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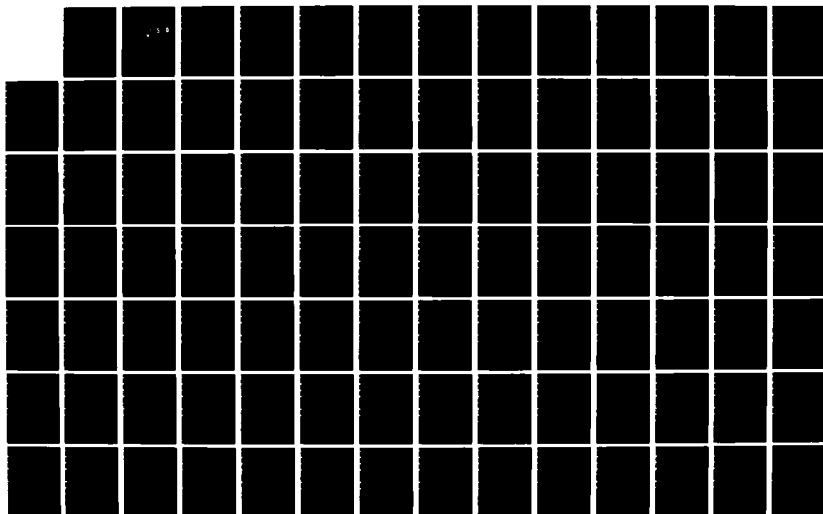
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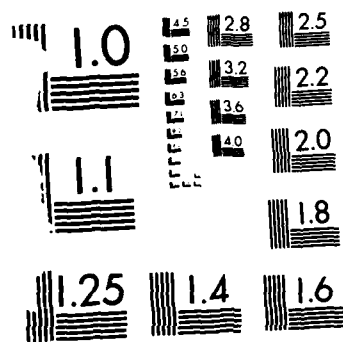
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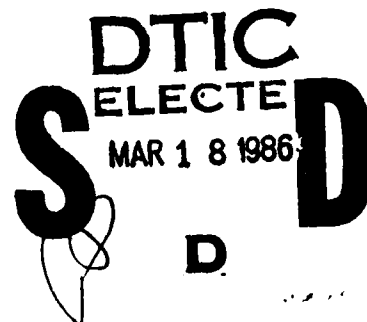


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THESIS

A PERFORMANCE COMPARISON OF THE REQUISITION
RESPONSE TIME MANAGEMENT INFORMATION SYSTEM
WITH THE NON-MECHANIZED FLEET

by

John Mark Graham

December 1985

Thesis Advisor:

P. A. Jacobs

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A Performance Comparison of the Requisition Response
Time Management Information System with the
Non-mechanized Fleet

by

John Mark Graham
Lieutenant Commander, United States Navy
B.A., University of California at Berkeley, 1972

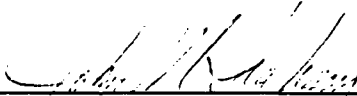
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requirements for the degree of

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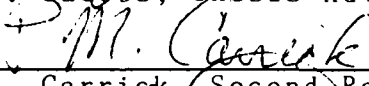
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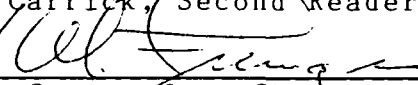
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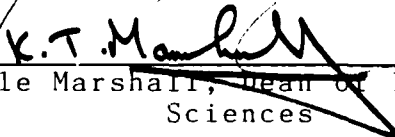

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ABSTRACT

This thesis focuses on Navy Transportation Time performance from ship date to receipt date. The object is to compare data from a sample of non-mechanized ships with summary statistics from the Requisition Response Time Management Information System. The research effort is directed toward identifying statistical differences between the two sources of data. The analysis concentrates on five major data groups: Transportation Time by consignee, deployment status, modes of shipment, issuing stock point, and Issue Priority Group. The conclusion notes significant differences in Transportation Time performance among the groups.

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I. INTRODUCTION

A. BACKGROUND AND OBJECTIVES

Transportation Time is a measure of supply system performance. The Navy measures Transportation Time from the date material is shipped from a stock point until it is received by a supply customer. The framework for Transportation Time determination within the Defense Transportation System and the military services is governed by the Defense Logistics Standards System which provides common communication, policy, and procedures for users of defense logistics information.

Part of this system is the Uniform Material Movement and Issue Priority System (UMMIPS) which prescribes standards for Transportation Time for all requisitioners and processors of Department of Defense cargo. Transportation Time performance is measured against these standards in order to evaluate supply system effectiveness in support of national defense. Research on methods of measurement and evaluation of performance assists defense logistics managers in contingency planning, problem identification, and system improvement.

