7	1.0
	47	20	4.8	5.5	7.4	6.3	3.6	17	2.3	3.8	4.2	3.4	0.9
	48	32	3.7	4.4	6.1	5.6	3.1	9	2.1	3.3	4.2	3.5	1.3
	49	14	4.4	7.4	9.7	7.6	3.7	7	2.2	2.3	3.5	4.3	4.2
	50	6 4	2.9	3.1	3.6	3.3	1.2	6	1.9	1.9	2.0	2.1	0.4
	51 52	1	1.7	2.3 1.2	3.9 1.2	3.3 1.2	0.0	1	2.8 8.7	2.8 8.7	2.8 8.7	2.8 8.7	0.0
	53	0	-	-	-	-	-	0	-	-	-	-	-

ᆫ	33		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ur)
Je L	ле Р	Count	Р	ercenti	le	1	Std.	Count	P	ercentil	e		Std.
Time	Time	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev
Υ	2014	712	1.3	1.5	1.7	1.7	1.1	687	1.8	2.1	2.4	2.4	1.4
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	- 4.7	-	-	-	-
	Mar	12 59	1.2	1.4	1.5 1.4	1.4 1.4	0.3	13 72	1.7	1.8 2.0	2.1	2.6	1.9 1.2
	Apr May	98	1.2	1.3	1.4	1.4	0.4	100	1.7	2.0	2.2	2.2	1.5
th.	Jun	74	1.3	1.4	1.5	1.5	0.7	75	1.9	2.1	2.3	2.3	1.4
Month	Jul	54	1.3	1.5	1.6	1.8	1.6	66	1.8	2.0	2.3	2.7	2.4
	Aug	101	1.6	1.7	1.9	1.8	0.9	93	2.0	2.3	2.5	2.6	1.4
	Sep	88	1.3	1.5	1.7	1.6	0.9	78	2.0	2.3	2.6	2.5	0.9
	Oct	94	1.4	1.6 1.7	1.7	1.6	0.7	94	2.0	2.3	2.8	2.6	1.2
	Nov Dec	106 26	1.5	1.7	1.8	2.1 1.6	2.1 0.3	80 16	1.6 1.6	1.8 1.7	2.3 1.8	2.1 1.7	1.2 0.2
	1	0	-	-	-	-	-	0	-	-	-	-	- 0.2
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	<u> </u>	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	<u> </u>			<del>                                     </del>	<u> </u>	0	-	<del>-</del>		-	<del>-</del>
	10	0		-			-	0	-	-	-	-	
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	1.5	1.5	1.5	1.5	0.0	1	1.7	1.7	1.7	1.7	0.0
	13	8	1.2	1.2	1.4	1.3	0.2	10	1.7	1.9	2.2	2.8	2.1
	14	11	1.2	1.3	1.6	1.4	0.3	11	1.7	1.7	1.9	1.8	0.3
	15	6	1.3	1.4	1.6	1.4	0.2	10	2.2	2.2	2.5	2.7	1.5
	16 17	14 19	1.2	1.3	1.5	1.3	0.2	17 24	1.7	1.8 2.0	2.3	2.3	1.2 0.5
	18	21	1.3	1.3	1.4	1.4	0.1	23	1.7	2.0	2.3	2.4	1.5
	19	30	1.2	1.3	1.4	1.3	0.2	29	1.9	2.2	2.4	2.6	1.6
	20	16	1.2	1.3	1.4	1.3	0.1	20	1.7	1.9	2.1	1.9	0.3
	21	23	1.3	1.3	1.5	1.6	1.0	20	1.6	1.9	2.1	2.4	2.5
	22	20	1.3	1.3	1.4	1.3	0.3	20	1.7	2.1	2.5	2.1	0.5
	23	19	1.3	1.4	1.5	1.4	0.2	18	1.6	2.0	2.4	2.7	2.7
	24 25	24 18	1.3	1.4 1.4	1.5	1.4	0.2	24	2.0 1.9	2.1	2.3	2.2	0.5
	26	12	1.2	1.3	1.4	2.0	1.7	13	1.9	2.2	2.3	2.3	0.6
Week	27	1	1.3	1.3	1.3	1.3	0.0	0	-	-	-	-	-
≥	28	0		-		-	-	0	-	-	-	-	-
	29	21	1.3	1.3	1.4	1.6	1.0	15	1.8	2.0	5.1	4.4	4.3
	30	21	1.4	1.5	1.7	2.0	2.3	37	1.7	1.8	2.1	2.0	0.4
	31	17	1.4	1.6	1.8	1.6	0.3	18	2.0	2.2	2.6	2.6	1.2
	32	13 26	1.5 1.6	1.7 1.7	1.9 2.0	2.4 1.8	0.3	21	1.9 2.1	2.3	2.5 2.8	2.7	1.7 0.6
	34	30	1.6	1.7	1.9	1.8	0.3	19	1.8	2.3	3.0	2.6	1.0
	35	25	1.5	1.7	1.8	1.7	0.3	20	2.0	2.2	2.4	2.6	1.5
	36	19	1.3	1.5	1.9	1.7	0.7	22	2.0	2.3	2.9	2.9	1.5
	37	16	1.4	1.7	1.7	1.8	0.7	18	1.9	2.2	2.4	2.5	1.1
	38	15	1.2	1.3	1.6	1.9	1.9	13	1.9	2.2	2.4	2.3	0.9
	39	30	1.3	1.4	1.6	1.4	0.3	21	2.1	2.3	2.6	2.5	0.7
	40	26 10	1.4	1.6 1.6	1.7 2.0	1.6 1.6	0.3	24 16	1.8 2.0	2.2	2.5 2.5	2.2	0.6
	42	18	1.4	1.6	1.8	1.9	1.4	18	2.0	2.7	3.3	2.9	1.2
	43	25	1.4	1.5	1.7	1.6	0.2	21	2.0	2.3	2.8	2.8	1.7
	44	27	1.5	1.7	1.7	1.6	0.3	30	2.0	2.2	2.6	2.5	0.9
	45	24	1.5	1.7	1.9	1.9	1.2	21	1.9	2.1	2.5	2.3	0.6
	46	26	1.4	1.6	1.9	1.7	0.5	28	1.7	1.8	2.1	2.1	1.1
	47	19	1.6	1.8	2.0	3.3	4.3	17	1.5	1.7	1.8	1.7	0.4
	48	30	1.4	1.6	1.8	1.6	0.3	10	1.6	2.0	2.3	2.7	2.5
	49 50	19 7	1.6 1.5	1.7	1.8 1.9	2.0 1.7	1.7	7	1.7	1.8	1.8 1.7	1.8	0.1
	51	4	1.3	1.7	1.9	1.7	0.3	1	1.7 1.5	1.7 1.5	1.7	1.7 1.5	0.1
	52	1	1.0	1.0	1.0	1.0	0.0	1	1.6	1.6	1.6	1.6	0.0
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	34		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ē	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time l	Time	ŝ	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	710	2.8	3.6	4.8	4.6	4.6	680	3.1	3.8	4.8	4.4	3.4
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	12	1.3	1.9	3.2	2.3	1.0	13	2.0	2.9	3.3	3.3	1.6
	Apr May	58 100	1.8 2.8	3.0	3.8 4.2	3.1	1.6 2.4	70 102	3.3	3.8	4.2 5.0	3.8 4.5	1.2 2.5
ŧ	Jun	72	3.0	3.5	5.7	4.9	4.1	73	3.2	3.7	4.1	5.1	4.4
Month	Jul	53	3.5	5.7	12.2	9.5	9.5	58	3.3	4.1	6.0	5.3	3.4
-	Aug	100	3.3	3.7	4.8	4.2	2.4	92	3.3	4.0	5.3	5.2	6.3
	Sep	87	2.2	3.2	4.2	3.5	1.7	80	2.9	3.9	4.9	4.1	1.5
	Oct	95	3.2	3.9	5.2	4.9	4.4	96	3.5	4.2	5.7	4.7	2.1
	Nov	107	3.2	3.8	5.0	5.2	6.3	80	2.0	2.9	3.9	3.5	2.8
	Dec	26	3.0	3.8	4.2	3.7	1.2	16	1.9	2.0	2.3	2.3	0.5
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	•
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0		-	-	-	-	0			-		
	12	1	1.9	1.9	1.9	1.9	0.0	1	1.9	1.9	1.9	1.9	0.0
	13	8	1.3	1.4	2.1	1.8	0.7	11	2.4	3.0	3.6	3.4	1.7
	14	11	1.5	3.1	3.9	3.1	1.6	10	2.8	3.3	3.4	3.0	0.6
	15	5	2.8	3.1	5.8	3.9	2.0	10	3.8	3.8	4.2	4.0	0.8
	16	14	1.5	1.8	3.5	2.6	1.4	16	3.2	4.0	4.7	4.1	1.3
	17	19	2.0	2.8	3.9	3.0	1.2	23	3.4	3.6	4.0	3.5	0.9
	18 19	21 30	2.8	3.2	3.8 4.1	3.7 4.1	1.8 3.0	24 29	3.6	4.2 3.8	5.3 4.7	4.3	1.4
	20	16	2.0	3.0	3.8	3.7	3.2	19	3.3	3.7	4.0	3.9	1.2
	21	24	2.9	3.9	5.0	3.9	1.7	19	3.6	3.9	6.1	4.9	2.4
	22	21	3.2	3.3	3.8	3.8	1.2	23	3.5	4.4	5.6	5.4	4.3
	23	19	3.2	5.3	6.7	5.1	2.0	17	3.3	3.8	4.1	4.2	1.9
	24	24	3.0	3.4	3.9	3.6	1.5	24	3.0	3.6	3.8	3.6	1.3
	25	17	2.8	3.5	4.5	3.7	1.8	19	3.2	3.7	4.1	3.9	1.3
Week	26	12	3.1	4.4	12.8	8.9	7.8	13	3.8	10.0	17.0	10.8	7.6
ĕ∣	27 28	0	-	-	-	-	-	0	-	-	-	-	-
	29	22	3.5	5.4	13.8	12.3	13.0	8	3.1	4.1	6.7	5.9	3.8
	30	20	3.7	5.9	11.7	7.4	4.4	38	3.7	4.1	6.0	5.1	2.7
	31	15	2.3	4.3	10.0	6.7	5.8	15	2.6	3.8	5.1	5.2	4.3
	32	15	2.6	3.3	3.6	3.2	1.0	20	3.3	3.8	4.5	6.4	11.6
	33	25	3.2	3.8	4.5	3.8	1.3	23	4.0	4.3	5.4	4.6	1.1
	34	30	3.6	4.0	5.3	5.0	2.3	19	3.2	3.7	4.1	4.1	1.8
	35 36	24	2.8 3.1	3.7 3.6	4.3	4.4 4.1	3.5 2.0	21 25	3.4	4.5 4.4	5.9 5.6	5.9 4.6	6.1 1.6
	37	17	2.7	3.5	5.1	3.9	1.7	20	3.5	4.4	4.9	4.0	1.0
	38	14	2.0	3.3	4.0	3.2	1.2	11	2.2	2.7	5.0	3.9	2.1
	39	29	2.1	3.0	3.4	2.9	1.1	20	3.5	3.9	4.4	3.8	0.8
	40	26	2.1	3.5	4.4	3.7	1.9	23	2.8	3.7	4.5	4.1	1.9
	41	9	2.0	2.8	3.8	2.8	0.9	16	3.6	4.0	4.5	4.0	1.2
	42	18	3.4	4.8	6.2	5.2	2.9	21	3.4	4.4	6.6	5.0	2.4
	43	27	3.6	4.2	4.8	5.5	5.8	21	3.5	4.0	5.3	4.6	2.1
	44 45	26 25	3.2	4.0 3.8	5.5 4.8	5.5 7.1	4.8 11.9	29 20	3.4 2.7	4.4 3.8	6.5 4.1	5.1 3.7	2.2 1.3
	45	25 26	3.4	4.2	5.2	4.7	2.1	28	2.7	2.5	3.7	2.9	1.0
	47	19	3.2	4.2	6.3	4.7	2.3	17	1.8	2.1	3.9	4.1	5.2
	48	29	3.2	3.5	4.1	4.2	2.9	11	2.3	2.7	4.0	3.6	2.5
	49	21	3.8	3.9	5.3	4.4	1.7	7	2.0	2.0	2.5	2.3	0.6
	50	7	2.9	3.1	3.7	3.3	1.1	7	1.9	2.1	2.2	2.1	0.3
	51	3	3.1	3.2	4.7	4.2	1.5	1	3.3	3.3	3.3	3.3	0.0
	52	1	1.2	1.2	1.2	1.2	0.0	1	1.8	1.8	1.8	1.8	0.0
	53	0	-	_				0	-	-	_	-	-

L	35		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
<u>و</u>	e P	T T	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Lime	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	698	2.2	2.5	3.3	3.7	3.2	679	3.3	3.8	4.5	4.4	2.2
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	11	2.0	2.4	3.0	2.5	0.6	15	3.2	3.8	5.4	5.3	4.0
	Apr	57	2.0	2.3	2.5	3.1	2.2	72	3.3	3.8	4.5	4.4	1.9
₽	May Jun	101 69	1.9 2.1	2.2	2.7	3.4 4.0	3.1	97 78	3.6	3.9	4.6 4.6	4.3	1.6 3.3
Month	Jul	50	2.1	2.4	3.0	3.4	3.0	51	3.5	3.8	4.5	4.6	2.3
-	Aug	100	2.6	2.9	3.3	3.8	3.2	91	3.6	4.1	5.0	4.4	1.2
	Sep	83	2.2	2.5	2.9	3.0	1.7	75	3.4	3.9	4.5	4.3	2.4
	Oct	91	2.3	2.8	3.9	3.9	2.8	100	3.5	4.0	4.5	4.5	2.4
	Nov	109	2.4	2.9	4.5	4.7	4.2	83	2.9	3.4	4.3	3.8	1.6
_	Dec	27	2.3	2.5	6.0	4.8	4.0	17	3.0	3.3	3.8	3.8	1.6
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	-
	4	0	-	-	-	-	-	0	-	_	-	-	-
	5	0	-	-			-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10 11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	2.1	2.1	2.1	2.1	0.0	3	3.2	3.2	3.5	3.4	0.3
	13	7	1.9	2.1	2.9	2.4	0.6	11	3.5	4.8	5.9	6.1	4.5
	14	11	2.0	3.0	6.8	4.1	2.5	12	3.4	3.6	4.3	4.0	1.3
	15	5	2.3	2.4	2.7	2.7	0.7	10	3.3	3.5	4.4	3.9	0.8
	16	14	2.0	2.3	2.4	2.9	2.3	15	3.5	4.0	4.5	5.0	3.0
	17	19	2.0	2.1	2.4	3.1	2.3	23	3.3	4.0	4.7	4.4	1.6
	18 19	21 29	2.0	2.2	2.8	3.3	2.7 1.8	24 27	3.4	3.9	4.7	4.5 4.3	1.8
	20	15	1.9	2.1	2.8	2.9	3.2	18	3.6	3.9 4.0	5.1 4.3	4.4	2.4
	21	25	1.9	2.2	3.1	4.0	4.1	21	3.3	3.9	4.8	4.3	1.2
	22	22	2.1	2.2	2.3	3.1	2.8	20	3.6	3.9	4.3	4.0	1.1
	23	15	2.2	2.3	7.8	4.9	3.7	16	3.4	3.6	4.0	4.1	1.4
	24	25	2.1	2.3	2.7	3.6	2.9	22	3.4	4.1	4.7	4.6	1.8
	25	17	2.1	2.3	2.3	3.3	2.7	20	3.4	3.7	4.4	4.1	1.4
Week	26	12	1.8	2.1	3.2	4.5	5.1	16	3.6	3.9	4.8	5.0	4.0
<b>%</b>	27 28	0	4.2	4.2	4.2	4.2	0.0	4 0	3.9	4.5	10.2	9.6	9.4
	29	20	2.0	2.1	2.2	2.2	0.5	6	3.0	3.5	4.0	3.6	0.6
	30	17	2.3	2.7	3.1	3.8	3.3	33	3.5	3.7	4.3	4.6	2.4
	31	16	2.6	2.9	7.0	5.1	3.9	16	3.6	4.3	5.3	4.9	2.1
	32	15	2.4	2.7	3.1	5.4	6.5	17	3.2	4.0	4.3	4.2	1.6
	33	22	2.5	2.9	3.1	2.9	0.5	24	3.6	4.2	5.0	4.3	0.9
	34	30	2.7	3.0	3.3	3.7	2.0	15	3.8	4.4	5.5	4.5	1.2
	35 36	27	2.5	2.8	3.4	3.3	1.5 2.3	25 23	3.5	4.1	5.3 5.2	4.5 5.3	1.4 4.0
	37	12	2.2	2.6	3.0	3.0	1.3	16	3.5	4.4	4.4	4.0	0.6
	38	15	2.1	2.3	2.6	2.6	1.0	12	3.4	3.6	4.4	3.9	1.0
	39	26	2.2	2.4	2.6	2.7	1.6	20	3.2	3.8	4.2	3.9	0.8
	40	25	2.5	2.8	3.9	3.8	2.6	24	3.2	3.7	4.3	3.7	0.7
	41	6	2.3	3.0	6.6	4.3	2.9	15	3.4	3.7	4.4	4.8	3.3
	42	18	2.4	2.6	3.8	3.7	2.8	24	3.6	4.0	4.6	5.0	3.7
	43	26	2.3	2.8	4.1	4.1	2.8	22	3.5	3.9	4.7	4.5	1.8
	44 45	27 26	2.3	2.7 3.3	4.8 7.4	4.2 6.4	3.1 6.3	31 20	3.5	4.0 3.8	4.5 4.4	4.0	0.7
	46	26	2.9	2.7	4.5	4.5	3.4	29	2.8	3.2	4.4	3.4	0.7
	47	20	2.5	2.7	3.2	3.8	2.8	16	2.9	3.5	4.7	4.8	3.1
	48	27	2.2	2.5	3.2	3.8	3.2	12	2.9	3.2	3.9	3.5	0.8
	49	23	2.8	3.8	6.8	5.4	3.9	8	3.0	3.3	3.9	3.5	0.6
	50	7	2.3	2.5	3.2	3.8	3.0	7	2.9	3.3	3.6	3.4	0.5
	51	4	1.9	2.1	2.4	2.1	0.3	1	9.6	9.6	9.6	9.6	0.0
	52	1	1.7	1.7	1.7	1.7	0.0	1	3.0	3.0	3.0	3.0	0.0
	53	0	-	-	-	-	-	0	-	-	-	-	-

L	36		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ē	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time l	Time	ŝ	25th	50th	75th	Avg.	Dev.	ဝိ	25th	50th	75th	Avg.	Dev.
Υ	2014	651	3.1	4.0	6.6	6.1	6.7	623	3.4	4.3	6.1	5.3	4.6
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	13	2.3	3.4	3.7	4.3	3.9	15	3.0	3.8	4.4	3.8	1.0
	Apr May	59 103	2.0	3.1 3.5	4.6 5.0	4.0	3.0 6.2	79 98	3.5	4.1 4.6	5.3 6.1	4.8 5.2	2.3 3.1
£	Jun	60	3.3	5.0	9.1	7.6	7.8	61	3.7	4.6	6.5	5.6	3.2
Month	Jul	23	3.8	6.9	14.1	11.3	11.7	34	4.3	5.3	7.0	8.1	10.5
-	Aug	73	3.6	4.8	7.3	8.2	10.2	56	4.1	4.9	6.3	6.6	8.7
	Sep	81	2.7	3.3	4.1	4.3	5.7	73	3.0	3.8	5.5	4.4	2.1
	Oct	94	3.5	4.2	5.9	5.8	4.5	103	3.8	5.1	7.4	6.1	3.5
	Nov	114	3.5	4.4	7.7	6.2	4.5	86	2.4	3.3	4.9	4.0	2.4
	Dec	31	5.3	8.6	11.3	9.2	5.9	18	2.2	2.7	4.0	4.4	3.6
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-		-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	1.8	1.8	1.8	1.8	0.0	3	2.7	3.1	3.5	3.1	0.6
	13	9	2.5	3.4	5.6	5.0	4.4	11	3.3	3.8	4.4	3.9	1.0
	14	10	1.8	3.2	3.7	3.1	1.6	12	3.1	3.7	5.2	4.6	2.2
	15	7	2.3	3.1	4.4	3.9	2.6	13	4.0	4.4	6.6	5.5	2.7
	16	15	2.1	3.3	4.2	3.8	2.1	16	3.7	4.2	5.0	4.4	1.3
	17	21	2.0	3.0	4.6	3.5	2.2	23	3.5	3.8	4.4	4.3	2.0
	18 19	20 28	2.8	3.5 3.2	6.0 5.3	5.3 4.4	3.9 3.1	24 29	3.6	5.0 4.7	7.0 6.2	5.4 5.1	2.2
	20	18	2.3	3.5	4.6	7.0	13.7	20	3.9	4.3	6.5	6.0	5.7
	21	24	3.5	3.7	4.6	4.4	1.7	20	4.0	5.2	6.6	5.1	1.9
	22	22	3.1	3.6	4.9	4.5	2.6	21	4.0	4.3	5.6	4.7	1.6
	23	8	4.1	6.6	11.8	9.2	7.0	9	4.3	4.8	5.6	5.1	1.4
	24	17	3.3	4.9	8.9	9.6	12.3	13	4.2	6.3	9.6	8.1	5.4
	25	19	3.5	4.3	6.4	5.3	2.5	17	3.7	4.3	5.9	4.8	1.6
Week	26	15 1	3.3	5.3	10.0	7.3	5.1	16	3.6	4.4	5.9	4.8	1.8
ĕ∣	27 28	0	6.8	6.8	6.8	6.8	0.0	6 0	3.7	5.0	6.5	5.5	2.8
	29	10	3.5	6.0	10.8	7.2	4.4	4	5.1	5.7	20.4	19.8	25.7
	30	7	3.8	5.5	12.8	11.2	11.9	26	4.2	4.8	6.3	5.8	3.0
	31	7	7.4	21.8	23.4	19.2	15.0	7	4.7	8.3	11.2	9.3	5.6
	32	10	2.9	3.4	5.8	4.7	2.6	7	4.0	5.6	7.1	5.7	2.3
	33	8	3.6	4.8	7.4	7.8	6.9	6	4.9	6.5	9.9	16.7	22.9
	34	22	3.9	4.7	10.2	10.1	12.9	8	2.6	4.5	5.8	5.9	5.1
	35 36	29 22	3.9	5.3 4.0	7.0 5.6	5.6 7.3	2.8 11.4	26 21	4.1 3.9	4.5 4.9	5.6 6.2	4.9 5.3	1.6 2.2
	37	12	3.3	3.6	4.0	7.5	13.0	17	3.5	5.0	5.8	4.8	1.7
	38	16	2.0	2.6	3.6	2.9	1.3	12	2.3	3.1	3.6	3.0	0.8
	39	26	2.5	3.2	3.9	3.2	1.0	19	3.3	3.6	4.3	3.9	1.3
	40	24	3.3	3.8	4.5	4.6	3.5	25	3.0	5.1	7.2	5.9	3.5
	41	9	1.8	3.4	5.9	5.2	4.3	14	3.2	4.2	4.9	4.5	2.1
	42	17	3.8	4.4	10.0	7.8	6.4	25	3.9	5.4	6.9	5.8	3.4
	43	28	3.6	4.3	5.2	5.2	3.4	24	4.0	5.5	8.0	7.0	4.0
	44 45	29 26	3.9	4.9 3.9	7.6 5.9	6.4 4.9	4.4 2.2	30 20	3.3	4.5 5.1	7.3 6.1	5.6 5.0	3.3
	46	24	2.8	3.5	4.9	4.9	2.2	29	3.3 2.3	2.9	3.9	3.1	2.0 1.1
	47	22	3.9	6.9	11.5	8.4	5.4	19	2.3	3.1	4.6	4.7	3.7
	48	29	3.8	4.3	5.8	6.3	5.6	12	2.6	3.2	3.9	3.9	2.0
	49	26	6.5	9.0	12.4	10.4	5.4	9	3.3	5.3	10.4	6.8	4.1
	50	7	3.9	8.0	9.0	6.7	3.3	7	2.1	2.2	2.4	2.4	0.4
	51	5	1.7	4.5	10.7	7.6	6.9	2	2.4	2.7	3.0	2.7	0.6
	52	1	1.3	1.3	1.3	1.3	0.0	1	2.4	2.4	2.4	2.4	0.0
	53	0	-	-	-	-		0	-	-	-	-	_

L	37		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ᆰ	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	ŝ	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	607	4.8	5.6	7.1	7.0	5.0	611	6.2	7.2	8.7	8.5	5.6
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	16	4.8	5.8	6.8	6.6	2.3	17	5.4	6.8	7.9	7.4	2.7
	Apr May	53 100	4.5 4.5	5.3 4.8	7.6 5.7	6.7 6.0	3.4 4.0	77 94	6.0	6.9 7.2	8.2 8.3	8.0 7.8	6.0 2.2
₽	Jun	54	4.7	5.2	5.8	6.3	2.6	67	6.9	7.8	9.4	9.1	4.7
Month	Jul	23	5.0	6.2	10.2	8.1	5.1	38	6.7	7.6	10.2	9.6	4.8
	Aug	63	5.5	6.5	8.0	7.3	2.6	67	6.6	8.2	10.8	11.3	10.3
	Sep	72	4.4	5.5	6.6	6.7	5.7	62	6.4	7.8	8.9	8.8	6.5
	Oct	78	5.0	5.7	6.9	7.7	7.7	84	6.5	7.3	8.5	8.1	2.9
	Nov	112	5.1	6.2	7.7	7.4	4.0	86	5.3	6.2	7.6	7.0	2.8
_	Dec	36	5.1	5.8	9.0	8.2	8.1	19	5.3	6.2	6.9	8.6	9.3
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-		-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	•
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	4.7	4.7	4.7	4.7	0.0	3	5.5	5.7	6.6	6.2	1.0
	13	10	5.3	6.3	9.3	7.2	2.6	11	5.6	7.4	9.5	8.2	2.9
	14	13	4.7	6.4	8.7	8.1	4.5	16	5.7	6.5	8.0	7.0	1.9
	15	6	5.4	5.5	6.0	6.5	2.7	12	5.7	6.8	7.0	6.8	1.6
	16	12	4.4	5.3	5.9	5.5	1.5	14	6.9	7.1	8.6	11.0	12.7
	17	20	4.4	4.8	7.0	6.5	3.2	23	5.9	7.1	8.1	7.2	1.6
	18 19	19 26	4.8	5.4 5.0	6.3 5.8	6.2 6.7	2.5 6.8	26 25	6.4	7.0 7.2	8.9 7.9	8.2 7.4	3.3 1.3
	20	18	4.5	4.8	5.4	5.6	2.5	19	6.7	7.7	9.4	8.4	2.8
	21	25	4.4	4.7	5.4	5.8	2.6	19	6.5	7.2	8.0	7.4	1.4
	22	19	4.5	4.6	5.2	5.2	1.5	20	6.9	7.2	8.2	7.8	2.9
	23	10	5.5	7.4	10.3	8.1	3.2	13	7.3	7.8	12.7	9.9	3.8
	24	13	4.7	5.1	5.4	5.1	0.7	13	7.1	8.6	10.0	8.8	2.3
	25	17	4.8	5.2	5.4	5.7	2.0	16	6.7	7.3	8.9	8.2	2.9
Week	26	14 2	4.5	5.1	8.7	6.7	3.2	19	6.8	7.8	9.0	9.2	5.2
ĕ	27 28	0	10.6	10.9	11.2	10.9	0.7	6 0	6.3	6.6	7.1	10.4	9.3
	29	8	4.5	4.8	6.7	6.3	2.8	5	7.7	10.4	15.4	13.3	7.1
	30	6	5.1	5.4	6.6	7.0	3.3	27	6.5	7.3	8.6	8.1	2.3
	31	7	6.2	6.5	10.0	10.3	7.5	8	7.0	8.7	14.2	11.8	6.3
	32	9	5.5	5.8	8.0	7.1	2.3	13	10.0	12.2	16.3	15.3	11.6
	33	11	5.2	7.7	8.9	7.8	2.9	11	7.4	8.4	10.8	10.8	6.8
	34	17	5.7	6.2	8.4	7.7	3.0	11	6.6	7.7	12.8	13.0	13.1
	35 36	25 19	5.4 4.6	6.5 5.7	7.6 6.1	6.9 5.8	2.2	26 19	6.5 6.8	7.5 8.1	8.7 9.0	7.8 10.6	1.8 11.2
	37	12	5.8	6.4	8.9	10.8	11.8	14	6.3	8.1	8.7	7.8	1.5
	38	14	4.4	5.5	6.8	5.9	2.3	12	7.6	9.5	13.6	13.8	13.2
	39	22	4.1	4.6	5.6	5.7	3.1	12	6.6	7.5	8.9	7.8	1.8
	40	11	5.3	6.3	9.5	14.5	17.4	12	5.5	6.1	6.8	6.6	2.0
	41	12	5.2	5.7	6.5	5.6	1.6	12	6.4	6.8	8.8	7.5	1.6
	42	12	5.0	5.7	7.0	6.6	2.4	22	6.5	7.4	8.7	7.8	1.9
	43	27	4.8	5.5	6.8	7.0	3.8	23	6.5	7.3	9.0	9.1	4.1
	44 45	28 26	5.2 5.2	5.8 6.0	6.9 8.2	6.5 7.4	2.6 3.1	31 19	6.3 5.9	7.3 6.9	8.5 7.6	8.3 6.8	3.8 1.5
	46	24	5.0	6.4	7.1	7.4	5.0	26	5.9	6.0	6.9	6.3	1.5
	47	22	5.3	5.9	7.0	6.6	2.5	20	5.2	5.9	7.6	7.1	2.9
	48	29	5.2	6.0	7.2	7.8	5.1	12	5.5	6.2	7.2	6.4	1.1
	49	27	5.5	6.1	9.5	9.2	9.0	10	5.6	6.6	6.9	6.9	2.0
	50	8	5.3	7.4	9.9	8.0	3.3	7	5.2	5.8	6.1	5.7	0.7
	51	5	4.4	4.6	5.0	4.7	0.8	3	9.8	12.1	29.7	22.3	17.7
	52	1	3.6	3.6	3.6	3.6	0.0	1	5.1	5.1	5.1	5.1	0.0
	53	0	-	-		_		0	-	-	-	-	_

L	38		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je U	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	e		Std.
Time	Time	ŝ	25th	50th	75th	Avg.	Dev.	ဝိ	25th	50th	75th	Avg.	Dev.
Υ	2014	704	2.3	2.8	3.8	4.1	5.5	685	2.6	3.1	3.8	3.8	4.2
	Jan	0	-	-	-	-		0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	17	2.1	2.4	3.2	2.9	1.4	21	2.3	2.8	2.9	2.7	0.5
	Apr May	57 100	2.0	2.4	2.8 3.4	2.7 3.9	1.5 6.4	90	2.7	3.0	3.4	4.6 4.4	7.5 7.4
돧	Jun	78	2.3	2.6	3.1	3.0	1.3	83	2.6	2.9	3.5	3.2	0.9
Month	Jul	56	2.4	3.1	5.6	4.9	4.6	58	2.7	3.1	4.0	3.6	1.9
	Aug	93	2.6	3.2	4.3	4.4	7.0	94	2.6	3.0	3.8	3.5	2.1
	Sep	70	2.2	2.7	3.3	3.3	2.6	65	2.7	3.0	3.7	3.7	3.0
	Oct	82	2.5	3.1	4.3	5.2	9.4	89	2.9	3.3	4.4	4.3	3.6
	Nov	112	2.7	3.1	3.7	4.1	3.4	85	2.5	2.9	4.3	3.5	1.4
	Dec	39	2.8	4.3	8.2	6.7	5.9	20	2.4	2.9	4.7	3.5	1.4
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0		-		<del>-</del>	-	0			-	-	-
	12	1	1.9	1.9	1.9	1.9	0.0	5	2.3	2.8	2.8	2.7	0.4
	13	9	2.0	2.3	3.2	2.5	0.6	12	2.4	2.7	3.0	2.8	0.6
	14	16	1.8	2.4	2.8	2.7	1.5	16	2.8	2.9	3.2	3.1	0.8
	15	8	2.3	2.5	3.1	2.9	0.9	14	2.7	3.0	3.9	9.8	16.7
	16	13	2.0	2.5	2.8	3.2	2.5	13	3.0	3.2	3.4	3.3	0.6
	17	20	2.1	2.5	2.9	2.6	0.8	23	2.5	2.8	3.3	3.5	1.9
	18 19	19 24	2.3	2.4	3.3 2.9	3.1 2.7	1.6 1.3	26 26	2.8	3.2	3.7 3.6	3.5 3.2	1.1 0.7
	20	18	2.0	2.7	4.3	3.0	1.2	18	2.6	3.1	3.3	3.0	0.6
	21	26	2.3	2.6	3.2	5.9	11.5	19	2.4	3.1	3.6	7.1	15.1
	22	20	2.1	2.3	3.6	4.0	4.5	19	3.0	3.4	5.1	5.1	4.0
	23	20	2.3	2.7	3.5	3.2	1.6	19	2.5	2.7	3.4	3.0	0.8
	24	21	2.5	2.6	3.0	3.0	1.2	21	2.7	3.2	3.8	3.3	0.9
	25	19	2.4	2.6	3.0	2.9	1.1	19	2.6	3.0	3.5	3.3	1.1
Week	26	18 2	2.1	2.5	3.0	2.8	1.2	20 4	2.7	2.9	3.5	3.1	0.6
ĕ∣	27 28	0	2.4	2.5	2.7	2.5	0.4	0	2.6	2.8	2.9	2.7	0.4
	29	22	2.3	2.6	9.7	6.3	6.8	9	2.8	2.9	2.9	3.2	0.9
	30	16	2.9	3.3	4.9	4.0	1.5	38	2.6	3.1	4.0	3.8	2.3
	31	18	2.5	3.0	4.6	4.0	2.1	15	2.8	3.2	3.8	3.4	0.9
	32	16	2.8	3.2	3.5	7.5	16.0	19	2.5	2.8	3.4	3.0	0.6
	33	17	2.4	2.9	3.7	3.4	1.5	22	2.9	3.5	4.0	3.5	0.9
	34	32	2.7	3.3	4.3	3.6	1.2	17	2.6	2.9	3.3	4.1	4.5
	35 36	24 18	2.6	3.2 2.8	4.6 3.2	4.4 3.1	2.9 1.4	28 18	2.7	3.4	3.8	3.5 4.1	1.2 2.5
	37	14	2.5	3.0	3.7	3.4	1.4	17	2.6	2.9	3.7	3.0	0.5
	38	11	2.3	2.7	3.2	2.7	0.6	12	2.7	3.1	4.2	3.3	0.8
	39	24	2.1	2.3	3.0	3.5	3.8	13	2.7	3.0	3.6	3.3	0.7
	40	9	2.6	3.3	5.4	4.2	2.3	14	2.3	2.7	3.6	4.5	5.6
	41	14	2.4	3.0	3.8	3.6	2.0	12	2.9	3.0	3.7	5.9	8.0
	42	13	2.9	4.3	6.2	9.5	16.2	21	2.7	3.0	3.6	3.4	1.2
	43	29	2.6	3.1	4.1	3.7	2.2	24	3.0	3.4	4.4	4.7	3.1
	44 45	30 25	2.4	3.1	4.3 3.8	5.4 4.2	10.4 3.1	31 21	3.2 2.7	3.8	4.8 4.5	4.2 3.9	1.7
	46	25 26	2.7	3.0	4.1	4.2	3.1	27	2.7	3.3 2.9	3.8	3.9	1.3
	46	22	2.5	3.0	3.3	3.0	0.8	20	2.5	2.8	3.8	3.5	1.5
	48	25	2.5	3.0	3.7	4.8	5.1	11	2.3	2.5	2.8	2.9	1.0
	49	31	3.1	4.3	12.6	7.5	6.2	12	2.1	3.2	5.4	3.8	1.8
	50	8	2.7	3.6	5.2	4.3	2.1	6	2.6	2.9	4.2	3.4	1.1
	51	5	1.7	2.7	2.8	2.6	1.0	3	2.7	3.0	4.0	3.5	1.1
	52	1	1.8	1.8	1.8	1.8	0.0	1	2.4	2.4	2.4	2.4	0.0
	53	0	-	-	-			0	-	_		-	

L	39		Dov	vnstrea	ım Dire	ction			ı	Jpstrear	n Direct	ion	
Unit				vel Tim			ur)					ate (ho	ur)
e U	e Pd.	ınt		ercenti			Std.	ır		ercentil			Std.
Time I	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	692	1.4	1.6	1.8	2.1	2.0	666	2.1	2.3	2.7	2.6	1.3
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	- 0.7	0	-	- 0.4	-	- 0.4	-
	Mar Apr	16 57	1.4	1.6 1.5	1.8 1.6	1.9 1.7	0.7 1.8	20 81	2.0	2.1	2.6 2.5	2.4	0.6
	May	94	1.3	1.4	1.6	1.5	0.6	87	2.0	2.3	2.7	2.8	2.0
Month	Jun	76	1.4	1.5	1.7	1.8	0.9	75	2.1	2.3	2.7	2.5	0.7
ĕ	Jul	56	1.4	1.5	1.8	2.7	3.0	59	2.0	2.2	2.5	2.3	0.5
	Aug Sep	92 69	1.6 1.3	1.8 1.6	2.0 1.7	2.1 1.7	1.8 1.0	88 65	2.3	2.6	2.9 2.8	2.8 3.0	1.3 1.7
	Oct	74	1.5	1.7	1.9	2.0	1.2	82	2.1	2.3	2.7	2.7	1.5
	Nov	117	1.7	1.8	2.1	2.3	2.2	89	1.8	2.0	2.3	2.3	1.1
	Dec	41	1.6	1.8	2.3	3.6	4.1	20	1.8	1.9	2.2	2.3	1.7
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6 7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0		-	-		-	0	-				
	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	- 1 2	- 10	- 1 2	- 10	-	0	-	- 2 E	-	- 2.4	-
	12 13	8	1.3 1.4	1.3 1.5	1.3	1.3 1.7	0.0	13	2.3 1.9	2.5	2.5 3.0	2.4	0.2
	14	16	1.3	1.5	1.7	1.7	0.7	15	2.1	2.3	2.4	2.2	0.2
	15	9	1.5	1.5	1.6	1.5	0.2	15	2.2	2.4	3.0	2.6	0.7
	16	12	1.4	1.6	1.7	2.6	3.6	13	2.3	2.3	2.6	2.4	0.3
	17 18	20 18	1.3	1.5 1.5	1.6	1.4 1.5	0.2	24 25	2.0	2.3	2.6 2.5	2.3	0.5
	19	24	1.3	1.4	1.6	1.6	0.9	26	2.0	2.3	2.6	2.8	2.7
	20	17	1.3	1.3	1.4	1.3	0.1	19	2.0	2.3	2.8	2.7	1.2
	21	23	1.3	1.4	1.6	1.6	0.8	17	2.2	2.5	3.3	3.3	2.7
	22	19 20	1.4	1.5 1.5	1.7	1.6 1.7	0.3	17 17	1.9 2.2	2.4	2.7 3.1	2.4	0.6
	24	21	1.3	1.5	1.6	1.5	0.2	18	2.0	2.3	2.7	2.6	0.9
	25	16	1.5	1.5	2.2	2.3	1.5	19	2.1	2.3	2.5	2.4	0.6
쓩	26	19	1.3	1.4	1.7	1.7	0.7	18	2.1	2.2	2.9	2.5	0.7
Week	27 28	5 0	1.2	1.3	1.3	1.3	0.2	6 0	2.0	2.4	3.2	2.6	0.8
	29	22	1.3	1.5	7.7	4.2	4.2	10	2.1	2.2	2.4	2.2	0.2
	30	15	1.5	1.5	1.7	1.9	0.9	36	2.0	2.2	2.4	2.3	0.5
	31	17	1.6	1.7	1.8	1.8	0.6	13	2.1	2.3	2.6	2.4	0.4
	32	16 17	1.6 1.6	1.7 1.8	1.8 2.2	1.8 2.6	0.3 2.9	19 19	2.4	2.8	3.2 2.9	2.9	0.7
	34	31	1.7	1.8	2.1	2.2	1.9	16	2.2	2.5	2.8	3.3	2.7
	35	22	1.5	1.7	2.0	2.0	1.4	28	2.3	2.5	2.8	2.6	0.5
	36	19	1.5	1.7	1.8	1.7	0.3	18	2.6	2.8	3.6	3.2	0.8
	37 38	13 10	1.6 1.4	1.7 1.5	2.1 1.6	2.4 1.5	1.8 0.2	16 12	2.3	2.5 2.5	2.9 2.6	3.7 2.5	3.0 0.5
	39	25	1.3	1.5	1.6	1.6	0.7	14	2.2	2.5	2.8	2.8	1.0
	40	8	1.6	1.6	1.8	1.9	0.8	11	1.9	2.2	2.4	2.2	0.4
	41	11	1.7	1.8	1.9	2.1	1.2	7	2.1	2.3	2.4	2.2	0.1
	42 43	11 27	1.5 1.4	1.5 1.5	1.7	1.9 1.7	1.0 0.7	22	2.0	2.3	2.5 2.8	2.6 3.0	1.2 2.3
	44	31	1.6	1.8	2.1	2.2	1.4	31	2.2	2.4	3.2	2.8	0.9
	45	27	1.6	1.7	2.1	2.3	1.8	21	1.9	2.0	2.4	2.2	0.5
	46	25	1.7	1.8	2.2	2.2	1.0	27	1.7	2.1	2.2	2.4	1.4
	47 48	23 28	1.8 1.6	1.9 1.7	2.3 1.9	3.4 1.8	4.1 0.4	22 15	1.8 1.7	2.0	2.1	2.0	0.4 1.4
	49	30	1.8	2.0	2.9	4.1	4.3	11	1.8	1.8	2.0	2.6	2.2
	50	10	1.5	1.7	1.8	2.6	2.9	6	1.7	1.9	2.1	1.9	0.2
	51	5	1.4	1.7	1.7	1.5	0.3	4	1.9	2.0	2.2	2.0	0.1
	52	1	1.1	1.1	1.1	1.1	0.0	0	-	-	-	-	-
Щ	53	0	-		-			0	-	-		-	

L	40		Dov	vnstrea	m Dire	rtion			-	Instrear	n Direct	ion	
-				vel Tim			ur)				ne Estim		ır)
Unit	Pd.	Ħ		ercenti				¥		ercentil		(110)	
Time	Time	Count				_	Std.	Count					Std.
<u> </u>			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
ľ	2014 Jan	414 0	3.2	4.0	6.0	6.2	7.9	399	3.3	4.1	5.5 -	5.4	6.0
	Feb	0	-			-		0			-		-
	Mar	17	2.6	3.2	4.0	3.5	2.0	21	2.7	3.4	4.0	3.4	1.0
	Apr	54	2.3	3.2	5.2	4.7	4.2	79	3.5	3.9	4.7	5.5	7.3
	May	65	2.9	3.2	3.9	5.5	10.6	67	3.5	3.8	4.6	4.7	4.6
Month	Jun	18	3.7	4.8	8.2	11.7	16.7	11	4.5	5.7	5.7	5.5	1.9
₽	Jul	14	4.3	7.7	12.8	8.9	5.1	16	5.6	9.9	13.8	9.7	4.2
	Aug	27	4.0	5.0	9.5	9.4	12.9	30	3.7	5.0	7.3	5.7	2.9
	Sep	17	3.0	3.9	4.7	4.1	1.8	19	4.7	5.7	7.0	9.0	10.1
	Oct	46	3.6	5.0	6.4	5.7	3.8	48	3.9	4.8	5.7	5.4	3.0
	Nov Dec	115 41	3.5	4.2 4.8	5.6 12.5	5.4 9.0	4.7 8.4	89 19	2.3	3.7 2.3	4.7 3.5	4.6 5.2	6.9 7.2
H	1	0	-	-	-	-	-	0	-	-	-	-	1.2
	2	0	_	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0	-	-	-	-	-	0	-	-	-	-	-
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	1	3.3	3.3	3.3	3.3	0.0	5	2.8	3.4	3.8	3.3	0.7
	13	9	1.7	3.2	4.4	3.8	2.6	13	3.3	3.7	4.0	3.7	0.9
	14	13	2.6	3.0	4.5	5.3	5.4	15	2.6	3.5	3.6	3.2	0.8
	15	10	2.8	3.2	4.9	4.1	2.6	14	3.3	3.8	4.0	7.8	15.2
	16	11	1.6	3.6	4.5	4.9	5.6	16	3.9	4.4	6.8	7.1	6.5
	17	20	2.6	3.2	5.3	4.4	2.7	21	3.4	3.9	4.6	4.4	1.4
	18	18	3.2	3.4	4.0	3.9	1.8	24	3.7	4.1	5.1	4.8	1.7
	19	22	2.7	3.2	4.0	3.6	1.7	26	3.3	3.9	4.4	4.2	1.5
	20	20 6	2.9	3.2	4.0	6.8 2.5	12.8 0.7	18 11	3.3	3.8 4.6	4.0	3.7	0.7
	22	6	2.3 3.0	2.7 3.2	2.9 3.3	13.7	23.6	4	3.8	3.7	5.9 4.3	7.6 4.1	10.5 1.1
	23	3	6.8	8.7	17.0	13.0	8.9	3	5.7	5.8	6.5	6.2	0.7
	24	2	5.2	5.8	6.5	5.8	1.3	0	-	-	-	-	-
	25	5	4.1	4.5	5.3	5.1	1.8	2	4.9	5.1	5.4	5.1	0.5
ᇫ	26	8	3.3	4.2	15.2	16.8	23.1	6	4.1	4.8	5.6	5.2	2.5
Week	27	1	7.9	7.9	7.9	7.9	0.0	0	-	-	-	-	-
-	28	0	-	- 44.7	- 40.0	- 40.7	-	0	-	-	- 45.0	-	-
	29	6	8.3	11.7	12.8	10.7	4.2	5	5.8	14.6	15.2	11.0	4.9
	30	3 6	3.1 5.1	3.1 9.5	3.6 14.2	3.4 10.2	0.5 5.3	10 2	7.2 6.2	9.9 7.3	12.2 8.5	9.5 7.3	3.7 2.3
	32	2	4.2	5.2	6.2	5.2	2.0	4	4.0	4.7	5.4	4.6	1.4
	33	5	3.9	4.0	6.2	4.9	2.2	3	3.9	4.8	5.4	4.6	1.2
	34	10	4.0	4.6	9.1	7.6	5.8	5	4.9	5.5	9.9	7.8	4.6
	35	7	4.1	4.7	10.2	7.5	5.0	14	3.7	5.0	7.5	5.4	2.5
	36	2	19.8	36.6	53.4	36.6	33.6	4	4.2	5.7	7.1	5.6	1.7
	37	1	1.7	1.7	1.7	1.7	0.0	3	5.6	6.1	24.5	18.1	17.6
	38	2	2.9	3.3	3.8	3.3	0.9	4	4.4	5.7	6.9	5.7	2.5
	39 40	11 3	3.2	4.1	5.0 4.4	4.5	2.0	6 5	5.2	6.1	8.8 4.7	10.5	9.6 1.3
	41	1	3.6 5.4	3.8 5.4	5.4	4.1 5.4	0.6	0	4.3	4.7	4.7	4.6	1.3
	42	1	3.7	3.7	3.7	3.7	0.0	2	8.4	9.8	11.1	9.8	2.7
	43	20	2.7	4.0	8.3	6.0	5.2	20	4.0	4.8	5.6	5.5	3.4
	44	32	3.9	5.3	6.2	5.6	2.8	28	3.9	4.5	5.6	5.0	2.4
	45	27	3.4	3.8	5.7	5.2	3.5	21	2.7	3.8	4.3	3.6	1.1
	46	25	3.3	4.0	5.9	6.0	7.5	27	2.0	2.3	4.0	3.2	1.8
	47	21	3.6	4.4	5.1	5.2	2.8	23	2.8	4.2	4.8	4.0	1.5
	48	29	3.7	4.3	5.4	5.5	4.2	15	2.9	5.0	6.6	5.2	3.0
	49	27	4.2	6.0	18.3	11.6	9.2	10	2.0	6.1	12.1	14.1	19.6
	50	12	3.3	3.6	4.9	4.7	2.4	7	2.0	2.3	2.9	2.5	0.7
	51 52	5 1	1.6	3.0 1.3	4.3	3.1	1.5	0	2.1	2.2	2.3	2.2	0.1
	53	0	1.3	1.5	1.3	1.3	0.0	0	-	-	-	-	-
ш	00	J	<u> </u>					J				-	

Y 2014 386  Jan 0 Feb 0 Mar 18 Apr 69 May 61 Jun 2 Jun 2 Jul 1	Tra	vel Tim ercentil 50th 1.2 - 1.2 1.1	e Estim e 75th 1.4 -		Std. Dev.	Count	Tr	•	е	ate (hou	ır) Std.
Y 2014 386  Jan 0 Feb 0 Mar 18 Apr 69 May 61	25th 1.1 1.1 0.9 1.0 3.9	50th 1.2 - - 1.2 1.1	75th 1.4 -	1.4	Dev.	Count					Std.
Y 2014 386  Jan 0 Feb 0 Mar 18 Apr 69 May 61	25th 1.1 1.1 0.9 1.0 3.9	50th 1.2 - - 1.2 1.1	75th 1.4 -	1.4	Dev.	Cou					Sta.
Y 2014 386  Jan 0 Feb 0 Mar 18 Apr 69 May 61	1.1 - 1.1 0.9 1.0 3.9	1.2 - - 1.2 1.1	1.4 - -	1.4							Dev.
Jan 0 Feb 0 Mar 18 Apr 69 May 61	- 1.1 0.9 1.0 3.9	- 1.2 1.1	-		1.1	371	1.5	1.7	<b>75th</b> 2.2	<b>Avg.</b> 2.3	1.9
Mar 18 Apr 69 May 61	1.1 0.9 1.0 3.9	1.2			-	0	-	-	-	-	-
Apr 69 May 61	0.9 1.0 3.9	1.1	,	1	-	0	-	1	-	-	-
May 61	1.0 3.9		1.3	1.3	0.6	25	1.6	1.7	2.2	2.1	1.5
	3.9		1.2	1.3	1.1	94	1.5	1.7	2.0	2.0	1.1
Sun 2			1.1	1.2	0.7	63	1.5	1.7	1.9	2.1	1.7
<b>2</b> 001		6.3 7.3	8.6 7.3	6.3 7.3	4.8 0.0	1	3.1 11.7	4.3 11.7	5.5 11.7	4.3 11.7	0.0
Aug 8	1.6	2.0	2.2	3.2	3.5	3	3.4	3.7	6.8	5.6	3.1
Sep 0	-	-	-	-	-	1	1.8	1.8	1.8	1.8	0.0
Oct 44	1.2	1.2	1.3	1.3	0.6	48	1.8	2.1	3.6	3.4	2.9
Nov 139	1.2	1.3	1.5	1.5	0.9	114	1.5	1.7	2.2	2.1	1.2
Dec 44	1.2	1.3	1.4	1.4	0.6	20	1.5	1.7	1.9	2.3	2.5
1 0	-	-	-	-	-	0	-	-	-	-	-
3 0	-	-	-	-	-	0	-	-	-	-	-
4 0	-	-	-	-	-	0	-	-	-	-	-
5 0	-	-		-	-	0	-	-	-	-	-
6 0	-	-	-		-	0	-	-	-	-	-
7 0	-	-	-	-	-	0	-	-	-	-	-
8 0	-	-	-	-	-	0	-	-	-	-	-
9 0	-	-	-	-	-	0	-	-	-	-	-
10 0	-	-	-	-	-	0	-	-	-	-	-
12 1	1.0	1.0	1.0	1.0	0.0	5	1.8	2.2	2.7	2.3	0.5
13 9	1.1	1.2	1.3	1.2	0.2	14	1.6	1.6	2.1	2.3	1.9
14 16	0.9	1.1	1.4	1.3	0.7	16	1.4	1.6	1.8	1.7	0.4
15 13	1.1	1.2	1.3	2.1	2.2	20	1.4	1.6	2.6	1.9	0.9
16 15	0.9	1.2	1.2	1.1	0.2	22	1.6	1.8	2.0	2.3	1.6
17 24 18 21	1.0	1.0 1.1	1.1 1.2	1.0	0.1	25 25	1.6 1.6	1.7	2.1 1.9	2.1 1.8	1.0 0.4
19 21	1.0	1.1	1.1	1.0	0.1	27	1.2	1.7	1.9	1.9	1.2
20 22	0.9	1.0	1.1	1.3	0.9	19	1.5	1.7	1.8	1.7	0.4
21 6	1.0	1.5	2.9	1.9	1.1	9	1.5	1.7	2.7	3.1	3.6
22 0	-	-	-	-	-	0	-	-	-	-	-
23 0	-	-	-	-	-	0	-	-	-	-	-
24 0 25 2	3.9	- 6.0	- 0.6	- 6.3	4.8	0	-	-	-	-	-
26 0	3.9	6.3	8.6	6.3	4.0	2	3.1	4.3	5.5	4.3	2.4
27 0	-	-	-	-	-	0	-	-	-	-	-
<b>2</b> 8 0	-	-	-		-	0	-	-	-	-	
29 1	7.3	7.3	7.3	7.3	0.0	1	11.7	11.7	11.7	11.7	0.0
30 0	-	-	-	-	-	0	-	-	-	-	-
31 1	12.2	12.2	12.2	12.2	0.0	0	- 10.0	- 10.0	- 10.0	- 10.0	-
32 0 33 1	1.2	1.2	1.2	1.2	0.0	1	10.0 3.7	10.0 3.7	10.0 3.7	10.0 3.7	0.0
34 2	2.1	2.1	2.1	2.1	0.0	0	-	-	-	-	-
35 4	1.6	1.8	2.2	1.9	0.5	1	3.1	3.1	3.1	3.1	0.0
36 0	-	-	-	-	-	0	-	-	-	-	-
37 0	-	-	-	-	-	0	-	-	-	-	-
38 0	-	-	-	-	-	0	-	-	-	-	-
39 0 40 0	-		-	-	-	1	1.8	1.8	1.8	1.8	0.0
41 0	_	-	_	-	-	0	-	-	-	-	-
42 0	-	-	-	-	-	0	-	-	-	-	-
43 19	1.2	1.2	1.3	1.2	0.2	22	1.8	2.0	2.2	2.8	2.6
44 32	1.2	1.3	1.3	1.4	0.7	28	1.8	2.2	4.6	3.7	3.1
45 32	1.2	1.3	1.4	1.5	1.1	27	1.6	1.9	2.3	2.0	0.7
46 35	1.2	1.3	1.6	1.5	0.5	35	1.6	1.7	2.2	2.4	1.7
47 27 48 31	1.3 1.1	1.4	1.6 1.5	1.7 1.4	1.4 0.5	28 19	1.4 1.6	1.6 1.7	2.3	2.1 1.8	1.1 0.4
49 28	1.2	1.3	1.4	1.3	0.3	12	1.6	1.8	2.1	2.8	3.2
50 17	1.2	1.3	1.5	1.6	0.8	8	1.5	1.6	1.9	1.7	0.3
51 5	1.0	1.1	1.2	1.1	0.1	3	1.6	1.7	1.7	1.7	0.1
52 1	8.0	0.8	0.8	0.8	0.0	0	-	-	-	-	-
53 0	-	-	-	-	-	0	-	-	-	-	-

L	42		Dov	vnstrea	ım Dire	ction			ı	Jostrear	n Direct	ion	
_				viistie			ur)					ate (hou	ır)
e Unit	e Pd.	Ħ		ercenti		(110		ŧ		ercentil		, (1100	
Time	Time	Count					Std.	Count					Std.
Ÿ	2014		25th	50th	75th	Avg.	<b>Dev.</b> 6.2	312	25th	50th	75th	Avg.	Dev.
H	Jan	335	3.3	4.5	9.5	7.0	- 0.2	0	3.6	4.6	6.8	5.5	3.6
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	18	2.2	4.5	7.1	7.1	9.5	21	3.6	5.0	6.9	5.2	2.0
	Apr	53	2.6	3.7	7.7	5.7	4.8	75	3.8	4.9	7.0	6.1	4.4
٦	May	58	2.8	4.1	7.2	5.2	3.5	61	3.8	4.8	6.6	5.9	4.1
Month	Jun	0	-	-	-	-	-	0	-	-	-	-	-
ž	Jul	2	3.6	3.7	3.8	3.7	0.1	0	-	-	-	-	-
	Aug Sep	0	3.2	3.9	4.3	3.6	1.0	2	6.0	7.4	8.8	7.4	2.7
	Oct	41	3.3	4.4	9.2	6.4	4.3	42	3.8	4.5	6.8	5.4	2.5
	Nov	113	3.6	4.8	12.2	8.2	6.8	91	3.0	4.3	6.6	5.2	3.0
	Dec	46	3.5	6.0	11.5	8.8	7.4	20	2.2	3.4	4.9	4.5	3.6
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3 4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
1	10	0	-	-	-	-	-	0	-	-	-	-	-
	11	1	1.5	1.5	1.5	1.5	-	0	7 1	7 2	- 7.1	72	- 0.2
	13	10	1.5 1.8	1.5 5.2	1.5 7.1	1.5 4.8	0.0 2.9	2 14	7.1 3.4	7.3 3.7	7.4 5.1	7.3 4.4	0.3 1.7
	14	15	1.7	4.4	8.8	7.6	10.4	15	5.7	7.1	8.0	8.8	8.1
	15	9	3.8	6.1	10.9	8.3	6.6	13	3.8	4.7	6.8	5.8	2.5
	16	9	3.4	3.7	4.9	4.6	2.6	15	3.7	4.8	5.8	5.0	1.6
	17	20	2.5	3.5	7.6	5.7	4.9	22	3.9	5.6	7.5	5.8	2.4
	18	18	3.3	6.2	8.6	6.5	3.6	22	3.8	4.5	6.5	6.5	5.8
	19 20	22	2.6	4.4 3.4	7.7 5.1	5.5 4.4	3.7	26 20	3.6	4.9	6.7	5.7 4.8	2.9
	21	3	1.9	2.7	3.3	2.6	2.8 1.1	8	3.9 4.8	6.1	5.5 7.6	6.6	2.0
	22	1	2.6	2.6	2.6	2.6	0.0	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
쓩	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27 28	0	-	-	-	-	-	0	-	-	-	-	-
	29	0	-	-	-	-	-	0	-	-	-	-	-
	30	1	3.6	3.6	3.6	3.6	0.0	0	-	-	-	-	-
	31	2	3.6	3.7	3.8	3.7	0.1	0	-	1	-	-	
1	32	0	-	-	-	-	-	0	-	-	-	-	-
1	33	3	3.1	4.2	4.4	3.6	1.2	0	-	-	-	-	-
1	34	0	-	-	-	-	-	0	-	-	-	-	-
Î	35 36	0	-	-	-	-	-	0	-	-	-	-	-
1	37	0	-	_	-	-	-	0	-	-	-	-	_
1	38	0	-	-	-	-	-	0	-	-	-	-	-
1	39	0	-	-	-	-	-	1	10.2	10.2	10.2	10.2	0.0
1	40	0	-	-	-	-	-	1	4.7	4.7	4.7	4.7	0.0
1	41	0	-	-	-	-	-	0	-	-	-	-	-
1	42	0 17	3.3	5.2	10.5	7.0	4.5	0 16	3.9	4.5	6.9	5.7	2.9
1	43	31	3.4	4.5	9.2	7.0	8.1	27	3.5	4.3	6.4	5.7	2.9
1	45	29	3.7	4.6	7.9	6.9	4.7	24	2.8	4.3	5.6	4.4	1.8
1	46	27	3.7	6.2	13.2	8.8	6.6	28	2.7	3.9	7.2	5.4	3.7
1	47	21	3.8	5.3	12.8	9.0	6.9	23	3.1	3.8	5.1	4.4	2.1
Î	48	24	3.2	3.9	9.1	6.6	5.0	13	5.3	7.3	9.8	7.2	3.0
1	49	27	4.0	6.3	13.7	10.2	8.5	12	2.7	3.8	4.9	4.4	2.5
1	50	18	3.8	8.3	12.1	8.9	5.2	7	2.0	4.1	5.8	4.3	2.5
1	51 52	5 1	1.6 3.1	3.2	9.9	5.6 3.1	4.5 0.0	3 0	2.0	2.2	9.8	7.1	7.2
1	53	0	-	-	-	-	-	0	-	-	-	-	-
_													

ᆫ	43		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je L	эе Р	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time (	Time	Co	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev
Υ	2014	378	1.8	2.1	2.4	2.9	2.9	374	2.6	2.9	3.5	3.3	1.6
	Jan	3	2.5	2.7	3.5	3.1	0.9	3	2.3	2.4	2.8	2.6	0.4
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	30	1.7	2.1	2.3	2.6	2.6	34	2.5	2.7	3.1	3.0	1.1
	Apr May	58 60	1.6 1.6	1.8 1.7	2.0 1.9	2.2	1.4 1.9	70	2.7	3.0	3.4 3.7	3.1 3.4	0.7 1.0
重	Jun	0	-	-	-	-	-	0	-	-	-	-	-
Month	Jul	7	1.9	2.0	2.3	2.3	0.7	5	3.9	4.6	4.9	5.8	3.4
	Aug	5	2.3	2.6	3.4	3.0	0.9	6	3.5	3.7	4.9	7.0	7.1
	Sep	2	3.4	4.1	4.8	4.1	1.3	4	3.4	3.5	3.7	3.5	0.3
	Oct	43	1.9	2.1	2.3	2.4	1.1	46	2.7	3.1	3.5	3.3	1.3
	Nov	118	2.1	2.3	2.8	4.0	4.3 1.7	97	2.5	2.8	3.7	3.3	1.4
_	Dec 1	52 2	2.0	2.2	2.4	2.6 2.5	0.2	28	2.3	2.5	2.9 3.0	2.6	0.5
	2	1	4.4	4.4	4.4	4.4	0.0	1	2.3	2.3	2.3	2.3	0.0
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	
	8 9	0	-	-	-	-	-	0	-	-	-	-	-
	10	2	2.0	2.0	2.1	2.0	0.1	3	1.9	1.9	2.0	1.9	0.0
	11	4	2.2	2.4	5.9	5.7	6.0	4	2.7	2.8	3.5	3.4	1.1
	12	5	1.7	1.7	2.1	1.8	0.3	7	2.5	3.0	3.2	3.5	1.9
	13	12	1.7	1.9	2.3	2.2	0.9	15	2.5	2.7	2.9	2.8	0.4
	14	15	1.5	1.7	2.3	2.1	0.8	17	2.7	2.9	3.0	2.9	0.4
	15	12	1.9	1.9	2.4	2.6	1.7	16	2.5	2.8	3.4	2.9	0.7
	16	10	1.7	1.8	2.0	1.9	0.3	15	2.5	3.0	3.3	2.9	0.5
	17	20	1.7	1.8	1.9	2.2	1.2	23	2.8	3.2	3.6	3.5	0.0
	18 19	18 25	1.6 1.6	1.8 1.7	2.2 1.9	2.7 1.9	2.0 0.8	27	2.8	3.3	3.6 3.5	3.4	0.8
	20	22	1.5	1.7	1.8	2.2	1.9	23	2.9	3.2	3.7	3.3	0.6
	21	3	1.3	1.4	6.0	4.4	4.4	11	2.3	3.0	3.7	3.5	1.8
	22	0	-	-	-	-	-	0	-	-	-	1	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
Week	26	0	-	-	-	-	-	0	-	-	-	-	-
š	27 28	0	-	-	-	-	-	0	-	-	-	-	-
	29	1	1.9	1.9	1.9	1.9	0.0	0	-	-	-	-	_
	30	3	1.7	1.9	2.0	1.8	0.2	4	4.4	4.8	6.8	6.5	3.5
	31	3	2.3	2.6	3.2	2.8	0.8	2	3.1	3.2	3.4	3.2	0.3
	32	1	2.3	2.3	2.3	2.3	0.0	1	22.8	22.8	22.8	22.8	0.0
	33	1	2.6	2.6	2.6	2.6	0.0	2	3.6	3.7	3.8	3.7	0.2
	34	0	- 27	2.4	- 4.0	- 22	- 1 1	2	3.4	4.0	4.6	4.0	1.2
	35 36	3 1	2.7 5.4	3.4 5.4	4.0 5.4	3.3 5.4	0.0	0	-	-	-	-	-
	37	1	2.8	2.8	2.8	2.8	0.0	0	-	-	-	-	
	38	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
	39	0	_		-			2	3.3	3.4	3.5	3.4	0.2
	40	0	-	-	-	-	-	1	4.0	4.0	4.0	4.0	0.0
	41	0	-	-	-	-	-	0	-	-	-	-	
	42	0	-	-	-	-	-	0	-	-	-	-	-
	43	17	1.8	1.9	2.1	2.2	1.2	20	2.8	3.3	3.7	3.8	1.8
	44	30 32	1.9	2.3	2.3	2.4	0.9	26 25	2.7	3.0	3.4 4.0	3.0	0.5 1.4
	45 46	30	2.1	2.3	2.7 3.0	3.7 4.9	3.6 5.3	31	2.2	2.7	3.3	3.2	1.8
	47	21	2.1	2.3	2.9	2.8	1.5	24	2.5	2.8	3.7	3.0	0.8
	48	26	1.9	2.3	4.1	4.8	5.4	16	2.9	3.3	4.0	3.7	1.5
	49	25	2.0	2.1	2.3	2.4	1.1	11	2.4	2.5	2.9	2.6	0.5
	50	21	2.1	2.3	2.7	2.8	1.3	8	2.3	2.6	2.8	2.7	0.6
	51	6	1.8	2.3	3.3	4.1	4.1	5	2.5	2.7	2.9	2.8	0.5
	52	3	1.8	2.2	2.8	2.3	0.8	5	2.2	2.3	2.7	2.4	0.3
	53	2	1.9	2.0	2.0	2.0	0.1	0	-	-	-	-	_

L	44		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
<u>و</u>	e P	ınt	Р	ercenti	le		Std.	ţ	Р	ercentil	le		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	372	3.2	3.8	5.6	5.4	6.3	385	3.3	4.2	5.8	5.7	7.2
	Jan	2	17.0	24.0	31.0	24.0	13.9	3	2.8	2.8	19.3	13.8	15.6
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	31	2.1	3.3	4.2	5.0	5.7	34	3.3	3.7	4.6	4.4	2.3
	Apr	51	3.0	3.5	4.8	6.4	11.3	75	3.5	4.1	5.1	5.4	7.7
₽	May Jun	53 4	3.0 4.3	3.3 4.8	5.6 5.7	4.6 5.1	3.5 1.5	67 6	3.5 3.8	4.2 4.7	5.3 5.4	4.8 9.7	2.0 12.0
Month	Jul	6	3.3	3.7	3.8	3.8	0.7	13	5.2	7.7	10.6	8.5	4.7
-	Aug	9	3.4	3.9	6.4	4.7	2.0	11	4.2	5.0	6.4	5.2	1.5
	Sep	4	2.9	7.4	11.7	7.2	4.6	8	3.9	5.7	8.4	11.6	16.3
	Oct	41	3.4	4.7	6.9	6.2	7.8	43	4.0	5.2	7.9	7.1	9.6
	Nov	119	3.4	3.8	5.5	4.9	2.9	99	2.7	3.8	6.1	5.0	4.4
	Dec	52	3.6	4.0	5.8	5.6	5.3	26	2.0	2.5	5.8	6.3	12.9
	2	1	37.9 10.1	37.9 10.1	37.9 10.1	37.9 10.1	0.0	3 0	2.8	2.8	19.3	13.8	15.6
	3	0	-	-	10.1	10.1	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	_	-	-	-
	5	0	-	_				0	-	-	-	-	
	6	0	-	-			-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	1	- 4 4	-	-	-	-	0	-	-	- 0	- 2.4	-
	10 11	4	4.1 6.8	4.1 13.2	4.1 19.5	4.1 13.1	0.0 7.1	3	2.0 4.8	2.3 5.7	2.8 7.4	2.4 6.3	0.7 2.2
	12	5	1.7	2.1	3.1	2.4	0.9	6	3.5	3.9	4.4	5.4	3.6
	13	13	2.1	3.8	4.2	5.1	5.8	15	3.4	3.6	4.4	4.3	1.8
	14	13	1.7	3.0	3.2	2.9	1.4	19	3.3	3.7	4.5	4.1	1.3
	15	10	3.8	4.6	6.3	10.8	18.9	13	3.8	4.2	5.8	4.7	1.5
	16	9	2.5	3.4	3.6	2.9	0.9	13	3.4	3.8	4.2	3.9	0.5
	17	19	3.1	3.3	5.4	7.6	11.5	25	3.4	4.7	5.3	7.5	12.9
	18 19	17	3.2	4.8	6.2	5.1	2.4	24	3.8	4.5	6.9 4.2	5.5	2.5
	20	21 19	2.8 3.3	3.1	3.3 5.4	4.1 5.0	2.9 4.4	21	3.3 4.1	3.6 5.2	6.8	3.9 5.4	0.7 1.7
	21	4	1.7	2.2	2.6	2.1	0.7	11	2.9	3.6	4.3	3.6	0.9
	22	0	-	-	-	-	-	1	3.4	3.4	3.4	3.4	0.0
	23	1	3.3	3.3	3.3	3.3	0.0	2	12.1	20.3	28.4	20.3	16.3
	24	3	4.8	5.1	6.3	5.8	1.3	2	4.2	4.6	5.0	4.6	0.8
	25	0	-	-	-	-	-	1	3.3	3.3	3.3	3.3	0.0
Week	26	0	-	-	-	-	-	0	-	-	-	-	-
<b>%</b>	27 28	0		-	-	-	-	0	5.4	5.4	5.4	5.4	0.0
	29	0	-		-	-		6	9.1	11.4	12.9	11.9	4.9
	30	1	3.5	3.5	3.5	3.5	0.0	5	4.6	5.2	5.8	5.5	1.3
	31	5	3.2	3.8	3.8	3.8	0.7	2	5.2	6.0	6.9	6.0	1.7
	32	2	3.9	4.4	4.9	4.4	1.0	2	3.0	3.5	3.9	3.5	0.9
	33	3	3.4	3.8	5.1	4.4	1.4	4	4.0	4.7	5.8	5.0	1.4
	34	1	3.9	3.9	3.9	3.9	0.0	1	6.8	6.8	6.8	6.8	0.0
	35	3	4.1	6.7	7.5	5.5	2.9	4	4.9	5.5	6.4	5.8	1.2
	36 37	0	-	-	-	-	-	0	-	-	-	-	-
	38	0	-	-	-	-	-	0	-	-	-	-	
	39	3	6.8	11.6	11.8	8.5	4.6	7	4.5	6.8	8.5	12.8	17.0
	40	1	3.2	3.2	3.2	3.2	0.0	2	3.5	4.1	4.6	4.1	1.1
	41	0	-	-	-	-	-	0	-	-	-	-	-
	42	0	-	-	-	-	-	4	5.2	5.5	20.9	20.6	26.9
	43	18	3.4	5.4	7.4	8.1	11.1	17	4.0	5.2	8.7	6.0	2.8
	44 45	28	3.2	3.6	5.1	4.4 5.2	2.2	23	3.7	5.1 4.0	7.0 6.3	5.3 4.0	2.1
	46	30 32	3.3	3.8 4.0	5.6 5.9	5.2 5.4	3.2	33	3.1 2.7	3.8	6.3 7.7	4.9 5.1	2.9 3.4
	47	21	3.5	3.8	4.8	4.3	1.4	24	2.7	3.3	5.4	3.9	1.8
	48	27	3.0	3.6	6.1	4.9	3.2	16	3.4	3.6	5.6	6.6	8.6
	49	25	3.5	3.8	5.5	5.0	3.3	10	2.0	3.4	6.2	4.2	2.3
	50	20	3.6	4.8	6.1	5.3	2.5	7	2.0	2.6	6.0	12.9	23.3
	51	6	3.5	3.8	4.8	9.3	12.7	5	2.3	3.4	4.8	4.7	3.2
	52	3	2.8	3.6	4.0	3.4	1.0	5	2.1	2.1	2.2	2.9	1.8
	53	2	3.8	3.9	3.9	3.9	0.1	0	-	_	<u> </u>	-	-

L	45		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ē	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time l	Time	ŝ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	520	2.4	2.8	3.4	3.9	3.5	586	3.4	3.9	4.7	4.8	3.4
	Jan	2	21.4	21.4	21.4	21.4	0.0	3	4.6	4.7	5.1	4.9	0.4
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	31	2.4	2.7	2.8	3.1	1.4	36	3.1	3.6	4.3	4.0	1.4
	Apr May	58 76	2.3	2.5 2.4	3.0 2.8	3.2 2.8	2.8 1.6	86 86	3.4	3.9	4.3 4.5	4.0	1.0
된	Jun	25	2.5	2.8	2.9	3.7	2.4	40	3.7	4.0	5.1	4.8	2.0
Month	Jul	24	2.6	2.8	3.5	3.9	2.9	45	3.9	4.7	16.1	10.2	8.5
	Aug	43	2.7	3.0	3.6	3.9	2.4	60	3.6	3.9	4.9	4.7	2.6
	Sep	23	2.3	2.5	2.9	3.7	3.2	22	3.6	4.0	4.6	4.8	2.0
	Oct	60	2.6	2.9	3.2	4.4	4.2	79	3.6	4.4	5.3	5.0	2.1
	Nov	124	2.6	3.1	4.0	4.6	3.8	102	2.9	3.5	4.4	4.3	2.6
_	Dec 1	54 0	2.7	3.1	3.5	4.3	4.3	27	2.7 4.6	3.3 4.7	3.7 5.1	3.5 4.9	1.4 0.4
	2	2	21.4	21.4	21.4	21.4	0.0	0	4.0	4.7	- -	4.9	- 0.4
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0 1	6.2	6.2	6.2	6.2	0.0	3	3.5	4.5	4.7	4.0	1.1
	11	5	2.6	2.8	3.2	3.4	1.2	4	2.9	4.8	7.1	5.2	2.7
	12	4	2.7	2.8	2.9	2.8	0.3	8	3.1	3.7	3.9	4.0	1.6
	13	14	2.4	2.6	2.8	3.0	1.7	14	3.2	3.4	4.0	3.6	0.7
	14	13	2.2	2.6	2.8	2.6	0.5	19	3.2	3.6	4.1	3.8	0.9
	15	11	2.3	2.4	2.9	4.2	5.5	18	3.0	3.4	4.2	3.5	0.9
	16	12	2.5	2.8	3.0	3.3	2.3	16	3.8	4.1	4.7	4.2	0.7
	17	18	2.3	2.5	2.7	3.1	1.6	26	3.5	3.9	4.3	4.1	1.2
	18 19	19 25	2.3	2.7	2.9	2.8	0.9	26 24	3.7	4.0 3.8	4.4 4.2	4.2 4.1	0.9
	20	25	2.2	2.3	2.7	2.9	2.0	22	3.5	3.9	4.8	4.4	1.9
	21	13	2.1	2.3	2.9	3.4	2.4	16	3.5	4.0	4.4	4.1	1.3
	22	5	2.4	2.7	2.7	2.5	0.3	12	3.4	3.8	4.6	4.0	0.8
	23	9	2.7	2.8	2.9	3.6	1.9	11	4.1	4.9	6.0	5.9	3.1
	24	9	2.4	2.6	3.4	3.7	2.3	15	3.6	3.8	4.7	4.3	1.0
	25	4	2.7	2.8	2.9	2.8	0.2	9	3.4	3.9	4.0	4.1	1.2
Week	26	4	2.3	2.3	2.3	2.3	0.0	4	4.9	5.2	5.2	4.9	0.5
ĕ∣	27 28	0	2.4	2.7	4.9	4.6	3.9	0	3.8	3.8	3.8	3.8	0.0
	29	2	6.1	9.3	12.5	9.3	6.4	18	10.6	16.9	25.0	16.8	8.3
	30	9	2.5	2.7	2.8	3.2	1.5	19	3.7	4.0	4.5	6.2	6.1
	31	16	2.7	3.0	3.9	3.6	1.6	10	3.8	4.3	5.5	5.2	2.1
	32	6	2.6	2.8	2.9	3.1	0.9	13	3.8	3.9	4.3	5.4	3.9
	33	9	3.0	3.4	5.0	5.0	3.4	17	3.2	3.9	4.3	4.2	1.1
	34	13	2.7	3.2	3.4	4.2	2.7	12	3.5	4.0	5.1	5.1	3.1
	35 36	10 0	2.6	3.0	3.4	3.3	1.2	16 0	3.6	4.1	4.9	4.2	0.8
	37	0	-	-	-	-	-	1	4.2	4.2	4.2	4.2	0.0
	38	4	2.3	2.4	2.8	2.8	0.8	2	3.8	4.0	4.3	4.0	0.5
	39	16	2.1	2.6	2.8	4.0	3.8	13	3.6	3.8	4.6	4.6	1.8
	40	12	2.8	3.0	4.9	4.5	2.9	16	3.7	4.3	5.0	4.9	1.9
	41	2	2.4	2.6	2.7	2.6	0.3	8	3.5	4.1	4.5	4.2	1.0
	42	8	2.6	2.6	2.9	5.8	8.2	18	3.4	4.5	6.0	5.3	2.2
	43	20	2.6	3.0	7.6	5.2	4.1	24	4.1	4.8	6.7	5.8	2.7
	44	26 33	2.6	2.9	3.2 7.8	4.0 6.0	3.7 4.7	22	3.5	3.9	4.7 4.9	4.2	1.2
	45 46	33 31	2.8	3.3	3.5	6.0 3.9	2.6	33	3.1 2.9	3.8	3.9	4.6 3.8	2.6 1.8
	46	22	3.0	3.3	3.7	3.9	2.0	23	2.6	3.4	3.9	3.8	2.1
	48	27	2.5	3.0	3.7	3.9	3.3	19	3.1	3.7	5.2	5.2	3.8
	49	26	2.7	3.0	3.3	4.5	5.6	12	2.6	3.0	3.8	3.7	2.0
	50	22	2.6	3.1	3.5	3.5	1.7	6	3.0	3.4	3.9	3.4	0.6
	51	7	3.2	3.6	4.5	5.2	4.0	4	3.4	3.5	3.7	3.5	0.2
	52	3	2.5	3.2	4.2	3.4	1.3	5	2.8	3.3	3.3	3.0	0.4
	53	2	2.9	2.9	3.0	2.9	0.1	0	-	-	-	-	_

L	46		Dov	vnstrea	m Dire	ction			ı	Jostrear	n Direct	ion	
Unit				vel Tim			ur)					ate (ho	ur)
e U	e Pd.	ınt	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	689	3.0	3.6	4.7	4.8	5.8	682	3.2	3.8	5.0	5.4	7.4
	Jan	3	7.9	9.6	12.8	10.6	4.1	2	1.9	2.0	2.1	2.0	0.2
	Feb	2	5.6	6.8	7.9	6.8	2.3	2	1.8	1.9	2.0	1.9	0.2
	Mar Apr	32 58	1.9 2.3	2.4 3.2	3.3	2.6 4.3	0.9 8.7	39 83	2.7 3.4	3.2	3.5 4.4	3.4 4.0	2.4 1.0
	May	96	2.7	3.3	4.4	4.3	5.9	98	3.3	3.8	5.1	4.9	5.4
Month	Jun	63	2.9	3.4	4.9	5.0	5.9	58	3.6	4.3	5.2	4.7	1.9
Š	Jul	47	3.1	5.3	9.4	9.1	12.6	57	4.1	6.8	12.3	15.3	19.1
	Aug Sep	99 37	3.4 1.9	3.9	6.3 3.5	5.3 4.2	3.9 6.4	94 33	3.3	4.1 3.8	5.5 4.3	5.2 3.9	5.9 1.3
	Oct	71	3.2	3.4	4.1	3.8	1.5	84	3.4	4.0	4.7	4.7	4.5
	Nov	124	3.4	3.8	5.1	4.7	2.6	103	2.5	3.5	5.0	4.2	2.5
	Dec	57	3.2	3.6	4.1	3.8	1.4	29	2.1	2.3	3.4	3.9	5.9
	1	2	6.2	6.2	6.2 14.4	6.2	0.0	0	2.2	2.2	2.2	2.2	0.0
	3	0	11.2	12.8	14.4	12.8	3.2	1	1.7	1.7	1.7	1.7	0.0
	4	0	-	-	-	-	-	0	-	-	-	-	-
1	5	0	-	-	-	-	-	0	-	-	-	-	-
1	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7 8	0	-	-	-	-	-	0	-	-	-	-	-
1	9	2	5.6	6.8	7.9	6.8	2.3	2	1.8	1.9	2.0	1.9	0.2
	10	1	3.8	3.8	3.8	3.8	0.0	3	2.0	2.1	2.8	2.5	0.7
	11	6	1.9	2.3	3.0	2.4	0.8	5	3.0	3.8	3.8	6.2	5.9
	12 13	5 14	1.7 2.1	2.0	2.3 3.2	2.2	0.8	9 16	3.2 2.6	3.2	3.5 3.3	3.1	0.6
	14	13	1.7	2.4	3.3	2.7	1.2	18	3.2	3.4	3.7	3.4	0.6
	15	11	3.3	3.5	4.0	9.4	18.9	14	3.2	3.7	4.7	4.1	1.3
	16	11	1.7	3.3	3.7	3.0	1.4	17	3.6	4.2	4.4	4.0	0.8
	17	17	2.6	3.2	3.8 4.1	3.4	1.4 1.4	26	3.5	3.9 4.1	4.4 5.4	3.9 4.6	0.8 1.3
	18 19	20	2.6	3.1	4.1	3.4	1.4	25 25	3.7	3.6	4.3	4.0	2.6
	20	26	2.6	3.2	5.1	4.1	2.7	26	3.4	4.1	6.4	6.4	9.5
	21	21	2.7	2.9	3.4	5.7	11.9	14	2.7	3.6	4.3	3.6	0.9
	22	17	3.2	4.1	4.7	4.5	2.5	22	3.2	3.7	4.6	4.7	3.1
	23	20	2.9 3.2	3.1	5.8 4.5	6.4 4.4	9.7	19 18	3.6 3.5	4.3	4.8 5.1	4.5 4.4	1.4 1.4
	25	14	2.9	3.1	3.5	3.4	1.1	14	3.7	4.5	5.2	4.9	2.8
꽃	26	4	7.3	8.5	9.8	8.6	2.8	7	3.5	5.2	7.0	5.3	1.7
Week	27	8	2.9	3.1	3.2	3.1	0.3	1	2.0	2.0	2.0	2.0	0.0
	28 29	9	3.8	11.4	13.5	9.6	6.1	0 24	6.4	13.7	52.3	28.0	24.0
	30	21	2.9	4.2	6.5	9.1	13.6	23	3.8	6.7	7.5	6.5	3.2
	31	18	3.4	5.8	8.1	9.1	13.5	14	3.9	4.1	6.6	5.3	2.3
1	32	17	3.5	3.8	4.5	4.9	3.3	20	3.0	3.8	5.1	4.2	1.7
1	33	20 34	3.1	3.6 4.0	4.4 5.8	4.5 5.3	2.9 5.0	28 17	3.0 2.4	4.2	5.6 5.5	4.4 5.1	1.7 4.2
1	35	22	3.8	6.3	7.8	6.5	3.4	24	3.9	4.5	6.0	7.2	10.5
1	36	0	-	-	-	-	-	0	-	-	-	-	-
1	37	0	-	-	-	-	-	0	-	-	-	-	-
1	38	11 22	2.0	2.8	3.5	6.0 3.4	10.9	6 19	3.2	4.1 3.8	4.2 4.2	3.7	0.7
1	39 40	15	1.8 3.0	3.0	4.2	3.4	2.5 1.1	21	3.1	3.8	4.2	3.9 5.8	1.3 8.1
1	41	7	2.4	3.3	3.4	2.8	0.8	8	3.8	4.5	5.4	4.6	1.8
1	42	9	3.2	3.3	3.7	3.4	0.6	20	3.4	4.0	4.3	4.0	1.3
1	43	24	3.3	3.7	5.0	4.4	2.1	26	3.4	3.8	5.0	4.5	2.5
1	44 45	23 33	3.1	3.5 3.8	3.7 5.8	3.6 4.8	1.0 2.2	21 24	2.6 3.2	4.1 3.8	4.2 6.0	3.9 4.9	1.6 3.0
1	46	33	3.4	3.8	7.0	5.2	3.2	34	2.4	3.8	5.0	4.2	2.4
1	47	22	3.7	3.8	4.1	3.9	0.8	22	2.5	3.2	3.6	3.2	1.1
1	48	28	3.5	3.8	5.1	5.1	3.2	19	3.0	3.9	6.2	4.7	2.9
1	49 50	27	3.3	3.6	4.2	3.8	1.3	12 g	1.9	2.6	3.9	3.0	1.1
1	50 51	22 8	3.2	3.8	4.1 3.9	3.9 3.6	1.5 0.9	8	2.0	2.3 4.0	2.8 12.9	2.4 11.1	0.5 13.7
1	52	3	2.4	3.3	3.5	2.9	1.0	5	2.2	2.3	3.3	2.7	0.6
L	53	2	2.3	2.6	2.8	2.6	0.5	0	-	-	-	-	-