The Navy currently uses the Requisition Response Time Management Information System (RRTMIS) to collect, analyze, and report transportation information. A true picture of

Navy UMMIPS compliance is not being obtained because receipt data for the computation of Transportation Time is incomplete. Specifically, data from over 400 non-mechanized ships are not included in the RRTMIS data base.

This thesis concerns the results of an analysis of data obtained by a survey of non-mechanized ships. Of particular concern is how the survey data compare with similar RRTMIS data.

B. SCOPE, LIMITATIONS, AND ASSUMPTIONS

The scope of the research focuses on comparison of the RRTMIS and fleet sample means, analysis of variance among subgroups of both data sources, and multiple comparisons to determine specifically which groups were statistically different from others. Subgroups analyzed include service consignee, deployment status, modes of shipment, issuing stock point, and Issue Priority Group. Inferences and conclusions are drawn from facts resulting from the analysis.

Research concerning the interdependency of Transportation Time performance, Total Requisition Time, and the subgroup variables is beyond the scope of this study due to time constraints. The data have been made available in appendices to this thesis to facilitate further research.

The research is also constrained by circumstances surrounding the fleet survey. The professionalism of shipboard supply officers and their staff is relied upon in

providing accurate and unbiased survey responses. The mobile and out of reach aspect of deployed ships and submarines is of concern in obtaining adequate survey response rates. These constraints are considered to have made no significant effect on the outcome of the research, however.

Several important assumptions are made in the analysis. It is assumed that the source data in the survey responses is valid. In other words, if the mode of shipment reported for a requisition was Mode "9" it is assumed that that mode was, in fact, used in moving the material to its consignee.

It is assumed that if a survey indicates the ship was deployed that it was deployed for the entire period being considered. Similarly, if a ship indicates it was undergoing Integrated Logistics Overhaul it is assumed that it spent the entire period in that status.

It is also assumed that the surveyed fleet sample is representative of the population of non-mechanized ships in the Navy, and that the RRTMIS Transportation Time Report statistics are accurate.

Important statistical assumptions germane to this study such as the Central Limit Theorem and the equality of variances of data in the different groups are discussed in the Chapter V analyses.

C. SUMMARY OF FINDINGS

This thesis makes three major findings. First, significant differences among the RRTMIS and fleet sample

means exist in the service, deployment, mode of shipment, stock point, and overall priority groups. The RRTMIS statistics do not generally describe the sample data well.

Second, mechanized customers tracked by RRTMIS experienced longer mean transportation times than those for shipment to the fleet sample ships. Specific differences for each data group are presented in Chapters V and VI.

Third, ships in the fleet sample generally received a higher percentage of shipments on time relative to the UMMIPS time standards. An exception is that surface modes of shipment exhibited higher percentages of shipments on time in the RRTMIS data than in the data from the fleet sample.

D. ORGANIZATION

This thesis is divided into an introduction, two background chapters, two chapters of research and analysis, and a final chapter of conclusions. The two background chapters are organized to be read from the general to the specific. Chapter II provides an overview of the Department of Defense supply and transportation systems and introduces the reader to four major components of the Defense Logistics Standard System. Emphasis is placed on UMMIPS and Navy relationships. Chapter III explains the current framework for collecting and evaluating transportation measurement data. Interfaces between Defense and Navy data bases are

discussed, leading to a summary of RRTMIS issues relating to Transportation Time.

Chapter IV describes how the fleet survey was conducted and summarizes the responses. A discussion of the approach to the data is provided, along with a rationale for the methods that were used. Chapter V subjects the data to the statistical methods and analyzes the results in terms of the five variables previously mentioned. Chapter VI briefly summarizes conclusions reached in the analyses.

Four appendices are also included. Appendix A provides a glossary of Navy logistics acronyms and terms used throughout the study. Appendix B is the RRTMIS report used for the group comparisons in Ch. V. Appendix C is a list of the non-mechanized ships which were surveyed. Those ships which responded are marked with an asterisk (*). The tabulated data from the survey comprise the fleet sample provided in Appendix D.

II. BACKGROUND

A. THE DEFENSE SUPPLY SYSTEM

Each of the military Services has traditionally been responsible for its own logistics support. Over the years duplication has arisen in routine and common supply activities among the services. Recognizing this fact, the Department of Defense (DOD) has centralized many of these functions through various organizations and agreements. The Secretary of Defense, the Joint Chiefs of Staff, and the military Services control the management and operation of these functions.

The largest DOD supply organization is the Defense Logistics Agency (DLA). Its mission is to provide effective logistic support in the areas of contracting, supply contract administration, and technical services to all the military Services, and to Federal civilian agencies and foreign governments as assigned, and to provide that support at the lowest feasible cost to the taxpayer [1:106]. The DLA's activities are coordinated with the Joint Chiefs of Staff and controlled by the Assistant Secretary of Defense (MI&L). The agency is responsible for about two million items used by the military Services and other agencies. The DLA primarily manages consumable supply items such as food, clothing, medical and general supplies and spare parts.

These items are warehoused and distributed through six DLA supply centers and six supply depots.

The DLA and other DOD organizations work closely with the Services on supply matters. The Services' leading material management organizations are depicted in Figure II-1. (It is interesting to note that the Navy has recently restructured its logistics organization in an effort to streamline its acquisition process. The Navy Material Command (NAVMAT) which includes 70 percent of the Navy's civilian personnel and obligates 64 percent of the budget was disestablished in May 1985 [1:122]. The NAVMAT activities were redistributed within the various systems commands which now report directly to the Chief of Naval Operations.) Supply traditionally includes consumables, equipment, repair parts, storage, and services of maintenance, preservation, packing, distribution, and transportation.

Efforts to create a consolidated defense transportation agency have repeatedly failed because the Services resist giving up control of their respective systems. Instead, a transportation triumvirate has evolved to meet the dynamic needs of the Services: The Defense Transportation System.

B. THE DEFENSE TRANSPORTATION SYSTEM

Transportation requirements throughout DOD are provided by the Military Airlift Command (MAC), the Military Sealift Command (MSC), and the Military Traffic Management Command