L	47		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	-6			vel Tim			ur)					ate (hou	ur)
le U	ie Pd.	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time I	Time	Col	25th	50th	75th	Avg.	Dev.	Col	25th	50th	75th	Avg.	Dev.
Υ	2014	704	2.8	3.2	3.6	3.8	3.1	693	4.0	4.7	5.5	5.2	2.6
	Jan	2	18.9	20.0	21.1	20.0	2.2	1	3.5	3.5	3.5	3.5	0.0
	Feb	2	2.8	2.8	2.8	2.8	0.0	2	3.0	3.0	3.1	3.0	0.0
	Mar	32 57	3.0 2.6	3.2 2.8	3.4	3.6 3.6	2.1 4.3	39 81	3.8 4.3	4.3	5.0 5.2	4.5 4.8	1.1 0.9
	Apr May	96	2.6	2.8	3.0	3.0	1.3	101	4.0	4.7	5.8	5.4	2.4
Month	Jun	74	2.7	2.9	3.2	3.0	0.7	68	4.1	4.9	5.5	5.2	2.0
Μ	Jul	45	2.7	2.9	3.2	3.8	2.8	55	4.1	5.1	6.2	7.0	5.4
	Aug	99	3.2	3.6	4.4	5.3	5.7	95	4.2	5.0	6.2	5.8	3.7
	Sep Oct	39 74	2.5	2.8 3.2	3.3	3.4	2.5 1.1	31 88	4.5	4.8	5.6 5.5	5.2 5.2	1.1 1.5
	Nov	125	3.2	3.5	3.9	3.9	1.8	102	3.6	4.9	4.7	4.3	1.2
	Dec	59	3.2	3.5	3.8	3.5	0.5	30	3.4	4.0	4.5	4.0	0.8
	1	0	-	-	-	-	-	0	-	-	-	-	
	2	2	18.9	20.0	21.1	20.0	2.2	0	-	-	-	-	-
	3	0	-	-	-	-	-	1	3.5	3.5	3.5	3.5	0.0
1	4 5	0	-	-	-	-	-	0	-	-	-	-	-
ĺ	6	0	-	-	-	-	-	0	-	-	-	-	-
1	7	0	-	-	-	-	-	0	-	-	-	-	-
1	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	1	2.8	2.8	2.8	2.8	0.0	2	3.0	3.0	3.1	3.0	0.0
1	10 11	6	3.8	3.8	3.8 4.4	3.8 5.4	0.0 4.4	3 5	2.9 3.9	3.0 5.3	3.2 5.4	3.1 5.3	0.3 1.7
	12	5	3.0	3.3	3.3	3.1	0.4	10	4.0	4.6	4.9	4.5	0.6
	13	14	2.8	3.2	3.2	3.1	0.4	16	4.0	4.4	4.8	4.6	0.9
	14	13	2.8	3.2	3.5	3.1	0.5	18	3.9	4.3	4.6	4.4	0.7
	15	11	2.7	2.8	3.7	6.0	9.1	12	3.8	4.5	4.9	4.5	0.9
	16 17	10 16	3.0 2.6	3.1 2.8	3.2 2.9	3.0 2.8	0.5	18 24	4.5 4.5	4.7	5.1 5.4	4.9 5.1	0.8 1.1
	18	21	2.7	2.8	3.1	3.2	1.6	25	4.4	4.8	6.0	5.3	1.3
	19	24	2.6	2.8	3.2	3.2	2.0	25	3.9	4.5	5.2	5.0	2.3
	20	25	2.5	2.7	3.1	3.1	1.4	26	4.2	5.3	6.4	5.7	2.6
	21	21 18	2.6	2.8	2.8 3.0	2.9	0.7	16 23	4.5 3.8	4.7	5.3 5.4	6.0 4.9	3.1 1.9
	23	24	2.7	2.9	3.2	3.0	0.7	22	4.3	4.8	5.3	4.8	0.8
	24	24	2.7	2.9	3.0	2.9	0.2	21	4.3	5.1	5.5	5.0	8.0
	25	16	2.8	3.0	3.3	3.2	1.0	16	4.1	4.6	6.5	6.3	3.5
Week	26	5	2.6	3.2	3.2	3.3	1.0	9	4.0	4.6	5.3	5.0	1.5
Š	27 28	9	2.6	2.7	3.3	3.8	2.9	3	3.4 6.0	4.5 7.5	5.8 13.2	4.6 10.3	1.3 6.2
	29	8	2.6	2.7	2.8	2.8	0.4	15	3.8	9.8	20.4	11.7	7.9
	30	22	2.7	2.8	3.0	4.2	3.5	24	4.2	4.8	5.4	4.8	0.9
	31	18	2.9	3.1	3.3	3.2	0.4	15	4.6	5.5	5.8	5.3	0.9
	32	17 19	3.0	3.2 4.1	3.8 11.8	3.6 9.4	0.9 9.9	20	4.3 3.9	4.7	5.4 6.7	5.0 7.1	1.2 6.4
	34	32	3.2	3.5	3.8	4.6	4.4	19	3.9	4.2	6.4	5.3	2.9
ĺ	35	24	3.3	3.8	5.6	4.8	3.1	24	4.7	5.1	6.1	5.4	1.0
1	36	0	-	-	-	-	-	0	-	-	-	-	-
1	37	0	-	- 2.7	- 2.4	-	-	0	-	-	- 4.0	- 47	-
ĺ	38 39	10 24	2.6	2.7	3.4	4.8 2.8	4.4 0.7	4 19	4.5 4.6	4.5 5.1	4.8 5.5	4.7 5.2	0.5 1.1
1	40	15	2.9	3.2	3.5	3.4	0.7	23	4.2	4.7	5.5	4.9	1.0
ĺ	41	9	2.7	2.8	3.1	2.9	0.4	9	5.0	5.3	5.7	5.3	1.2
ĺ	42	11	2.9	3.2	3.3	3.5	1.4	20	4.2	4.7	5.4	5.3	1.8
1	43	23	2.8	3.3	3.6	3.5	1.4	26	4.6	5.2	5.6	5.5	1.8
ĺ	44 45	33	3.1	3.3 3.7	3.6 4.0	3.3 4.0	0.4 1.7	23	4.5 4.1	4.9 4.5	5.5 4.9	5.1 4.5	0.9
ĺ	46	32	3.1	3.3	3.8	3.4	0.5	32	3.4	4.1	4.9	4.5	1.5
1	47	22	3.3	3.7	4.4	4.5	2.6	22	3.5	4.0	4.5	4.1	0.8
ĺ	48	28	2.8	3.2	3.9	4.0	2.2	19	3.6	3.8	4.3	4.1	0.9
1	49	29	3.3	3.5	3.7	3.5	0.5	12	3.4	4.4	4.7	4.2	0.9
1	50 51	10	3.2	3.5 3.7	3.9	3.5 3.6	0.6	8 4	3.4	3.8 4.1	4.2 4.2	3.9 4.0	0.7
ĺ	52	3	2.8	3.2	3.5	3.2	0.5	5	4.0	4.1	4.2	3.9	0.6
L	53	2	3.5	3.6	3.6	3.6	0.1	1	3.8	3.8	3.8	3.8	0.0

L	48		Dov	vnstrea	ım Dire	ction			ı	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time L	Time F	Count	P	ercenti	le		Std.	Count	F	ercentil	е		Std.
Ţ	Ė	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	706	3.1	3.7	5.2	5.0	5.1	705	3.3	4.2	6.0	5.6	5.6
	Jan Feb	2	10.8 4.9	15.7 5.0	18.8 5.1	14.5 5.0	6.6 0.3	2	2.6 2.5	6.5	14.9 2.6	11.0	10.7 0.0
	Mar	30	2.0	3.2	3.5	2.9	1.0	38	2.9	2.5 3.3	3.9	2.5 3.3	0.8
	Apr	55	2.6	3.2	4.3	4.3	4.4	76	3.4	4.1	5.9	5.9	7.6
_	May	91	2.8	3.3	4.3	4.4	4.4	99	3.5	4.1	5.4	4.8	2.3
Month	Jun	82	3.2	3.7	5.0	5.3	5.6	75	3.8	4.7	6.1	5.1	1.9
Ž	Jul Aug	41 103	3.2	5.2 4.3	6.5	7.0 5.9	7.8 6.1	56 105	3.7	4.8	8.1 5.8	9.8 5.3	13.0 3.8
	Sep	40	2.2	3.1	4.0	3.4	1.8	30	4.1	4.7	6.1	6.6	5.8
	Oct	77	3.2	3.7	5.7	5.0	5.7	88	3.8	4.7	6.6	5.4	2.6
	Nov	124	3.4	3.9	5.5	5.4	5.0	103	2.8	4.1	6.4	5.3	4.1
	Dec	58	3.4	3.6	4.0	3.6	0.9	29	2.0	2.3	3.6	3.9	5.3
	2	3	10.8	15.7	18.8	14.5	6.6	0	2.5	2.7	6.5	5.1	3.7
	3	0	-	-	-	-	-	1	28.7	28.7	28.7	28.7	0.0
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6 7	0		-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	4.9	5.0	5.1	5.0	0.3	2	2.5	2.5	2.6	2.5	0.0
	10	1	4.4	4.4	4.4	4.4	0.0	3	2.3	2.7	3.9	3.2	1.4
	11	6	2.0	2.5	3.1	2.6	0.7	6	2.5	2.9	3.3	2.9	0.7
	12 13	5 13	1.8 2.8	2.3 3.1	3.7	2.6	1.0 0.7	11 14	3.0	3.3 3.5	3.8 3.6	3.4 3.4	0.7
	14	13	2.2	3.2	3.5	3.3	1.9	17	3.3	3.9	4.2	3.7	0.5
	15	8	3.0	3.2	3.3	3.1	0.4	10	3.3	3.4	3.9	3.5	0.6
	16	10	2.6	3.5	3.7	3.2	1.2	16	3.5	4.1	6.0	5.2	3.3
	17	17	3.0	3.2	5.1	5.5	6.7	25	3.7	5.1	6.3	8.5	12.4
	18 19	21	2.8	3.4	5.8 3.3	4.7 3.4	3.1 2.7	26 22	3.7	4.3 3.6	5.3 4.1	4.7 3.8	1.8 1.0
	20	26	2.9	3.6	6.6	5.7	6.9	28	3.6	4.8	7.1	5.4	2.6
	21	18	2.8	3.6	4.9	4.5	2.5	15	3.7	5.2	7.3	5.6	2.7
	22	15	2.9	3.3	3.7	4.0	2.8	20	3.5	4.1	5.8	5.1	2.7
	23 24	21	3.0	3.5	6.3	4.5	2.0	20	3.8	4.7	6.3	5.2	1.8
	25	23 19	3.3	3.5	4.8 5.3	4.2 7.4	1.5 9.2	18 21	3.6 3.4	4.5 4.3	6.2 5.7	5.4 4.7	2.3
v	26	15	3.3	3.7	4.0	4.1	1.9	16	4.0	4.8	5.5	4.9	1.2
Week	27	9	3.2	3.3	10.1	10.4	10.8	3	2.6	3.3	3.9	3.2	1.0
>	28	0	-	-	-	-	-	6	3.6	4.1	36.2	21.8	26.2
	29	8	3.0	5.0	6.7	5.0	1.9	19	4.1	5.8	15.2	12.9	13.4
	30	19 17	3.5	6.1 3.9	6.5 5.8	6.3	4.4 9.5	21 15	3.7 4.0	5.4 4.7	8.0 7.0	6.2 5.3	3.3 1.6
	32	18	3.6	5.2	7.9	10.2	12.1	21	3.5	4.5	5.7	5.9	5.6
	33	17	3.7	4.3	5.0	4.7	3.2	26	2.6	4.2	4.7	4.7	3.7
	34	35	3.4	3.7	4.6	4.7	3.6	21	2.9	4.2	5.2	4.7	3.0
	35 36	25 0	3.7	5.1	7.3	5.6	2.7	29 0	3.7	5.2	6.8	5.9	2.8
	37	0	1	-	1	1	-	0	-	-	-	-	-
	38	9	1.7	2.9	3.5	3.3	2.6	5	4.1	5.1	13.5	9.9	7.5
	39	26	2.1	2.8	4.1	3.3	1.7	17	4.4	5.7	6.2	6.8	5.9
	40	14 13	3.5	3.8	4.9	4.5	1.8	23	3.4	4.2	7.1	5.3	3.0
	41 42	10	3.1 4.2	3.5 6.0	3.7 7.6	3.7 10.4	1.8 13.8	10 20	4.1 4.2	5.5 5.3	6.5 9.4	5.2 6.8	1.8 3.3
	43	24	3.2	3.8	5.9	4.7	2.4	25	4.0	4.3	6.0	4.8	1.5
	44	25	3.2	3.6	3.9	3.9	1.4	23	3.5	4.3	5.5	4.5	1.6
	45	30	3.7	4.7	7.3	5.3	2.8	26	4.8	5.9	7.9	6.8	3.6
	46	33	3.4	3.6	4.7	4.5	2.1	30	2.0	3.2	4.1	3.9	2.9
	47 48	21 27	3.5 3.5	4.1	5.1 6.8	4.4 6.6	1.4 7.8	23 18	2.7 3.4	3.8 4.3	5.0 10.2	3.9 7.4	1.5 6.6
	49	30	3.4	3.7	4.3	4.9	5.9	12	2.0	2.7	4.2	3.4	2.0
	50	22	3.5	3.6	3.9	3.6	0.6	8	2.0	3.0	3.2	2.8	0.7
	51	10	3.0	3.5	3.7	3.3	0.5	4	2.0	2.8	10.4	9.6	12.3
	52	3	2.4	3.2	3.4	2.8	0.9	5	2.0	2.2	2.3	2.3	0.7
	53	2	2.7	2.8	3.0	2.8	0.3	1	2.0	2.0	2.0	2.0	0.0

L	49		Dov	vnstrea	m Dire	ction			Į	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
ᆰ	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	e		Std.
Lime	Time	Col	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	717	2.2	2.4	2.8	2.7	1.8	706	3.2	3.8	4.5	4.4	2.8
	Jan	1	17.8	17.8	17.8	17.8	0.0	0	-	-	-	-	-
	Feb	2	2.0	2.2	2.3	2.2	0.2	2	2.7	2.7	2.7	2.7	0.0
	Mar	31	2.3	2.7	2.7	2.6	0.4	42	3.0	3.4	4.1	4.0	2.5
	Apr	59 93	2.1	2.3	2.5	2.3	0.5	80 97	3.3 3.4	3.8	4.4 4.4	4.8 4.4	3.5 2.8
£	May Jun	82	2.0	2.3	2.4	2.3	0.3	68	3.5	3.9	4.7	4.5	2.9
Month	Jul	44	2.1	2.3	2.3	2.3	0.3	57	3.5	4.0	4.9	5.0	3.9
	Aug	98	2.4	2.7	2.9	3.1	2.9	100	3.5	3.9	4.9	5.0	3.6
	Sep	39	2.0	2.3	2.6	2.8	2.7	31	3.5	3.9	4.5	4.1	0.9
	Oct	75	2.3	2.6	2.8	2.8	2.1	91	3.4	4.2	5.0	4.5	2.1
	Nov	124	2.5	2.8	3.1	3.0	1.5	104	3.0	3.3	4.2	3.9	1.5
_	Dec	69	2.5	2.8	3.0	2.9	1.7	34	2.8	3.3	3.6	3.3	0.9
	2	1	17.8	- 17.8	17.8	17.8	0.0	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	<u> </u>
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	- 0.7	- 0.7	- 0.7	- 0.7	-
	9 10	1	2.0	2.2	2.3	2.2	0.2	3	2.7	2.7	2.7	2.7	0.0
	11	6	2.9	2.9	2.9	2.9	0.0	6	2.3 3.0	2.5 3.4	3.0 6.1	2.7 6.2	0.6 5.4
	12	5	2.7	2.7	2.7	2.8	0.3	13	3.1	3.5	3.8	3.5	0.5
	13	14	2.3	2.5	2.7	2.5	0.3	15	3.1	3.4	4.2	3.7	0.8
	14	13	2.3	2.3	2.8	2.5	0.5	19	3.1	3.7	5.6	5.9	5.1
	15	10	2.2	2.3	2.4	2.1	0.9	12	3.4	4.0	4.4	4.1	1.1
	16	13	2.1	2.4	2.7	2.4	0.4	17	3.2	3.6	3.9	4.6	4.3
	17	15	2.1	2.2	2.4	2.2	0.2	25	3.4	3.8	4.5	4.5	1.9
	18 19	21	2.1	2.3	2.4	2.3	0.5	25 23	3.5 3.3	4.1 3.8	4.5 4.1	4.6 3.9	2.0 1.0
	20	27	1.9	2.1	2.3	2.1	0.3	25	3.4	3.7	4.3	4.1	1.3
	21	20	2.1	2.2	2.3	2.1	0.2	14	4.0	4.4	5.3	6.4	6.1
	22	15	2.1	2.3	2.4	2.2	0.2	22	3.3	3.8	4.1	4.0	1.5
	23	21	2.0	2.2	2.3	2.2	0.3	20	3.5	3.9	4.7	4.6	3.0
	24	24	2.1	2.3	2.4	2.3	0.3	16	3.4	3.7	4.0	3.7	0.4
	25	17	2.3	2.4	2.5	2.4	0.2	15	3.7	4.5	5.0	4.4	0.8
Week	26	16	2.1	2.2	2.4	2.3	0.4	16	3.6	4.0	4.3	4.3	1.2
ة  ≷	27 28	10 0	2.0	2.3	2.3	2.2	0.2	5 7	2.8 3.3	3.5 3.4	4.0 3.7	7.2 3.5	7.9 0.5
	29	7	2.0	2.0	2.1	2.0	0.1	16	3.1	3.8	4.0	6.4	6.9
	30	21	2.1	2.2	2.3	2.2	0.4	23	3.8	4.9	5.8	4.9	1.3
	31	18	2.4	2.7	2.9	2.7	0.3	16	3.8	4.2	5.0	4.8	1.8
	32	15	2.5	2.8	3.2	5.1	7.0	20	3.8	3.9	5.5	6.1	5.7
	33	16	2.5	2.8	3.0	2.9	0.5	22	2.9	3.6	4.2	3.8	1.0
	34	33	2.4	2.7	2.9	2.6	0.5	22	3.5	4.0	5.4	5.7	4.4
	35 36	26 0	2.5	2.6	2.9	2.7	0.4	27 0	3.6	4.0	4.6	4.6	2.2
	37	0	-	-	-	-		0	-	-		-	-
	38	9	2.0	2.3	2.7	4.3	5.3	7	3.6	4.2	4.3	4.1	0.5
	39	24	2.0	2.3	2.5	2.3	0.4	16	3.5	3.8	4.6	4.0	0.7
	40	15	2.3	2.4	2.8	2.5	0.3	24	3.4	4.1	4.7	4.2	1.2
	41	11	2.3	2.8	2.8	4.1	5.1	11	3.2	3.8	4.9	4.0	1.2
	42	9	2.3	2.4	2.6	2.4	0.3	19	3.3	3.6	4.5	4.2	1.8
	43 44	25 25	2.3	2.6	2.8	2.5	0.4	26	3.8	4.3	5.5 5.0	5.2	3.1
	44	25 30	2.3	2.7	2.8 3.1	2.6 3.4	0.3 2.8	22	3.6 3.2	4.3 3.9	5.0 5.1	4.4 4.6	1.1 2.2
	46	34	2.4	2.7	3.0	2.8	0.5	31	3.1	3.4	4.4	3.8	1.1
	47	21	2.7	2.8	3.2	2.9	0.4	21	2.8	3.1	3.9	3.6	1.3
	48	27	2.3	2.7	2.9	2.9	1.3	18	3.1	3.2	3.5	3.4	0.6
	49	33	2.5	2.7	3.0	3.2	2.3	13	2.8	3.1	3.6	3.4	1.1
	50	25	2.5	2.8	3.1	2.8	0.5	11	2.7	3.2	3.3	3.0	0.5
	51	11	2.6	2.8	3.2	2.9	0.5	6	3.4	3.5	3.6	3.8	1.1
	52	5	1.8	2.2	2.5	2.3	0.5	6	2.6	3.3	3.3	3.0	0.6
	53	3	2.2	2.8	2.9	2.5	0.6	1	3.4	3.4	3.4	3.4	0.0

L	50		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
۹	ле Р	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	လ	25th	50th	75th	Avg.	Dev.	၀၁	25th	50th	75th	Avg.	Dev.
Υ	2014	1871	2.0	3.3	8.2	5.8	5.3	2018	2.2	2.6	3.0	2.8	1.4
	Jan	81	4.0	8.3	14.7	9.4	5.9	85	2.3	2.6	3.3	3.2	2.6
	Feb Mar	73 156	2.1	3.3 4.2	6.2 7.9	5.1 5.7	4.2	112 173	2.0	2.3	2.8	2.7	1.5 0.9
	Apr	153	2.5	7.8	13.9	8.6	6.0	193	2.3	2.7	3.0	2.8	1.1
	May	193	3.8	7.6	12.3	8.7	6.0	230	2.4	2.7	3.2	3.1	1.7
Month	Jun	177	3.2	7.9	12.5	8.5	5.7	185	2.3	2.7	3.1	3.0	1.2
ğ	Jul	138	2.3	4.7	10.7	7.2	6.1	176	2.3	2.7	3.1	2.9	1.1
	Aug	200	1.8	2.6	4.6	4.5	4.5	206	2.1	2.5	2.9	2.9	1.9
	Sep Oct	89 184	1.5 1.7	1.9 2.3	2.7 4.2	2.3 4.3	1.3 4.5	80 189	2.3	2.6	2.9 3.0	2.7	0.9
	Nov	235	2.0	2.5	4.1	3.6	3.0	230	2.1	2.4	3.1	2.8	1.6
	Dec	192	1.9	2.3	3.2	3.3	2.9	159	2.0	2.4	2.8	2.6	0.8
	1	5	2.6	5.8	14.7	9.3	7.5	10	2.6	3.0	3.5	3.3	1.1
	2	13	4.1	5.5	8.9	7.7	4.9	9	3.3	3.4	6.0	5.9	5.7
	3	24	2.7	7.9	15.0	8.5	6.0	17	2.3	2.6	2.9	2.7	0.6
	4 5	7 39	9.5 5.0	14.4 8.3	15.2 13.2	12.8 9.4	5.4 5.6	28 26	2.3	2.6	3.2 2.6	2.7	0.7 2.7
	6	13	2.9	6.2	7.7	6.3	3.3	25	2.0	2.4	3.2	2.9	1.5
	7	27	1.8	2.3	3.5	2.8	1.1	21	2.6	3.1	4.4	4.0	2.4
	8	18	2.0	2.5	6.4	4.9	4.4	27	1.8	2.3	2.6	2.2	0.5
	9	18	5.7	12.0	18.2	11.4	6.9	38	1.9	2.2	2.6	2.3	0.6
	10	31	2.9	5.3	10.2	6.7	4.2	28	2.1	2.3	2.7	2.5	0.8
	11	35 24	1.9	3.0	5.0	3.9 4.2	3.0 2.9	45 40	1.9 2.2	2.3	2.6 3.1	2.4	0.6
	13	40	1.8 2.0	3.6	6.0 5.6	4.2	3.2	41	2.2	2.3	2.7	2.6	1.0
	14	56	2.5	6.6	9.5	6.9	4.5	44	2.2	2.5	2.9	2.8	1.1
	15	28	5.2	9.5	14.5	10.0	6.0	35	2.1	2.7	3.1	2.8	1.0
	16	18	2.4	9.3	18.4	10.6	7.7	42	2.2	2.5	2.8	2.5	0.5
	17	34	6.5	9.5	15.3	10.1	5.7	63	2.4	2.7	3.0	3.0	1.4
	18 19	56 51	2.5 3.3	6.0 8.3	12.5 12.1	7.5 8.5	5.2 5.9	51 57	2.5	2.8	3.1 3.2	3.0 2.9	0.9
	20	40	6.1	10.7	16.9	11.4	6.2	54	2.5	2.7	3.2	2.9	0.8
	21	50	2.0	5.7	10.3	6.7	5.1	45	2.6	2.8	3.1	3.1	1.5
	22	29	5.7	6.7	15.0	10.0	6.6	47	2.3	2.7	3.2	3.5	3.0
	23	50	5.9	10.1	13.8	9.6	5.2	49	2.5	2.7	3.0	2.8	0.5
	24	51	3.4	5.4	10.5	6.7	4.1	44	2.3	2.7	3.3	3.1	1.3
	25 26	29 32	7.7 5.7	11.7 8.8	13.7 16.5	11.0 10.4	5.9 6.8	43 45	2.3	2.7	2.9 3.2	2.9 3.1	1.2
Week	27	34	1.9	3.0	4.3	3.9	2.7	26	2.3	2.5	3.2	2.7	0.6
≥	28	38	1.8	2.8	5.3	3.9	3.2	38	2.3	2.5	3.0	2.7	0.8
	29	33	1.9	4.1	4.9	3.9	2.2	47	2.2	2.7	3.0	2.9	1.6
	30	44	8.1	12.6	17.9	12.5	6.2	46	2.5	2.8	3.2	3.0	0.8
	31	8	1.5	11.7	21.5	11.6	9.9	44	2.3	2.6	3.2	2.8	0.9
	32	48 46	4.5 1.8	8.5 2.6	13.2 3.9	9.3	5.9 2.2	47 45	2.2	2.5	2.9 3.4	2.8 3.4	1.0 3.1
	34	60	1.7	2.0	2.6	2.4	1.9	45	1.9	2.4	2.8	2.8	2.3
	35	42	1.8	2.4	3.7	3.1	2.2	48	2.2	2.5	2.9	2.6	0.6
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	- 4.7	-	-	- 0.4	0	- 0.4	-	-	-	-
	38	19 58	1.5 1.4	1.7 2.0	2.0 3.2	1.8 2.5	0.4 1.5	18 44	2.4	2.6	3.2	3.1 2.7	1.6 0.6
	40	43	1.7	2.1	2.9	3.1	2.8	48	2.3	2.6	2.9	2.7	0.7
	41	30	1.7	2.0	3.0	2.5	1.2	28	2.2	2.6	3.1	2.7	0.7
	42	26	1.7	1.9	2.1	2.3	1.3	37	2.3	2.6	3.0	2.8	1.0
	43	50	1.8	2.6	3.0	2.6	1.1	56	2.3	2.7	3.1	2.9	0.9
	44	52	2.0	7.5	13.7	8.3	6.4	43	2.2	2.4	2.8	2.9	2.1
	45 46	60 66	2.0 1.9	2.7	4.8 3.8	4.0 3.3	3.6 2.8	60 61	2.1	2.4	2.7 3.2	2.6	1.0 0.9
	46	39	1.9	2.3	4.5	3.6	2.8	52	2.0	2.3	2.9	2.7	2.4
	48	58	2.0	2.5	3.8	3.6	3.1	43	2.2	2.4	3.1	2.9	2.1
	49	58	1.9	2.3	3.7	3.4	2.8	41	2.2	2.6	3.2	2.8	0.9
	50	48	2.0	2.4	3.2	3.5	3.1	36	1.9	2.2	2.7	2.4	0.7
	51	39	2.0	2.3	2.9	3.1	2.7	39	2.0	2.3	2.9	2.5	0.7
	52 53	31 23	2.0 1.9	2.4	3.3 2.5	3.5 2.7	3.2 2.3	37 15	2.0	2.3	2.7 3.0	2.4	0.5
	JJ	20	1.3	۷.۱	2.0	4.1	2.0	10	۷.5	4.1	0.0	۵.5	0.0

L	51		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
〗	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	Col	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	2260	2.4	3.1	5.3	5.5	7.8	2195	4.4	7.3	13.9	10.7	9.3
	Jan	125	6.9	10.1	13.6	12.4	10.4	116	6.4	12.2	23.6	15.4	11.5
	Feb	90	4.6	6.8	9.8	10.0	11.2	114	6.1	12.2	22.4	17.3	14.2
	Mar	165	3.1	3.8	6.9	7.7	11.0	177	5.4	7.3	11.0	9.4	7.7
	Apr May	203	2.9	3.5	5.5 3.7	6.1 4.7	8.4 6.3	200 248	9.4 7.8	14.4 11.9	20.9 16.2	16.1 12.9	9.5 7.3
ŧ	Jun	220	2.8	3.1	4.2	4.4	3.6	216	8.1	13.0	18.9	14.8	9.7
Month	Jul	182	2.7	3.0	3.8	5.6	9.2	195	5.7	9.2	18.0	12.7	9.4
-	Aug	237	2.3	2.8	3.8	4.9	8.4	208	3.6	4.9	8.1	8.0	7.7
	Sep	125	1.8	2.2	3.8	4.4	6.0	116	3.1	4.6	6.2	6.1	7.2
	Oct	205	2.2	2.5	4.0	4.8	8.0	200	3.3	5.0	7.5	6.5	6.4
	Nov	249	2.3	2.6	3.3	3.9	3.8	236	3.1	4.8	6.7	5.8	4.7
	Dec	216	2.2	2.4	2.8	3.3	2.9	169	2.9	4.3	6.2	5.5	5.2
	2	9 18	6.0 5.8	7.2 7.4	11.3 8.9	10.5 11.4	9.2 13.9	17 21	4.2	4.5 8.1	7.8 16.7	6.5 14.0	3.2 13.8
	3	19	6.8	11.5	14.6	15.0	14.6	34	6.1	9.6	15.2	11.1	6.3
	4	38	7.8	10.8	12.1	11.8	7.4	25	15.8	25.2	28.0	24.5	11.5
	5	45	7.0	10.6	15.0	12.1	8.2	22	12.1	17.6	25.5	19.7	9.8
	6	12	7.6	9.3	13.6	12.9	11.0	25	5.8	9.7	12.2	10.6	6.4
	7	24	5.5	7.2	9.2	7.2	2.5	20	4.4	6.5	10.7	9.7	8.4
	8	18	3.8	5.0	7.5	8.0	8.1	32	6.1	9.6	18.5	12.8	9.1
	9 10	37	4.7	6.3 6.2	10.9 8.2	12.0 8.5	14.7 9.6	39 24	16.9 4.4	24.8 9.6	42.8 11.4	29.2 10.1	15.5 8.1
	11	39	3.0	3.5	6.1	5.5	5.2	46	5.1	6.5	10.6	8.2	5.3
	12	33	2.8	3.8	12.7	13.9	19.0	43	5.4	6.6	7.8	7.9	7.6
	13	47	2.9	3.4	5.0	5.2	7.0	46	6.4	8.4	12.4	11.5	9.9
	14	55	3.0	3.4	4.6	5.0	7.3	43	6.1	9.5	12.3	10.6	5.8
	15	36	3.1	3.6	5.5	8.2	13.8	39	10.0	14.3	16.8	15.4	9.2
	16	46	3.3	4.0	6.4	7.4	7.8	50	11.0	19.1	22.2	17.7	8.3
	17 18	45 56	2.9	3.2 3.1	6.3 3.5	4.8	3.0 4.7	53 57	12.8 7.7	21.2 11.7	27.8 14.8	20.7	11.2 4.6
	19	56	2.7	3.0	3.7	4.2	4.3	56	6.6	10.5	12.9	10.9	5.9
	20	52	2.9	3.2	4.5	6.8	10.8	61	10.7	15.7	19.8	15.2	6.0
	21	53	2.6	2.9	3.4	4.2	4.5	51	6.2	9.8	13.6	11.3	9.3
	22	58	2.7	3.0	3.5	4.3	4.0	51	7.7	12.8	20.6	14.2	8.0
	23	57	2.8	3.1	4.7	4.6	4.1	57	6.6	10.5	16.7	12.5	8.3
	24 25	55 48	2.7	2.9	3.7	3.6 4.7	2.0 4.5	49	6.9	10.8	15.2	10.8	4.8
	26	47	2.9	3.1	3.5 4.7	4.7	3.8	50 54	9.5 13.3	14.5 18.8	21.1	17.6 19.0	13.0 8.6
Week	27	38	2.8	2.9	3.3	6.1	10.7	32	4.6	6.6	9.1	7.1	3.4
>	28	39	2.7	3.2	4.7	5.3	6.6	44	6.0	8.3	11.0	9.9	7.3
	29	35	2.5	2.8	3.8	3.4	1.6	46	4.4	5.7	8.0	7.7	5.7
	30	52	2.5	2.8	3.8	7.5	13.0	48	8.8	13.5	19.1	14.1	6.4
	31	45	2.9	3.2	3.6	3.9	2.5	51	20.3	25.4	30.5	24.4	10.0
	32	58 46	2.8	3.5 2.4	4.1 3.1	5.0 4.9	6.0 10.6	45 44	5.3 3.1	11.0 4.2	16.0 5.4	11.3 4.9	7.1 2.4
	34	63	2.1	2.4	4.9	5.0	8.0	47	2.9	3.8	5.4	4.9	3.1
	35	52	2.2	2.5	3.1	3.7	5.5	48	3.7	5.0	6.0	6.2	7.0
	36	9	3.7	5.3	6.0	11.4	19.5	14	3.1	4.9	6.1	4.7	1.6
	37	18	2.2	2.3	4.6	6.4	8.4	15	3.8	5.2	8.0	6.7	4.5
	38	31	1.8	1.9	3.8	3.8	3.7	29	3.3	4.9	8.2	7.8	8.8
	39	59	1.8	2.1	3.2	4.4	6.8	45	2.9	4.4	6.2	6.0	8.4
	40	45 35	2.2	2.3	3.8 2.8	3.0 5.8	1.4 13.5	47 28	3.1 4.0	4.2 5.1	5.9 7.1	6.0 7.4	8.6 9.5
	42	33	2.0	2.3	3.1	5.3	10.4	44	3.5	4.8	5.8	5.3	3.3
	43	56	2.2	2.5	4.1	3.8	3.1	58	3.2	5.7	8.8	6.6	4.8
	44	54	2.4	2.9	5.6	5.6	6.6	46	3.1	5.4	8.1	6.1	3.6
	45	64	2.4	2.7	4.1	5.0	6.0	59	3.0	4.5	5.7	4.8	2.2
	46	67	2.3	2.6	3.4	3.5	2.9	59	2.8	4.8	6.7	5.3	3.0
	47	45	2.4	2.6	3.0	3.2	1.6	55	2.7	4.6	7.0	6.3	6.4
	48	58	2.3	2.6	3.9	3.9	2.9	48	4.3	5.7	7.9	7.6	6.3
	49 50	61 58	2.3	2.5 2.5	3.0	3.5	3.1	42 41	3.3	4.8	6.6	5.9 5.9	4.3 6.7
	51	43	2.3	2.5	2.5	2.8	3.5 1.9	41	3.6	4.6	6.3 6.9	5.9	6.7 6.5
	52	38	2.2	2.3	2.6	2.8	1.7	38	2.8	4.0	5.7	4.4	1.9
	53	25	1.9	2.2	2.6	3.4	3.1	14	2.9	3.6	5.0	3.9	1.2

L	52		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je C	Je P	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	3870	8.0	1.0	1.3	1.3	1.1	3835	8.0	0.9	1.2	1.2	0.9
	Jan	267	8.0	1.1	1.3	1.3	1.1	257	0.8	0.9	1.2	1.1	0.7
	Feb	221	0.8	0.9	1.0	1.0	0.7	245	0.8	0.8	1.0	1.0	0.5
	Mar Apr	321 347	0.8	0.9 1.0	1.2	1.2	1.0	332 353	0.7	0.8 1.0	1.1	1.1 1.5	0.6 1.4
	May	389	0.8	1.0	1.3	1.3	0.9	398	0.8	0.9	1.3	1.2	1.0
듩	Jun	329	0.8	1.0	1.3	1.3	1.0	340	0.8	0.9	1.3	1.3	1.0
Month	Jul	338	0.8	0.9	1.2	1.2	1.1	345	0.8	0.9	1.2	1.1	0.7
	Aug	375	8.0	1.0	1.2	1.2	0.7	355	8.0	1.0	1.3	1.2	0.7
	Sep	311	0.8	1.0	1.2	1.2	0.9	286	8.0	0.9	1.2	1.1	0.6
	Oct	333	0.8	1.0	1.3	1.3	1.0	315 336	0.8	1.0	1.3	1.3	1.1
	Nov Dec	328 311	0.9	1.2 1.1	1.8	1.7 1.6	1.4	273	0.8	0.9	1.3 1.2	1.2 1.1	0.7
	1	31	0.8	1.1	1.4	1.5	1.2	32	0.8	0.9	1.0	1.0	0.4
	2	39	1.0	1.3	1.8	1.8	1.3	45	0.8	0.9	1.2	1.0	0.4
	3	55	8.0	0.9	1.1	1.2	1.2	67	0.8	0.9	1.2	1.1	0.6
	4	67	8.0	1.0	1.2	1.3	1.2	66	8.0	0.9	1.1	1.1	1.0
	5	86	0.8	1.0	1.3	1.2	0.8	55	0.8	0.9	1.4	1.3	0.8
	6	40	0.8	0.9	1.1	1.3	1.1	50	0.8	0.9	1.1	1.0	0.4
	7 8	69 49	0.8	0.8	1.0 0.9	1.1 0.9	0.7	66 67	0.7	0.8	1.0	0.9	0.3
	9	63	0.8	0.9	1.0	0.9	0.2	64	0.8	0.9	1.2	1.1	0.6
	10	53	0.8	1.0	1.2	1.0	0.2	46	0.7	0.8	0.9	0.9	0.6
	11	69	0.8	1.0	1.4	1.6	1.6	81	8.0	0.9	1.1	1.1	0.6
	12	70	8.0	0.9	1.0	1.0	0.6	85	0.7	0.8	1.1	1.1	0.6
	13	95	8.0	1.0	1.2	1.1	0.9	87	8.0	0.9	1.3	1.1	0.7
	14	84	0.8	1.0	1.2	1.0	0.5	71	0.7	0.9	1.7	1.4	1.2
	15	69 79	0.8	1.0	1.2	1.1	0.6 1.6	73 95	0.8	0.9 1.0	1.4 1.3	1.4 1.5	1.2 1.5
	16 17	91	0.8	1.0	1.2	1.1	0.7	93	0.8	1.0	1.6	1.5	1.4
	18	86	0.8	1.0	1.2	1.3	1.0	89	0.7	1.0	1.3	1.4	1.4
	19	94	0.8	0.9	1.2	1.2	1.0	95	0.8	0.8	1.0	1.0	0.4
	20	84	0.8	1.0	1.3	1.3	0.9	94	0.8	0.9	1.5	1.4	1.1
	21	83	8.0	1.1	1.5	1.5	1.2	84	8.0	0.9	1.3	1.2	0.8
	22	89	0.8	1.0	1.3	1.2	0.5	80	0.8	0.9	1.5	1.3	1.1
	23	81 79	0.8	1.0	1.3	1.2 1.5	0.7 1.4	75	0.8	1.0	1.4	1.3 1.2	0.9
	25	80	0.8	1.1	1.3	1.4	1.4	88	0.8	0.8	1.5	1.3	1.1
J	26	68	0.8	1.0	1.2	1.1	0.4	80	0.8	0.9	1.2	1.3	1.2
Week	27	66	0.8	0.9	1.1	1.0	0.6	68	0.7	0.8	1.0	0.9	0.4
>	28	76	0.7	0.9	1.1	1.0	0.5	75	0.7	0.8	1.0	0.9	0.4
	29	68	0.7	0.8	1.1	1.3	1.4	81	0.7	8.0	1.0	1.0	0.5
	30 31	89 80	0.8	1.0	1.3	1.5	1.4 0.8	81 85	0.8	1.0	1.4	1.2 1.2	0.8
	32	90	0.8	1.0	1.2	1.4	1.2	78	0.8	1.0	1.3	1.2	0.9
	33	76	0.7	1.0	1.1	1.0	0.5	72	0.8	1.0	1.3	1.2	0.7
	34	89	0.8	1.0	1.2	1.1	0.4	74	0.7	0.9	1.1	1.1	0.6
	35	89	0.8	1.1	1.3	1.2	0.5	86	0.8	1.1	1.3	1.3	0.9
	36	62	0.9	1.0	1.2	1.3	1.2	65	0.8	1.0	1.2	1.2	0.8
	37	74	0.8	1.0	1.2	1.1	0.4	70	0.8	1.0	1.4	1.2	0.6
	38 39	73 81	0.8	0.9	1.4	1.5 1.1	1.3 0.6	63 70	0.8	0.9	1.1	1.0 1.0	0.4
	40	80	0.7	1.0	1.2	1.1	0.8	75	0.8	1.0	1.4	1.0	0.5
	41	75	0.7	0.8	1.1	0.9	0.3	69	0.8	1.0	1.3	1.2	0.7
	42	67	0.8	1.0	1.1	1.3	1.1	78	0.8	1.0	1.4	1.2	0.7
	43	81	8.0	1.1	1.4	1.3	1.0	77	8.0	1.0	1.2	1.2	0.6
	44	73	0.9	1.1	1.3	1.5	1.1	60	0.9	1.1	1.9	1.9	1.8
	45	70	1.0	1.3	2.6	2.2	1.9	78	0.8	1.0	1.2	1.1	0.5
	46	89 68	0.8	1.2	3.1	2.1	1.7	87 77	0.8	1.0	1.3	1.1	0.6
	47 48	68 81	0.9	1.2 1.2	1.3	1.3	0.8	77 70	0.8	0.9 1.0	1.2	1.3 1.2	1.1 0.6
	49	79	0.9	1.2	1.4	1.4	1.7	69	0.8	1.0	1.3	1.3	0.8
	50	85	0.9	1.2	2.3	2.2	2.1	67	0.8	1.0	1.2	1.2	0.8
	51	62	0.9	1.0	1.3	1.2	1.0	65	0.7	0.8	1.0	1.0	0.5
	52	55	0.9	1.0	1.3	1.3	0.9	56	0.8	0.9	1.1	1.0	0.4
	53	39	8.0	1.0	1.3	1.2	0.6	29	8.0	0.9	1.2	1.0	0.4