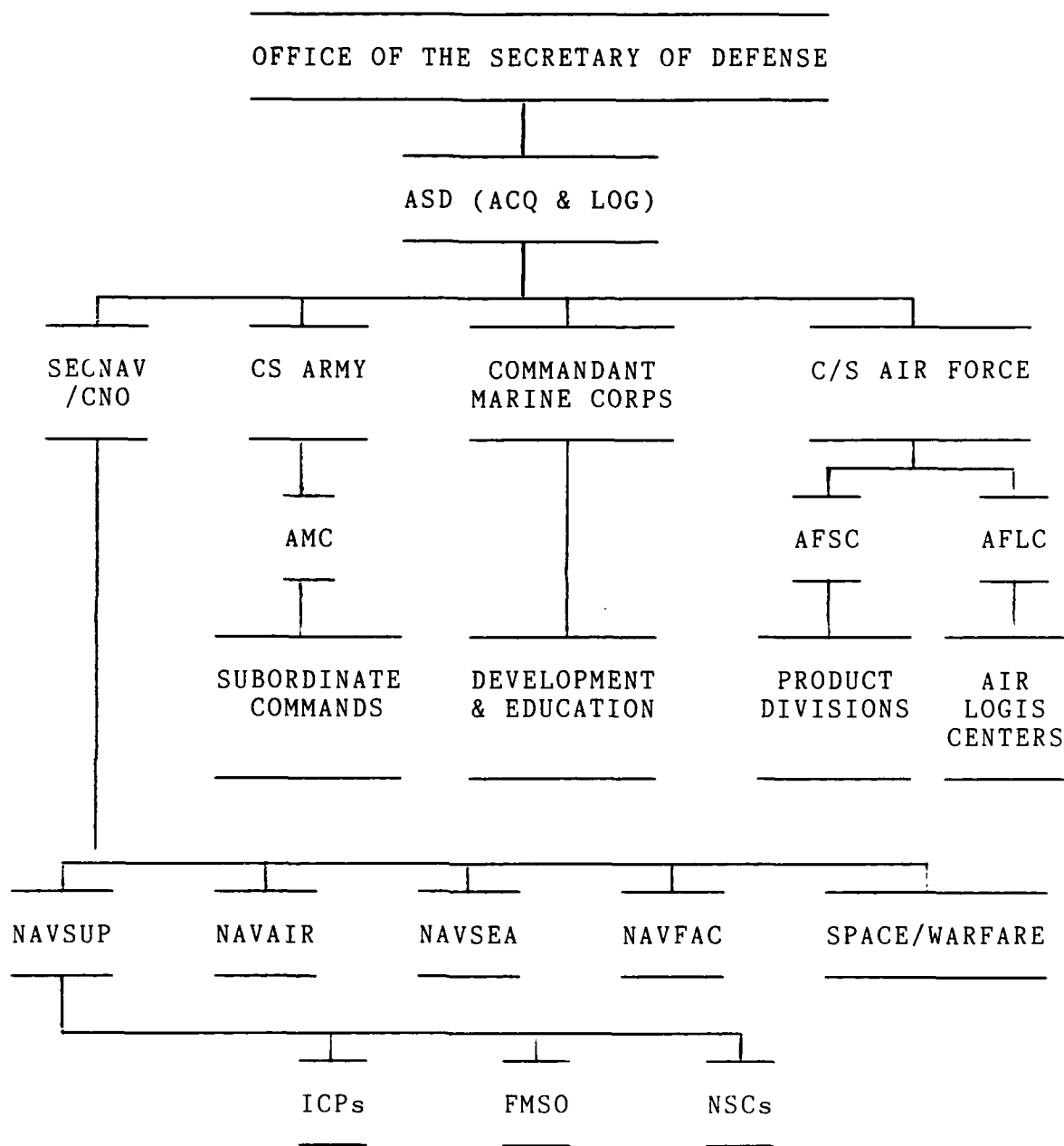


Figure II-1. Material Commands of the Services [2:17]

(MTMC). These Transportation Operating Agencies (TOAs) operate under the Departments of the Air Force, Navy, and Army, respectively. Each command acts as the single manager for the particular transportation provided and either purchases transportation service from commercial carriers or arranges shipment via DOD organic transportation systems. The three TOAs are collectively referred to as the Defense Transportation System (DTS) but there is no single agency or command which controls all of DOD transportation.

MTMC and MSC work together to move cargo from shippers to ultimate consignees for surface export shipments. MTMC clears and books surface cargo into the DTS and performs the necessary terminal operations and documentation for onward movement to the point of debarkation or consignee. MSC provides the framework for sealift capability through negotiation of container and shipping agreements with ocean carriers. The MSC also provides actual military sealift through the use of USNS vessels.

MAC is the principal transporter for air export shipments, with the Services and MTMC playing supporting roles. MAC provides airlift capability and operates aerial terminals necessary to move expedited cargo. MTMC supports air movements by acting as the interface between the shippers and the MAC terminal operator. MTMC also resolves packaging, documentation and other problems [3:10].

Although MTMC, MAC, and the Navy operate their own shipping terminals, aerial ports, and shipyards, the Navy and MTMC in particular rely extensively on counterpart resources in the private sector. New construction for the Navy is accomplished entirely in civilian yards, and the bulk of ocean cargo directed by MTMC passes through civilian piers and container terminals [4:5].

The DTS exists as a significant DOD transport system with its own air freight and passenger service (MAC), a shipping firm (MSC), and a container and rail service (MTMC). The resulting multi-service coordination required to operate this service could not be obtained without standardization of information systems.

C. THE DEFENSE LOGISTICS STANDARD SYSTEM

Standard logistics systems, programs, policy and administration within DOD for functional areas such as cataloging, inventory management, contracting, storage, supply support and transportation are collectively called the Defense Logistics Standard System (DLSS). These systems and policies are uniformly implemented at all levels within and between DOD components. The DLSS provides common data languages and procedures through standard forms, formats and codes to facilitate compatibility among users of defense logistics information. An in-depth discussion of all DLSS

programs is beyond the scope of this study. However, the principal aspects of four major systems are germane and are presented here to facilitate a better understanding of the discussion in later chapters. Figure II-2 illustrates the primary DLSS relationships discussed below.

1. MILSTRIP

Military Standard Requisitioning and Issue Procedures (MILSTRIP) require uniform documents, formats, codes, and time standards for the processing of logistics data. These data include material requisitioning, supply status, issue, receipt, and disposal codes. High-speed automated data processing is made possible through the MILSTRIP via DOD automated addressing and information network technology [5]. Figure II-3 is an example of a MILSTRIP material issue and receipt document.

2. MILSTAMP

Military Standard Transportation and Movement Procedures (MILSTAMP) draw data from MILSTRIP to move cargo into and through the DTS worldwide. MILSTAMP data elements, formats and priority policies are also fully standardized with the other MIL-systems. In order to accomplish this, MILSTAMP focuses on three areas: capacity planning, movement control, and performance measurement.

At each shipping activity, warehousing and transportation planning input is fed into a standard automated data processing system. These data are used

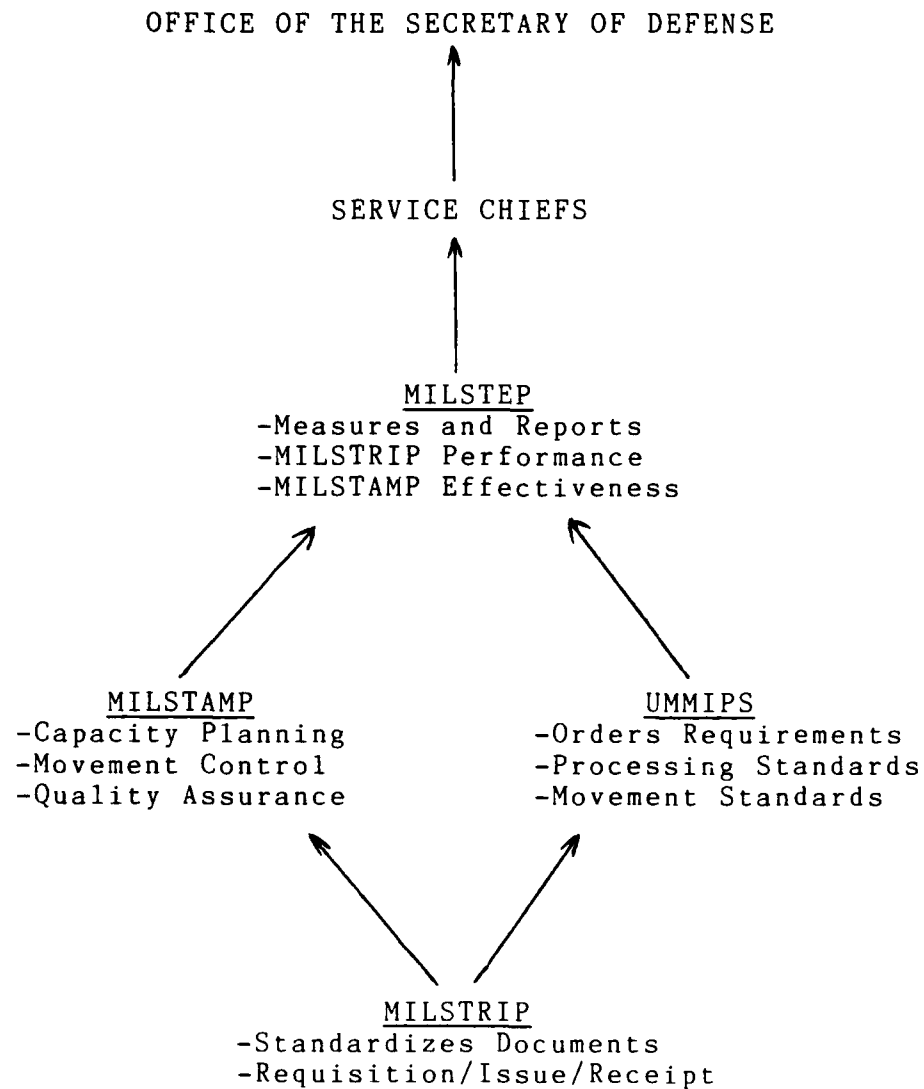


Figure II-2. Principal DLSS Programs [1:153-156]

jointly by all military shipping activities to prepare processing documentation. Military movements are then planned and coordinated to prevent saturation of DTS capacity.

Processing documentation is also used for movement control. Summarized information provides a basis for air and surface shipment clearance authority as well as diversion decisions based on priority, weight or mode of shipment.

The effectiveness of cargo clearance, booking, terminal operations and documentation is dependent upon timely and accurate data. MTMC has administrative responsibility for MILSTAMP quality control. The MTMC "compliance program" stresses availability of MILSTAMP documents and data to DTS users for analysis and corrective action [1:155].

3. MILSTEP

A standard method for measuring MILSTRIP supply system performance and MILSTAMP transportation effectiveness is provided by the Military Supply and Transportation Evaluation Procedures (MILSTEP). MILSTEP traps pipeline performance and in-transit data for analysis and reporting to inventory control points, the Service secretaries, and the Secretary of Defense.

The Secretary of Defense assigned responsibility for the administration of MILSTEP to DLA and also created a MILSTEP Central Data Collection Point (CDCP). The CDCP

provides data processing support to DOD and Service/Agency Central Processing Points (CPP). The Air Force Logistics Command operates the CDCP, which collects, processes, and distributes in-transit data to each agency CPP [6:1].

The primary objective of MILSTEP is to measure supply and transportation performance against the time standards listed in the Uniform Material Movement and Issue Priority System (UMMIPS).

4. UMMIPS

The Uniform Material Movement and Issue Priority System (UMMIPS) prioritizes material requirements based on urgency of need and regulates cargo movement within the DTS. The UMMIPS helps satisfy the need to identify the relative importance of competing demands for logistics system resources such as transportation, warehousing, document processing, and material inventories. The system also establishes guidance for the ranking of material requirements and incremental time standards for requisition processing and material movement. Performance time frames are spelled out for the various priority designators; however, the times are dependent upon and assume the physical availability of the necessary resources [1:156].