L	53		Dov	vnstrea	ım Dire	ction			ı	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (ho	ur)
Time L	Time F	Count	P	ercenti	le		Std.	Count	P	ercentil	е	•	Std.
Ė	Ė	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	3413	2.3	2.9	4.2	4.0	4.1	3355	2.6	3.4	5.1	4.5	4.1
	Jan Feb	225 180	2.3	3.2	5.1 4.7	4.8 4.6	4.7 6.0	216 198	2.5	3.2	4.7 3.8	4.7 4.2	4.7 5.1
	Mar	277	2.2	3.0	3.8	4.3	6.0	289	2.4	2.8 3.2	4.8	4.4	4.6
	Apr	292	2.2	2.8	3.9	3.4	2.4	310	2.9	3.9	5.8	4.9	3.6
ے	May	322	2.3	3.1	3.9	3.4	1.7	329	2.7	3.5	5.0	4.2	2.3
Month	Jun	292	2.2	2.8	3.8	3.5	3.1	297	2.6	3.5	5.0	4.0	2.0
Ž	Jul Aug	290 319	2.1	2.8	4.1 3.6	3.7	2.7	299 300	2.5	3.2	4.5 4.6	3.8 4.0	2.2 3.8
	Sep	286	2.0	2.5	3.3	3.3	3.7	257	2.4	3.1	4.3	4.1	5.9
	Oct	308	2.3	2.8	4.2	3.7	4.3	302	2.7	3.8	5.4	4.8	4.0
	Nov	323	2.6	3.5	5.5	5.3	5.2	302	2.9	4.1	7.2	6.3	5.4
	Dec	299	2.4	3.2	4.9	4.6	5.0	256	2.7	3.5	5.6	4.9	3.8
	2	26 38	2.6	3.8 4.2	5.3 6.0	5.1 7.1	3.5 7.3	28 42	2.3	3.3 3.9	5.4 5.5	5.3 6.5	6.0 7.2
	3	45	2.2	2.8	4.6	3.7	3.2	55	2.6	3.7	6.3	4.9	3.2
	4	52	2.3	3.1	4.3	4.7	4.8	54	2.3	2.6	3.3	3.4	3.7
	5	73	2.3	3.2	5.0	4.4	3.7	43	2.6	3.3	4.1	4.5	3.7
	6 7	30 52	2.8	4.5 3.2	7.2 5.2	6.3 5.2	5.7 5.4	38 48	2.6	3.5	5.1 4.4	4.8 5.4	4.4 8.3
	8	41	2.1	2.6	3.7	3.1	1.6	56	2.3	2.4	3.0	2.9	1.5
	9	59	1.9	2.3	3.3	3.9	7.8	60	2.2	2.8	3.5	3.6	2.5
	10	44	2.6	3.2	3.7	5.5	10.7	36	2.4	2.9	4.1	3.7	2.2
	11	67	2.1	3.5	5.1	6.0	7.3	75 72	2.3	3.2	5.0	4.9	7.1
	12 13	54 82	2.1	2.3	3.3 4.0	2.7 3.7	0.9 2.9	73 74	2.5	3.0 3.6	4.1 5.1	3.6 4.8	1.6 4.4
	14	77	2.3	2.8	3.4	3.6	3.5	65	2.7	4.0	5.8	4.6	2.7
	15	58	2.3	2.8	3.9	3.3	1.5	68	2.9	3.6	4.9	4.7	4.4
	16	69	2.2	2.7	4.3	3.6	2.1	86	3.1	5.5	7.0	5.9	4.1
	17	67 72	2.1	2.8	3.7	3.3	2.0	72	2.6	3.5 4.3	4.8	4.0	2.0
	18 19	79	2.2	2.9	3.8	3.3	1.7 1.4	73 82	3.2 2.6	3.3	5.7 4.5	5.0 3.9	3.0 2.5
	20	70	2.4	3.0	4.7	3.6	2.0	78	2.5	3.6	5.5	4.4	2.5
	21	70	2.2	3.4	4.5	3.7	1.9	76	2.7	3.6	5.1	4.4	2.5
	22	71	2.4	3.1	3.5	3.2	1.2	60	2.6	3.2	4.4	3.6	1.3
	23 24	73 71	2.2	2.7	4.5 3.8	4.2 3.6	4.7 3.1	71 64	2.5	3.8	5.5 4.6	4.2 3.7	1.9 1.6
	25	67	2.3	3.2	4.2	3.7	1.9	75	2.7	3.8	6.5	4.6	2.3
٧	26	63	2.3	2.7	3.2	2.9	1.3	74	2.7	3.5	4.5	4.0	2.0
Week	27	54	1.9	2.3	4.2	3.5	2.9	52	2.3	2.7	3.6	3.4	2.0
	28	61	2.1	2.7	3.4	3.3	2.3	63	2.6	3.3	4.3	3.6	1.3
	29 30	60 77	1.9 2.3	3.0	4.0	3.7 4.2	2.8 3.2	74 75	2.5	2.8 3.2	4.3 4.8	3.2 4.0	1.2 2.0
	31	72	2.3	2.9	4.0	3.2	1.3	75	2.5	3.3	4.5	4.1	3.2
	32	81	2.3	2.8	3.4	3.6	3.2	71	2.5	3.5	5.3	4.4	2.7
	33	61	2.0	2.5	4.2	3.1	1.5	57	2.1	3.4	5.6	4.9	7.6
	34 35	76 76	2.2	2.7	3.2 4.0	3.1	1.9 1.4	59 73	2.2	2.9 3.7	4.1 4.6	3.4	1.8 1.5
	36	54	2.2	2.4	3.5	4.2	6.9	57	2.4	2.8	3.6	3.2	1.2
	37	70	2.1	2.6	3.6	3.4	2.5	64	2.7	3.4	4.3	3.6	1.4
	38	67	1.9	2.7	3.5	3.2	2.2	58	2.4	3.1	4.4	5.7	11.8
	39 40	76 72	1.9	2.3	3.0	3.1	2.7	61 67	2.3	3.1	5.1	4.1	2.5
	40	72 68	2.1 1.9	2.7	4.0 3.8	3.2	1.8 3.4	67 62	2.7	3.4	4.6 4.8	3.7 4.0	1.5 3.2
	42	63	2.2	2.8	4.7	3.8	2.5	78	2.7	3.3	4.4	4.3	3.7
	43	78	2.3	2.9	3.6	4.0	7.0	70	2.9	4.4	5.6	5.3	5.0
	44	69	2.6	3.2	5.2	4.0	2.9	64	3.0	5.7	6.9	6.1	3.9
	45 46	75 87	3.6	5.7	11.6	8.0 5.2	5.7	73	4.0	5.8	14.3	9.4	7.1
	46 47	87 66	2.5	3.3	5.0 4.8	5.2 4.3	5.4 3.9	80 69	2.7	4.8 3.3	10.1 4.3	6.8 4.0	5.1 2.2
	48	73	2.6	3.1	4.1	4.2	5.0	60	2.9	3.9	5.4	4.7	3.3
	49	74	2.5	3.2	4.7	4.4	4.9	64	2.7	3.8	6.1	6.0	5.9
	50	89	2.7	4.2	7.4	6.4	6.0	63	3.1	5.2	9.3	6.5	4.3
	51	55	2.4	3.2	4.5	4.3	5.8	59	2.7	3.4	4.2	3.7	1.6
	52 53	54 35	2.4	2.8	3.6	3.3 2.8	1.5	53 28	2.5	3.2	4.0 5.0	3.5 4.4	1.6 3.7
	53	35	2.0	2.5	3.2	2.8	1.1	28	2.2	3.2	5.0	4.4	3

L	54		Dov	vnstrea	ım Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Je C	ле Р	Count	Р	ercenti	le	1	Std.	Count	P	ercentil	е		Std.
Time	Time	ဝ၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	2984	1.0	1.2	4.7	3.4	3.6	2779	1.7	2.4	6.3	4.5	3.8
	Jan	236	1.2	1.4	5.0	3.7	3.9	226	1.7	2.2	5.3	4.0	3.5
	Feb	192	1.1	1.3	3.9	3.3	3.5	209	1.7	2.8	5.7	4.4	3.6
	Mar	248 263	1.0 0.9	1.3 1.2	5.2 4.6	3.7	4.0 3.8	229 244	1.7	2.4	5.9 7.5	4.4 5.0	3.8 4.2
	Apr May	265	0.9	1.1	4.4	3.1	3.2	248	1.7	2.5	7.5 6.6	5.0 4.5	3.8
뒫	Jun	234	0.9	1.1	4.7	3.2	3.5	226	1.8	2.5	6.5	4.5	3.7
Month	Jul	238	0.8	1.0	3.7	3.0	3.4	235	1.8	2.4	5.5	4.2	3.4
	Aug	255	1.0	1.4	5.3	3.4	3.4	235	1.7	2.3	5.8	4.2	3.6
	Sep	272	0.9	1.1	4.1	2.9	3.2	233	1.8	2.6	7.5	5.0	3.9
	Oct	258	0.9	1.2	5.0 4.7	3.6	3.9	234	1.7	2.5	6.1	4.6	3.8
	Nov Dec	276 247	1.0	1.2	5.3	3.5	3.7 3.5	246 214	1.7	2.4	6.5 6.6	4.5 4.4	3.8
	1	28	1.2	1.3	6.1	4.0	3.9	25	1.6	1.8	2.4	3.1	2.9
	2	35	1.3	1.5	3.3	3.1	3.5	42	1.8	2.8	6.5	4.7	3.7
	3	55	1.1	1.3	7.4	4.1	4.6	60	1.7	2.1	4.9	4.0	3.6
	4	55	1.2	1.6	5.7	4.0	3.9	55	1.5	1.8	5.1	3.5	3.0
	5	72	1.2	1.4	4.2	3.2	3.2	52	2.1	2.9	6.5	4.8	3.9
	6 7	41 50	1.2	2.1 1.3	3.6 4.0	3.6	3.8	48 44	1.7	2.4	5.8 4.7	4.4 4.1	3.9
	8	46	1.1	1.7	3.6	3.3	3.5	56	1.7	2.3	5.8	4.1	3.3
	9	57	1.0	1.2	4.7	3.2	3.3	57	1.8	3.5	5.7	4.7	3.5
	10	40	1.1	1.3	6.8	4.1	4.6	34	1.7	2.5	5.9	4.1	3.3
	11	53	1.1	2.5	5.1	4.2	4.4	56	1.6	2.0	5.8	4.3	3.9
	12	53	0.9	1.2	4.1	2.9	3.1	62	1.8	3.4	6.7	4.8	3.8
	13	75	1.0	1.2	5.0	3.5	3.8	55	1.8	2.2	4.5	4.2	3.8
	14	66	0.9	1.1	3.7	3.2	3.3	52	1.7	3.6	8.8	5.5	4.4
	15 16	57 58	0.9	1.7 1.5	4.9 4.5	3.7	4.0 3.4	48 67	1.8	2.6 2.4	6.9 8.2	5.0 5.2	3.9 4.4
	17	66	0.9	1.2	5.8	3.7	4.1	64	1.7	2.4	6.9	4.6	3.9
	18	61	0.9	1.1	6.6	4.0	4.3	56	1.7	2.0	6.8	4.8	4.6
	19	60	0.9	1.0	4.3	3.0	3.4	54	1.7	2.8	6.6	4.8	3.9
	20	57	0.9	2.0	4.2	3.2	3.0	50	1.8	2.3	5.0	4.2	3.6
	21	61	0.9	1.4	4.4	3.1	3.1	64	1.7	2.2	7.6	4.6	3.8
	22	58 61	0.9	1.0	3.0	2.5	2.7 3.1	55 53	1.8	2.4 3.3	7.2 8.4	4.4 5.3	3.7 4.2
	24	54	0.9	1.0	3.1	2.6	2.7	43	1.8	2.3	5.2	3.9	3.3
	25	60	0.9	2.0	7.5	4.3	4.0	66	1.8	2.5	6.4	4.4	3.5
۷.	26	43	0.9	1.0	3.9	3.0	3.3	52	1.9	2.3	6.0	4.2	3.3
Week	27	47	0.9	1.0	3.0	3.1	3.9	42	1.8	2.4	8.2	4.8	3.7
	28	49	0.8	1.0	4.0	3.0	3.3	52	2.0	2.5	5.2	3.9	2.8
	29	45	0.8	0.9	2.4	2.6	3.2	58	1.8	2.5	6.0	4.6	4.0
	30	64 60	0.9	1.7	4.2 5.0	3.1	3.2	60 57	1.8	2.7	5.3 4.8	4.0	3.2
	32	62	1.0	2.5	6.1	3.9	3.5	55	1.6	2.4	6.7	4.7	4.1
	33	57	1.0	1.2	3.6	3.1	3.4	52	1.7	2.3	6.0	4.1	3.5
	34	59	1.0	1.2	4.7	3.2	3.4	45	1.6	2.2	5.6	3.9	3.1
	35	58	1.0	1.5	5.5	3.5	3.4	53	1.8	2.2	5.1	4.0	3.3
	36	50	1.0	1.2	5.3	3.3	3.3	50	1.8	2.8	7.1	5.2	4.3
	37	63	0.9	1.3	4.3	3.2	3.4	62 53	1.9	2.6	7.6	4.8 5.1	3.8
	38	67 74	0.8	0.9 1.0	3.2 4.3	2.6	3.3 2.5	53 52	1.9	2.6 2.5	8.8 7.2	5.1 4.9	3.9 4.2
	40	59	0.9	1.8	6.8	4.4	4.6	47	1.8	2.4	6.7	4.5	3.6
	41	57	0.9	1.1	4.2	3.3	3.7	49	1.7	2.5	6.8	4.7	3.9
	42	53	0.9	1.8	5.7	3.9	3.9	66	1.8	2.5	4.5	3.9	3.1
	43	66	0.9	1.1	3.6	2.8	3.0	50	2.0	4.2	9.3	5.9	4.4
	44	60	1.0	1.3	5.4	3.7	3.7	58	1.7	2.3	5.8	4.1	3.5
	45	67	1.0	1.3	7.5	4.0	4.3	49	1.7	2.3	6.3	4.2	3.6
	46 47	70 57	1.0	1.1 2.0	3.7 5.1	2.9 3.8	3.2	66 60	1.7 1.7	2.6 2.5	6.5 7.2	4.6 4.8	3.9
	48	64	1.1	1.3	4.4	3.3	3.3	48	1.7	2.2	6.5	4.0	3.3
	49	50	1.0	1.2	3.1	2.6	2.6	53	1.9	3.1	8.9	5.3	4.0
	50	70	1.0	2.9	6.7	4.3	3.9	42	1.7	2.2	6.2	4.5	4.1
	51	50	1.0	1.5	6.0	4.1	4.1	53	1.7	2.3	7.9	4.6	3.8
	52	51	1.0	1.2	4.8	3.0	2.8	53	1.6	2.1	6.6	4.1	3.4
	53	33	0.9	1.1	3.4	2.8	3.0	24	1.7	2.1	3.5	3.3	2.7

L	55		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Onit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
آو ا	ле Р	Count	Р	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time	Time	ပိ	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	925	3.5	4.1	7.4	6.8	6.9	898	6.4	7.7	10.2	10.0	7.4
	Jan	19	4.5	5.0	9.7	8.7	9.2	16	6.8	10.8	17.9	17.4	15.4
	Feb	24	4.4	5.5	10.4	9.2	9.9	30	6.5	8.0	10.7	8.8	2.7
	Mar	25	4.2	4.5	7.0	6.5	4.0	31	6.5	7.5	10.1	9.4	4.5
	Apr May	35 57	3.6	4.1 3.6	9.0 7.8	8.7 6.5	9.6 5.7	37 44	7.3 6.9	7.9 8.4	10.3 11.2	10.9 11.1	7.4 8.3
튀	Jun	70	3.4	3.8	7.8	7.1	8.1	85	6.8	7.9	9.8	10.1	6.1
Month	Jul	55	3.4	4.3	9.3	7.5	6.3	63	7.3	8.5	11.7	12.2	10.6
_	Aug	72	3.9	4.5	10.7	7.6	5.9	75	6.8	8.0	10.8	10.4	7.1
	Sep	56	3.3	3.9	9.5	9.5	11.9	57	6.8	8.5	11.1	11.9	10.2
	Oct	102	3.4	3.8	7.8	7.2	8.6	105	6.2	7.5	10.2	9.9	6.9
	Nov	157	3.6	4.1	6.7	6.1	4.7	142	5.8	6.9	9.3	9.0	6.5
-	Dec 1	253 4	3.5 4.4	4.0 4.5	4.7 4.8	5.5 4.7	4.3 0.5	213 4	6.1 8.4	7.3 11.7	9.2 14.4	8.8 11.1	5.3 3.6
	2	2	3.7	4.1	4.6	4.1	0.9	3	13.8	21.1	32.2	23.6	15.1
	3	9	4.8	9.2	13.5	12.6	12.0	6	9.6	14.6	35.9	24.0	18.9
	4	4	4.6	4.9	6.3	6.0	2.4	1	4.1	4.1	4.1	4.1	0.0
	5	0	-	-	-	-	-	3	7.5	9.0	10.1	8.8	2.1
	6	5	4.2	4.3	4.3	4.3	0.5	6	7.4	7.9	10.2	8.5	1.8
	7	10 7	4.9	7.4	12.0 13.8	8.8	4.5	9	6.9	8.5	11.0	9.0	2.3
	8 9	4	4.8 5.9	7.5 8.4	11.9	14.5 9.4	16.1 4.8	9 5	6.8	8.9 6.5	10.0 6.7	9.6 6.7	3.7 0.8
	10	11	3.9	4.3	7.7	5.9	2.9	10	6.1	6.6	6.9	6.9	1.2
	11	3	4.4	4.5	5.3	5.0	0.9	5	6.1	7.7	9.0	10.4	6.5
	12	3	3.8	4.3	5.7	4.9	1.5	8	7.1	9.1	10.9	10.1	4.2
	13	5	4.3	4.4	4.7	7.1	5.5	4	8.9	12.7	16.4	12.5	5.2
	14	4	3.5	3.7	4.4	4.3	1.3	5	6.7	7.5	8.7	8.9	3.7
	15	9	3.5	3.8	5.3	4.9	2.1	10	6.5	8.0	8.8	10.2	7.7
	16 17	10 11	3.4	4.1	11.3	9.1	9.1	10	6.9	7.3	7.7	11.3	9.2
	18	8	4.3 3.0	8.3 3.4	12.0 10.5	11.6 8.7	11.9 9.1	11 7	8.4 7.7	9.7 7.9	15.6 10.6	13.0 9.6	6.4 3.7
	19	10	3.2	3.5	7.6	6.4	5.2	5	7.0	7.9	13.0	17.4	17.5
	20	5	4.0	4.2	18.9	11.3	9.4	7	9.0	10.6	12.2	10.5	2.6
	21	15	3.3	3.8	12.8	8.0	6.4	11	6.3	7.8	10.5	11.4	8.6
	22	21	3.3	3.5	3.8	4.4	2.6	19	6.8	7.6	10.7	9.2	4.1
	23	11	3.4	6.3	7.4	6.6	3.9	14	7.3	8.0	8.8	9.0	4.5
	24 25	12 19	3.3	3.8 4.2	10.4 11.3	7.1 10.9	5.6 13.6	17 24	7.9 6.5	10.7 7.4	17.6 9.2	12.3 10.6	5.5 8.7
J	26	24	3.4	3.7	6.2	5.0	2.6	28	6.6	7.9	9.5	9.0	3.7
Week	27	8	3.4	3.5	5.6	7.8	9.1	14	7.1	8.3	13.3	13.1	12.7
۶	28	12	3.4	7.9	12.0	9.8	7.7	16	7.9	9.6	11.8	13.2	11.6
	29	14	3.1	3.3	5.8	6.2	5.1	15	6.9	7.9	8.7	10.5	10.5
	30	15	3.7	4.0	8.3	6.5	4.4	12	8.0	10.8	16.7	13.8	7.9
	31	12	3.6	5.3	7.9	6.6	3.7	14	6.6	8.1	9.3	8.9	3.0
	32	15 8	4.2	5.3 4.4	11.1	7.2 9.0	3.9 6.8	14	6.3 8.1	8.0 10.4	11.9 19.7	9.2	3.5 8.2
	34	22	3.9	4.4	10.1	7.6	6.5	17	7.3	7.9	9.7	9.5	5.2
	35	22	3.9	4.4	8.5	7.3	6.2	26	6.5	7.5	9.4	9.6	7.8
	36	14	3.7	4.5	11.6	12.8	14.7	14	8.7	10.0	21.0	16.7	13.7
	37	13	3.4	3.8	4.7	7.6	10.8	7	6.7	7.4	10.6	8.4	2.5
	38	17	3.2	3.9	9.2	8.2	9.5	20	7.0	8.3	10.2	11.4	9.9
	39 40	10 12	3.3	3.4	9.4 4.4	7.8 10.9	7.6 16.2	10	6.4	7.1 7.3	11.9	10.3	5.7
	41	22	3.4	3.8	10.5	8.2	10.5	15 22	6.3	6.5	8.1 9.4	9.5 8.0	8.9 3.0
	42	14	3.4	6.6	13.9	9.8	7.8	16	7.7	9.5	19.0	15.0	11.0
	43	28	3.3	4.0	7.4	6.3	6.9	27	6.3	7.3	11.2	11.4	8.5
	44	32	3.3	3.8	5.2	5.6	4.4	33	6.2	7.4	9.8	8.2	2.8
	45	8	3.7	3.9	8.6	6.5	4.1	8	6.4	9.6	13.6	12.2	7.5
	46	27	3.3	3.8	5.5	6.5	6.6	17	5.8	6.4	10.7	10.0	9.1
	47	56	3.6	4.0	4.9	5.4	3.5	62	5.9	6.9	8.3	8.7	7.0
	48	58 56	3.7	4.2	7.7	6.4	4.4	47	5.7	7.1	9.8	8.5	4.1 6.0
	49 50	56 69	3.8	4.2 4.1	5.9 4.7	5.9 5.8	4.0 5.6	47 44	6.1 6.2	7.7 7.0	10.7 8.6	9.8 8.6	6.9 5.5
	51	52	3.6	3.9	4.7	5.0	3.3	55	6.1	7.0	9.1	8.3	3.7
	52	51	3.5	4.0	6.8	5.8	3.8	49	6.0	7.3	9.2	8.8	5.6
	53	32	3.3	3.8	4.2	5.0	3.4	26	5.8	6.9	8.4	7.9	4.1

L	56		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
〗	le P	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
Time (	Time	ŝ	25th	50th	75th	Avg.	Dev.	ŝ	25th	50th	75th	Avg.	Dev.
Υ	2014	524	2.3	2.6	3.0	4.1	4.7	460	4.0	4.8	6.2	6.3	4.8
	Jan	1	6.2	6.2	6.2	6.2	0.0	1	5.9	5.9	5.9	5.9	0.0
	Feb	0	-	-	-	-	-	1	5.1	5.1	5.1	5.1	0.0
	Mar	10	3.1	6.6	16.2	11.1	10.0	8	5.3	6.2	9.6	8.8	5.8
	Apr	0	-	-	-	-	-	2	3.9	4.4	4.9	4.4	1.0
اء	May	4	2.8	3.0	3.2	3.1	0.4	4	4.4	6.0	14.0	12.3	12.7
Month	Jun Jul	8	2.3	2.4	2.6 11.1	2.5 10.5	0.3 13.7	7 6	5.7 5.8	6.2	7.6 7.0	7.3 6.9	3.0 2.1
≥	Aug	12	2.5	2.9	3.9	5.6	6.2	8	4.4	5.6	7.5	8.6	7.8
	Sep	12	2.2	2.4	2.9	5.6	7.2	13	6.2	8.7	21.9	13.2	9.3
	Oct	58	2.2	2.4	3.0	4.7	5.3	48	4.4	4.8	5.8	7.1	6.8
	Nov	151	2.3	2.6	3.0	3.2	1.8	140	4.0	4.7	6.4	5.9	3.9
	Dec	260	2.3	2.6	2.9	4.0	4.4	222	3.9	4.7	5.8	5.7	3.5
	1	0	-	-	-	-	-	0	-	-	-	-	-
	2	0	-	-	-		-	1	5.9	5.9	5.9	5.9	0.0
	3	1	6.2	6.2	6.2	6.2	0.0	0	-	-	-	-	-
	4 5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0		-	-		
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	1	5.1	5.1	5.1	5.1	0.0
	9	0	-	-	-	_		0	-	-	-	-	_
	10	9	3.1	9.2	18.2	11.9	10.2	0	-	-	-	-	-
	11	1	3.2	3.2	3.2	3.2	0.0	4	6.2	8.0	9.6	7.8	1.9
	12	0	-	-	-	-	-	1	23.3	23.3	23.3	23.3	0.0
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	3	4.9	4.9	5.4	5.2	0.5
	15 16	0	-	-	-	-	-	1	3.4 5.4	3.4 5.4	3.4 5.4	3.4 5.4	0.0
	17	0	-	-	-		-	0	-	-	-	5.4	0.0
	18	0	-	-	-	_	-	0	-	-	-	-	_
	19	2	2.7	2.8	3.0	2.8	0.3	2	14.0	20.7	27.4	20.7	13.5
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	1	3.7	3.7	3.7	3.7	0.0	1	3.1	3.1	3.1	3.1	0.0
	22	1	2.9	2.9	2.9	2.9	0.0	1	4.8	4.8	4.8	4.8	0.0
	23	0	-	-	-	-	-	1	6.7	6.7	6.7	6.7	0.0
	24	1	2.5	2.5	2.5	2.5	0.0	1	4.4	4.4	4.4	4.4	0.0
	25 26	7	2.3	2.3	2.6	2.5	0.3	0 5	5.8	6.2	8.6	8.1	3.2
Week	27	1	3.6	3.6	3.6	3.6	0.0	1	4.7	4.7	4.7	4.7	0.0
≷ا	28	0	-	-	-	-	-	1	11.3	11.3	11.3	11.3	0.0
	29	0	-	-	-	-	-	0	-	-	-	-	-
	30	7	2.1	2.7	18.2	11.5	14.4	4	5.9	6.3	6.7	6.4	0.6
	31	0	-	-	-	-	-	0	-	-	-	-	-
	32	5	2.6	3.9	17.2	9.5	8.2	1	3.7	3.7	3.7	3.7	0.0
	33	1	3.2	3.2	3.2	3.2	0.0	0	-	-	-	-	-
	34	0	2.5	27	2.0	20	- 0.6	7	- 4.0	- 50	- 80	- 0.3	- 0 1
	35 36	6 1	2.5	2.7	2.9	2.8	0.6	7 4	4.9 6.4	5.9 8.5	8.9 14.4	9.3	8.1
	37	4	2.2	2.4	2.5	2.3	0.0	3	5.3	5.9	19.5	14.5	13.1
	38	6	2.3	2.5	15.3	8.7	9.2	5	8.5	8.7	8.7	10.8	5.6
	39	1	3.3	3.3	3.3	3.3	0.0	1	25.6	25.6	25.6	25.6	0.0
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41	15	2.2	2.4	3.0	4.3	4.0	13	4.5	4.7	5.7	6.5	5.7
	42	1	6.2	6.2	6.2	6.2	0.0	1	35.3	35.3	35.3	35.3	0.0
	43	18	2.0	2.3	2.7	4.3	5.5	12	4.4	5.3	6.5	7.9	7.7
	44 45	24 1	2.2	2.4 3.4	5.3	5.1	5.9	22	4.2	4.6	5.7	5.7	3.4
	46	23	3.4 2.3	2.6	3.4	3.4	0.0 1.3	0 15	4.5	5.2	6.4	7.4	7.6
	46	55	2.3	2.6	3.0	3.1	1.7	63	4.0	4.6	6.0	5.5	3.3
	48	62	2.3	2.7	3.0	3.3	2.0	48	3.9	4.7	6.9	6.2	3.3
	49	57	2.4	2.6	2.8	3.3	2.1	47	4.0	4.7	5.5	4.9	1.4
	50	76	2.3	2.6	3.2	4.9	5.9	50	3.9	4.6	6.1	5.3	2.2
	51	51	2.4	2.6	2.8	3.2	2.2	60	3.6	4.5	5.5	5.0	2.7
	52	51	2.3	2.7	3.0	4.5	5.6	50	4.0	5.0	7.4	7.3	5.8
	53	35	2.2	2.5	2.9	3.1	1.9	29	3.7	4.5	5.8	5.4	2.3

L	57		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
<u>و</u>	e P	T T	Р	ercenti	le		Std.	ţ	Р	ercentil	е		Std.
Time (	Time	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	499	1.9	2.1	2.3	2.9	3.2	452	3.4	4.2	5.2	4.7	2.3
	Jan	0	-	-	-	-	-	0	-	-	-	-	-
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	1	8.3	8.3	8.3	8.3	0.0	1	6.4	6.4	6.4	6.4	0.0
	Apr	0	-	-	-	-	-	0	-	-	-	-	-
₽	May Jun	3 6	2.3	2.4	2.6	2.4	0.2	1	6.8	6.8	6.8	6.8	0.0
Month	Jul	2	2.2	2.3	2.3	2.3	0.1	0	-	-	-	-	-
-	Aug	3	2.2	2.7	3.2	2.8	0.8	5	3.8	4.7	4.7	7.7	7.0
	Sep	1	2.5	2.5	2.5	2.5	0.0	4	4.8	5.8	6.7	5.7	1.3
	Oct	53	1.7	2.0	2.3	2.9	3.2	51	3.3	4.0	4.7	4.6	2.3
	Nov	160	1.9	2.1	2.3	2.5	1.7	152	3.5	4.3	5.6	4.9	2.3
_	Dec	270	1.9	2.1	2.3	3.1	3.8	238	3.3	4.2	5.1	4.6	2.0
	2	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-		-
	4	0	-	-	-	-	-	0	-	_	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	0	-	-	-	-	-	0	-	-	-	-	-
	10 11	0	8.3	8.3	8.3	8.3	0.0	0 1	6.4	6.4	6.4	6.4	0.0
	12	0		-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	0	-	-	-	-	-	0	-	-	-	1	
	15	0	-	-	-	-	-	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18 19	1	2.2	2.2	2.2	2.2	0.0	0	-	-	-	-	-
	20	0		-	-	-	- 0.0	0			<del></del>		
	21	1	2.8	2.8	2.8	2.8	0.0	0	-	-	-	-	-
	22	1	2.4	2.4	2.4	2.4	0.0	0	-	-	-	1	
	23	0	-	-	-	-	-	0	-	-	-	-	-
	24	2	2.0	2.0	2.1	2.0	0.0	0	-	-	-	-	-
	25	0	-	-	-	-	-	0	-	-	-	-	-
Week	26	4	2.0	2.0	2.1	2.0	0.1	1	6.8	6.8	6.8	6.8	0.0
ة  ≷	27 28	2	2.2	2.3	2.3	2.3	0.2	0	-	-	-	-	-
	29	0	-	-	-	-	-	0	-	-	-	-	
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	0	-	-	-	-	-	0	-	-	-	-	-
	32	0	-	-		-	-	0	-	-	-	-	-
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34	0	-	- 27	- 20	- 20	-	0	- 20	- 17	- 17	- 77	- 70
	35 36	0	2.2	2.7	3.2	2.8	0.8	5 1	3.8 7.2	4.7 7.2	4.7 7.2	7.7 7.2	7.0
	37	1	2.5	2.5	2.5	2.5	0.0	2	5.5	5.8	6.2	5.8	0.0
	38	0	-	-	-	-	-	1	3.9	3.9	3.9	3.9	0.0
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	-	-	-	-	-
	41	13	1.8	2.0	4.8	5.0	5.8	14	3.3	3.7	4.1	4.5	3.0
	42	1	2.0	2.0	2.0	2.0	0.0	1	3.4	3.4	3.4	3.4	0.0
	43	12	1.7	1.9	2.1	2.3	1.2	8	3.6	4.3	7.1	5.6	2.9
	44 45	27 0	1.8	2.0	2.3	2.2	0.7	28 0	3.4	4.1	4.8	4.4	1.6
	46	23	2.0	2.2	2.3	3.0	3.0	21	3.5	4.2	6.0	5.1	1.9
	47	64	1.9	2.1	2.3	2.4	1.1	67	3.4	4.2	5.4	5.1	3.0
	48	65	1.9	2.1	2.3	2.6	1.7	53	3.6	4.3	5.4	4.6	1.4
	49	56	2.0	2.2	2.3	2.8	1.9	45	3.2	3.8	4.8	4.3	1.8
	50	74	1.9	2.1	2.3	4.0	6.0	51	3.6	4.5	5.3	4.9	2.0
	51	54	2.0	2.2	2.3	2.9	2.0	65	3.3	4.1	4.9	4.6	2.4
	52	57	1.9	2.1	2.3	3.0	3.6	59	3.7	4.2	5.2	4.7	1.8
	53	37	1.8	1.8	2.2	2.2	1.2	29	3.3	3.8	4.9	4.2	1.3

	58		Dov	vnstrea	m Dire	ction		Upstream Direction Travel Time Estimate (hou					
ij				vel Tim			ur)			•			ır)
Unit	Pd.	i,		ercenti		uto (iio		¥		ercentil		luto (not	
Time I	Time	Count				_	Std.	Count					Std.
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	489 0	5.5	6.2	7.2	9.4	10.8	455 0	10.5	13.1	17.8	18.0	14.5
	Feb	0	-	-	-	-	-	0	-	-	-	-	-
	Mar	11	6.4	6.6	23.9	17.6	17.9	9	14.8	47.0	65.3	41.4	26.1
	Apr	0	-	-	-	-	-	1	16.3	16.3	16.3	16.3	0.0
ч	May	5	8.9	40.6	49.7	31.7	20.0	8	14.1	17.2	27.4	25.3	18.8
Month	Jun	8	5.4	5.7	6.7	15.3	24.9	5	15.6	20.1	49.7	31.3	20.5
Σ	Jul Aug	7 14	12.9 6.1	47.6 6.6	68.7	43.2 10.8	31.4 11.2	10	18.8 23.9	54.5 40.3	74.9 50.4	49.9 39.0	28.7
	Sep	0	-	-	-	-	-	2	29.6	38.3	46.9	38.3	17.3
	Oct	32	5.4	5.9	18.2	16.0	17.8	41	10.6	13.1	17.6	19.0	16.4
	Nov	147	5.7	6.2	7.5	7.8	5.7	142	10.5	12.5	15.8	15.3	10.1
	Dec	265	5.4	6.0	6.8	7.6	5.9	225	10.3	12.3	16.1	15.4	9.4
	1	0	-	-	-	-	-	0	-	-	-	-	-
	3	0	-	-	-	-	-	0	-	-	-	-	-
	4	0	-	-	-	-	-	0	-	-	-	-	-
	5	0	-	-	-	-	-	0	-	-	-	-	-
	6	0	-	-	-	-	-	0	-	-	-	-	-
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	0 4	6.5	7.9	19.4	18.0	18.4	6	24.9	56.1	68.9	48.2	24.2
	11	3	6.3	6.3	6.4	6.3	0.1	1	61.9	61.9	61.9	61.9	0.0
	12	1	6.4	6.4	6.4	6.4	0.0	1	8.4	8.4	8.4	8.4	0.0
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14	3	22.8	38.5	44.7	32.2	18.4	1	13.1	13.1	13.1	13.1	0.0
	15 16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	1	16.3	16.3	16.3	16.3	0.0
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	2	50.5	51.2	52.0	51.2	1.5	2	10.6	12.2	13.8	12.2	3.1
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	1	6.4	6.4	6.4	6.4	0.0	4	17.8	32.4	51.2	36.6	20.7
	22	0	16.8	24.8	32.7	24.8	15.8	0	13.0	15.7	18.4	15.7	5.5
	24	2	5.7	6.2	6.6	6.2	0.9	1	61.5	61.5	61.5	61.5	0.0
	25	0					-	3	17.8	20.1	34.9	28.5	15.2
¥	26	5	5.5	5.9	6.6	20.9	30.1	1	9.4	9.4	9.4	9.4	0.0
Week	27	2	6.6	7.8	9.0	7.8	2.4	2	40.3	55.8	71.3	55.8	31.0
	28 29	1	52.7 15.7	52.7 15.7	52.7 15.7	52.7 15.7	0.0	3	49.3 68.8	49.3 77.9	49.3 83.3	49.3 75.4	0.0 11.9
	30	4	37.1	66.1	84.9	55.9	32.8	4	14.8	15.9	29.0	27.9	21.9
	31	0				•	-	0	-	-	-	-	-
	32	4	6.3	6.6	6.6	6.3	0.5	1	34.3	34.3	34.3	34.3	0.0
	33	0	-	-	-	-	-	0	-	-	-	-	-
	34 35	9	6.8 6.1	6.8	6.8 7.7	6.8 13.3	0.0 13.4	7	11.5 36.0	20.2 50.0	33.6 54.4	25.0 47.7	16.0 19.8
	36	0	-	-	-	-	-	2	29.6	38.3	46.9	38.3	17.3
	37	0	-	-	-	-	-	0	-	-	-	-	
	38	0	-	-	-	-	-	0	-	-	-	-	-
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	- E 4	-	-	0	- 0.4	- 10.0	- 12.0	- 10.6	- 4.2
	41 42	3	5.2	5.4	5.4	5.3	0.2	11	9.4 64.4	10.8 64.4	13.8 64.4	12.6 64.4	4.3 0.0
	43	10	5.2	5.5	14.9	14.1	17.9	7	20.0	22.2	48.9	37.0	23.4
	44	19	5.6	7.1	27.5	18.6	18.4	22	10.0	12.3	15.3	14.4	9.0
	45	0	-	-	-	-	-	0	-	-	-	-	-
	46	16	5.8	6.6	8.9	11.3	11.6	20	11.5	15.4	18.4	23.0	19.7
	47	62	5.7	6.2	6.8	7.0	3.1	63	10.5	11.8	13.9	13.5	7.0
	48 49	60 58	5.6 5.7	6.3	7.7 7.1	9.3	5.5 8.5	50 48	10.5 10.5	13.2 13.5	17.5 19.0	14.2 19.4	5.5 15.3
	50	75	5.5	6.0	6.7	8.0	7.4	46	12.1	15.3	25.4	19.4	9.5
	51	47	5.7	6.2	7.1	7.0	2.5	61	9.7	11.7	14.2	13.2	5.8
	52	56	5.4	6.0	6.8	6.5	2.3	54	11.1	12.6	14.8	13.1	3.1
	53	38	5.0	5.3	6.4	6.0	1.8	25	10.3	10.7	12.0	11.2	2.0