The UMMIPS applies to all requisitioning, issue, and movement of material within DOD. The system is used to ensure that material is provided to users considering its

military importance, urgency of need, and other management considerations such as cost [7:1].

The UMMIPS ranks requisitions and movement actions by competing demand. A matrix combining the user's Force / Activity designator (FAD) and Urgency of Need Designator (UND) is used to derive a single Priority Designator (PD). Requisitioners code the PD onto a MILSTRIP document which is then given the appropriate issue, shipment and transportation handling by the DTS. Figure II-4 shows the relationship of the FAD and UND to the PD.

The Force/Activity Designator (FAD) is assigned by the Secretary of Defense, the Joint Chiefs of Staff, or by a DOD component and indicates the mission essentiality of the user. The lowest FAD required to indicate the relative importance of the unit is assigned. Figure II-5 is a brief outline of FAD definitions [7].

The Urgency of Need Designator (UND) is determined by the user based on UMMIPS criteria definitions. The Chief of Naval Operations tasks FAJ assigners and the Navy systems commands with UMMIPS performance review related to the assignment of PDs by users. The vehicle for the review is an extensive reporting system which focuses on control of PD assignment abuse and does not consider logistics system timeliness. Figure II-6 gives some examples of UND criteria [7].

DERIVATION OF PRIORITY DESIGNATORS
(Relating Force/Activity Designators to Urgency of Need)

FORCE/ACTIVITY DESIGNATOR	URGENCY OF NEED DESIGNATOR		
	A	B	C
FAD			
I - - - - -	01	04	11
II - - - - -	02	05	12
III - - - - -	03	06	13
IV - - - - -	07	09	14
V - - - - -	08	10	15

Figure II-4. Derivation of Priority Designators [7]

FORCE/ACTIVITY DESIGNATOR (FAD)

- Force/
Activity: A Force/Activity is a unit, organization, or installation performing a function or mission. It may be a body of troops, ships, or aircraft, or a combination thereof.
- FAD: A FAD is a Roman numeral (I through V) assigned by the Secretary of Defense, the Joint Chiefs of Staff, or a DOD component to indicate the mission essentiality of a unit, organization installation, project, or program to meet national objectives.
- FAD I: FAD I assignments are reserved for those units, projects, or forces which are most important militarily in the opinion of the Joint Chiefs of Staff and as approved by the Secretary of Defense.
- FAD II: FAD II will be assigned to U. S. combat, combat ready, and direct combat support forces deployed to or operating from areas outside the 50 states and adjacent waters, Panama, and such other areas as may be designated by the Joint Chiefs of Staff.
- FAD III: FAD III will be assigned to all other combat ready and direct combat support forces outside CONUS not included under FAD II, and CONUS forces being maintained in a state of combat readiness for deployment to combat prior to Deployment (D) plus 30 days.
- FAD IV: FAD IV will be assigned to U. S. Forces being maintained in a state of combat readiness for deployment to combat during the period D plus 30 days to D plus 90 days.
- FAD V: FAD V will be assigned to all other U. S. forces or activities including staff, administrative, and base supply type activities.

Figure II-5. Excerpts from FAD Definitions [7]

CRITERIA FOR DETERMINING URGENCY OF NEED DESIGNATOR (UND)

UND DEFINITION

- A - Requirement is immediate.
 - Emergency requirements for weapons, equipment, or materiel for immediate use without which the ship concerned is unable to perform assigned primary operational mission.
 - Required for immediate use to eliminate an existing work stoppage of a pacing or controlling phase of an overhaul or rework schedule at industrial or production activities manufacturing, modifying, or maintaining ships, aircraft, weapons, or other mission essential equipment.

- B - Requirement is immediate, or it is known that such requirement will occur in the immediate future.
 - Items required for immediate end use, the lack of which is impairing the operational capability of the ship concerned.
 - Required for immediate use to effect replacement or repair of essential physical facilities of an industrial/production activity, without which the capability of the activity to perform assigned mission is impaired.

- C - Required for scheduled maintenance, manufacture, or replacement of all equipment.
 - Required for replenishment of stock to meet authorized stockage objectives.
 - Required for purposes not specifically covered by any other UND.

Figure II-6. Excerpts from UND Criteria [7]

The UMMIPS establishes time standards for performance. The objective of the UMMIPS time standards is to provide guidance for satisfying customers' demands within the cumulative time prescribed for a given PD. Total delay time is the elapsed number of days from the date of a requirement until the requirement is met. This is commonly expressed as Total Requisition Time: Requisition Date to Receipt Date. Each processing function within this total delay time has been given a segment. Time standards for each segment are to be met or surpassed by each processing activity. The UMMIPS time segments are shown in Figure II-7. It is important to note that the time standards are additive. For example, the Total Requisition Time standard for a PD 03 requisition for delivery to a continental United States (CONUS) customer is seven days [7].

System Administrators for MILSTEP are assigned by each of the Services. The Fleet Material Support Office (FMSO) is the Navy's MILSTEP System Administrator and Central Processing Point (CPP) [8:12]. FMSO develops and coordinates the performance data collection system used to gauge logistics system timeliness against the UMMIPS standards and produces effectiveness reports. The Navy Supply Systems Command then coordinates Navy MILSTEP reports made to the Secretary of Defense. In this way, the Defense Supply System interacts with the DTS and the Services to provide and monitor material support.

UMMIPS TIME STANDARDS

TIME SEGMENT	TIME STANDARD IN DAYS FOR PRIORITY DESIGNATORS:		
	01-03	04-08	09-15
A. Requisition Submission	1	1	2
B. Passing Action*	1	1	2
C. Availability Determination*	1	1	3
D. Depot/Storage Site Processing*	1	2	8
E. Transportation Hold and CONUS Intransit**	3	6	13
F. Overseas Shipment/Delivery to:			
-Alaska, Hawaii, South America, Caribbean, North Atlantic	4	4	38
-No. Europe, Mediter, Africa	4	4	43
-Western Pacific	5	5	53
-Middle East	4	4	67
G. Receipt Takeup by Requisitioner	1	1	3

*Subchart for Storage Site Processing (Segments B, C and D)

For ICP and Stock Point Action:

B. Passing Action	1	1	2
C. ICP Availability Determination	1	1	3
D. Depot/Storage Site Processing	1	2	8

For Stock Point (SP) Action Only:

C. SP Availability Determination	1	1	3
D. Depot/Storage Site Processing	1	2	8

**Subchart for Transp Hold and CONUS Intransit (Segment E)

Transportation Hold	1	3	7
CONUS Intransit	2	3	6

Figure II-7. UMMIPS Time Standards [7]

III. MEASURING TRANSPORTATION PERFORMANCE

A. THE MILSTEP DATA BASE

The MILSTEP are intended to provide a standard method for measuring supply system performance and transportation effectiveness throughout DOD. This is accomplished by producing DOD-wide logistic performance measurement reports from the MILSTEP data base. These reports are used for:

1. Validating the UMMIPS time standards.
2. Evaluating performance against the UMMIPS time standards.
3. Determining supply system workload and material availability.
4. Providing in-transit data to support transportation planning [9:220].

When the Secretary of Defense assigned responsibility for the administration of MILSTEP to the Defense Logistics Agency in 1968, a MILSTEP Central Data Collection Point (CDCP) was also created. The CDCP provides data processing support to DOD and Service/Agency Central Processing Points (CPP). The Air Force Logistics Command (AFLC) operates the CDCP and develops the MILSTEP data base. Receipt, lift, and release data is collected from MAC and MTMC via the Defense Automatic Addressing System (DAAS). The CDCP forwards an In-transit tape record file to each CPP for processing in conjunction with Service/Agency data.

The MILSTEP and military Service transportation data is used by the Defense Logistics Standards Systems Office (DLSSO) to generate reports of interest to the Assistant Secretary of Defense (Comptroller) [6:1].

A significant limitation of MILSTEP is that the final material receipt data are not included. This is because MILSTEP loses visibility of movement and receipt data after the material is offered to a Transportation Officer for shipment. To provide this input, the Service CPPs collect data from within each agency. For the Navy, MILSTEP coordination of in-transit data is assigned to NAVSUP, and further delegated to SPCC and FMSO [8:12].

B. RRTMIS

The Navy uses the Requisition Response Time Management Information System (RRTMIS) to supplement the MILSTEP data base. In addition to providing a means to gather and report information to higher authority, the ultimate goal of RRTMIS is to be able to relate performance and cost tradeoffs [8:14]. This information can serve as invaluable budget leverage because it highlights resource deficiencies which cause problems in Navy transportation.

RRTMIS data is collected to provide a baseline for measurement of Requisition Response Time (RRT). RRT is the time from the date a requisition is introduced into the supply system until the material receipt is taken up on the

requisitioner's inventory records. The RRTMIS attempts to break RRT down into its UMMIPS time segments so that system performance will be visible between each transaction point. These snapshots may then be used to identify and correct DOD and Navy transportation problems by focusing resources on system bottlenecks in a timely manner [7:3].

In-service data collection procedures are not standardized among CPP's and each military Service performs these functions differently. The following discussion of RRTMIS procedures relates only to the Navy.