L	59		Dov	vnstrea	m Dire	ction			ι	Jpstrear	n Direct	ion	
Unit	Pd.		Tra	vel Tim	e Estim	ate (ho	ur)		Tr	avel Tin	ne Estim	ate (hou	ır)
Time L	ле Р	Count	P	ercenti	le		Std.	Count	P	ercentil	е		Std.
盲	Time	၀၁	25th	50th	75th	Avg.	Dev.	ပိ	25th	50th	75th	Avg.	Dev.
Υ	2014	2093	5.1	5.9	7.1	10.1	13.7	2125	10.5	12.9	16.1	15.4	10.3
	Jan	194	6.4	7.4	11.9	13.5	15.5	220	9.8	12.5	16.9	15.8	11.3
	Feb	146	6.4	7.3	12.3	13.5	15.9	161	10.8	13.9	18.4	16.2	9.6
	Mar	211	5.7	6.3	8.6	10.2	11.8	218	10.3	13.1	16.0	14.7	9.0
	Apr May	167 210	4.9 4.9	5.5 5.3	6.3 5.9	9.7 10.1	14.7 16.3	183 215	10.6 10.2	12.9 12.2	16.1 15.0	16.6 13.7	13.7 7.2
튀	Jun	208	4.8	5.3	5.7	9.8	15.4	206	11.5	13.7	17.6	17.0	11.4
Month	Jul	200	4.4	4.8	5.4	8.6	14.2	226	11.8	14.0	17.6	16.0	7.9
_	Aug	202	5.5	6.2	7.8	12.9	17.6	207	10.3	12.4	15.5	14.6	9.9
	Sep	23	4.8	5.4	6.7	8.8	10.8	9	13.5	15.0	15.9	14.7	2.2
	Oct	31	5.0	5.4	6.4	6.5	2.7	36	15.2	24.5	56.6	34.3	22.1
	Nov	204	5.4	6.3	6.8	8.7	10.2	194	10.3	12.5	15.1	13.9	7.6
_	Dec 1	297	5.3 6.9	6.0 7.5	6.7 8.4	6.9 11.4	4.1 9.1	250 37	9.9 9.1	11.7 10.8	14.2 13.8	13.2 13.0	6.7 7.8
	2	28	6.8	7.7	9.8	12.8	13.0	35	9.1	13.5	18.7	16.8	10.3
	3	46	6.2	7.0	9.4	13.3	16.5	60	10.0	12.9	18.2	17.0	14.2
	4	53	6.3	7.0	8.7	12.7	15.6	46	8.7	10.8	12.9	12.9	10.4
	5	48	6.3	9.0	17.8	17.3	19.1	43	12.5	15.2	21.6	18.9	9.6
	6	30	7.2	10.6	17.8	16.4	16.3	28	14.9	19.0	23.2	20.8	7.5
	7	30	7.3	8.8	22.7	20.1	22.0	39	10.7	12.4	16.9	15.1	8.9
	9	39 50	6.8 5.4	7.3 6.2	8.6 6.7	11.8 7.5	12.9 4.6	50 48	9.2	14.7 10.5	18.4	16.6	9.1
	10	48	6.0	6.9	9.9	10.4	9.9	40	8.6	11.3	13.6 13.0	13.2 12.1	5.0
	11	47	5.9	6.4	8.0	13.5	18.4	69	10.0	13.8	17.9	16.3	12.2
	12	39	5.5	6.2	8.4	8.6	7.3	45	10.3	12.3	15.3	14.9	10.6
	13	54	5.3	6.2	9.2	9.6	9.8	47	12.7	14.9	17.0	15.2	4.0
	14	51	4.8	5.6	6.1	8.4	11.9	49	12.3	14.7	17.1	15.6	5.6
	15	14	5.5	6.0	12.9	21.5	28.2	17	11.3	13.4	17.7	27.1	25.9
	16	31	5.4	5.7	6.8	8.0	8.7	46	10.2	11.7	13.9	14.4	10.7
	17 18	60 51	4.9 5.0	5.3 5.4	5.9 6.0	8.3 8.7	13.0 11.8	51 59	10.4	13.0 12.6	15.5 15.5	15.1 16.3	10.9
	19	64	5.1	5.4	6.0	12.0	19.4	57	9.8	12.6	15.3	13.5	6.0
	20	45	5.1	5.4	6.1	11.9	17.8	51	10.7	11.9	15.0	13.0	3.7
	21	34	5.0	5.3	5.7	7.3	11.0	34	10.5	12.1	14.3	12.7	3.5
	22	43	4.6	5.3	5.7	8.6	14.2	45	10.3	12.4	15.0	14.7	10.7
	23	52	4.9	5.5	5.9	11.0	16.0	50	11.8	13.2	16.1	15.4	7.8
	24	51	4.6	5.0	5.5	5.4	2.4	47	11.9	14.4	19.5	17.5	10.3
	25 26	53 40	4.7	5.3 5.1	5.8 5.4	13.1 8.9	20.5 15.0	59 40	11.5 11.3	13.7 13.4	17.6 15.7	16.5 17.2	10.7 13.8
Week	27	35	4.5	4.9	5.5	9.4	15.2	43	11.3	12.6	17.2	16.3	10.7
≥	28	50	4.3	4.6	4.8	11.2	17.7	56	12.8	15.5	19.7	17.9	8.9
	29	44	4.3	4.5	5.0	8.9	14.5	61	11.7	14.3	16.4	16.5	10.1
	30	53	4.7	5.0	5.4	6.7	9.9	43	12.0	13.9	18.0	15.6	5.9
	31	41	5.1	5.7	6.4	10.2	15.3	40	10.6	13.1	14.9	14.1	5.9
	32	47	5.4	6.0	7.0	10.7	12.5	48	9.9	12.4	15.1	14.8	10.5
	33	40	5.6 5.7	6.6	10.4 7.4	18.2 13.0	23.7 18.6	39 48	10.1 11.8	11.6 13.2	14.6 16.5	14.6 17.0	11.7 13.0
	35	53	5.3	6.1	6.5	9.4	13.2	56	10.5	12.3	15.2	13.2	4.1
	36	22	5.4	6.1	8.8	12.3	14.7	17	10.7	12.3	15.0	13.1	2.5
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	8	4.4	4.7	5.0	5.8	3.1	1	15.9	15.9	15.9	15.9	0.0
	39	0	-	-	-	-	-	0	-	-	-	-	-
	40	0	-	-	-	-	-	0	- 47.0	- 00.7	-	- 04.4	-
	41 42	5	5.2	5.3	5.8	6.6	3.1	3 6	17.8 20.3	20.7 25.0	24.2 49.8	21.1 32.9	5.2 18.0
	43	13	4.9	5.3	5.4	6.0	2.4	5	14.8	40.9	58.1	40.9	26.2
	44	13	5.3	6.1	6.6	6.9	2.7	22	15.3	26.4	56.8	35.0	22.7
	45	13	5.1	6.4	6.9	10.0	12.0	14	10.5	12.0	15.4	12.7	3.2
	46	54	5.3	6.2	6.8	8.8	9.3	52	10.0	12.0	14.7	14.0	9.8
	47	66	5.7	6.3	7.0	9.4	12.2	66	10.1	11.7	14.8	12.7	4.1
	48	62	5.4	6.3	6.8	7.9	8.7	58	10.7	13.2	15.5	15.5	9.0
	49	57	5.6	5.9	6.3	7.2	5.5	50	9.7	13.3	18.3	17.7	12.7
	50	87 54	5.3	6.0	6.7	6.3 g 1	2.0	48 62	9.8	11.6	14.3	12.2	3.4
	51 52	54 67	5.7 5.2	6.2 5.7	6.9 6.7	8.1 6.3	5.7 1.7	62 66	9.5 10.5	11.0 12.7	12.8 14.4	11.5 12.7	3.0
	53	41	5.0	5.7	6.3	7.1	4.5	28	9.8	11.3	12.4	11.4	2.9

## **Appendix D: Illinois River Additional Results**

Below are the summary tables for each link. Each table contains the following estimates for a link: number of transits (labeled "count"), 25th, 50th, and 75th percentile travel times, average travel time, and standard deviation of travel time. The tables provide the results by direction of travel. In addition, the tables provide the results by the following time periods: annual, monthly, and weekly. This disaggregation is to support future studies that may want to consider different factors, such as water level, that affect travel time. Note, the tables label the weeks by number, and Table 22 in Appendix B provides the corresponding dates for each week number for both 2013 and 2014. Note, the study did not add table captions in the interest of space. Each table contains its link number in the first row of the table. The study provides the tables in link order from 1 through 56. Results for 2013 are provided first for all links, and then results for 2014 are provided for all links.

**Travel Time Estimate Results by Link, 2013** 

L	1		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	.)
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	802	3.0	4.2	6.0	5.8	7.1 5.9	834	3.2	4.6	6.2	6.0	7.2 8.9
	Jan Feb	52 15	2.9 3.0	3.3 4.2	4.9 5.4	5.3 4.9	3.1	57 15	2.9	4.0 3.1	5.5 4.0	6.3 4.1	2.5
	Mar	70	2.8	3.8	4.8	4.9	4.1	75	3.3	4.8	6.2	5.6	4.7
	Apr	46	2.3	2.9	4.4	4.0	4.4	50	2.6	4.2	5.5	4.9	3.9
ے	May	68	2.8	4.2	6.6	6.9	10.2	65	3.0	4.2	6.3	5.9	7.4
Month	Jun	77	2.8	4.2	6.4	5.7	7.4 4.7	80	3.6	4.8	6.5	6.4	6.7 10.9
2	Jul Aug	84 78	3.0 3.5	4.3 4.8	5.4 7.0	5.0 8.2	11.0	88 79	3.3	4.5 4.9	6.3 6.5	7.3 7.5	11.0
	Sep	80	3.1	3.9	5.1	4.5	2.0	83	3.2	4.6	6.2	5.1	2.8
	Oct	88	3.3	4.9	7.0	6.3	5.5	92	3.0	4.6	6.1	6.0	7.4
	Nov	74	2.8	3.9	6.1	5.5	6.8	74	3.8	5.1	6.4	5.7	4.2
	Dec	70	3.1	4.3	5.6	6.4	9.3	76	3.1	4.4	5.8	5.0	3.7
	2	5 9	3.4 2.9	3.7 3.1	6.8 3.9	6.2 3.6	4.7 1.0	11 11	2.7 3.0	4.1 3.9	5.5 6.3	4.3 6.4	1.7 6.9
	3	14	3.0	3.4	4.8	4.1	2.0	18	2.9	3.4	5.2	7.2	12.6
	4	15	2.8	3.2	4.3	3.9	1.7	13	3.3	4.7	5.1	6.6	8.5
	5	10	3.1	4.7	17.5	11.0	11.1	10	2.5	3.3	6.7	5.3	3.6
	6	7	2.5	2.9	4.4	3.5	1.3	8	2.6	3.2	3.9	3.7	1.7
	7 8	0 1	9.9	9.9	9.9	9.9	0.0	0	-	-	-	-	-
	9	7	3.8	4.6	5.4	7.3	7.4	8	3.7	6.1	7.0	8.4	8.8
	10	13	3.1	4.5	4.8	5.5	4.3	18	3.2	5.0	5.8	6.0	4.6
	11	6	2.6	3.3	4.1	3.4	1.1	2	10.8	15.4	19.9	15.4	9.1
	12	19	3.1	4.2	5.2	5.1	4.1	24	3.4	5.0	6.6	5.0	1.7
	13 14	26 23	2.8 2.5	3.2	4.3	4.1 3.7	2.4 1.6	21 16	2.9 3.4	3.5 4.2	4.8 6.1	4.2 5.4	2.0 4.3
	15	17	2.3	2.8	3.2	3.0	1.0	22	2.9	4.2	5.1	4.1	1.4
	16	9	2.3	3.3	4.2	3.7	1.6	12	2.4	3.4	4.9	3.9	1.6
	17	2	9.8	17.4	24.9	17.4	15.1	2	7.2	7.2	7.2	7.2	0.0
	18	13	4.2	5.3	7.5	7.9	6.1	4	2.9	3.3	8.6	8.1	8.8
	19	15	3.0	3.9	6.9	6.5	6.2	28	3.8	4.5	5.6	5.6	4.1
	20	5 20	3.5 2.5	3.8 2.9	8.8 4.3	5.5 6.7	3.0 14.8	4 15	7.6 2.7	8.4 3.0	21.4 5.5	20.6 4.5	22.4
	22	16	3.0	4.5	6.1	7.0	9.9	18	3.1	4.4	6.1	4.5	1.7
	23	13	3.0	4.3	5.1	4.9	2.8	14	4.3	5.5	7.7	10.3	11.6
	24	19	2.6	3.4	4.4	4.0	2.2	21	3.5	5.3	6.9	5.4	2.2
	25	25	3.8	6.4	7.7	6.0	2.5	22	4.0	5.0	6.4	5.1	1.5
충	26	16	2.7	3.5 4.2	6.5	8.2 4.5	15.0 1.6	18 22	4.0	4.5	5.5	7.3	8.2
Week	27 28	26 18	3.3 2.8	4.2	5.6 4.6	4.5	2.1	22	2.8 3.6	3.7 4.2	6.2 5.3	6.6 4.4	10.3
	29	22	2.9	3.9	5.1	4.5	2.2	19	3.1	4.0	6.1	6.8	10.7
	30	15	3.6	4.9	5.4	7.6	9.8	20	3.1	4.7	8.2	11.5	16.4
	31	15	3.9	5.0	6.8	5.7	2.8	19	3.5	5.3	6.3	5.4	2.1
	32	22	3.2	4.1	4.7	7.5	13.5	18	3.7	4.6	6.0	7.0	9.4
	33 34	15 17	3.8	4.4 6.0	5.5 6.2	7.8 6.2	12.5 3.6	19 19	4.3 3.3	5.6 4.7	6.2 6.8	5.1 6.4	1.5 5.3
	35	15	5.0	7.2	16.2	13.0	12.3	11	4.9	6.8	7.6	16.9	23.8
	36	23	3.0	3.6	4.8	3.8	1.2	21	2.5	4.2	5.2	4.2	1.8
	37	16	3.0	3.4	4.7	4.0	1.4	21	3.2	3.9	5.8	4.7	2.1
	38	19	3.6	4.8	5.6	4.7	1.4	16	3.4	5.3	6.6	5.3	2.1
	39 40	19 19	3.2 3.2	4.5 4.7	7.0 7.2	5.3 7.0	2.5 6.3	23 17	3.6 2.9	4.8 3.7	8.3 5.7	6.1 7.8	3.9 13.5
	41	24	4.6	4.9	6.1	5.6	2.2	19	4.9	5.9	7.0	6.4	2.4
	42	21	3.7	6.3	8.8	8.1	8.3	22	2.8	3.8	5.5	4.5	2.6
	43	19	2.9	4.0	5.9	4.5	2.1	22	2.8	4.7	5.6	4.8	2.5
	44	12	4.0	4.6	7.3	6.4	4.0	17	3.7	4.7	7.7	8.8	10.8
	45 46	16	3.1	4.5	9.7	9.1	13.2	14	4.0	4.9	6.4	5.2	1.6
	46 47	20 16	2.7	3.3	4.6	4.4 3.6	2.6 1.2	27 10	3.0	5.0 5.3	5.8 6.8	4.9 6.6	2.4 4.3
	48	18	2.7	4.9	6.8	5.3	3.2	20	4.1	5.3	6.3	5.3	1.8
	49	20	3.0	4.2	5.5	4.9	2.5	16	4.0	5.0	5.9	4.9	1.5
	50	14	3.1	4.0	5.2	6.2	6.8	15	3.5	4.5	6.1	5.6	3.0
	51	10	3.1	4.3	4.7	3.9	1.1	13	2.3	4.5	5.8	4.2	1.8
	52 53	21 5	3.4	5.2	6.5	9.7	15.2	26 6	2.9	3.3 6.1	4.4	3.7	1.3
	აა	υ	2.8	4.3	5.7	4.2	1.3	6	5.7	6.1	14.9	11.2	8.9

L	2		Do	wnstrea	m Direc	tion		Upstream Direction Travel Time Estimate (hour)					
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)		1	Fravel Ti	me Estim	ate (houi	·)
me	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	771	2.3	2.8	3.3	3.4	2.5 0.9	782	2.6	3.3	4.4	4.0	2.4 1.4
	Jan Feb	56 10	2.6 2.1	2.8	3.4	3.1 4.7	6.0	56 12	2.5	2.9 3.0	4.1 4.5	3.4	1.4
	Mar	64	2.2	2.6	3.1	3.4	3.2	67	2.5	3.3	4.6	4.0	2.5
	Apr	47	2.1	2.5	2.7	2.6	0.7	50	2.6	3.5	4.5	4.7	4.3
ا ـ ا	May	40	2.2	2.6	3.2	4.6	4.7	54	2.7	3.6	4.5	3.8	1.4
Month	Jun	80	2.1	2.5	3.0	3.1	2.4	78	2.9	3.6	4.5	3.9	1.5
Σ	Jul Aug	84 75	2.3	2.7 3.0	3.1	3.1	1.8 2.1	87 76	2.6	3.1 3.5	4.3 4.4	3.5 4.0	1.5 2.5
	Sep	99	2.2	2.9	3.4	3.5	2.6	85	2.4	3.4	4.5	3.9	2.1
	Oct	90	2.5	2.9	3.5	3.9	2.7	89	2.3	3.2	4.5	3.8	1.9
	Nov	60	2.3	2.9	3.2	3.1	1.5	61	2.4	3.3	4.7	4.2	3.1
	Dec	66	2.5	2.8	3.5	3.6	2.5	67	2.7	3.3	4.6	4.7	3.6
	2	7 10	2.7 2.7	2.8	3.2	3.3	1.4 0.7	11	2.3	2.9	3.5 3.1	3.3	1.3
	3	15	2.7	3.0 2.7	3.4	2.9	0.7	16	2.5	2.8	4.2	3.0	0.9 1.5
	4	16	2.6	2.9	3.3	3.1	0.9	15	2.5	3.6	4.2	3.6	1.4
	5	9	2.5	3.2	3.7	2.9	0.9	9	3.2	4.2	4.7	4.0	1.3
	6	6	2.1	2.7	3.5	5.9	7.4	5	2.2	2.6	2.8	2.9	0.9
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	5	2.7	2.9	5.3	4.6	2.5	7	2.6	3.3	4.6	4.1	1.9
	10	11	2.3	2.4	2.6	2.4	0.5	14	2.6	3.5	4.5	3.9	1.8
	11	3	2.0	2.3	7.8	5.8	5.2	0	-	-	-	-	1
	12	17	2.2	2.9	4.3	4.9	5.0	23	2.3	3.4	4.6	3.8	1.5
	13 14	27	2.3	2.7	2.9 3.1	2.6	0.5 0.7	21 15	2.6	2.8 3.8	3.8 4.1	4.5 3.6	3.7 1.0
	15	18	1.9	2.7	2.6	2.2	0.7	23	2.4	2.9	4.1	3.5	1.6
	16	9	2.2	2.3	2.6	2.5	0.8	10	2.6	3.1	3.9	3.4	1.2
	17	2	2.7	3.0	3.4	3.0	0.6	4	6.0	13.2	20.2	13.0	7.9
	18	3	5.3	7.4	8.0	6.4	2.4	4	2.6	3.3	8.1	7.4	7.7
	19 20	9	2.8	13.1	14.8	10.8	6.3	22 0	3.1	3.8	4.5	3.8	1.1
	21	20	2.0	2.3	2.6	2.3	0.5	15	2.7	3.3	4.3	3.8	1.8
	22	8	2.3	2.8	3.1	2.8	0.6	17	2.6	3.6	4.4	3.8	1.4
	23	12	2.3	2.7	5.3	5.2	4.7	11	2.9	3.4	4.0	3.5	1.0
	24	21	1.9	2.3	2.8	2.8	1.6	22	2.9	3.7	4.4	3.9	1.6
	25 26	24 18	2.3	2.6	3.1	2.8	0.8 1.8	23 15	3.2	3.8 4.0	4.8 4.6	4.1	1.6
Week	27	24	2.2	2.5	2.8	2.7	1.1	24	2.6	3.3	4.5	3.6	1.5
>	28	22	2.3	2.6	2.8	3.0	1.7	22	2.4	3.1	4.0	3.4	1.5
	29	21	2.3	2.7	3.3	3.5	2.7	21	2.7	3.2	4.2	3.7	1.5
	30	15 13	2.7	2.9 3.1	3.1	2.9 3.3	0.4	17 18	2.7 3.0	2.9 3.5	3.6 4.1	3.2	0.9
	31	13	2.8	2.8	3.4	3.3	1.5	18 15	2.7	3.5	4.1	3.9	1.4
	33	15	2.9	3.2	4.0	4.2	2.4	19	2.5	3.3	4.1	3.4	1.1
	34	18	2.6	3.1	3.5	3.6	2.1	17	2.9	3.4	4.0	4.1	2.2
	35	17	2.3	2.6	3.2	3.3	2.4	14	3.3	4.5	4.8	5.2	4.6
	36	26 23	2.5 2.1	2.9 2.9	3.3	3.5	2.7	21	2.2	3.3	4.0	3.2	1.1
	37 38	23	2.1	2.9	3.4	3.4	2.4	17	2.4	3.3	4.3 4.9	3.6	1.6
	39	23	2.2	3.0	3.6	3.8	2.8	23	2.7	3.5	4.8	4.1	1.9
	40	21	2.6	2.8	4.6	3.5	1.7	18	3.0	4.0	7.3	5.3	3.4
	41	25	2.6	2.9	3.5	4.2	3.5	17	2.2	3.2	5.3	3.9	1.9
	42 43	23 17	2.5 2.4	3.1 2.8	3.3 4.0	3.6 4.1	1.9 3.0	24	2.3	2.9	4.0	3.3	1.3
	43	16	2.4	2.8	3.6	3.5	2.1	13	3.0	4.0	3.9 6.3	4.9	2.4
	45	15	2.3	3.0	3.2	3.3	1.8	13	3.0	3.9	4.7	5.0	4.1
	46	23	2.3	2.7	3.1	2.7	0.7	29	2.3	2.7	3.6	3.5	1.9
	47	7	2.7	2.9	3.2	3.0	0.6	4	2.9	5.1	9.6	7.5	6.2
	48	9	2.3	2.7	3.5	3.8	2.6	13	2.6	4.4	4.8	4.0	1.6
	49 50	17 15	2.6 2.4	3.2 2.8	4.5 3.3	4.0	2.2 4.3	13 14	2.9 3.4	3.3 4.5	4.1 10.1	3.5 6.9	0.8 4.6
	51	8	2.6	2.9	3.3	3.1	0.7	12	2.6	3.4	4.7	3.9	1.6
	52	18	2.7	2.8	3.2	3.0	0.8	23	2.4	3.1	3.9	3.6	1.8
Ш	53	8	2.4	2.6	3.1	2.8	0.6	5	3.3	4.2	10.0	8.6	7.3

L	3		Do	wnstrea	m Direc	tion		Upstream Direction  Travel Time Estimate (hour)					
Jnit	Pd.			ravel Tir			ır)		1				.)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	ı	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	841 68	3.4	5.1 4.4	7.1 6.2	6.6	7.0 10.1	842 69	4.2 3.6	5.9 4.6	8.1 5.9	7.7 5.5	7.6
	Feb	12	3.1	3.7	7.2	6.8	6.1	16	3.7	4.7	6.0	8.8	11.5
	Mar	68	3.5	5.1	9.0	8.1	8.2	63	4.9	6.6	9.0	9.9	11.8
	Apr	46	2.7	3.5	5.1	4.0	1.9	50	3.2	4.1	6.4	5.0	2.3
ţ.	May Jun	68 86	3.6 3.7	4.7 5.3	7.0 7.5	6.3 7.3	6.8 8.1	74 81	4.5 4.7	7.1 6.5	10.6 8.6	9.8	9.6
Month	Jul	86	3.6	5.2	6.8	5.6	2.7	92	4.4	6.1	7.6	6.8	5.2
	Aug	80	3.8	5.1	6.8	6.3	6.2	76	4.2	6.0	7.5	6.8	5.8
	Sep Oct	97 93	3.3 4.1	5.1 5.2	7.4 6.6	6.8 5.8	7.4 2.7	87 92	3.8 4.1	5.5 6.1	7.8 8.4	6.7 6.7	4.5 3.5
	Nov	68	3.6	5.9	9.1	7.8	7.2	68	5.1	6.7	10.3	8.8	6.2
	Dec	69	3.8	4.7	6.8	7.6	9.6	74	4.4	6.0	8.1	8.9	10.8
	2	7 19	3.2	4.1 4.8	7.8 6.3	12.2 8.0	18.3 14.1	12 16	3.7	4.6 4.1	5.4 5.2	4.5 4.6	1.3
	3	14	3.1	4.6	5.8	4.6	1.5	19	3.9	5.6	6.5	5.9	3.0
	4	18	3.6	4.4	7.3	6.4	4.8	15	4.4	5.4	6.3	6.7	5.4
	5	14 5	2.8	3.1	4.9	4.1	2.6	13	3.0	3.8 4.9	4.2	4.9	4.2
	6 7	0	3.1	3.7	5.7	7.9	8.1	7	3.9	4.9	19.2	14.1	15.9
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9	5	4.8	5.1	5.3	6.0	2.9	8	5.2	5.3	5.9	5.5	0.8
	10	8	6.0	8.4	10.5	10.9	9.2	14 0	5.0	6.2	7.1	12.7	17.5
	12	27	5.3	8.8	12.3	11.8	10.4	20	8.1	11.0	14.4	14.4	12.8
	13	27	3.3	4.3	5.2	4.5	1.9	23	4.2	4.9	6.9	5.5	1.9
	14 15	21 19	2.9	4.2 3.5	5.6 4.7	4.6 3.8	2.3 1.3	13 23	4.1 2.8	5.6 4.0	10.7 4.9	6.7 4.1	3.0 1.4
	16	10	2.5	2.8	3.5	3.2	1.0	15	3.1	4.0	6.5	4.1	1.7
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	3	2.2	2.3	4.2	3.4	1.8	7	8.4	10.7	28.5	22.5	21.9
	19 20	38 0	4.1	5.3	7.0	7.5	8.6	36 2	4.8 16.6	7.2 21.7	12.6 26.7	9.6 21.7	6.0 10.1
	21	19	2.8	3.6	7.2	4.7	2.3	17	3.8	6.7	8.9	6.5	2.5
	22	9	3.7	4.4	5.1	4.8	2.1	13	3.5	5.8	7.0	5.5	2.0
	23 24	16 23	4.9 4.2	7.4 4.9	9.3	10.1 5.8	10.7 3.4	14 27	7.3 5.5	8.3 6.6	20.1 9.5	15.9 9.5	15.8 9.0
	25	22	3.6	5.2	7.1	5.3	1.8	20	4.9	6.3	7.2	6.2	1.5
¥	26	20	3.2	4.8	6.8	9.2	12.4	16	4.5	5.2	6.5	8.5	11.0
Week	27 28	25 23	3.8 4.5	5.1 6.6	7.1 8.0	5.4 7.0	2.0 3.6	26 23	3.7 4.9	5.0 6.3	6.7 8.3	5.5 6.6	2.1
	29	21	3.2	5.0	5.5	4.6	1.5	20	4.1	5.9	7.4	7.8	8.8
	30	13	3.8	5.1	8.3	5.9	2.8	18	4.4	6.5	7.2	7.3	5.8
	31 32	14 24	3.9 3.7	5.3 4.3	5.5 6.5	4.8 5.0	1.0 1.9	18 21	4.8	7.2	7.6 7.2	6.4	1.8 10.2
	33	17	3.6	4.3	7.1	7.1	8.0	15	5.0 5.1	5.7 7.7	9.6	8.2 7.5	2.5
	34	16	4.2	5.6	7.3	8.0	9.8	16	3.1	5.7	7.1	5.6	2.6
	35	17	3.9	5.1	7.4	6.3	3.8	14	4.3	5.9	6.6	5.7	1.5
	36 37	24 21	3.2 3.4	5.1 6.2	8.7 8.7	6.8 9.8	4.7 13.8	21	3.8	4.4 5.5	5.7 7.3	5.7 6.1	3.5 3.5
	38	23	3.5	5.4	7.3	6.1	4.0	17	5.3	7.4	9.5	7.4	3.2
	39	23	3.3	4.6	5.8	5.3	2.8	23	4.1	5.5	9.0	7.6	6.6
	40	20 26	3.3 4.6	4.0 5.6	5.8 6.7	4.8 6.5	2.2 3.3	19 17	4.0 6.2	4.4 8.8	7.8 10.2	5.6 9.2	2.5 3.8
	42	23	4.3	5.8	7.3	6.2	2.8	23	3.3	5.5	9.1	6.6	3.8
	43	20	3.5	5.2	5.9	5.1	2.0	24	3.8	5.8	7.6	6.2	3.0
	44 45	18 17	4.6 3.3	5.3 4.9	6.4 8.6	5.6 7.1	1.8 5.7	14 19	5.0 4.6	6.4	7.7 7.6	6.4 7.8	1.9 5.9
	46	25	3.6	5.9	9.1	6.3	3.2	29	5.0	6.7	7.8	8.1	6.7
	47	4	4.6	6.1	7.7	6.2	2.8	4	5.6	8.7	12.2	9.0	5.1
	48	14	6.5	8.3	12.2	13.1	12.5	14	7.3	12.0	17.3	12.1	5.4
	49 50	21 15	3.5 5.0	4.2 6.9	6.0 13.1	4.8 10.7	1.7 9.1	19 13	5.3 5.7	6.4 7.0	10.3 14.3	7.7 12.1	3.2 11.0
	51	7	3.0	3.9	6.5	4.8	1.9	11	4.5	5.8	8.9	14.6	19.7
	52	19	4.1	4.7	6.3	10.7	15.1	25	4.2	5.0	6.3	6.8	8.4
	53	7	3.2	3.8	4.3	3.8	0.8	6	2.9	3.1	5.1	4.4	2.2

L	4		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (houi	')
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	794	0.8	0.8	1.2	1.4	1.3	750	0.8	1.2	1.8	1.6	1.2
	Jan Feb	69 12	0.8	1.0 0.8	1.6 0.9	1.7 1.2	1.5 0.9	72 14	0.8 1.0	1.1	1.6 2.0	1.5 1.5	1.1 0.6
	Mar	67	0.7	0.8	1.0	1.2	1.2	66	0.8	1.2	2.4	1.8	1.4
	Apr	47	0.7	0.8	1.3	1.4	1.3	54	0.8	1.1	1.6	1.3	0.6
_	May	46	0.8	0.8	0.9	1.1	1.0	30	0.9	1.2	1.3	1.9	1.8
Month	Jun	72	0.7	0.8	1.0	1.5	1.5	60	0.9	1.3	2.4	2.0	1.6
Σ	Jul	83 75	0.8	0.8	1.2	1.4	1.3	88 76	0.8	1.2 1.2	1.6 1.9	1.4	1.0 0.9
	Aug Sep	99	0.8	0.9	1.0	1.1	0.9	82	0.8	1.1	1.4	1.4	1.0
	Oct	94	0.8	0.9	1.1	1.5	1.4	87	0.8	1.2	1.9	1.7	1.3
	Nov	69	0.8	0.9	1.1	1.2	1.1	57	8.0	1.2	1.9	1.5	1.1
	Dec	61	0.8	0.9	2.4	1.7	1.4	64	0.8	1.1	1.8	1.6	1.1
	1	6	0.9	2.5	5.5	3.2	2.4	13	0.8	1.1	1.4	1.1	0.4
	3	21 14	0.8	0.9 1.0	1.0	1.4 1.5	1.2	15 20	0.8	1.1 1.2	1.7 1.8	1.6 1.5	1.3 0.9
	4	16	0.9	1.1	1.7	1.5	0.9	16	0.8	1.2	2.3	1.9	1.5
	5	15	0.8	0.8	1.1	1.5	1.6	14	0.8	1.2	1.5	1.3	0.5
	6	6	8.0	0.9	2.2	1.6	1.2	7	1.0	1.3	1.5	1.5	0.7
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	<u>0</u>	0.9	1.0	- 1.5	1.4	0.8	7	0.8	0.9	1.0	0.9	0.2
	10	7	0.8	0.9	1.8	1.4	0.8	17	0.8	1.0	1.0	1.3	0.2
	11	0	-	-	-	-	-	4	0.9	0.9	1.0	1.0	0.1
	12	29	0.7	0.8	1.0	1.4	1.6	15	1.1	2.9	4.1	2.8	1.6
	13	28	0.8	0.8	0.9	1.0	0.7	23	0.9	1.3	2.4	1.9	1.5
	14	17	0.7	0.8	2.2	1.7	1.6	11	1.0	1.4	1.9	1.7	0.9
	15 16	21 8	0.7	0.8	1.6 0.8	1.4 0.8	1.2 0.3	25 15	0.8	1.1	1.7 1.5	1.3	0.6
	17	0	-	-	-	-	-	1	1.0	1.0	1.0	1.0	0.0
	18	5	0.4	0.5	0.6	0.5	0.1	7	0.8	0.9	2.5	2.0	1.8
	19	21	0.8	0.8	1.2	1.3	1.2	3	4.6	5.7	5.9	5.1	1.2
	20	0	- 0.7	-	-	-	-	0	-	-	-	-	-
	21	15 9	0.7	0.8	0.8	1.0 0.9	1.0 0.3	13 12	0.9	1.1 1.2	1.3 1.3	1.4 1.5	1.5
	23	16	0.7	0.8	0.8	1.3	1.5	7	0.8	0.8	2.5	1.8	1.2
	24	16	0.7	0.8	0.8	0.9	0.6	21	1.0	1.2	1.9	1.7	1.1
	25	20	8.0	0.9	2.4	1.8	1.4	16	0.9	1.5	3.3	2.4	2.0
¥	26	16	0.7	0.8	1.9	1.8	1.9	12	0.9	1.4	2.7	2.1	1.6
Week	27 28	20	0.8	0.8	1.0	1.5 1.1	1.5 0.6	19	0.9	1.3 1.2	2.1 1.5	1.7	1.2 0.8
	29	19	0.8	0.9	1.5	1.5	1.3	19	0.8	1.2	1.3	1.3	0.7
	30	16	0.7	0.9	1.0	1.2	0.9	19	0.8	0.9	1.2	1.2	0.9
	31	14	0.8	0.9	1.6	1.8	1.6	20	1.0	1.2	1.9	1.6	1.0
	32	23	0.8	0.9	2.2	1.8	1.5	18	0.9	1.1	1.9	1.6	1.0
	33	18 15	0.8 1.0	0.9 1.0	1.0	1.2	0.7	18 19	0.8	1.2 1.2	1.9 1.6	1.5 1.4	1.0 0.8
	35	14	0.8	0.8	1.0	1.0	0.0	11	0.8	1.0	2.0	1.6	1.0
	36	22	0.8	1.0	2.2	1.7	1.5	19	0.8	1.1	2.2	1.7	1.3
	37	23	0.6	0.8	1.0	1.0	0.6	22	0.8	1.0	1.9	1.6	1.3
	38	27	0.6	0.8	1.0	0.9	0.5	18	0.9	1.1	1.2	1.1	0.3
	39 40	23 20	0.8	0.9	1.1	1.1	0.7	20 19	1.0 0.9	1.1	1.5 1.2	1.2	0.5 0.5
	41	26	0.8	0.9	1.1	1.5	1.6	17	1.3	1.5	2.3	1.7	0.5
	42	26	0.8	1.0	1.2	1.7	1.5	24	0.8	1.3	2.0	1.9	1.5
	43	18	0.8	0.8	1.0	0.9	0.3	20	0.7	1.1	1.9	1.6	1.3
	44	13	0.8	1.1	2.8	2.1	1.6	14	1.0	1.2	2.8	2.1	1.7
	45 46	20 26	0.8	0.9	1.0	0.9 1.5	0.3 1.4	19 24	0.9	1.1	1.5 1.7	1.4	0.9 1.0
	47	<u></u>	0.8	0.9	0.9	0.9	0.3	4	0.8	0.8	1.7	1.6	1.4
	48	13	0.8	0.9	1.1	1.2	1.1	6	0.9	1.2	1.9	1.5	0.9
	49	20	0.8	1.0	3.3	2.2	1.9	16	1.0	1.1	1.5	1.5	1.1
	50	11	0.8	0.9	1.0	1.2	0.8	11	0.8	1.1	1.8	1.6	1.0
	51	7	0.9	1.2	1.6	1.5	0.9	10	0.9	1.3	3.5	2.3	1.7
	52 53	15 8	0.8	1.1 0.8	2.9 1.0	1.9 1.2	1.3 0.8	23 4	0.8 1.1	1.0	1.5 1.6	1.3 1.5	0.8
	- 55	J	0.0	0.0	1.0	1.2	0.0		1.1	1.2	1.0	1.0	0.1

L	5		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	·)
me l	Time F	Count	F	Percentil	е		Std.	Count	ı	Percentil	e		Std.
_	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	734	2.8	4.2	5.6	5.6	7.2	721	3.0	4.3	5.9	5.6	6.3
	Jan Feb	82 16	2.8	3.9 3.4	5.1 5.0	4.9 8.7	6.5 13.7	79 17	2.6 3.1	3.7 3.6	5.2 5.5	4.1 5.3	2.0 3.7
	Mar	77	2.7	3.5	5.0	4.3	2.7	80	2.7	3.7	6.2	5.6	5.3
	Apr	50	2.7	4.2	6.1	5.3	6.2	54	2.9	3.9	5.1	4.4	2.4
	May	1	2.8	2.8	2.8	2.8	0.0	2	3.0	3.7	4.4	3.7	1.4
Month	Jun	1	3.1	3.1	3.1	3.1	0.0	5	5.6	6.1	8.7	13.0	14.9
Ž	Jul	74 82	3.2	4.6 5.0	6.5	7.3 6.9	11.2 9.8	75 81	3.2	4.5 5.2	6.0 7.1	5.4 7.8	5.4 10.8
	Aug Sep	99	2.7	3.9	5.2	4.5	2.9	84	3.0	4.2	5.6	5.2	5.6
	Oct	93	2.9	4.5	5.4	4.6	2.4	87	3.2	4.7	5.7	5.4	4.4
	Nov	77	3.1	4.0	5.2	4.4	2.2	79	3.2	4.8	6.1	5.2	3.1
	Dec	82	2.8	4.2	5.9	7.5	10.5	78	3.2	4.0	6.3	6.5	9.1
	1	8	2.7	3.1	4.4	3.4	0.9	12	2.6	2.8	3.9	3.2	1.1
	2	24 19	2.8 3.0	4.4 4.1	4.9 5.2	4.4 7.0	2.3 12.9	16 22	2.6	3.2 3.7	4.0 5.3	3.6 4.4	1.4 2.5
	4	19	2.9	4.9	6.0	4.8	1.8	19	3.8	5.0	5.8	5.0	1.9
	5	16	2.7	3.1	4.8	6.5	11.6	16	2.7	3.5	4.5	3.9	1.6
	6	7	2.6	2.8	5.4	8.3	12.0	7	3.0	3.4	4.5	4.0	1.4
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8 9	6	3.0	4.6	- 5.1	4.0	1.3	0 11	2.9	3.0	4.8	- 5.5	4.5
	10	9	2.3	3.2	4.6	3.3	1.2	18	3.4	4.1	5.2	4.8	2.8
	11	2	2.9	2.9	2.9	2.9	0.0	9	2.7	5.7	12.3	9.8	9.7
	12	30	2.7	4.3	6.7	5.0	2.8	18	2.8	6.4	10.6	7.7	6.6
	13	33	2.8	3.3	4.8	4.1	2.9	25	2.6	3.2	4.2	3.9	1.9
	14 15	17 22	3.0 2.4	4.2	5.3 6.4	4.3 4.5	1.4 2.2	12 25	4.2 2.7	5.0 3.8	6.5 5.2	5.2 4.1	1.6 1.5
	16	11	2.5	4.0	5.7	4.4	2.1	16	3.0	3.8	4.6	4.7	3.6
	17	0	-	-	-	-	-	1	3.5	3.5	3.5	3.5	0.0
	18	3	2.4	2.8	24.7	17.1	20.8	4	2.3	2.4	2.9	2.7	0.6
	19	0	-	-	-	-	-	1	5.1	5.1	5.1	5.1	0.0
	20	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0		-	-	-	-
	23	0	-	-	-	-	-	2	3.1	4.1	5.1	4.1	2.0
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25	1	3.1	3.1	3.1	3.1	0.0	1	42.5	42.5	42.5	42.5	0.0
Week	26 27	11	3.4	4.2	23.7	18.9	- 25.1	2 7	6.4 3.5	7.1 3.8	7.9 4.1	7.1 3.9	1.5 0.6
We	28	20	3.2	4.4	6.8	5.1	2.4	22	2.9	4.2	5.3	4.3	1.6
	29	21	3.3	4.9	5.9	4.9	1.7	19	2.9	4.9	5.3	4.4	1.7
	30	15	2.9	4.4	5.1	5.2	4.5	19	4.2	4.8	7.3	8.0	9.7
	31	13	3.9	5.4	6.3	5.9	2.8	17	3.9	4.7	5.8	5.3	2.3
	32	23	3.1	4.5 5.1	6.1 7.1	6.9 10.1	9.0 15.8	18 21	3.9	5.5 5.3	9.0 7.7	7.1 8.9	4.3 13.5
	34	13	5.0	5.5	6.3	5.4	1.4	16	3.2	5.0	6.6	11.1	17.3
	35	18	3.1	4.8	6.1	5.0	2.3	17	4.5	5.9	6.4	5.9	2.6
	36	21	4.0	5.0	6.4	5.2	1.9	16	3.3	4.1	5.2	4.5	2.1
	37	20	1.7	2.8	4.8	4.6	4.6	25	2.8	4.4	6.1	6.5	9.6
	38	29 24	2.7	3.2	4.5 4.9	4.0	2.4 1.8	20	3.4	4.2	6.1 5.2	4.8	2.2
	39 40	22	2.6	3.5	4.9	3.9	2.2	18	2.6	3.7	5.2	3.9	1.3
	41	27	2.9	4.5	5.2	4.9	2.9	18	3.3	4.7	6.4	5.0	2.1
	42	28	3.5	5.0	6.1	5.0	1.8	29	3.2	4.5	5.5	4.7	2.0
	43	18	2.7	3.7	5.5	4.8	2.7	19	3.2	4.8	7.0	7.7	8.3
	44 45	9 21	3.0	3.4 4.0	4.1 4.9	3.5 4.3	1.0 2.4	10 25	4.5 3.2	5.0 4.4	5.9 5.7	5.3 5.7	1.2 4.6
	46	29	3.0	4.0	6.9	5.3	2.4	30	3.2	5.3	6.9	5.7	2.2
	47	6	2.5	3.1	4.3	3.4	1.0	7	3.0	3.5	4.3	3.9	1.5
	48	15	2.6	3.4	4.5	3.6	1.2	13	3.1	4.7	5.5	4.4	1.4
	49	24	3.4	5.1	7.3	7.7	7.8	18	3.3	4.5	6.7	5.3	3.0
	50	15	3.7	5.0	8.8	9.0	9.8	18	3.4	4.6	6.5	8.9	12.5
	51	12	3.1	4.7	8.5	11.5	15.1	12	3.4	6.5	8.9	10.6	15.4
	52	21	2.8	3.4	4.9	6.3	11.6	24	2.9	3.3	3.9	4.1	2.5

	Time Pd.	<b>1</b>		wnstrea ravel Tin							n Directio		
Υ :	Time P	Ħ			ile Estilli	ate (hou	ır)		1	Travel Ti	ne Estim	ate (hour	·)
Υ :	Ë	5	P	ercentil	е		Std.	Count	F	Percentil	е		Std.
		Count	25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
1 H	2013 Jan	646 74	11.7 13.0	15.2 18.3	21.3 24.6	19.2 21.2	14.3 12.1	635 76	12.7 12.7	17.0 16.6	22.5 21.5	20.0 18.9	12.9 10.9
1 H	Jan Feb	19	11.3	13.4	20.9	24.5	26.1	19	17.3	18.9	23.5	28.7	24.6
	Mar	67	11.0	14.1	18.2	15.5	6.2	70	10.7	14.8	22.3	21.2	18.1
	Apr	46	10.5	13.6	17.0	14.9	6.7	50	11.3	16.5	19.9	17.4	8.4
	May	1	67.2	67.2	67.2	67.2	0.0	0	-	-	- 70.4	- 57.0	- 21 5
Month	Jun Jul	1 64	11.7 10.9	11.7 14.1	11.7 18.5	11.7 18.7	0.0 17.8	2 59	41.9 11.5	57.6 15.7	73.4 18.3	57.6 16.2	31.5 6.3
I – F	Aug	68	12.6	15.2	19.6	18.1	11.9	73	13.0	18.2	21.8	20.4	12.9
	Sep	96	12.0	14.9	21.4	19.7	15.2	76	12.4	16.8	22.1	17.9	7.1
l F	Oct	86	11.7	14.8	20.1	17.4	11.1 17.8	78	11.5	16.2	23.4	19.6	11.2 8.5
╽┟	Nov Dec	58 66	10.8 14.3	15.0 19.8	20.6	20.2	15.1	59 73	13.7 15.6	17.1 20.9	21.7 25.2	19.2 24.3	15.4
П	1	8	10.6	13.2	19.9	15.1	4.8	15	12.7	14.1	19.9	21.2	20.1
	2	22	12.4	16.7	24.5	20.2	13.6	20	12.3	16.2	23.2	18.7	8.1
	3	16	13.8	16.8	21.4	17.0	5.2	20	12.7	18.3	20.5	17.3	5.6
-	4 5	18 15	15.5 11.7	21.6 23.9	25.2 44.9	23.4 30.5	10.1 25.1	14 14	12.9 17.9	16.5 20.3	25.1 26.8	18.6 29.4	6.6 24.3
	6	7	10.4	12.3	17.3	13.8	4.8	4	16.6	17.9	20.3	19.0	3.3
ΙĹ	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
-	9	8 5	15.1 15.7	20.4 16.6	44.2 17.5	32.4 16.0	24.1	11 14	12.5 11.4	18.3 16.8	21.9 21.6	28.0 17.5	25.8 6.3
	11	4	13.2	15.3	18.6	16.5	4.1	10	13.6	15.7	22.5	26.7	25.0
	12	26	10.7	12.9	15.2	13.9	5.2	18	11.6	15.4	34.1	24.6	21.1
	13	30	11.3	14.5	18.9	16.1	6.6	22	10.2	11.8	15.7	16.4	10.2
-	14 15	17 19	10.7	13.5 14.3	16.3	14.3 14.9	4.7	11	14.2 11.0	19.7 15.9	22.2	18.1	5.2
l F	16	9	9.8 12.6	15.4	16.5 17.6	16.3	8.4 6.0	26 10	11.7	16.7	21.9 18.3	18.2 15.4	10.7 3.7
	17	0	-	-	-	•	-	2	15.0	18.6	22.2	18.6	7.2
l	18	2	13.1	13.3	13.4	13.3	0.3	4	15.4	17.3	17.3	15.4	3.4
	19	0	-	-	-	-	-	0	-	-	-	-	-
l ⊦	20	1	67.2	67.2	67.2	67.2	0.0	0	-	-	-	-	-
lt	22	0	-	-	-		-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	-
-	24 25	1	11.7	11.7	11.7	11.7	0.0	0	-	-	-	-	-
l F	26	0	-	-	-	-	-	2	41.9	57.6	73.4	57.6	31.5
Week	27	8	11.1	13.1	18.1	15.9	6.4	8	12.3	14.8	16.4	14.0	3.6
^[	28	17	10.4	14.0	18.9	15.2	5.5	18	11.6	14.5	18.2	14.9	4.6
I⊦	29 30	18 11	12.5	14.9	18.9	15.3	4.6	15 9	10.3	17.3	19.4	17.0	7.5
l F	31	16	10.9	16.3 16.5	48.7 17.3	35.4 15.7	37.3 3.6	15	11.5 13.3	16.1 16.3	17.4 18.8	17.7 17.6	7.7 5.7
Ιţ	32	16	12.9	14.7	17.1	15.6	3.9	19	12.8	17.6	20.7	21.0	12.9
ĮĮ	33	17	11.5	15.8	19.1	15.9	4.3	18	12.5	19.3	21.5	22.4	20.0
-	34	13	12.7	15.2	23.3	26.1	23.6	14	13.2	17.6	20.2	18.3	5.9
-	35 36	16 21	10.9 12.0	14.8 15.2	20.5 17.7	17.0 14.9	7.0 4.2	16 15	14.3 10.6	19.5 13.4	24.2 19.5	20.4 16.1	7.6 7.5
ΙÍ	37	20	12.3	21.3	30.1	28.7	23.8	23	13.9	16.6	20.7	17.8	7.3
[	38	28	12.1	13.2	21.3	17.9	11.9	20	12.3	19.0	23.5	17.8	6.1
-	39 40	23	11.0	14.8	21.1	18.7	13.5	16	12.5	16.4	22.1	18.5	6.9 7.4
H	40 41	17 27	12.3 11.1	14.3 15.2	20.3	16.1 15.0	4.7 5.1	18 17	11.6 14.5	16.5 23.3	22.3 28.5	18.1 21.6	9.1
lt	42	23	13.0	15.2	21.6	18.1	6.9	27	10.8	15.0	21.3	16.7	7.0
ĮĮ	43	17	11.1	14.3	18.4	19.4	19.8	11	12.9	14.7	20.3	16.5	4.6
-	44	6	14.8	16.6	25.0	23.7	14.5	9	17.9	34.3	37.9	32.8	21.2
	45 46	12 24	11.7 10.7	14.1 15.5	16.8 23.1	15.9 22.8	9.9	16 22	12.9 12.6	15.4 15.5	21.8 21.7	17.8 17.1	6.7
	47	8	14.8	16.2	42.7	29.1	20.4	4	16.1	17.9	21.9	20.1	5.7
[	48	14	9.9	12.1	19.4	14.3	5.2	15	16.3	18.9	27.6	23.6	11.9
-	49	22	12.7	18.7	26.1	22.4	12.8	15	14.8	23.2	25.1	21.1	6.9
	50 51	14 7	15.2 18.0	25.0 22.3	32.3 24.3	27.9 21.5	16.2 4.4	18 9	16.0 18.2	18.9 25.9	23.5 43.2	22.3 32.9	12.8 17.9
	52	18	14.3	19.0	23.4	25.3	19.5	27	14.9	18.5	23.7	23.9	18.1
Ш	53	5	14.0	16.9	23.5	20.1	9.6	4	20.5	23.0	31.4	28.9	14.9

L	7		Do	wnstrea	m Direc	tion				Upstrear	n Directi	on	
Unit	ģ		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	ravel Ti	me Estim	ate (houi	)
Time (	Time Pd.	Count	F	Percentil	е		Std.	Count	F	ercentil	e	•	Std.
	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	708	2.6	4.1	6.4	6.3	8.5 12.2	711	3.2	4.9	7.1	6.2	5.6 4.2
	Jan Feb	76 20	3.1 1.9	4.8 2.5	8.3 5.1	8.5 3.7	2.3	75 22	3.6 3.0	5.4 4.9	7.5 7.5	6.5 6.2	4.8
	Mar	72	1.7	1.8	2.4	2.6	1.9	74	2.1	3.3	5.5	4.2	2.9
	Apr	39	2.0	2.4	4.2	3.9	4.5	46	2.4	3.3	4.8	4.8	7.5
ج	May	1	1.6	1.6	1.6	1.6	0.0	1	1.9	1.9	1.9	1.9	0.0
Month	Jun Jul	0 64	2.0	3.1	4.6	4.4	6.6	0 65	2.4	3.4	5.5	5.2	6.0
_	Aug	66	2.9	4.2	5.5	4.8	3.6	75	3.6	4.8	6.9	6.8	7.4
	Sep	99	2.8	4.3	6.5	6.3	6.0	75	3.4	4.9	6.1	5.7	4.2
	Oct	99	3.2	4.7	7.8	7.6	10.1	94	3.5	4.8	6.6	5.7	4.7
	Nov Dec	78 94	2.9 4.7	3.9 6.8	5.0 11.4	5.0 10.9	3.9 12.9	100	3.8 5.0	6.0 7.0	7.4 10.5	6.6 8.9	3.9 6.7
	1	10	2.5	2.9	3.9	3.6	1.9	14	3.0	4.8	6.5	5.7	3.8
	2	19	4.2	4.8	8.6	11.6	17.2	18	3.3	4.3	7.9	6.3	4.1
	3	17	4.0	6.1	7.9	5.9	2.7	20	5.5	6.7	7.7	7.0	4.0
	4 5	17 15	3.0 2.8	4.7 8.7	6.2 14.1	5.0 13.6	2.3 17.3	14 13	4.1 3.2	5.0 5.1	6.0 7.8	5.6 7.0	3.1 5.3
	6	10	1.9	2.3	3.7	2.9	1.5	11	2.6	3.2	4.6	5.1	5.4
	7	0	-	-	-	-	-	0	-	-	-	-	-
	8	0	-	-	-	-	-	0	-	-	-	-	-
	9 10	9	2.8 4.7	6.1 5.6	6.8 8.0	5.3 6.9	2.4	11 17	5.2 4.4	6.5 5.5	9.0 7.2	7.6 5.8	3.8 2.5
	11	7	1.6	1.8	2.3	2.0	0.5	11	2.0	3.2	5.8	5.1	4.5
	12	27	1.6	1.8	2.5	2.3	1.2	19	1.8	2.4	4.1	3.5	2.6
	13	30	1.6	1.9	2.1	2.0	0.8	22	2.0	2.6	3.6	2.9	1.2
	14	14	1.9	2.2	3.7	3.4	2.4	9	2.9	4.4	4.8	3.8	1.4
	15 16	16 9	2.1 1.8	3.3 2.1	4.4 2.4	3.5 2.6	1.5 1.5	21 13	2.1	3.7	5.2 4.1	3.8	1.7
	17	0	-	-	-		-	1	54.2	54.2	54.2	54.2	0.0
	18	2	8.4	15.3	22.1	15.3	13.7	4	2.4	2.6	2.6	2.4	0.3
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	0	-	-	-	-	-
	23	0	-	-	-	-	-	0	-	-	-	-	•
	24	0	-	-	-	-	-	0	-	-	-	-	-
	25 26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	3	2.7	3.2	3.8	3.3	0.9	5	2.2	2.4	3.8	3.5	2.1
>	28	20	1.7	1.8	2.0	1.9	0.4	19	2.0	2.6	3.3	3.0	1.7
	29 30	18	3.5 3.2	4.4	5.1	4.3	1.5	19	2.6	4.7	5.5 8.4	5.8	6.1
	31	16 15	3.1	3.9 5.3	4.9 6.3	7.6 5.2	12.3 2.5	15 15	4.1 3.5	5.4 5.6	8.2	6.1 10.2	2.5 12.9
	32	15	2.7	4.0	4.5	3.9	1.5	17	3.7	4.3	6.8	8.1	9.5
	33	14	3.1	4.4	7.2	5.1	2.4	18	3.3	4.2	6.0	6.0	6.8
	34	13	3.0	3.8 4.7	4.2 6.3	5.4 4.7	6.7 2.3	11	3.4 4.5	4.7	5.3	4.5	1.5
	35 36	16 23	2.6 3.0	4.7	5.3	4.7	2.3	21 14	3.4	4.8	6.9 6.5	6.0 5.0	2.7
	37	22	2.8	4.4	5.5	5.2	4.0	22	3.2	5.0	6.0	6.0	4.7
	38	26	2.9	4.7	8.0	7.5	7.9	17	3.2	4.5	5.5	4.5	1.8
	39	24 18	2.5	4.0 4.7	12.9	7.9	7.3 11.2	21 18	4.4 4.2	5.2 5.7	6.0	6.9	5.4
	40	26	3.0	4.7	9.1 8.8	9.7 6.3	3.7	19	5.3	6.4	6.9 9.1	6.0 8.8	3.0 8.9
	42	26	3.3	4.7	5.6	5.2	2.6	25	3.3	4.2	5.7	5.0	2.2
	43	22	2.8	4.4	5.5	6.8	10.8	22	3.0	3.8	5.5	4.2	1.5
	44	12	3.4	4.8	7.4	12.8	18.7	13	3.7	4.3	5.1	4.6	1.5
	45 46	11 25	2.3	3.4	4.1 6.2	4.4 5.1	4.5 3.8	15 25	3.1 4.5	3.6 5.7	6.2 7.2	5.2 6.2	3.8
	47	19	3.0	3.8	4.2	4.4	2.6	18	6.0	6.5	11.0	8.8	4.6
	48	22	3.4	4.8	6.1	5.7	4.5	24	4.6	6.0	7.2	6.5	3.0
	49	28	4.9	7.1	9.9	8.9	6.5	23	5.8	8.6	11.4	9.5	4.9
	50 51	20 15	3.7 6.1	6.6 9.5	13.3 11.8	14.8 12.4	19.4 12.1	23 13	4.5 5.2	6.1	9.8 8.9	7.9 10.9	6.0 12.2
	52	21	4.3	6.7	11.8	11.4	13.6	31	4.9	6.6	13.4	9.2	5.7
	53	10	4.7	4.9	6.2	5.5	1.7	10	4.8	5.3	7.5	6.3	2.3

L	8		Do	wnstrea	m Direc	tion				Upstrear	n Directi	on	
Unit	ģ		T	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	·)
Time	Time Pd.	Count	F	Percentil	е		Std.	Count	F	Percentil	e		Std.
-	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013 Jan	562 80	13.1 13.1	16.6 17.7	22.3	20.6 19.2	15.3 8.1	573 82	15.4 14.9	19.2 17.5	23.9	22.9 18.5	16.1 5.0
	Feb	26	12.8	15.0	20.5	20.1	15.5	33	18.4	20.8	43.8	37.9	33.4
	Mar	11	14.0	16.5	23.1	18.9	6.1	18	13.2	18.0	18.7	17.3	4.9
	Apr	13	11.8	16.4	18.2	27.4	27.7	13	12.7	17.3	20.5	26.2	27.7
£	May	0	- 18.4	- 44.0	- 75.4	47.0	- 31.7	1	70.5	70.5	70.5	70.5 29.5	0.0 18.4
Month	Jun Jul	10 54	10.4	44.0 14.1	75.4 16.7	47.8 15.8	12.1	9 64	19.6 14.0	20.3 17.0	30.7 19.8	20.5	17.1
	Aug	35	13.4	16.5	19.1	18.1	9.8	29	15.5	20.2	22.6	27.5	25.1
	Sep	86	13.5	17.3	21.6	19.6	13.6	66	14.7	19.1	22.6	19.8	7.9
	Oct	90 72	13.3 11.9	17.7	23.0	20.1	13.2 16.6	90 85	14.8 18.0	19.0	24.1	20.1	7.1 14.9
	Nov Dec	85	14.9	15.9 18.9	20.9	19.3 24.9	17.2	83	18.7	20.9	26.2 27.4	25.6	14.3
	1	12	11.1	13.6	19.2	15.0	4.7	18	15.2	18.7	21.4	19.0	4.5
	2	20	16.9	20.9	26.6	22.2	8.6	20	16.6	18.4	20.2	19.5	6.1
	3	17	13.1	17.3	22.8	17.8	6.6	19	15.5	17.4	20.9	17.9	4.4
	4 5	19 18	13.2 12.4	16.0 17.5	21.7 28.6	17.6 23.6	5.6 15.7	15 16	14.3 16.2	17.0 21.2	18.4 25.5	17.1 25.2	4.0 14.9
	6	10	12.8	16.7	21.5	21.8	16.7	10	18.6	20.0	22.3	25.8	18.0
	7	0	-	-	-	-	-	1	15.3	15.3	15.3	15.3	0.0
	8	0	- 42.0	- 44.6	- 10.1	- 45.7	-	3	112.8	115.5	115.8	113.9	2.6
	9 10	10 9	12.9 14.3	14.6 21.9	19.1	15.7 20.0	4.1 6.2	13 18	14.8 13.2	19.2 18.0	28.2 18.7	32.4 17.3	30.0 4.9
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	·
	13	2	13.3	13.7	14.1	13.7	0.9	0	-	-	-	-	-
	14 15	7	- 15.9	18.2	- 57.4	39.4	33.3	0 4	12.6	- 15.5	19.0	16.1	3.6
	16	6	10.8	12.5	16.6	13.5	3.3	9	13.5	17.3	20.5	30.7	32.2
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19 20	0	-	-	-	-	-	0	-	-	-	-	-
	21	0	-	-	-	-	-	0	-	-	-	-	-
	22	0	-	-	-	-	-	1	70.5	70.5	70.5	70.5	0.0
	23	1	17.9	17.9	17.9	17.9	0.0	1	30.7	30.7	30.7	30.7	0.0
	24 25	5 3	20.3 16.5	67.6 20.0	78.9 44.6	56.1 34.1	33.2 25.0	6 2	17.0 19.8	20.8	46.5 20.1	32.4 20.0	21.6 0.4
	26	1	77.5	77.5	77.5	77.5	0.0	0	-	-	-	-	-
Week	27	3	11.6	15.4	17.2	14.1	4.6	11	13.6	16.6	18.4	28.4	29.5
>	28	20	9.9	13.0	14.5	13.6	5.2	21	11.9	15.1	19.2	15.4	4.2
	29 30	19 9	11.3 10.9	15.6 16.1	16.9 20.2	15.2 23.4	4.5 26.2	17 11	14.1 17.2	16.8 17.4	19.5 21.7	20.7 22.9	17.3 14.2
	31	6	12.5	15.2	18.0	15.3	3.9	4	14.8	17.4	20.1	17.6	3.3
	32	10	11.9	18.2	23.1	22.4	16.2	8	19.0	20.2	23.7	32.1	32.6
	33	12	13.9	15.3	17.2	16.8	5.0	14	14.3	19.3	21.7	23.5	21.1
	34 35	6	12.9 12.8	15.0 16.2	17.3 18.3	15.2 16.1	3.0	2 5	34.3 20.5	49.7 22.5	65.0 27.5	49.7 22.7	30.8 5.2
	36	11	13.0	14.8	17.9	21.2	20.9	12	12.3	18.6	23.0	18.8	6.7
	37	22	14.7	20.0	24.1	20.2	7.7	17	14.6	18.6	20.5	18.0	4.3
	38	22	14.6	17.3	18.8	16.9	5.2	16	14.7	21.7	25.2	20.9	6.8
	39	24	13.1	16.5 17.7	22.1	22.0	18.8	19	15.8	19.4	21.6	18.5	3.7
	40	21 25	13.1 11.9	17.7	19.9 21.3	17.9 16.2	6.8 5.5	18 20	14.5 16.0	21.8 19.0	23.6	22.1 20.8	7.2
	42	22	13.4	18.3	24.4	19.1	6.8	22	14.9	19.3	22.0	18.8	4.6
	43	26	13.7	17.9	23.6	24.5	21.4	24	14.6	18.7	24.7	19.8	6.6
	44	6	18.6	31.8	88.6	52.4	42.0	9	16.5	18.3	25.8	24.0	11.9
	45 46	11 20	11.5 13.4	14.3 16.9	19.3 21.5	15.2 17.8	6.2 5.8	21	16.1 17.7	19.5 25.1	22.6 28.3	21.2 32.3	8.7 25.9
	47	15	12.1	16.0	24.9	17.8	6.8	16	21.0	25.5	27.6	23.5	5.9
	48	23	11.7	13.7	18.3	15.9	5.8	26	18.1	19.3	22.7	19.8	5.0
	49	25	14.9	16.5	22.3	19.9	8.4	21	18.6	22.3	28.8	25.0	10.2
	50 51	17 14	13.1 17.1	23.3	27.3 37.2	25.4 29.5	15.4 14.8	20 9	19.4 20.5	20.3	25.6 24.2	25.5 22.8	18.2 3.2
	52	20	15.2	18.8	29.5	31.2	26.3	29	17.4	23.9	27.9	27.2	16.3
	53	9	14.2	15.4	18.5	16.6	3.7	4	21.0	22.1	25.1	24.0	5.5

L	9		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	е		Std.
-	_		25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	686	2.1	3.9	5.4	5.0	5.4 2.9	696	2.8	4.2	5.8	5.2	4.9 2.3
	Jan Feb	80 25	3.5 1.8	4.3 3.9	5.7 4.9	5.1 4.2	3.8	80 39	3.3 2.4	4.3 3.8	6.1 5.7	4.8 4.3	2.3
	Mar	12	3.0	3.8	4.4	3.6	1.0	21	3.3	4.5	5.3	7.3	13.2
	Apr	11	1.6	1.7	1.8	1.7	0.2	11	2.0	2.4	2.6	2.4	0.4
ے	May	4	1.6	1.7	1.8	1.7	0.1	5	2.3	2.4	2.7	9.3	13.8
Month	Jun	72	1.4	1.7	1.9	2.0	1.7 1.5	74	2.1	2.5	3.1	3.2	4.4 1.4
2	Jul Aug	71 29	1.5 2.9	1.8 3.8	2.3 4.7	2.5 5.0	6.1	76 22	2.0 3.8	2.7 4.5	3.9 5.2	3.1 7.5	9.8
	Sep	87	2.3	3.3	4.4	3.8	2.2	70	3.6	4.8	5.7	4.7	1.6
	Oct	106	2.9	4.5	6.8	5.9	6.2	109	3.9	4.9	6.4	5.7	4.0
	Nov	96	3.6	4.5	6.1	5.7	6.9	95	3.7	4.4	5.5	5.0	2.7
	Dec	93	4.3	6.4	13.1	9.5	7.3	94	4.6	6.3	11.6	8.6	5.6
	2	10 15	2.5 3.7	3.2 4.1	4.4 5.3	3.5 5.7	1.3 4.9	13 16	3.1	3.2 4.2	4.3	4.0 4.7	1.3 3.1
	3	19	3.7	4.3	5.3	4.6	1.8	23	4.1	5.8	6.8	5.3	1.9
	4	21	4.2	4.6	5.7	5.1	1.9	16	3.8	4.5	5.3	4.9	2.7
	5	18	3.8	4.7	6.1	5.5	3.0	18	3.1	3.9	5.7	4.4	1.9
	6	8	1.8	1.8	1.9	1.9	0.2	14	2.1	2.4	2.8	2.7	1.1
	7 8	2	2.3 4.9	2.3 5.0	2.3 5.0	2.3 5.0	0.0	4	3.1 5.3	3.3 6.6	3.4 7.7	3.3 6.4	0.3 1.6
	9	14	3.9	4.6	5.4	5.6	4.5	16	4.4	5.4	7.7	9.5	14.8
	10	9	3.1	4.0	4.5	3.9	0.8	18	3.1	4.3	5.3	4.3	1.5
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	3	- 1.5	1.7	1.7	1.6	0.1	0 4	1.8	2.3	2.9	2.4	0.6
	16	8	1.6	1.7	1.7	1.8	0.1	7	2.3	2.3	2.5	2.4	0.0
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	21	5	- 1.5	1.6	1.7	1.6	0.2	0 8	1.9	2.2	2.5	6.5	11.5
	23	13	1.7	1.7	1.8	1.7	0.2	10	2.1	2.3	2.8	6.1	11.4
	24	20	1.4	1.6	1.9	2.7	3.0	26	2.1	2.5	3.1	2.6	0.6
	25	17	1.7	1.8	2.0	1.8	0.3	16	2.4	2.8	3.4	3.1	1.3
χ	26	18	1.4	1.6	1.8	1.5	0.3	16	2.2	2.6	3.0	2.6	0.6
Week	27 28	20	1.3	1.7 1.7	1.8	1.6 1.7	0.3	25 22	2.0 1.8	2.4	2.7	2.4 2.5	0.6 1.0
	29	21	1.7	2.2	4.9	3.3	2.0	18	2.3	2.1	4.9	3.7	1.8
	30	8	2.0	3.2	4.1	3.0	1.1	11	3.5	4.1	5.0	4.2	1.0
	31	3	4.7	4.7	5.6	5.3	0.8	3	5.0	5.1	5.3	5.2	0.2
	32	12	3.1	3.7	4.2	6.3	9.2	7	3.9	5.3	5.9	5.3	2.4
	33	10	2.9	4.0	4.6	4.1	1.5	12	3.8	4.1	4.6	6.7	9.0
	34 35	7	3.2	3.6	5.0	4.1	1.3	0	4.2	4.7	22.1	16.0	16.7
	36	8	2.8	3.6	5.7	4.9	3.0	14	2.9	4.6	5.1	4.2	1.5
	37	23	2.1	2.9	4.1	3.1	1.4	18	3.9	4.5	5.1	4.6	1.3
	38	25	2.6	3.6	4.6	4.0	1.9	18	3.5	4.9	6.5	5.3	2.0
	39	25	2.3	2.9	3.9	3.3	1.9	19	3.3	4.8	5.7	4.6	1.5
	40	23	2.7	3.3	5.8	5.5	6.3	22	3.3	4.8	6.2	5.1	2.6
	41 42	25 28	3.1 3.2	5.0 4.8	7.3 5.9	5.8 4.8	4.1 2.1	20 28	4.7 3.9	5.3 5.0	6.3 6.3	6.1 5.0	2.8 1.9
	43	30	3.2	4.6	6.2	5.0	2.4	29	3.9	4.7	7.3	5.9	4.1
	44	8	3.7	4.5	18.4	14.1	15.9	15	3.5	4.4	5.6	6.4	7.5
	45	23	4.2	5.6	8.0	8.4	12.9	23	3.8	4.2	4.8	5.1	2.8
	46	26	2.8	4.5	5.9	4.7	2.3	24	4.1	4.9	5.7	5.3	1.8
	47 48	18 27	3.9	4.8 4.2	6.4	5.7 4.4	4.4 1.3	18	3.8	4.7 4.2	5.7	5.8 4.4	4.4
	48	24	3.6 4.1	4.2	5.2 9.4	8.2	6.6	26 25	3.2	4.2	5.8 7.1	7.9	1.5 6.9
	50	23	4.1	5.1	7.4	7.3	5.9	23	4.3	5.3	8.7	6.7	3.4
	51	19	12.7	16.2	20.6	17.0	7.8	12	13.4	15.9	17.7	14.9	5.7
	52	16	4.3	6.7	10.8	8.7	6.0	24	5.9	7.8	11.5	8.8	4.2
i l	53	11	4.3	4.8	6.7	5.5	1.8	10	5.1	5.9	7.2	6.1	2.0

L	10		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (hour	•)
me	Time F	Count	F	Percentil	е	t t	Std.	Count	ı	Percentil	е		Std.
-	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2013	590 76	3.4	4.2 4.2	5.0 4.7	5.0 4.7	3.2 1.9	609 70	4.1 3.9	5.4 5.0	7.3	6.5 5.8	4.2 3.4
	Jan Feb	22	3.2	4.2	4.7	4.7	1.4	26	4.7	6.4	6.7 7.5	6.6	2.6
	Mar	8	3.8	4.4	5.3	4.7	1.3	17	4.9	5.2	6.5	6.0	2.2
	Apr	5	3.2	3.4	3.8	3.7	0.6	6	4.0	4.3	4.6	4.6	1.0
ے	May	4	3.0	3.1	3.7	3.5	0.9	4	4.6	5.3	7.3	6.6	3.1
Month	Jun Jul	64 59	2.9 3.0	3.3	4.2 4.5	4.3	2.9	69 63	4.2	5.1 5.1	6.1 7.0	5.7 6.3	3.6 4.2
2	Aug	25	3.4	3.9	5.0	5.3	3.5	17	3.9	5.3	7.9	6.5	3.3
	Sep	67	3.8	4.3	4.8	4.9	2.8	69	3.8	5.0	6.3	5.9	3.1
	Oct	89	3.8	4.8	7.0	6.3	4.3	98	4.1	5.8	7.4	6.3	3.2
	Nov	85	3.6	4.3	5.2	5.2	3.0	87	4.2	5.7	7.2	6.2	3.2
	Dec 1	86 9	3.9	4.3	5.0 4.2	5.5 3.7	4.0 0.7	83 10	4.5 4.2	6.8	9.9	9.4	7.1 1.2
	2	9	3.9	3.5 4.3	4.2	4.2	0.7	14	3.7	5.2 4.7	6.1 7.2	5.1 6.5	5.0
	3	20	4.0	4.3	4.8	4.8	1.7	20	4.0	5.1	6.7	5.4	1.9
	4	22	3.8	4.1	4.6	4.9	2.4	16	3.8	4.7	5.1	5.0	1.5
	5	19	3.9	4.3	4.9	4.9	2.0	16	4.3	6.2	8.0	7.2	4.5
	6	9	3.6	4.1	5.4	4.7	1.7	15	5.2	6.6	7.5	6.4	2.1
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	11	3.0	3.9	4.4	3.9	1.1	7	4.9	5.6	8.2	7.1	3.5
	10	7	3.7	4.6	5.3	4.8	1.4	15	4.8	5.1	6.8	6.0	2.3
	11	0	-	-	-	-		0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13 14	0	-	-	-	-	-	0	-	-	-	-	-
	15	1	3.2	3.2	3.2	3.2	0.0	2	4.7	5.4	6.1	5.4	1.4
	16	4	3.4	3.6	4.0	3.8	0.6	4	3.9	4.3	4.5	4.2	0.4
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	22	5	3.0	3.2	4.4	3.7	0.8	7	3.7	4.1	5.3	5.3	2.8
	23	11	3.2	3.3	3.8	3.4	0.5	11	4.2	4.6	5.4	4.8	1.1
	24	19	2.9	3.2	3.8	3.9	1.6	25	4.6	5.0	6.2	5.3	1.4
	25	13	3.0	3.4	3.8	4.1	2.3	13	4.6	5.4	5.8	5.7	2.6
송	26	18	2.9	3.3	6.0	5.4	4.6	13	4.7 4.2	5.3	6.0	7.3	7.2
Week	27 28	16 21	2.8	3.8	4.4	4.0	1.4 2.3	23 18	3.9	5.1 5.2	6.4 6.7	5.3 5.4	1.6
	29	15	3.2	3.9	4.6	4.7	3.3	15	4.6	5.9	9.0	6.7	2.8
	30	6	2.8	3.2	4.2	3.4	1.0	11	4.0	4.8	10.8	9.7	8.2
	31	3	3.9	4.1	4.1	4.0	0.2	0	-	-	-	-	-
	32	10	3.5	4.2	4.8	5.4	4.3	4	4.7	5.3	5.5	4.9	1.0
	33 34	9	3.4	3.5 4.0	9.1 4.5	5.6 4.7	3.2 1.8	12 1	3.9 9.4	5.4 9.4	8.4 9.4	6.8 9.4	3.7 0.0
	35	0	-	-	-	-	-	0	9.4	9.4	9.4	9.4	-
	36	8	3.9	4.2	4.9	4.5	1.0	15	3.8	5.3	8.1	6.4	3.6
	37	18	3.8	4.3	4.7	4.5	1.4	19	3.8	4.7	5.6	6.1	4.2
	38	19	3.9	4.5	4.8	4.6	1.2	18	4.5	5.6	6.4	5.7	2.0
	39 40	18 18	3.3	4.1 4.7	4.8 5.6	6.1 6.4	4.9 5.7	17 18	4.0	4.9 5.3	6.2 9.0	5.5 6.9	2.1 4.4
	41	23	3.7	4.7	5.9	5.1	1.9	18	3.6 4.2	6.4	7.1	6.5	3.4
	42	23	4.0	4.8	6.5	6.0	3.1	24	4.1	5.3	6.3	5.6	2.1
	43	22	4.5	4.9	8.5	7.1	4.9	26	4.3	4.8	7.5	6.5	3.3
	44	7	4.5	4.8	8.2	7.7	5.4	15	5.9	6.8	7.7	6.5	1.7
	45	18	3.7	4.5	6.1	5.0	1.8	22	3.8	4.8	7.4	6.4	4.6
	46 47	26 17	3.5 3.5	4.4 4.1	5.5 8.3	5.4 6.0	3.7 4.0	22 19	4.7 4.0	5.8 5.7	7.1 7.8	6.4 5.8	3.6 2.1
	47	24	3.6	4.1	4.4	4.4	1.4	21	4.0	5.7	7.8	6.0	1.7
	49	23	4.0	4.4	4.7	5.1	3.0	21	4.1	7.0	11.6	8.8	5.6
	50	19	4.1	4.3	5.1	6.2	6.2	22	4.4	5.7	7.0	6.0	1.8
	51	18	3.7	4.5	5.2	5.5	3.6	16	5.7	20.7	29.3	17.8	10.8
	52	19	3.8	4.2	4.4	5.1	2.8	14	5.8	7.5	9.6	7.9	2.8
Ш	53	7	4.5	5.3	5.9	5.8	2.3	10	6.0	6.1	7.1	6.9	2.4

L	11		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Tı	ravel Tin	ne Estim	ate (hou	ır)		1	Travel Tii	ne Estim	ate (hour	·)
ne l	Time F	Count	F	Percentil	е		Std.	Count	F	Percentil	е		Std.
-	_		25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2013	371	9.0	10.7	12.3	14.0	13.9	381	10.4	12.6	14.8	14.1	8.9
	Jan Feb	77 16	8.8 8.4	10.3 9.8	11.7 11.6	11.3 17.2	8.4 19.7	77 19	10.2 10.1	11.3 11.8	13.5 13.5	11.7 13.2	2.7 6.7
	Mar	10	9.0	10.8	12.2	25.4	30.7	4	10.1	10.5	11.2	10.8	0.9
	Apr	1	8.7	8.7	8.7	8.7	0.0	0	-	-	-	-	-
_	May	5	8.4	8.5	9.3	8.7	0.7	9	10.9	12.1	14.5	22.4	21.4
Month	Jun	24	8.0	10.2	46.4	29.2	29.2	27	11.0	12.8	14.2	17.9	17.7
Σ	Jul Aug	2	8.9 9.3	9.8 10.2	40.0 11.1	29.4 10.2	28.9 1.8	7	8.5 11.7	10.3 12.9	12.1 14.0	10.5 12.8	1.9
	Sep	70	9.0	10.2	12.0	11.1	3.3	73	11.1	12.7	15.2	13.8	6.7
	Oct	89	9.7	11.5	12.9	13.7	11.3	100	10.7	13.0	15.1	13.2	3.2
	Nov	57	8.8	10.3	12.7	13.0	9.9	55	10.6	13.5	16.2	15.6	9.8
	Dec	17	10.4	10.8	12.1	12.0	4.7	7	15.4	16.9	44.5	30.4	19.0
	2	10 11	8.0	9.3 10.9	12.1 11.7	9.8	2.2 1.9	14 16	10.6 9.7	11.2 10.8	13.5	12.1 11.5	1.6
	3	21	8.5 9.8	10.9	11.7	10.3	2.2	18	10.3	11.8	13.6 12.9	11.5	2.6
	4	20	8.7	10.3	11.3	10.3	2.3	18	9.3	10.7	12.4	11.1	2.2
	5	20	9.0	9.8	11.4	14.1	15.9	15	10.0	11.4	13.8	12.5	3.4
	6	11	8.3	9.3	11.1	19.6	23.2	14	10.6	12.2	13.6	11.9	2.2
	7 8	0	-	-	-	-	-	0	-	-	-	-	-
	9	2	29.7	48.2	66.6	48.2	36.9	1	40.5	40.5	40.5	40.5	0.0
	10	8	8.6	10.2	11.6	19.8	25.9	4	10.1	10.5	11.2	10.8	0.9
	11	0	-	-	-	-	-	0	-	-	-	-	-
	12	0	-	-	-	-	-	0	-	-	-	-	-
	13	0	-	-	-	-	-	0	-	-	-	-	-
	14 15	1	8.7	8.7	8.7	8.7	0.0	0	-	-	-	-	-
	16	0	-	-	-	-	-	0	-	-	-	-	-
	17	0	-	-	-	-	-	0	-	-	-	-	-
	18	0	-	-	-	-	-	0	-	-	-	-	-
	19	0	-	-	-	-	-	0	-	-	-	-	-
	20	0	-	-	-	-	-	0	-	-	-	-	-
	22	5	8.4	8.5	9.3	8.7	0.7	9	10.9	12.1	14.5	22.4	21.4
	23	1	6.7	6.7	6.7	6.7	0.0	5	12.3	12.4	13.2	11.8	2.1
	24	11	8.3	40.1	52.4	36.0	28.6	8	10.9	12.3	19.1	23.0	23.4
	25	7 5	7.7	9.3 10.2	64.9 10.2	35.5	34.3 1.3	7	12.0 10.4	13.7 12.8	14.2	13.1 21.1	1.7 22.0
Week	26 27	0	9.7	10.2	10.2	9.7	1.3	4	9.6	11.0	15.8 11.9	10.5	2.0
Š	28	3	8.9	9.8	40.0	29.4	28.9	2	9.5	11.2	12.8	11.2	3.2
	29	0	-	-	-	-	-	1	9.1	9.1	9.1	9.1	0.0
	30	0	-	-	-	-	-	0	-	-	-	-	-
	31	0	- 0 1	- 0.4	- 0 1	- 0 1	-	0	- 11.0	11.7	10.0	- 11 7	1.2
	32	0	8.4	8.4	8.4	8.4	0.0	0	11.0	11.7	12.3	11.7	1.2
	34	1	12.0	12.0	12.0	12.0	0.0	1	15.0	15.0	15.0	15.0	0.0
	35	0	-	-	-	-	-	0	-	-	-	-	-
	36	10	9.2	10.6	11.7	10.5	1.5	17	12.8	14.0	15.9	17.7	12.1
	37 38	16 21	9.2	10.9 10.9	12.3 12.0	10.8	2.2	18 18	11.1 10.2	12.0 12.4	13.2 13.6	12.2 12.4	2.6
	39	20	8.7	10.9	11.7	11.6	5.2	17	11.2	13.3	15.2	13.4	3.2
	40	13	9.6	11.5	12.2	11.2	2.1	16	8.9	12.1	13.5	11.8	3.3
	41	23	9.5	11.4	13.5	11.8	3.7	21	12.3	14.7	16.9	14.7	3.1
	42	25	9.7	10.8	12.3	11.0	2.3	26	9.9	11.4	13.5	11.8	2.3
	43 44	24 12	10.8	11.9 14.4	12.9 47.9	11.8 30.6	2.2 26.6	27 13	12.0 11.6	13.7 12.9	15.8 16.3	13.8 13.6	3.1
	45	19	8.8	10.6	13.6	11.1	2.9	23	11.7	13.6	15.5	14.2	4.1
	46	25	8.7	10.3	11.6	12.3	7.8	21	10.3	12.6	16.0	13.9	4.4
	47	7	8.7	9.4	10.3	16.3	17.5	10	10.9	14.7	16.9	22.4	19.9
	48	1	14.4	14.4	14.4	14.4	0.0	1	14.0	14.0	14.0	14.0	0.0
	49 50	4	11.8	12.1	12.6	12.3	1.1	1	46.8	46.8	46.8	46.8	0.0
	50 51	2	15.5 8.1	20.1 9.3	24.7 10.4	9.3	9.3	2	13.2	14.4	15.7	14.4	2.5
	52	6	10.2	10.5	11.1	10.8	0.8	4	15.7	29.0	47.6	34.3	20.5
							3.2	0					

**Travel Time Estimate Results by Link, 2014** 

L	1		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		T	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1057	3.0	4.3	6.8	6.3	7.6 8.1	1068	3.3	5.1	6.8	6.1	5.5 8.0
	Jan Feb	78 46	2.6 2.5	3.9 3.5	6.1 5.2	6.5 5.9	9.6	72 41	2.6 3.0	3.9 3.8	5.4 5.7	5.9 4.3	1.7
	Mar	101	2.5	3.5	6.2	5.5	5.9	116	2.8	4.2	5.6	4.9	4.1
	Apr	92	2.7	3.9	6.2	5.4	5.4	92	3.2	4.9	6.2	5.1	2.4
ے	May	99	3.2	4.5	6.8	7.2	10.0	109	2.8	4.7	6.2	5.2	3.4
Month	Jun	88	2.6	4.0	6.6	6.2	6.6	87	3.3	4.4	6.5	6.5	7.2 7.2
2	Jul Aug	92 94	3.3	4.7 4.6	8.7 6.9	8.7 5.6	12.0 3.6	93 93	4.4 3.3	5.7 5.6	8.3 6.8	7.3 5.8	3.4
	Sep	86	3.8	5.3	7.5	5.9	2.9	80	3.6	5.7	8.7	7.5	7.1
	Oct	78	3.4	4.5	6.0	6.6	10.2	80	4.2	5.9	7.9	6.9	4.6
	Nov	97	3.3	4.8	6.9	5.8	4.4	101	4.3	5.8	7.5	7.0	6.1
	Dec	106	3.6	4.7	6.5	6.4	7.4	104	3.6	5.3	6.5	5.9	5.5
	2	12 11	3.4 2.2	5.2 3.2	11.4 7.2	11.5 7.6	13.9 10.3	6 13	2.3 3.0	3.2	5.0 5.1	3.7 6.0	1.5 7.8
	3	19	2.4	2.9	4.0	3.3	1.3	18	2.2	3.0	3.8	6.7	13.4
	4	26	3.1	5.0	8.1	7.1	6.1	21	4.9	5.4	7.4	6.6	3.9
	5	13	2.2	3.3	4.1	3.6	1.6	16	2.6	3.5	5.0	4.6	3.1
	6	16	2.5	3.1	4.3	4.7	4.4	13	3.1	3.3	5.0	4.3	1.9
	7 8	5 14	2.4 3.5	2.5 4.0	2.5 7.3	2.4 5.7	0.2 3.4	8 12	2.2 5.1	2.7 6.0	3.6 6.7	2.9 5.8	0.8 1.1
	9	10	3.2	4.0	5.9	10.5	18.5	12	2.9	4.1	5.1	4.0	1.1
	10	26	2.7	5.4	6.4	4.9	2.4	34	2.6	3.9	6.3	4.7	2.6
	11	24	1.9	2.9	5.3	5.4	8.0	26	2.9	3.5	4.6	4.1	2.2
	12	16	2.2	2.6	3.7	5.3	8.7	24	2.6	3.1	5.3	4.4	2.6
	13	21	3.0	4.7	9.8	6.9	4.8	20	3.0	5.0	6.5	7.0	8.0
	14 15	36 18	2.5 2.9	3.4 3.9	5.5 5.2	4.4 5.4	2.5 5.8	24 12	3.1 3.5	5.2 4.6	6.0 5.5	4.9 4.4	1.8 1.5
	16	11	3.3	4.2	6.8	5.7	3.6	23	3.9	5.0	5.7	5.0	1.6
	17	24	2.8	4.4	7.4	6.9	7.9	28	3.1	4.6	6.7	5.3	2.8
	18	29	2.8	4.1	6.1	5.9	7.1	20	3.8	4.8	6.3	5.3	3.1
	19	24	3.2	4.5	6.9	5.4	2.5	26	2.8	4.0	6.1	4.8	2.8
	20	15	2.5	3.3 4.2	5.8	9.3	16.4	24	2.7	4.5	5.7	5.6	5.5
	21	27 19	3.0 4.4	6.4	5.3 8.0	6.3 9.2	7.6 12.0	27 23	2.7 5.5	4.3 6.0	5.8 6.3	4.9 5.8	2.5 1.9
	23	23	2.8	4.7	5.7	5.2	3.6	24	3.1	3.8	5.4	4.3	1.6
	24	25	2.6	3.7	5.6	5.8	5.2	19	4.1	5.2	6.6	6.1	3.8
	25	19	2.4	4.0	6.3	5.2	3.8	19	3.6	5.2	7.9	9.0	11.2
놓	26	14	2.6	4.4	7.8	9.6	12.7	18	3.2	3.8	6.6	7.7	9.3
Week	27 28	19 25	2.8 3.1	3.8 4.6	6.4 5.3	5.6 4.8	4.2 2.1	18 25	4.5 4.7	5.1 5.8	6.5 7.1	5.9 6.0	2.8 1.9
	29	21	3.5	5.2	6.9	7.4	9.2	22	4.7	5.5	8.2	6.7	3.4
	30	24	4.4	8.3	13.0	12.1	12.7	22	5.1	9.0	11.6	11.0	13.0
	31	17	3.4	4.1	9.0	12.2	19.3	19	3.7	5.3	6.3	5.8	3.3
	32	21	3.1	4.4	8.2	6.2	5.0	21	2.8	4.3	6.7	4.9	2.7
	33	26	4.6	5.2	7.7	6.5	3.0	24	3.9	5.5	6.6	6.2	4.4
	34 35	17 18	3.2 2.8	3.8	6.2 5.0	6.2 4.1	4.2 1.6	20 19	4.7 3.8	5.9 5.6	7.1 6.5	5.9 6.2	2.0 4.2
	36	23	3.4	5.2	7.6	5.6	2.9	22	4.1	6.7	9.8	7.8	4.9
	37	15	3.1	3.9	5.5	4.4	1.5	11	3.4	4.7	6.6	8.8	12.4
	38	18	4.1	7.5	11.8	7.7	3.9	16	3.1	6.7	12.2	9.7	9.1
	39	24	3.8	5.6	7.1	5.6	2.1	23	3.6	5.2	6.5	5.6	3.2
	40	22 11	4.0 3.6	5.3 4.2	6.4 5.3	5.3 4.7	1.9 1.8	24 10	3.9 4.5	6.0 6.6	6.8 7.7	6.0 6.6	3.0 2.4
	42	11	4.5	4.2	6.1	11.1	18.4	17	4.3	6.7	9.8	9.2	7.7
	43	21	3.4	4.5	5.9	7.5	13.3	24	4.3	5.5	7.1	6.3	3.8
	44	27	3.4	4.4	5.5	5.2	2.9	18	3.8	5.7	6.3	5.5	1.8
	45	21	3.5	4.0	5.3	5.1	2.7	23	4.4	7.0	11.6	7.8	4.0
	46	23	3.2	4.8	7.3	5.3	2.2	18	3.7	4.2	6.1	7.5	12.2
	47 48	22	4.1 3.2	6.4 4.3	7.6 6.2	7.1 6.0	4.4 6.7	27 28	5.5 4.3	6.8 5.0	8.3 6.2	6.8 6.5	2.3 4.5
	49	33	3.2	4.8	7.9	6.0	3.4	25	4.7	5.5	6.3	5.6	2.0
	50	23	4.0	4.2	5.4	5.3	3.2	24	3.6	4.3	6.2	6.6	9.4
	51	25	2.9	4.4	8.8	9.2	13.9	24	3.1	3.8	7.3	5.0	2.6
	52	22	3.8	4.2	6.8	5.3	2.1	22	4.6	5.4	6.6	6.6	5.4
Ш	53	8	4.6	5.3	6.7	6.4	2.6	12	4.3	4.7	6.4	5.8	2.6

L	2		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)		1	Travel Ti	me Estim	ate (houi	·)
me	Time I	Count	F	Percentil	е	t e	Std.	Count		Percentil		1	Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1057	2.3	2.7	3.5 5.6	3.9 4.8	3.3 4.9	1078	2.8	3.7	4.9 4.5	4.2 4.5	2.3 3.2
	Jan Feb	64 45	2.1	2.5	3.8	4.0	5.0	69 43	2.3	2.7	3.7	4.5	3.6
	Mar	95	2.0	2.4	2.7	3.3	3.0	116	2.4	3.0	4.1	3.7	2.1
	Apr	92	2.3	2.7	3.3	3.5	2.7	94	2.7	3.6	4.6	3.9	1.8
ے	May	101	2.3	2.6	3.2	3.6	3.4	111	2.7	3.8	4.9	4.3	2.1
Month	Jun Jul	88 101	2.2	2.7 3.0	3.7 4.8	3.8 5.0	3.2 4.3	91	3.0	3.8 4.2	5.0 5.5	4.4 4.6	2.2
2	Aug	91	2.4	2.9	3.5	3.7	2.5	94	2.9	3.6	4.5	3.9	1.4
	Sep	94	2.3	2.8	3.7	4.3	3.9	76	2.7	4.1	6.1	4.9	2.7
	Oct	90	2.3	2.7	3.3	3.4	2.3	86	2.9	3.7	5.0	4.6	2.6
	Nov	99	2.5	2.7	3.5	3.3	1.6	99	2.8	3.9	5.0	4.3	2.4
	Dec 1	97 12	2.5	2.8	3.3 7.4	3.5 5.2	2.1 4.2	96 8	2.9	3.7	4.8 10.4	4.0	1.7 4.2
	2	10	2.3	2.8	3.1	2.9	0.9	11	3.0	4.5 3.3	4.1	6.6 3.6	0.9
	3	17	2.0	2.3	2.7	3.3	3.7	16	2.0	2.9	4.0	3.3	1.5
	4	16	2.4	4.1	10.8	7.7	7.1	24	3.0	3.6	4.0	4.9	3.7
	5	9	2.1	2.7	6.8	4.1	2.6	10	3.5	4.3	4.4	5.1	3.5
	6	14	2.1	2.3	3.5	4.4	5.1	11 Ω	1.9	2.3	2.7	2.4	0.6
	7 8	5 14	2.1	2.1	2.3 3.3	3.5 4.7	2.9 4.2	8 15	2.1	2.3 3.3	2.3 7.2	3.9 6.0	4.5 4.5
	9	15	2.0	3.2	7.8	6.3	6.1	15	2.6	2.7	3.2	3.1	0.8
	10	27	2.2	2.5	3.7	3.4	2.1	35	2.4	2.7	3.6	3.7	2.7
	11	16	1.9	2.3	2.4	2.8	2.7	20	2.4	2.8	3.6	3.0	8.0
	12	17	1.6	2.0	2.6	3.2	3.1	27	2.8	3.2	4.0	3.8	1.7
	13 14	23	2.3	2.5	2.8	3.6	3.6 1.2	24	2.6	3.4	5.4	4.3	2.3
	15	28 18	2.1 1.9	2.5 2.5	3.4 2.8	2.9 3.5	3.8	19 11	2.8 3.0	4.7 3.8	5.2 4.8	4.6 3.8	2.8 1.0
	16	13	2.3	2.7	3.0	3.8	2.6	26	2.7	3.5	4.4	3.7	1.4
	17	24	2.5	2.8	3.3	3.7	2.8	28	2.7	3.8	4.4	3.8	1.5
	18	30	2.4	2.7	3.1	3.2	1.9	22	2.8	4.6	5.5	4.4	1.7
	19	27	2.3	2.8	3.2	3.0	1.2	26	2.8	3.9	4.6	4.1	1.7
	20	16 28	2.1	2.4	2.9	2.6 4.4	0.8 5.3	24 28	2.5	2.9 3.8	3.8 5.4	3.5 4.4	1.9 2.1
	22	18	2.5	2.9	5.1	4.6	3.9	25	3.6	4.5	4.9	4.7	2.5
	23	25	2.6	2.9	3.9	3.9	2.6	23	3.0	3.8	5.8	4.8	2.5
	24	25	2.3	2.4	3.7	3.5	2.4	21	2.5	4.1	5.8	4.4	2.1
	25	21	2.0	2.6	2.9	3.5	3.7	21	3.6	4.0	4.8	4.8	2.5
송	26	10 19	1.8 2.0	2.2 3.2	2.9	2.7 6.3	1.2 5.9	19 21	3.0	3.6	4.0	3.4 4.5	0.6 1.9
Week	27 28	28	2.6	3.2	10.5 9.5	6.6	5.9	26	3.1 2.9	3.8 4.0	5.3 4.7	4.5	3.4
	29	21	2.4	3.1	4.9	4.4	2.9	26	3.2	4.2	5.5	4.7	1.8
	30	29	2.6	3.0	3.4	3.8	2.7	24	2.8	4.3	5.3	4.3	1.7
	31	16	2.6	3.0	3.4	3.9	2.9	20	3.3	3.7	5.5	4.3	1.7
	32	23	2.5	2.9	3.7	3.9	2.5	24	2.4	3.5	4.0	3.5	1.4
	33 34	24 18	2.5	2.8	3.0 4.7	3.2 4.2	1.8 2.7	21 21	3.2 2.8	3.6	4.7 4.1	3.9 3.6	1.2
	35	16	2.1	2.5	3.0	3.6	3.3	18	3.2	4.2	4.9	4.3	1.6
	36	23	2.4	2.8	3.3	3.0	1.2	21	3.6	4.3	5.6	4.8	2.1
	37	20	2.1	2.6	3.8	3.8	3.3	11	3.7	4.3	5.6	4.8	2.0
	38	17	2.3	2.8	3.8	4.0	3.6	12	2.6	3.5	5.9	4.5	2.3
	39 40	25 27	2.5	3.3 2.7	4.0	5.1 4.5	4.7 4.0	22 27	2.6	4.5 3.8	7.2 5.7	5.5 4.6	3.5 2.5
	41	12	2.2	2.7	3.4	3.9	3.2	10	2.8	3.3	4.8	4.0	2.0
	42	15	2.3	2.7	3.1	3.4	2.1	18	2.9	3.5	4.9	4.3	2.3
	43	26	2.4	2.6	3.1	3.3	2.1	26	2.9	3.5	4.4	4.1	1.8
	44	25	2.7	2.8	3.2	3.3	2.2	20	3.3	4.0	6.0	5.4	3.6
	45	25	2.3	2.7	3.4	3.1	1.5	22	3.0	3.6	5.8	4.3	2.0
	46 47	22 25	2.6	2.7	4.7 3.5	3.8	1.9 1.6	16 31	3.0 2.6	3.9 3.7	4.4 4.5	4.4 3.7	3.2 1.1
	48	21	2.4	2.7	3.3	3.0	1.0	24	2.6	3.9	4.7	4.1	1.9
	49	32	2.3	2.8	3.2	3.3	1.7	25	3.2	4.2	5.1	4.8	2.7
	50	22	2.7	2.9	4.2	3.6	2.0	20	2.3	4.2	5.7	4.7	2.8
	51	16	2.4	2.9	3.3	3.7	2.5	19	2.4	3.1	4.0	3.5	1.4
	52 53	24 8	2.5	2.8	3.1 4.4	3.2	1.3	23 13	2.9	3.7	4.5 5.1	3.8	1.2
ш	აა	o	2.5	2.8	4.4	4.6	3.6	13	3.3	4.1	5.1	4.2	1.2

L	3		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tin	ne Estim	ate (hou	ır)		1	ravel Ti	ne Estim	ate (hour	)
me l	Time F	Count	F	Percentil	е		Std.	Count	F	Percentil	е		Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1102	4.1	6.1	8.9	8.1	8.1	1118	5.0	7.1	10.0	8.9	7.5
	Jan Feb	72 49	3.9 5.3	7.9 10.2	14.6 17.8	10.9 16.5	9.3 17.5	71 50	5.1 5.3	8.0 14.0	12.8 18.0	11.5 14.1	10.6
	Mar	96	3.2	5.4	9.4	7.3	5.6	113	4.2	6.8	9.9	8.0	5.0
	Apr	98	3.4	4.9	7.1	6.4	6.7	95	4.0	5.8	7.0	6.9	7.8
_	May	104	4.5	6.0	9.2	8.0	8.2	113	5.3	7.1	9.3	8.8	7.2
Month	Jun	96	4.4	6.2	8.7	7.8	6.7	100	5.5	7.0	11.5	10.5	10.0
Σ	Jul Aug	106 94	4.9 3.9	7.2 5.5	10.3 6.8	8.3 6.0	5.2 4.0	106 97	5.3 4.9	7.0 6.6	11.9 9.1	9.8 7.5	9.4
	Sep	94	5.0	6.5	8.6	9.3	11.4	85	5.4	7.5	9.6	8.3	6.1
	Oct	91	4.0	6.3	9.6	7.8	6.2	85	5.4	7.3	9.7	8.5	5.1
	Nov	101	4.6	6.1	8.3	7.1	5.6	103	5.7	7.7	9.6	8.0	3.4
	Dec	101	3.7	5.9	7.3	6.7	5.9	100	5.0	7.0	8.8	8.1	6.6
	1	14 11	3.5 4.7	4.4 7.7	6.9 9.6	5.1 7.3	2.5 3.2	11	3.5 5.5	4.8 5.8	7.2 6.8	7.8 6.6	6.8 2.6
	3	14	3.0	3.8	4.6	3.9	1.2	19	3.6	5.0	8.0	5.8	2.6
	4	26	11.1	14.7	19.0	17.2	9.4	23	10.4	12.8	19.5	16.2	10.1
	5	7	11.3	22.3	25.7	19.1	11.1	7	12.4	14.3	30.6	24.8	17.7
	6	13	12.7	15.4	32.5	26.9	23.1	11	10.0	14.9	16.1	13.9	7.3
	7 8	3 14	4.5 7.0	5.2 16.1	13.8 19.2	10.5 17.2	8.5 13.3	11 14	16.6 7.2	17.0 15.5	27.0 20.5	23.2 15.9	9.0
	9	21	2.8	6.1	9.6	9.6	12.0	22	4.0	5.2	8.9	6.4	2.9
	10	27	7.1	12.5	15.8	12.1	6.5	33	4.2	7.6	14.1	9.2	5.7
	11	18	2.0	2.8	5.6	4.1	2.9	21	3.8	5.6	6.8	5.5	1.6
	12	17	3.2	5.8	9.8	7.7	6.1	24	3.7	5.8	10.1	7.8	5.3
	13 14	23 31	4.1 2.8	5.1 3.7	6.4 5.3	5.2 4.3	1.7 1.8	23	6.1 4.7	7.3 5.3	10.2 6.8	8.9 5.7	5.4 2.1
	15	21	3.1	4.0	7.2	6.5	6.7	11	4.0	5.6	7.0	9.9	15.1
	16	14	4.5	5.4	7.6	9.8	14.0	26	4.4	6.4	8.0	8.0	10.2
	17	23	3.7	6.0	6.4	5.4	2.0	26	3.6	5.5	6.6	5.6	2.4
	18	29	3.7	5.7	8.7	6.6	3.3	22	5.4	6.4	7.8	6.8	2.7
	19 20	28 21	4.9 3.1	5.4 4.8	7.1 7.2	6.4 8.6	2.9 11.9	27 25	5.9 3.4	7.3 4.5	8.8 7.0	7.6 8.4	2.3 8.8
	21	26	4.1	7.2	9.6	7.9	5.2	27	6.2	9.0	10.8	11.6	10.1
	22	18	6.0	8.2	9.5	10.7	12.5	27	5.9	7.2	8.8	8.3	4.9
	23	29	5.4	7.0	9.2	8.6	7.8	27	4.7	6.0	8.1	6.7	3.1
	24 25	27 17	4.5 3.3	6.1 4.3	7.9 6.2	6.5	2.3 9.4	21	5.5 4.9	6.7 6.8	8.0 10.9	7.0 11.2	3.1 10.8
	26	14	4.6	6.1	11.0	6.7 8.1	5.6	21 19	6.2	8.2	18.9	15.1	13.0
Week	27	23	4.7	9.8	15.7	10.4	6.4	27	6.0	10.0	14.4	11.7	11.1
>	28	29	5.0	7.2	9.6	7.9	4.5	26	6.1	8.7	10.8	9.1	4.3
	29	21	6.1	9.2	13.8	10.7	6.8	26	5.6	10.1	13.1	10.9	8.1
	30	29 18	4.7	6.2 5.9	9.1 8.5	6.7	2.9 3.2	25 20	6.2 4.3	6.7	12.0 12.5	12.5 7.9	15.9 4.6
	32	23	3.9	5.4	6.3	5.3	1.9	24	4.4	5.9	7.3	7.0	3.8
	33	26	3.9	5.4	6.9	5.9	2.8	24	5.3	6.7	8.8	7.2	2.6
	34	19	3.4	5.0	6.1	5.0	2.0	20	4.3	5.3	7.2	6.3	2.9
	35 36	17 21	5.0 5.3	5.7 6.7	7.3 7.5	8.0 9.1	7.7 12.8	18 20	5.7 6.8	8.0	9.3	7.6 9.0	3.2
	37	18	4.6	5.6	7.5	7.1	6.9	15	4.0	7.2	10.2	9.0	8.3
	38	18	5.3	6.0	8.3	9.1	11.1	17	4.2	7.6	9.1	9.5	10.1
	39	27	5.2	7.7	9.2	11.2	14.0	24	5.6	7.1	8.8	6.9	2.2
	40	27	4.4	7.7	12.2	8.4	4.6	26	6.6	7.2	11.4	9.4	5.5
	41 42	11 16	3.5 4.1	5.1 7.2	7.4 10.3	5.8 11.1	2.8 11.9	11 20	5.0 5.3	7.3 7.4	8.0 13.1	6.6 9.4	2.1 6.9
	43	27	5.2	7.6	10.3	8.1	3.8	28	4.7	7.4	9.6	7.6	3.2
	44	26	3.9	5.3	7.0	5.7	2.3	16	6.5	7.7	9.3	8.5	3.5
	45	23	5.0	5.8	6.4	5.8	2.5	23	6.1	7.7	8.7	7.4	2.1
	46	21	4.0	5.6	7.4	7.8	9.8	16	5.0	6.0	7.4	6.4	2.5
	47 48	26 22	4.7 5.0	6.0 6.2	8.2 10.1	6.7 7.1	3.3	31	6.1 5.7	8.3	10.7 11.2	8.5 8.7	3.2 4.0
	49	34	4.8	6.6	9.7	7.8	4.2	24	5.7	8.3	9.4	9.1	5.0
	50	25	3.7	6.0	6.8	7.4	10.4	22	4.6	5.8	8.2	6.2	2.1
	51	16	3.5	4.8	6.3	5.1	2.0	16	3.9	5.5	10.7	9.8	12.3
	52 53	23 10	4.8 3.5	6.4 5.7	8.8 8.2	6.9	2.9 4.4	26 13	5.5 5.0	7.0 6.7	8.4 11.9	7.1 9.8	2.6 8.5
ш	JJ	ıυ	J.Ü	3.1	0.2	0.7	4.4	13	5.0	0.7	11.8	5.0	0.0

L	4		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Ti	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hou	)
me l	Time F	Count	F	Percentil	е	+	Std.	Count		Percentil	е	•	Std.
_			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1007	0.8	0.9	1.2	1.4	1.2 1.1	995	0.9	1.2	2.1	1.8	1.4
	Jan Feb	65 43	0.8	0.9 1.0	1.6 1.8	1.4 1.6	1.1	60 43	0.8 1.0	1.0 2.4	2.1 3.8	1.8 2.6	1.7
	Mar	85	0.7	0.8	0.9	1.2	1.2	93	0.8	1.0	1.7	1.6	1.3
	Apr	90	0.7	0.8	1.0	1.1	1.0	90	0.9	1.3	1.9	1.7	1.3
۰	May	91	0.8	0.8	1.1	1.3	1.2	95	0.8	1.2	1.7	1.6	1.2
Month	Jun	93	0.7	0.8	1.1	1.3	1.2 1.2	90	0.8	1.2	1.5	1.5	1.2
Σ	Jul Aug	93 98	0.8	0.9	1.3	1.4 1.4	1.2	92 89	1.1 0.9	1.4 1.2	2.6	2.0 1.7	1.4
	Sep	77	0.8	0.9	1.1	1.4	1.2	73	1.1	1.4	2.4	2.0	1.4
	Oct	88	0.8	0.9	1.0	1.2	1.0	81	0.8	1.1	1.6	1.4	0.8
	Nov	95	0.8	0.9	1.2	1.5	1.4	99	0.9	1.2	2.8	2.0	1.7
Н	Dec	89	0.8	0.9	2.1	1.8	1.6	90	0.9	1.2	1.8	1.6	1.2
	2	15 9	0.7	0.8 1.1	1.1	1.1 1.4	0.7	10 9	0.9 1.1	1.1 1.4	2.2 3.0	1.9 2.4	1.7
	3	16	0.8	0.9	1.1	1.3	1.0	16	0.8	0.8	1.8	1.5	1.2
	4	18	0.8	1.0	1.2	1.4	1.3	19	0.8	0.9	1.1	1.4	1.3
	5	7	1.5	1.8	3.6	2.5	1.4	6	1.2	2.0	4.2	2.8	1.9
	6	7	1.2	2.9	3.1	2.3	1.1	6	2.1	2.7	3.1	3.2	1.7
	7 8	10 14	1.2 0.7	1.5 0.8	2.0	1.9 0.9	1.1 0.3	12 12	3.1 0.8	4.3 1.3	5.1 3.1	4.1 2.0	1.4
	9	17	0.7	0.8	2.0	1.9	2.0	21	0.8	1.0	2.4	1.7	1.0
	10	22	0.8	0.8	3.0	1.8	1.6	33	0.8	0.9	1.7	1.6	1.4
	11	17	0.6	0.7	0.8	0.8	0.3	16	0.8	1.0	1.2	1.4	0.9
	12	14	0.6	0.8	0.9	1.1	1.0	15	0.9	0.9	1.1	1.5	1.5
	13	20	0.8	0.8	0.9	0.9	0.5	20	1.0	1.2	1.7	1.6	1.1
	14 15	25 22	0.7	0.8	0.9	1.1 0.9	0.7	18	1.2	1.3 1.4	2.6	2.0	1.3
	16	11	0.7	0.8	1.1	1.2	0.4 1.2	11 25	0.9	1.4	1.9	1.7 1.6	0.9 1.2
	17	20	0.7	0.8	1.0	1.3	1.4	23	0.8	1.2	1.7	1.7	1.5
	18	29	0.8	0.8	1.0	1.0	0.5	20	0.8	1.1	1.6	1.4	0.9
	19	24	0.8	0.9	1.0	1.1	0.7	25	0.8	1.3	2.1	1.7	1.2
	20	14	0.8	0.9	1.7	1.4	1.1	20	0.9	1.1	1.7	1.5	0.8
	21	28 15	0.7	0.8	1.6 1.2	1.4 1.8	1.2 1.9	19 25	0.9	1.2 1.1	1.7	1.9 1.4	1.8 0.9
	23	29	0.8	0.8	1.5	1.5	1.9	26	0.8	1.0	1.5	1.4	0.9
	24	28	0.7	0.8	1.0	1.3	1.2	21	0.8	1.2	2.3	1.9	1.7
	25	20	0.7	0.9	1.0	1.3	1.3	20	1.1	1.2	1.4	1.6	1.2
¥	26	11	0.6	0.6	0.7	0.7	0.2	16	0.9	1.1	1.4	1.3	8.0
Week	27	13	0.7	0.8	0.8	0.9	0.6	16	1.0	1.1	2.5	2.1	1.7
	28 29	31 18	0.8	0.9 1.0	1.3 3.2	1.2 2.1	0.7 1.8	24 25	1.1	1.2	2.2	1.8 2.0	1.3
	30	28	0.9	1.0	1.3	1.4	1.1	21	1.3	2.1	2.7	2.2	1.2
	31	13	0.9	1.0	1.1	1.4	1.2	16	1.0	1.6	2.2	1.8	0.9
	32	24	0.8	0.9	1.4	1.2	0.6	23	0.8	1.0	2.3	1.7	1.4
	33	24	0.8	0.9	1.2	1.7	1.7	22	0.9	1.2	1.9	1.7	1.2
	34 35	22	0.8	0.9	1.0 0.9	1.4 1.3	1.4	21 17	0.9	1.1	1.3 1.5	1.7 1.6	1.5 1.1
	36	17	0.7	0.8	1.1	1.3	0.9	14	1.3	2.7	3.3	2.6	1.1
	37	13	0.8	0.9	3.1	2.1	2.0	8	0.8	1.7	2.0	1.6	0.7
	38	12	0.7	0.9	1.1	1.2	0.8	17	1.1	1.4	2.7	2.1	1.4
	39	26	0.8	1.0	1.1	1.3	1.1	25	1.1	1.5	2.1	2.0	1.5
	40	26	0.8	0.9	1.0	1.1	0.9	25	0.8	1.1	1.6	1.6	1.2
	41 42	13 13	0.8	0.9	1.0 0.8	1.2 0.7	1.0 0.1	11 19	1.0 0.8	1.1	1.3	1.4 1.2	0.7
	43	25	0.8	0.9	2.7	1.5	1.1	22	0.8	1.0	1.3	1.3	0.8
	44	28	0.8	0.9	1.0	1.4	1.2	17	1.1	1.3	2.2	1.7	0.9
	45	24	0.8	1.0	1.2	1.2	1.0	21	0.9	1.0	1.6	1.4	0.7
	46	18	0.9	1.0	1.9	1.7	1.5	14	0.8	1.1	1.8	1.8	1.5
	47	27	0.8	1.0	2.0	1.8	1.6	31	0.9	1.0	2.5	2.0	1.7
	48 49	16 29	0.8	0.8	0.9 1.2	1.2 1.6	1.0 1.5	29 20	1.0 0.9	1.3	4.5 3.2	2.5 2.1	2.0
	50	19	0.8	1.0	1.6	1.0	1.9	20	1.0	1.7	2.1	1.8	1.4
	51	15	0.8	1.0	2.9	1.9	1.3	13	0.8	1.0	1.4	1.3	0.8
	52	19	0.8	0.9	1.0	1.3	1.1	26	0.9	1.2	1.8	1.6	1.2
	53	12	0.8	1.0	3.2	2.1	1.9	14	1.0	1.3	1.5	1.3	0.4

L	5		Do	wnstrea	m Direc	tion				Upstrear	n Directio	on	
Time Unit	Pd.		Т	ravel Tir	ne Estim	ate (hou	ır)			Travel Ti	me Estim	ate (hour	)
me L	Time F	Count	F	Percentil	е	•	Std.	Count		Percentil	e		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014	1176	3.2	4.7	6.8	5.9	5.4 5.8	1182	3.7	5.3	7.7	7.2	7.2 5.7
	Jan Feb	81 56	3.2 2.8	5.1 4.7	9.6 9.7	7.4 9.1	11.8	73 62	3.2 4.0	4.8 7.1	9.5 16.3	7.3 12.0	11.5
	Mar	111	2.7	4.2	6.5	5.0	3.0	127	3.8	5.7	10.7	9.4	9.7
	Apr	109	2.9	4.2	6.3	5.4	4.4	98	3.4	4.9	6.7	6.2	5.2
ے	May	114	3.6	4.6	6.2	5.7	5.7	131	3.6	5.8	7.5	6.6	6.6
Month	Jun	112	3.5	4.7	6.9	5.9	3.9	119	4.0	5.8	8.8	8.1	7.7
Σ	Jul Aug	117 102	3.6	5.2 5.3	7.0 7.6	6.3 6.4	6.6 4.1	121 91	3.6 4.4	5.2 5.8	8.0 7.7	8.4 6.4	9.8
	Sep	51	4.0	5.0	6.8	6.1	5.8	46	3.2	5.2	6.0	5.1	2.2
	Oct	94	3.1	4.6	6.5	5.5	3.3	92	3.6	4.8	7.0	6.6	8.1
	Nov	110	3.6	4.6	5.6	5.1	3.2	115	3.8	5.0	6.9	5.7	2.9
	Dec	119	3.2	4.5	5.6	5.4	5.1	107	3.4	4.7	6.0	5.3	3.4
	2	17 12	2.1 3.2	2.7 3.9	4.7 5.6	4.0 5.0	3.3 3.1	15 12	3.5 3.1	4.3 4.1	5.4 5.8	5.5 5.7	4.6 3.7
	3	15	2.4	3.2	4.0	4.1	2.6	18	3.1	5.2	10.3	7.6	6.0
	4	26	5.8	7.5	14.2	10.5	6.1	21	4.9	7.4	11.8	9.9	6.6
	5	11	3.9	16.8	17.9	12.1	6.7	9	4.1	4.5	5.0	5.4	2.8
	6	9	3.1	3.6	9.4	6.3	4.0	10	6.0	6.1	6.6	6.8	2.4
	7 8	10 18	3.0	5.3 6.6	9.9 17.6	11.3 12.0	14.2 13.0	12 17	9.4 12.6	11.7 24.7	18.6 26.5	14.0 19.4	6.6 8.9
	9	24	2.8	3.5	5.1	6.0	9.8	29	2.7	4.0	5.3	8.6	13.2
	10	30	4.1	5.5	7.4	5.9	2.7	34	3.1	4.8	8.8	6.9	5.6
	11	25	2.0	2.8	4.0	3.6	2.4	26	2.8	4.8	5.8	8.0	10.4
	12	19	2.7	5.6	9.7	6.3	3.8	30	9.3	12.5	18.3	16.5	13.2
	13	23	3.5	4.7	6.1	5.3	2.9	23	3.9	5.3	7.7	6.2	3.3
	14 15	35 23	2.7	3.4 4.3	4.2 7.8	4.1 7.3	2.2 7.7	24 13	4.3 3.0	5.3 5.8	6.3 8.5	6.9 5.5	8.2 2.4
	16	13	2.9	4.1	4.3	4.6	3.2	23	3.2	4.2	5.7	4.9	2.4
	17	27	3.1	4.3	6.0	5.3	3.4	30	4.7	5.3	10.0	7.3	4.7
	18	31	3.4	4.6	5.5	4.6	1.7	21	3.4	4.7	5.5	4.5	1.5
	19	30	3.2	5.0	6.1	4.9	1.8	31	4.0	6.6	7.4	5.8	2.2
	20	18	3.8	4.5	6.4	7.7	11.2	30	2.7	4.6	6.3	6.1	6.6
	21	32 23	3.6	4.4 5.2	5.7 6.8	6.0 5.9	5.4 3.3	27 36	3.9 5.1	5.6 6.8	6.7 9.6	7.5 7.4	11.7 3.3
	23	31	3.9	4.6	5.4	4.6	1.5	29	4.2	5.6	8.2	8.0	7.4
	24	29	3.0	4.3	4.8	4.7	2.3	28	4.7	5.7	8.0	6.8	4.0
	25	27	4.0	6.0	7.2	5.8	2.3	27	4.0	5.8	9.4	6.8	3.4
놓	26	15	2.9	6.9	8.9	7.6	5.7	25	3.0	6.1	17.7	12.2	12.8
Week	27 28	27 35	3.3 4.1	4.8 5.5	7.5	7.1 5.9	5.8 2.4	29 28	4.5	4.8 6.1	7.7 8.0	12.1 6.3	15.5 2.8
	29	25	3.3	5.2	7.9	5.6	3.2	32	3.4	4.5	6.7	5.3	3.1
	30	31	3.8	5.1	6.4	7.6	11.8	24	4.0	7.4	14.5	11.4	11.4
	31	18	6.0	7.0	9.5	7.7	2.6	22	3.3	5.8	7.2	5.4	2.1
	32	26	3.1	5.1	6.7	5.8	3.8	23	3.6	5.2	7.8	6.6	4.4
	33	28	4.9	7.4	10.2	8.4	4.9	27	5.9	7.0	9.0	7.4	2.3
	34 35	22 17	3.3 2.9	4.5 4.4	5.8 5.3	4.6 5.4	1.7 4.7	20 17	4.8 4.1	5.7 4.6	7.7 5.2	6.0 5.0	2.0
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	9	3.1	5.3	7.8	6.7	4.6	10	3.8	4.8	5.6	4.7	1.4
	39	25	4.2	4.8	5.8	6.3	7.6	22	3.0	5.4	6.0	4.8	1.7
	40	30 12	3.4 4.3	5.6 8.8	8.4 13.0	6.0 8.5	3.1 4.6	26 13	3.3 4.2	5.3 5.5	6.8 7.1	5.7 6.1	2.9
	42	16	2.9	4.3	5.4	5.3	3.7	22	2.9	3.9	5.1	5.5	6.1
	43	26	3.4	4.7	5.9	4.8	2.2	26	3.9	5.3	8.8	9.5	13.3
	44	32	2.8	4.5	5.4	4.6	1.9	21	3.7	4.0	5.4	4.8	1.9
	45	25	3.8	4.9	5.6	5.9	4.2	23	3.8	4.7	6.1	5.2	2.1
	46	24	3.4	4.2	5.0	4.2	1.4	20	2.7	3.1	5.0	3.9	1.8
	47 48	30 21	3.1	4.3 4.9	5.5 6.0	4.7 6.1	2.1 4.3	34	4.3	6.0 5.5	7.9 7.5	6.3	3.9
	49	37	3.1	4.5	6.3	5.3	4.9	28	4.0	4.8	6.7	5.5	2.4
	50	28	3.7	4.8	5.8	5.8	3.5	23	3.9	4.3	6.2	5.6	2.9
	51	20	3.3	4.2	5.4	6.2	9.1	18	2.7	4.6	5.9	6.1	6.4
	52	24	2.6	4.4	5.1	4.2	1.5	27	3.4	4.6	5.5	4.8	1.9
	53	15	3.9	4.3	6.0	5.0	2.0	17	3.4	4.8	6.0	5.0	2.2

L	6		Do	wnstrea	m Direc	tion		Upstream Direction					
Jnit	Pd.			ravel Tir			ır)					ate (hour	)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	F	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1043 66	12.0 21.7	16.2 30.5	22.1 39.3	19.8 33.8	13.5 17.4	1034 57	14.3 20.3	18.8 25.9	24.5 35.1	22.0 31.3	13.7 18.1
	Feb	40	24.2	33.9	61.1	43.1	24.5	53	23.3	33.8	48.7	36.5	18.8
	Mar	100	12.1	16.8	24.3	20.4	12.8	111	13.3	19.2	28.9	21.7	10.8
	Apr	96	11.0	14.8	19.6	17.4	11.6	83	13.2	17.8	22.0	19.9	13.4
£	May Jun	109 99	11.9 11.4	14.8 14.3	19.4 19.0	16.8 18.0	9.4 14.1	118 102	13.4 13.8	17.5 18.3	22.0 22.4	18.8 22.9	8.4 18.9
Month	Jul	101	12.3	15.1	19.8	17.7	8.9	104	14.2	17.5	22.8	20.0	10.1
	Aug	98	12.3	16.0	19.6	16.7	6.0	91	14.6	18.1	22.3	19.9	9.8
	Sep Oct	53 86	11.1 11.1	14.8 13.8	20.6 18.6	17.3 16.9	10.8 10.1	46 81	13.0 14.4	15.6 18.8	22.6 22.5	20.4 21.5	15.6 14.7
	Nov	94	12.0	15.9	21.1	17.3	6.8	100	14.9	19.4	23.6	19.8	6.2
	Dec	101	12.1	16.6	21.9	19.4	12.6	88	14.8	18.8	23.3	20.8	11.6
	1	13	13.7	22.7	34.3	27.0	15.0	10	21.7	26.7	32.0	35.3	24.2
	3	13 11	24.2 17.4	47.3 19.0	65.3 27.4	48.7 22.9	24.2 7.6	11 21	15.5 20.3	29.2 23.7	35.3 29.4	33.1 28.4	21.7 15.4
	4	20	29.2	33.3	34.8	34.9	13.8	10	19.1	23.2	40.5	30.0	14.1
	5	9	29.8	31.0	35.3	33.3	4.3	5	30.2	33.9	38.4	34.6	6.7
	6	5	30.7	33.8 67.3	37.7	46.9	28.3	10	34.7	35.1	37.7	35.5	5.6
	7 8	5 15	63.6 21.9	24.3	68.7 50.8	66.5 40.2	25.7 25.6	8 19	51.6 17.2	52.5 23.1	54.6 32.7	52.7 32.9	2.3
	9	19	24.1	30.4	50.5	36.8	16.5	24	22.8	29.5	38.3	32.8	15.6
	10	27	17.8	25.7	31.0	26.1	9.3	24	20.5	27.8	32.6	26.3	8.6
	11 12	21 18	11.9 10.8	13.3 14.1	17.7	16.1 19.6	6.9 19.5	27 25	15.0 11.8	18.7 14.3	24.2 25.6	20.9 18.6	9.6 8.0
	13	20	12.4	15.6	20.5 19.8	17.1	7.7	22	12.0	13.5	20.1	15.7	5.7
	14	32	10.1	14.0	17.7	16.0	8.6	22	14.2	17.3	23.2	19.8	9.4
	15	18	10.8	14.1	17.2	14.4	5.0	6	16.9	26.8	75.9	45.8	36.3
	16 17	14 25	11.1 11.0	15.8 13.3	26.4 17.8	26.1 14.7	23.1 5.6	17 27	10.9 14.8	13.4	18.5 22.7	14.7 19.4	5.2 5.2
	18	31	12.4	14.8	20.5	16.7	6.9	22	16.7	20.2	23.2	19.8	5.2
	19	28	12.2	16.2	19.7	19.2	15.6	29	13.5	18.8	22.5	19.4	7.2
	20	15 31	12.5 12.5	15.0 15.8	18.0 20.6	15.3 17.4	4.0 6.5	26 26	11.4 15.2	15.7 16.8	20.3	17.4 19.2	6.7 8.5
	22	21	12.3	14.3	18.2	15.2	5.5	31	14.0	16.8	20.3	18.7	10.8
	23	27	13.0	15.6	19.6	21.3	20.7	25	13.3	16.5	20.3	20.5	19.1
	24	28	11.1	13.4	22.2	19.3	13.6	27	16.5	20.8	24.0	25.6	21.6
	25 26	25 11	12.1 11.7	15.2 11.9	19.3 14.2	16.3 14.5	7.8 7.6	26 14	15.9 14.0	17.7 18.9	19.8 39.2	20.7	15.8 21.8
Week	27	24	11.2	15.0	19.2	16.7	7.9	26	14.3	17.0	22.3	20.8	10.0
>	28	34	12.6	15.4	20.6	19.5	12.0	24	13.5	17.3	23.0	18.4	6.5
	29	21	10.9	16.2	18.5	15.5	4.8	27	13.6	15.5	20.7	18.2	10.3
	30 31	23 16	11.4	14.6 17.7	19.2 21.0	16.0 17.6	6.2 5.2	21	18.1 14.8	21.4 17.4	27.7	23.6 18.9	12.8 5.5
	32	25	13.1	15.6	19.7	16.6	5.0	24	12.1	17.7	24.4	19.4	9.2
	33	26	12.9	16.5	18.7	15.8	4.1	23	15.5	18.1	21.0	19.0	4.8
	34 35	23 15	12.5 11.2	15.9 15.4	21.3 18.2	18.5 15.9	7.9 6.7	23 15	15.0 15.3	17.7 18.5	22.4 21.1	19.5 22.6	7.0 17.7
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	12	11.6	17.2	21.2	21.2	19.7	12	12.3	15.8	24.8	23.4	22.1
	39 40	25 28	11.1 10.7	14.4 12.7	21.2 16.6	16.3 14.2	6.0 4.7	23 24	14.0 13.6	16.8 16.3	22.8	21.2 16.9	14.3 4.3
	41	7	12.9	14.7	19.6	16.1	3.9	11	12.0	13.4	17.0	14.9	5.5
	42	15	10.3	12.1	16.0	15.3	9.1	19	16.0	21.4	28.3	27.4	21.3
	43 44	28	12.5	15.8	20.1	19.6	14.2	22	17.4	20.4	22.2	23.0	16.3
	45	28 24	11.5 11.6	15.3 15.4	18.4 19.8	16.8 16.6	6.8 7.0	18 22	14.7 14.5	16.5 18.3	20.5	19.2 19.1	8.1 6.0
	46	20	12.1	17.2	24.2	17.8	6.3	17	12.0	19.7	23.5	19.5	6.3
	47	26	14.1	18.2	21.8	18.6	5.7	30	16.0	19.7	24.3	20.6	6.6
	48	17	11.7	14.1	15.3	16.2	8.4	23	15.3	22.5	24.4	20.6	6.3
	49 50	35 24	12.1 13.5	16.4 17.4	22.6 21.5	19.0 18.3	11.4 7.2	27 17	16.7 13.8	20.3	25.5 19.8	24.6 18.2	15.1 5.1
	51	16	12.1	18.8	24.6	25.7	23.0	17	14.2	17.9	21.8	20.3	15.5
	52	19	11.4	14.7	20.2	16.8	7.4	22	15.6	19.9	23.3	19.8	4.6
Ц	53	10	15.7	17.8	20.6	18.3	4.1	11	14.3	15.2	19.0	16.1	3.2

L	7		Do	wnstrea	m Direc	tion				Upstrear	n Directi	on	
Unit	Pd.		Travel Time Estimate (hour)						Travel Time Estimate (hour)				
Time	Time Pd.	Count	F	Percentil	е	†	Std.	Count	F	Percentil	e	1	Std.
	_		25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1288 90	1.9 3.6	3.2 6.7	6.2 9.8	5.3 8.4	6.8 7.3	1270 84	2.7	4.2 4.8	7.0 9.3	6.1 8.3	6.7 9.5
	Feb	71	1.7	2.9	4.8	4.6	6.1	76	3.3	4.9	8.1	7.2	8.0
	Mar	122	1.6	1.8	2.2	2.9	5.8	128	2.0	2.7	4.0	4.2	5.0
	Apr	114	1.7	2.2	4.5	4.0	4.7	102	2.5	3.4	5.8	4.7	4.2
ج	May	127	1.9	2.8	5.6	5.6	9.5	137	2.8	4.4	6.3	5.9	6.1
Month	Jun Jul	121 121	1.8	2.2 1.9	4.5 2.6	4.8 3.3	8.6 5.9	124 116	2.6	3.9	6.2 5.0	5.7 4.5	7.5 5.8
2	Aug	112	3.4	5.2	8.3	6.0	3.4	102	4.0	5.3	8.0	6.8	5.9
	Sep	57	2.0	4.2	8.1	6.8	9.4	52	2.6	3.2	6.2	6.0	8.3
	Oct	100	2.0	3.4	5.1	4.9	6.3	95	2.6	4.2	6.4	5.6	5.9
	Nov	118	3.2	4.6	7.7	6.3	6.3	123	3.8	5.5	9.0	7.9	8.5
	Dec 1	135 13	3.9 4.7	5.6 6.7	7.8 9.2	6.6 8.2	4.8 4.8	131	4.1 4.4	5.8 7.9	8.8 14.7	7.0 11.3	4.6 10.2
	2	16	4.1	10.8	27.7	15.1	12.6	16	4.9	9.3	19.1	14.7	14.5
	3	17	2.1	3.7	5.6	5.0	4.8	28	1.9	2.4	3.4	4.0	3.4
	4	24	4.9	7.7	9.9	7.7	3.7	19	3.8	5.0	6.7	7.3	6.7
	5	24	3.8	6.7	9.4	8.9	8.9	8	3.7	5.4	7.9	7.6	6.4
	6 7	9	2.5	3.2 4.1	5.0 4.7	3.9	2.3	19 12	3.7 4.6	5.1 7.0	9.7 7.6	6.7 6.4	3.8 2.3
	8	22	1.9	3.3	4.7	3.9 4.1	3.7	25	2.9	4.0	6.2	5.1	3.4
	9	24	1.5	1.7	3.0	3.1	2.9	28	2.1	3.6	8.2	8.6	12.3
	10	29	1.7	1.8	3.3	2.6	1.6	23	1.9	2.1	4.0	5.7	7.7
	11	30	1.6	1.8	2.0	4.4	11.2	31	2.1	2.6	4.9	3.8	2.7
	12	25	1.6	1.8	2.3	2.7	2.3	34	2.1	2.6	3.1	4.3	6.3
	13 14	25 39	1.6	1.8 1.8	2.2	2.2	1.3 1.3	26 28	2.3	3.2 2.8	4.0 3.7	3.7 3.2	1.2
	15	17	1.7	1.9	2.3	3.5	6.1	8	2.4	3.7	5.1	4.3	2.5
	16	22	1.5	2.0	2.5	2.4	1.4	21	2.2	2.7	4.1	5.2	7.3
	17	30	1.7	2.4	5.9	5.1	5.9	34	2.5	3.4	4.0	3.9	2.1
	18	35	4.2	4.8	6.5	6.2	4.1	23	5.7	7.6	8.8	8.5	5.5
	19	29	4.2	5.3	7.1	7.0	7.2	34	4.8	5.5	7.8	6.3	2.4
	20	22 32	2.3 1.7	4.5 2.0	8.0 2.6	11.6 3.5	18.9 4.8	31	2.7	4.0 3.5	6.2 6.2	4.9 5.3	2.8 4.2
	22	28	1.7	1.9	2.1	2.0	0.7	36	2.3	3.1	5.3	6.4	9.7
	23	30	2.0	4.6	7.6	6.9	8.3	31	3.5	5.5	7.2	5.7	2.8
	24	30	1.7	2.2	2.8	2.8	1.7	29	2.6	3.5	5.8	4.5	2.4
	25	33	1.9	2.2	3.2	6.3	13.7	33	2.8	4.0	5.0	6.1	8.9
Week	26 27	16 25	1.7	2.0 1.9	2.1	3.1 2.5	3.0 1.8	22 26	2.4	3.0	4.9 4.0	7.4 3.5	13.3
š	28	41	1.7	1.9	2.1	2.1	0.7	29	2.4	2.8	4.7	5.5	10.5
	29	26	1.5	1.9	2.4	5.2	11.7	31	2.3	2.6	3.4	3.4	2.2
	30	28	1.7	1.9	2.2	2.2	1.0	23	2.5	3.6	4.2	3.7	1.6
	31	22	4.6	5.9	9.6	7.0	3.5	23	5.8	6.2	7.4	7.2	3.4
	32	30 32	4.1	4.8 6.7	7.4 8.8	6.2	4.1 2.8	30 24	4.2	5.1 7.3	7.6 9.0	7.0 7.2	7.9 2.6
	34	22	4.0	5.0	7.2	5.7	2.5	27	4.9	5.0	7.3	6.2	3.7
	35	19	1.9	3.1	7.0	4.4	3.1	14	3.5	3.9	5.9	6.8	8.9
	36	0	-	-	-	-	-	0	-	-	-	-	-
	37	0	-	-	-	-	-	0	-	-	-	-	-
	38	12	1.7	2.1	4.3	9.4	18.1	12	2.4	3.4	6.2	7.8	11.9
	39 40	33 28	2.0 4.4	3.7 6.5	6.3 9.4	5.4 8.1	4.8 8.0	29 28	2.8 3.9	3.1 5.5	4.1 7.4	4.3 8.9	3.6 11.1
	41	13	1.7	2.3	4.6	3.2	1.9	12	2.0	2.7	3.8	3.7	2.4
	42	16	1.9	2.1	3.5	4.9	9.1	19	2.7	4.0	7.9	5.1	3.2
	43	31	1.8	2.1	3.8	3.8	4.7	27	2.1	2.9	5.3	4.5	4.1
	44	30	3.5	5.2	7.2	5.4	2.4	23	3.6	5.0	8.1	8.1	12.7
	45 46	26 30	3.6	5.0 4.5	6.8 5.2	5.1 4.9	2.1	29 20	4.4 3.6	5.8 4.6	7.2 5.4	6.3 4.7	2.9 1.5
	46	27	4.5	7.8	10.5	9.3	8.6	34	5.4	8.7	12.3	9.9	7.8
	48	27	2.0	3.1	5.7	6.0	8.5	32	3.2	5.0	8.3	7.4	6.4
	49	30	2.9	4.8	9.0	6.1	4.3	28	3.1	4.8	8.4	7.4	7.8
	50	35	3.7	5.2	7.5	5.7	2.8	24	3.9	4.5	7.3	7.1	7.9
	51	20	5.7	8.0	11.6	9.8	8.5	33	3.8	6.0	9.6	6.9	3.6
	52 53	36 16	4.4 3.7	5.4 4.9	7.0 6.1	6.4 5.2	4.0 1.7	38 13	5.0 4.4	7.1 5.8	8.8 8.5	7.2	3.1
ш	JJ	ıυ	J.1	4.9	O. I	J.Z	1.7	13	4.4	ს.ბ	ი.ა	7.1	3.3

L	8		Do	wnstrea	m Direc	tion		Upstream Direction					
Jnit	Pd.			ravel Tir			ır)				ne Estim		.)
Time Unit	Time P	Count	F	ercentil	е		Std.	Count	F	Percentil	е		Std.
-			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1156 96	12.1 14.4	15.6 21.5	21.3 36.8	20.3 34.2	17.1 29.3	1138 83	15.8 16.0	19.2 19.2	23.0 24.8	21.5 21.9	13.2 8.7
	Feb	70	11.9	14.7	22.2	18.9	12.9	93	14.2	17.7	21.8	21.9	16.0
	Mar	116	9.8	12.8	18.3	16.2	13.3	118	13.4	16.5	19.4	17.5	9.1
	Apr	107	10.4	13.3	18.9	17.5	15.0	100	14.6	18.9	22.1	21.8	13.5
£	May Jun	119 79	11.8 12.8	14.0 15.2	17.2 20.3	16.9 20.8	12.9 19.1	134 77	16.6 16.6	19.2 19.8	22.5 23.0	21.3 23.4	12.4 18.4
Month	Jul	61	13.0	17.2	22.3	23.4	21.4	62	16.0	20.3	22.6	26.0	23.8
	Aug	115	13.2	16.8	21.1	21.4	17.7	99	17.3	21.1	24.0	22.0	11.1
	Sep Oct	53 93	11.7 12.7	15.7 16.8	20.0	17.5 20.9	9.7 17.5	50 77	15.0 15.2	18.7 17.7	22.0 21.9	26.5 18.7	24.9 4.8
	Nov	117	12.8	16.7	22.3	18.1	7.1	122	16.8	19.8	23.9	20.1	5.2
	Dec	130	12.6	15.7	21.6	19.4	13.4	123	17.3	21.6	24.3	21.8	7.0
	1	12	17.0	21.0	27.7	22.3	7.4	6	18.6	21.5	23.7	23.2	6.5
	3	13 19	43.4 26.3	65.4 60.1	103.3 95.6	70.6 58.4	33.6 33.8	14 30	19.5 15.3	23.7 18.5	26.3 25.0	27.2 20.6	11.7 6.8
	4	26	13.3	13.8	16.9	15.5	3.2	26	15.8	18.5	22.4	20.7	7.8
	5	27	14.2	17.8	30.2	22.3	9.4	12	15.4	17.7	19.1	18.4	7.1
	6	15	19.8	28.7	34.0	26.1	8.4	21	14.8	20.3	29.9	23.2	9.6
	7 8	16 16	14.0	19.1 12.9	23.6 15.8	20.4 19.4	8.4 21.6	20	18.7 12.5	21.1 15.8	33.3 19.5	30.8 21.1	22.5 19.5
	9	24	10.5	12.1	14.2	12.7	3.3	32	11.5	15.9	17.9	15.7	5.4
	10	28	10.9	16.0	19.5	16.2	6.5	19	13.1	14.7	18.8	16.6	4.7
	11 12	31 20	9.8	11.8 12.5	16.2 18.2	14.0 22.2	5.9 28.2	37 29	13.5 15.0	17.1 16.1	19.4 19.5	16.3 20.4	3.4 16.4
	13	23	10.6	15.2	19.0	15.6	6.2	29	13.5	17.9	18.6	17.0	4.1
	14	36	10.1	12.6	18.2	14.3	5.6	23	14.5	21.8	24.0	19.7	5.3
	15	17	10.1	13.1	17.2	25.0	26.5	17	13.7	18.0	20.4	27.1	25.3
	16 17	20 29	10.4	13.1 13.7	18.7 23.3	14.4 19.5	5.4 17.7	20 34	14.0 17.4	17.5 18.9	20.2	20.5	14.8 7.1
	18	34	11.7	14.8	17.4	14.6	3.9	22	15.1	19.9	21.9	19.7	5.3
	19	26	13.1	14.1	15.5	16.0	8.0	29	16.7	20.4	24.2	19.8	5.2
	20	24 31	10.7 11.6	13.2 12.9	18.0 15.4	16.9 14.0	14.9 4.0	30 34	15.5 18.3	18.2 19.4	22.3 21.7	18.8 21.6	5.3 12.1
	22	21	12.7	13.9	22.8	23.4	22.6	30	16.9	19.4	21.7	25.9	20.7
	23	26	13.1	15.7	21.2	19.9	13.6	25	15.6	18.1	21.8	23.2	20.2
	24	28	12.6	16.0	20.0	16.9	5.5	28	16.5	19.4	21.9	21.9	18.3
	25 26	13 4	12.2 70.3	13.3 100.6	14.0 112.1	13.2 81.8	1.6 40.3	22 0	18.0	20.3	24.1	22.0	7.4
Week	27	12	14.4	20.6	25.9	24.9	18.8	13	20.0	20.5	26.3	39.6	35.2
>	28	3	18.5	20.9	21.7	19.8	2.7	3	57.6	96.1	96.2	70.5	36.4
	29 30	19	14.5	20.3	28.7	33.5	31.1	15	12.8	14.8	19.9	15.9	4.1
	31	23 19	12.8 12.8	15.0 20.5	17.7 23.8	16.7 19.1	9.2 6.8	19 24	19.0 17.9	21.6	22.9 26.1	25.4 25.6	21.6
	32	31	13.9	16.8	25.1	22.9	16.7	30	14.7	20.7	24.1	20.2	6.2
	33	34	12.7	16.1	17.7	15.7	4.6	22	20.3	21.6	23.9	22.3	4.1
	34 35	22 21	13.5 12.9	19.6 15.7	22.4 19.0	20.4	10.1 32.1	23 14	16.1 17.8	18.9 21.7	22.6 22.9	20.3	5.7 4.5
	36	0	-	-	-	-	-	1	34.2	34.2	34.2	34.2	0.0
	37	1	14.6	14.6	14.6	14.6	0.0	2	22.6	24.3	26.0	24.3	3.5
	38	13	16.1	18.6	21.4	23.6	15.5	11	15.3	18.4	20.1	30.6	30.3
	39 40	29 20	11.4 12.2	14.0 19.6	16.8 25.8	15.1 32.2	5.2 32.9	25 16	13.8 17.1	17.6 19.9	20.8	18.6 34.0	7.8 32.6
	41	12	13.5	18.6	23.6	18.9	6.1	11	13.6	16.2	21.1	17.4	4.4
	42	19	11.9	15.5	20.4	16.5	5.1	15	15.6	17.2	21.4	18.9	5.5
	43	29 28	13.1 13.1	18.5 15.6	23.7	19.6 16.7	7.9 6.4	27	14.8 15.7	17.1 19.4	20.4	17.9 19.8	6.3
	45	29	11.7	13.0	19.2	17.2	9.1	28	17.0	19.4	23.8	19.8	4.7
	46	29	13.4	17.9	22.3	18.6	6.3	21	16.4	19.1	22.5	19.9	5.6
	47	25	13.9	15.8	20.9	17.6	5.6	36	17.3	20.9	24.1	20.4	4.6
	48 49	27 33	12.9 11.4	17.2 15.7	22.3 19.8	18.3 16.7	6.7 7.2	28 29	17.7 19.1	20.4	24.2 25.5	20.7	4.9 5.8
	50	35	13.6	19.3	23.0	19.2	7.3	25	16.5	20.7	23.7	20.4	4.3
	51	19	15.7	19.9	33.7	33.6	27.5	30	17.0	22.5	28.0	23.6	11.5
	52	32	12.5	14.5	18.3	15.9	4.6	36	16.8	19.8	23.4	20.0	3.7
Ш	53	13	11.8	13.8	20.0	15.3	4.6	8	20.3	22.8	24.2	22.2	2.3

L	9									Upstrear	n Directio	on	
Time Unit	Pd.	Travel Time Estimate (hour)						-	Travel Ti	me Estim	ate (hour	.)	
me l	Time F	Count	F	Percentil	е		Std.	Count		Percentil	e		Std.
_			25th	50th	75th	Avg.	Dev.	_	25th	50th	75th	Avg.	Dev.
Υ	2014 Jan	1278 112	1.7 2.1	2.3 7.7	6.4 11.2	4.9 8.9	5.7 8.1	1277 97	2.3	3.4 4.2	6.0 10.3	5.0 7.4	5.3 7.6
	Feb	78	1.6	7.1	12.9	8.6	8.7	110	2.6	7.2	10.8	8.3	7.5
	Mar	126	1.4	1.6	1.8	1.7	0.7	134	2.0	2.3	2.7	2.5	0.9
	Apr	116	1.6	1.9	2.4	3.1	2.8	106	2.1	2.5	3.5	3.3	2.5
th	May Jun	121 80	1.8	2.9	5.6 2.2	4.6 2.0	6.9 0.6	136 75	2.3	3.5 2.5	5.1 3.0	4.3 3.5	3.9 6.9
Month	Jul	62	1.8	1.9	2.3	3.3	6.2	66	2.2	2.5	3.9	3.5	2.2
	Aug	115	2.6	5.1	7.3	5.5	4.6	110	3.2	4.9	7.5	6.2	6.2
	Sep	105	1.6	2.0	4.0	3.4	3.4	86	2.3	3.0	4.2	3.7	2.3
	Oct Nov	99 127	1.7 3.5	1.9 5.0	7.4	3.3 6.3	3.8 5.1	86 133	2.1 3.5	2.6 5.4	3.6 7.4	3.1 6.4	1.5 6.5
	Dec	137	3.1	5.8	9.6	7.1	5.6	138	4.1	6.0	8.3	6.6	3.6
	1	12	7.2	9.2	10.6	9.4	3.1	5	5.0	6.8	9.4	7.7	3.3
	2	5	6.5	6.7	22.5	12.7	8.1	16	6.1	9.7	10.4	8.5	3.2
	3 4	28 31	1.8	1.8 6.0	2.1 11.2	3.9 8.3	7.6 6.5	26 38	2.0	2.2 4.0	2.3 9.3	4.2 6.1	8.8 4.6
	5	37	8.3	9.9	15.4	12.6	8.7	18	7.2	12.3	20.1	14.5	8.9
	6	19	10.0	12.6	17.8	16.1	11.8	28	6.6	9.8	17.5	13.1	10.9
	7	22	7.3	11.3	13.8	11.0	4.7	21	8.7	9.9	14.9	11.9	4.5
	8	8 34	4.0 1.4	8.8 1.5	12.4	8.3 1.5	4.8 0.3	21 39	4.4 2.1	7.2 2.3	9.3 2.6	7.1 2.6	3.4 1.6
	10	31	1.4	1.7	1.8	1.6	0.3	25	2.0	2.3	3.4	2.7	1.1
	11	31	1.5	1.7	2.0	2.1	1.3	41	2.0	2.2	2.5	2.4	0.9
	12	21	1.4	1.5	1.7	1.6	0.5	29	2.1	2.4	2.8	2.6	0.9
	13	27	1.5	1.7	1.8	1.6	0.3	24	2.1	2.3	2.5	2.6	0.8
	14 15	41 15	1.4 1.5	1.7 1.7	1.9	1.9	1.0 0.4	28 16	2.0 1.9	2.3	3.4 2.7	3.2 2.5	3.4 0.9
	16	22	1.5	1.9	2.0	1.7	0.3	24	2.0	2.3	2.6	2.4	0.6
	17	25	1.6	1.7	2.0	1.9	0.7	36	2.2	2.5	3.3	2.9	1.1
	18	38	6.3	7.4	9.4	7.4	2.7	26	5.4	6.0	7.5	6.5	2.7
	19 20	29 27	4.0 2.1	5.0 4.2	7.3 5.2	5.7 3.9	2.2 1.9	32	4.2 2.3	5.0 3.2	6.0 4.5	5.3 3.9	1.8 2.6
	21	32	1.6	1.8	2.0	4.2	12.1	33	2.3	2.6	3.3	3.9	6.9
	22	18	1.7	1.8	2.1	3.2	5.8	24	2.2	2.3	3.5	2.8	1.0
	23	31	1.7	2.0	2.2	2.2	0.8	27	2.0	2.4	3.0	3.0	2.0
	24 25	30 16	1.7	2.0 1.9	2.1	1.9	0.4	30 18	2.2	2.5 2.7	2.7 3.2	2.5 6.0	0.6 13.6
J	26	0	-	-	-	-	-	0	-	-	-	-	-
Week	27	8	1.6	1.7	2.0	7.7	15.8	5	2.3	2.3	2.4	2.4	0.1
_	28	0	-	-	-	-	-	0	-	-	-	-	-
	29 30	13 29	1.8	1.8 1.9	2.1	1.9 2.1	0.4	16 25	1.7 2.3	1.9 2.7	2.4 3.5	2.1 3.0	0.6
	31	19	1.9	4.0	6.9	4.5	2.6	26	2.9	4.5	6.4	5.2	2.8
	32	26	5.5	7.0	9.3	7.2	2.5	31	5.8	7.9	10.8	10.3	10.1
	33	34	3.2	5.1	6.3	4.9	2.0	23	4.3	5.2	5.9	5.5	1.9
	34 35	26 21	3.9 1.5	5.3 1.9	7.5 2.6	5.8 4.7	2.4 9.4	21 27	3.7 2.7	4.5 3.1	5.7 4.2	4.9 3.9	2.2
	36	31	2.2	3.9	5.6	4.8	3.9	19	2.8	4.7	6.2	5.0	2.5
	37	14	1.5	1.8	2.4	2.5	2.0	14	2.3	3.1	3.8	4.0	3.0
	38	24	1.1	1.6	1.8	1.5	0.4	21	2.1	2.3	2.7	2.4	0.5
	39 40	26 24	1.4 3.0	1.8 4.0	2.1 6.1	1.7 5.3	0.4 3.9	23 15	2.1 3.5	2.4 4.7	3.5 6.6	2.8 5.0	0.9 2.2
	41	12	1.6	1.8	2.0	1.8	0.7	12	2.0	2.3	2.7	2.6	0.8
	42	18	1.6	1.9	2.1	2.7	3.6	15	2.0	2.4	3.7	3.2	1.9
	43	32	1.7	1.8	2.0	1.9	0.4	32	2.1	2.5	3.2	2.9	1.3
	44 45	29 34	1.8 4.1	2.1 6.2	11.8	5.8 7.5	5.6 4.4	30 29	2.4 3.8	3.4 5.5	4.9 7.1	3.7 5.9	1.5 2.7
	46	34	4.1	5.5	6.8	5.8	2.6	26	4.9	6.1	7.1	8.6	12.8
	47	23	3.7	4.3	5.8	4.8	1.8	34	4.9	6.1	8.6	7.2	4.1
	48	30	1.9	4.8	9.2	7.3	8.3	30	3.0	4.1	7.4	5.3	3.1
	49 50	35 32	1.6 4.8	2.0 7.1	6.3 9.8	4.4 7.7	3.7 4.0	30 32	2.4 4.2	2.9 5.9	3.3 8.4	3.7 7.2	2.6 4.3
	51	25	6.3	7.1	9.8	11.2	8.2	32	6.1	7.5	9.9	8.3	3.7
	52	34	3.7	5.9	9.7	7.2	4.8	37	5.3	6.2	8.3	7.0	2.5
	53	15	2.0	2.5	5.2	3.4	1.8	14	2.4	4.9	6.6	5.0	2.5

L	10	Downstream Direction							Upstream Direction						
Jnit	Pd.		Travel Time Estimate (hour)							Fravel Ti	me Estim	ate (hour	)		
Time Unit	Time F	Count	P	ercentil	е		Std.	Count	ı	Percentil	е		Std.		
			25th	50th	75th	Avg.	Dev.		25th	50th	75th	Avg.	Dev.		
Υ	2014 Jan	916	3.3	3.9 3.9	5.1 4.8	5.3 5.3	4.1	895 74	4.4	5.5 5.1	7.2 7.5	6.5 6.9	3.3 4.1		
	Feb	80	3.2	4.1	7.7	6.7	6.0	103	4.4	5.8	9.8	7.6	5.0		
	Mar	106	2.8	3.4	5.4	4.6	2.9	117	4.1	5.1	6.9	6.0	2.8		
	Apr	81	3.2	3.7	4.3	4.1	2.0	69	4.4	5.3	6.4	6.0	2.8 3.1		
ţ	May Jun	65 52	3.7	4.1 3.9	4.7 4.5	4.7 4.9	4.0	72 45	4.8	5.8 5.7	7.2 6.6	6.5 5.8	1.6		
Month	Jul	45	3.5	3.8	4.4	4.8	4.2	60	4.6	5.2	6.6	5.7	1.6		
	Aug	92	3.7	4.2	4.6	5.3	4.5	77	5.1	5.8	7.1	6.3	2.3		
	Sep Oct	65 69	3.7	4.2 3.8	5.9 6.7	6.2 5.4	5.3 3.6	69 60	4.2 4.1	5.3 5.0	7.0 6.8	5.8 5.6	2.3		
	Nov	78	3.6	4.4	6.4	5.8	3.4	75	4.6	5.7	7.2	6.5	3.2		
	Dec	77	3.5	4.2	5.7	5.6	4.4	74	5.3	6.8	8.8	7.9	4.1		
	1	9	4.7	5.8	7.8	7.5	4.8	6	5.2	6.5	9.3	8.9	5.5		
	3	8 31	4.0 3.2	5.9 3.5	12.2 4.2	10.2 4.4	8.6 3.2	16 3	4.7 5.2	6.7 5.6	13.7 12.0	8.9 9.6	5.1 6.3		
	4	30	3.3	3.8	4.9	4.4	1.8	38	4.1	4.9	6.3	5.6	2.2		
	5	31	3.7	4.0	4.6	5.1	2.7	13	4.2	4.5	7.1	6.6	4.0		
	6	16	4.7	9.0	14.0	10.1	6.0	29	5.2	10.0	11.9	9.2	4.2		
	7 8	23 12	3.9	4.2 3.8	5.9 4.5	6.1 4.4	3.9 1.7	18 22	4.9 3.9	7.3 5.3	14.5 6.5	10.0 5.5	6.4 2.0		
	9	31	2.7	2.8	4.0	5.9	7.4	36	4.0	4.7	6.4	6.3	5.1		
	10	29	2.8	3.5	5.5	5.2	3.4	23	3.8	4.2	5.2	4.9	1.6		
	11 12	23 16	3.0 2.8	3.5 3.0	5.2 3.5	4.8	3.0 2.2	32 27	4.1 4.1	4.9 5.9	7.4 6.8	6.1 5.8	3.1 1.9		
	13	25	3.1	3.6	5.7	4.4	2.4	20	4.1	5.5	7.3	6.2	2.5		
	14	35	2.8	3.7	4.8	4.5	2.6	23	4.8	6.3	8.3	7.4	4.3		
	15	8	3.2	3.4	3.9	3.7	8.0	11	4.5	4.9	5.3	5.8	2.6		
	16 17	16 16	2.9 3.0	3.5 3.5	3.8 4.0	3.9	2.4 0.7	14 23	3.9 4.4	5.2 5.3	6.1 6.6	5.5 5.6	2.0 1.5		
	18	18	3.7	4.1	4.5	4.6	2.1	12	4.8	5.2	6.1	6.4	3.5		
	19	18	3.7	4.0	4.2	4.4	1.8	19	4.3	5.0	6.8	5.5	1.9		
	20	13	3.9	4.4	4.7	4.6	1.1	19	5.1	6.5	7.7	6.9	2.8		
	21 22	19 11	3.4	4.3 3.9	5.2 4.6	5.0 4.9	2.5 3.3	15 16	5.0 4.8	5.9 5.8	7.4 6.7	7.7 6.1	5.0 1.7		
	23	18	3.8	4.2	5.9	6.4	6.3	16	4.6	5.5	6.6	5.7	1.5		
	24	19	3.3	3.9	4.4	4.0	1.1	21	4.6	5.7	6.8	6.0	1.8		
	25 26	12 0	3.3	3.9	4.7	4.5	1.8	8	4.8	5.3	6.0	5.6 -	1.1		
Week	27	4	3.1	3.5	3.9	3.5	0.6	3	5.5	6.6	7.3	6.3	1.5		
>	28	0	-	-	-	-	-	0	-	-	-	-	•		
	29	9	3.5	3.7	4.7	4.7	2.0	16	4.1	5.1	6.7	5.5	1.9		
	30 31	24 12	3.4	3.7 4.0	3.9 4.7	4.0 6.6	1.6 7.4	25 19	4.5 5.0	5.1 5.7	6.9 6.3	5.7 5.8	1.5		
	32	25	3.6	4.2	4.5	5.3	5.5	21	4.7	6.4	8.4	7.0	2.9		
	33	27	3.8	4.3	4.6	4.6	2.1	17	5.2	6.0	7.2	6.7	2.4		
	34 35	23	3.9	4.3 3.9	5.0 4.3	6.0 4.8	5.7 2.7	16 19	4.0 5.1	5.6 5.6	6.9 6.3	5.9 5.6	2.3 1.2		
	36	13 20	3.8	4.1	4.3	5.1	2.7	15	5.1	5.8	7.6	6.6	2.2		
	37	12	3.4	5.0	10.0	7.0	4.0	11	4.6	4.8	7.2	6.1	2.4		
	38	13	3.7	3.9	5.7	5.4	3.3	18	3.9	4.4	6.0	5.0	1.4		
	39 40	16 13	3.6	4.1 3.9	5.8 4.4	5.6 7.9	3.8 9.5	17 12	3.6 5.4	4.4 6.9	6.1 8.8	5.4 7.0	2.6		
	41	10	3.2	3.5	4.4	3.8	0.8	11	3.9	4.3	6.0	4.9	1.3		
	42	12	3.4	4.2	7.3	6.4	4.7	12	4.1	4.8	5.8	5.6	2.6		
	43	22	3.2	4.2	8.3	6.4	4.1	23	4.2	4.6	7.2	5.7	2.2		
	44 45	21 17	3.7	4.1 3.9	5.1 4.7	5.1 4.7	2.8	14 16	4.6 4.9	5.2 6.1	6.6 9.8	5.5 7.8	1.2 3.8		
	46	24	3.6	4.5	6.2	6.2	4.1	16	4.6	5.7	7.2	6.4	2.6		
	47	15	4.0	5.3	6.4	5.8	2.7	20	4.6	6.0	6.4	6.4	3.5		
	48 49	18 23	3.8	5.7 3.5	7.8 5.7	6.5	3.5 6.0	16 17	4.8	6.0 6.5	7.7 8.0	6.6 6.5	2.6		
	49 50	16	4.1	3.5 4.4	5.7	5.6 5.9	3.3	18	4.9	6.8	8.4	8.0	4.5		
	51	15	4.0	4.8	5.3	5.6	3.2	14	5.8	7.1	9.3	8.4	3.8		
	52	16	3.6	4.2	5.3	5.8	4.5	20	5.3	6.7	8.6	7.2	2.5		
Ш	53	9	3.2	3.8	4.0	4.1	1.6	9	5.4	6.3	8.8	8.9	7.1		

L	11		Do	wnstrea	m Direc	tion		Upstream Direction					
_				ravel Tin			ır)	Travel Time Estimate (hour)					)
Time Unit	ne Pd.	Į,	F	ercentil	е		Std.	Į,	F	Percentil	9		Std.
Ë	Time F	Count	25th	50th	75th	Avg.	Dev.	Count	25th	50th	75th	Avg.	Dev.
Υ	2014	1143	8.4	9.8	11.2	11.5	9.3	1147	10.8	12.9	15.2	14.6	9.1
	Jan	104	9.5	11.0	14.7	14.2	7.6 9.6	68	10.9	12.9	19.9	17.9	12.3 6.9
	Feb Mar	87 126	7.8 7.1	9.6 8.1	11.6 9.4	12.4 9.2	7.5	112	10.3	12.1 11.8	16.9 13.9	14.7 12.2	3.3
	Apr	109	7.9	9.1	10.2	10.7	10.7	99	10.7	12.8	14.7	15.7	14.6
٦	May	113	8.8	10.0	10.8	11.8	10.5	119	10.9	12.6	14.4	13.1	3.8
Month	Jun	77	8.3	9.7	10.9	11.7	10.9	74	11.5	13.3	15.4	14.8	8.4
Σ	Jul Aug	54 101	8.3 9.4	10.0 10.7	10.5 12.1	12.5 11.8	13.1 5.7	68 102	11.0 11.7	13.0 14.0	15.2 16.5	17.2 15.7	15.8 10.4
	Sep	40	8.4	9.9	11.7	14.0	17.4	44	11.3	13.5	16.0	15.2	11.3
	Oct	89	8.3	9.7	11.2	11.8	10.1	80	10.5	12.1	14.9	13.3	5.3
	Nov	121	9.2	10.0	11.3	10.4	2.2	126	11.3	12.9	15.4	13.8	4.6
-	Dec 1	122	8.8 9.8	10.2	11.4 10.8	11.1	7.2 1.0	123 3	11.7 12.2	13.6 12.6	15.2 13.0	14.9 12.6	8.5 0.7
	2	0	-	-	-	-	-	3	12.4	13.6	30.5	24.1	16.6
	3	33	11.4	19.0	27.6	20.4	9.4	13	22.8	34.7	43.7	34.1	15.9
	4	35	8.9	9.7	12.2	12.1	5.7	32	10.3	12.6	15.3	13.9	5.5
1	5 6	36 18	9.7	10.0 15.9	11.1 18.9	10.5 19.1	1.5 9.7	23 24	10.7 12.4	11.7 19.5	13.1 23.0	12.6 19.7	5.2 8.5
1	7	24	8.8	10.0	11.3	10.8	3.4	22	13.5	17.1	23.5	19.7	8.2
	8	15	7.8	9.5	10.7	15.3	16.5	23	9.7	11.8	13.0	11.3	2.3
	9	37	6.3	7.4	8.2	7.9	3.1	41	10.2	11.3	12.4	11.6	2.2
	10	29 32	7.3 7.2	8.7 8.3	9.0	9.0	2.0 14.3	24 43	10.8 8.9	11.0 11.4	12.1 14.3	11.4 11.6	1.3 2.9
	12	16	7.2	7.9	8.7	8.2	1.3	26	10.9	12.6	13.7	12.4	2.0
	13	30	6.7	8.3	9.1	8.4	2.2	26	10.7	12.5	14.4	13.5	4.8
	14	41	7.5	8.7	9.8	11.6	13.4	25	10.7	12.2	15.8	13.2	3.6
	15 16	12 20	7.0	8.5 8.9	10.4 9.5	14.7	19.9 1.8	17 19	10.9	12.6	13.9	17.4	19.6
	17	25	8.0 7.5	9.0	10.0	8.8	1.7	37	11.2	13.4 12.8	15.8 13.9	23.4 12.6	25.6 2.7
	18	35	8.8	10.1	10.9	9.9	1.5	25	11.5	12.9	14.7	13.2	2.7
	19	27	9.6	10.2	10.5	9.8	1.4	32	10.5	12.5	14.8	12.6	3.3
	20	24 28	9.3 7.7	10.7 9.7	11.9 10.8	16.9 9.6	17.9 2.3	27 29	9.7 11.2	12.1 12.9	13.5 14.7	12.1 13.4	2.9 3.3
	22	20	8.9	9.5	10.5	12.9	13.4	16	11.9	12.8	14.7	14.8	6.6
	23	28	9.2	10.7	11.3	13.0	11.8	29	10.7	13.5	14.6	14.1	7.5
	24	29	8.2	9.5	10.6	9.9	2.8	28	12.2	13.3	15.7	14.0	2.6
	25 26	17 1	8.0	9.4 8.9	9.8 8.9	8.9 8.9	1.4 0.0	15 1	11.4 71.3	13.2 71.3	15.7 71.3	13.8 71.3	3.6 0.0
Week	27	5	8.0	9.2	11.2	23.2	28.7	6	12.1	12.4	12.6	12.7	1.9
>	28	0	-	-	-	-	-	0	-	-	-	-	-
	29	12	8.9	9.9	10.7	14.2	14.3	20	10.8	12.2	15.7	19.3	20.6
	30	25 19	7.7 9.7	9.9 10.7	10.3 12.6	13.5 10.8	16.2 2.0	28 24	10.3	13.3 14.2	14.4 16.3	18.2 14.3	16.9 3.2
	32	30	9.9	11.1	12.3	13.5	8.7	29	12.3	13.3	17.1	17.1	14.5
1	33	29	9.0	10.3	11.7	10.4	2.0	22	12.4	14.5	16.4	14.4	3.1
1	34	25	9.1	10.7	12.1	11.7	4.5	24	10.1	12.5	14.6	14.7	9.7
1	35 36	12 0	8.1	9.6	10.9	10.8	4.8	18 0	12.5	14.7	16.1	17.2	10.9
	37	0	-	-	-	-	-	1	11.8	11.8	11.8	11.8	0.0
	38	10	8.5	9.5	10.1	16.2	22.1	10	10.3	13.2	15.2	13.6	4.3
1	39	22	8.5	10.2	11.9	10.2	2.6	23	11.2	13.1	16.2	16.6	15.2
1	40	18	8.0 7.5	10.0 8.5	14.5 9.8	15.9 8.9	19.8	17 11	10.6 10.4	13.5 12.3	14.2 14.5	13.0 12.8	2.8 3.3
1	42	17	7.7	9.5	10.3	9.3	2.3	14	10.4	11.2	14.7	15.2	10.4
1	43	26	9.5	10.7	13.8	16.5	17.1	29	10.5	12.5	15.3	13.0	2.7
	44	28	9.0	9.7	10.7	10.1	2.1	23	11.0	12.2	13.1	13.1	3.7
1	45 46	31 35	8.4 9.1	9.5 10.6	10.8	9.8	1.6 2.2	30 28	11.5 11.5	13.6 12.9	16.7 15.6	14.1 13.6	3.9
1	47	22	9.1	10.6	10.9	10.6	2.2	31	10.8	12.9	15.0	13.9	6.6
1	48	27	9.5	10.1	11.0	10.7	2.7	28	11.6	13.3	15.1	14.1	4.3
1	49	29	7.9	10.0	10.9	10.5	4.5	28	12.8	14.3	15.2	15.1	5.4
	50 51	30	9.6	10.3	11.3	10.6	2.1	28	10.6	13.0	14.5	12.6	2.3
	51	23 32	8.9 9.0	10.6 10.4	11.8 11.1	13.8	15.1 1.7	26 34	11.8 11.7	13.3 13.0	15.9 14.8	18.4 13.1	16.4 2.4
L	53	12	7.7	9.0	10.5	9.9	3.3	12	13.7	15.3	19.1	16.1	3.6

## **Acronyms and Abbreviations**

AIS Automatic Identification System

AISAP Automatic Identification System Analysis Package

COV coefficient of variation

ft foot/feet

hr hour

ID identification

L&D Lock and Dam

LPMS Lock Performance Monitoring System

min minute

MTS Marine Transportation System

NAIS Nationwide Automatic Identification System

O-D Origin-Destination

RIS River Information Services

USACE US Army Corps of Engineers

USCG US Coast Guard

VHF very high frequency

WWY waterway

# **Unit Conversion Factors**

Multiply	Ву	To Obtain
degrees (angle)	0.01745329	radians
feet	0.3048	meters
horsepower (550 foot-pounds force per second)	745.6999	watts
inches	0.0254	meters
knots	0.5144444	meters per second
miles (nautical)	1,852	meters
miles (US statute)	1,609.347	meters
miles per hour	0.44704	meters per second
tons (force)	8,896.443	newtons
tons (force) per square foot	95.76052	kilopascals
tons (long) per cubic yard	1,328.939	kilograms per cubic meter
tons (nuclear equivalent of TNT)	4.184 E+09	joules
tons (2,000 pounds, mass)	907.1847	kilograms
tons (2,000 pounds, mass) per square foot	9,764.856	kilograms per square meter
yards	0.9144	meters

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#### 13. SUPPLEMENTARY NOTES

#### 14. ABSTRACT

The United States Army Corps of Engineers needs quantitative and statistically robust metrics to evaluate the performance of Navigation projects. In addition, voyage planning for waterway stakeholders requires accurate travel time estimates for intermodal connectivity. This study develops an Inland Marine Transportation System (MTS) travel time atlas. This study presents results for the Ohio River, Upper Mississippi River, and the Illinois River for 2013 and 2014. The study develops a methodology that is flexible and scalable across space and time and so is applicable to additional inland waterways and for additional years of data. The methodology applies automatic identification system data, which includes the discrete, time-stamped locations of vessels through space and time. Results include estimated number of transits, 25th, 50th (median), and 75th percentile travel times, average and median travel times, and total travel time above baseline by direction of travel and by week, month and year. Applications of the MTS statistical profile include optimizing vessel transit departure times, establishing system performance baselines, locating system bottlenecks and areas with most critical needs, comparing performance pre- and post-operations and maintenance, analyzing effects of different variables (e.g., water level, vessel type, traffic volume) on travel time, and measuring resiliency.

#### 15. SUBJECT TERMS

Ships - Automatic identification systems, Inland navigation, Navigation—Performance, Operations research, System analysis

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