RRTMIS is based on data that is readily available from MILSTEP and Navy automated sources. Customer receipt data is submitted to FMSO from all mechanized fleet units using the Shipboard Uniform Automated Data Processing System (SUADPS). Issue and shipping data is also gathered from Navy stock points through the Uniform Automated Data Processing System for Stock Points (UADPS-SP) [8:13]. Figure III-1 shows the role of FMSO in matching data from MILSTEP and SUADPS to produce the RRTMIS data base.

Data collected by RRTMIS include transportation document control numbers, transaction dates, origin and destination codes, priority designators, shipment modes, and stock numbers. Figure III-2 depicts the various inputs which are currently used by RRTMIS [8:14]. Miscellaneous requisition data which are not readily obtainable from non-SUADPS (non-mechanized) activities are still excluded.

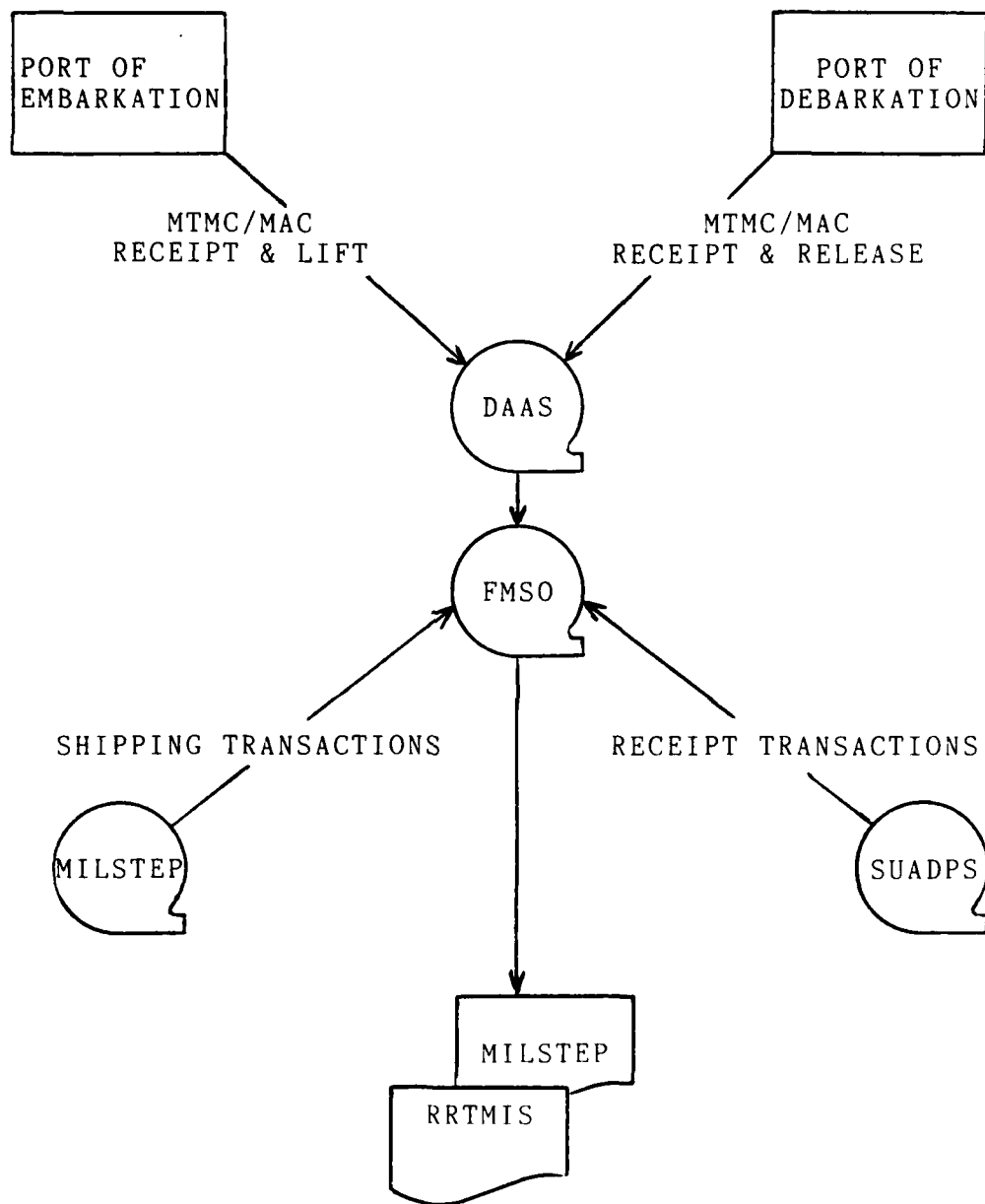


Figure III-1. Performance Evaluation Roles [8:13]

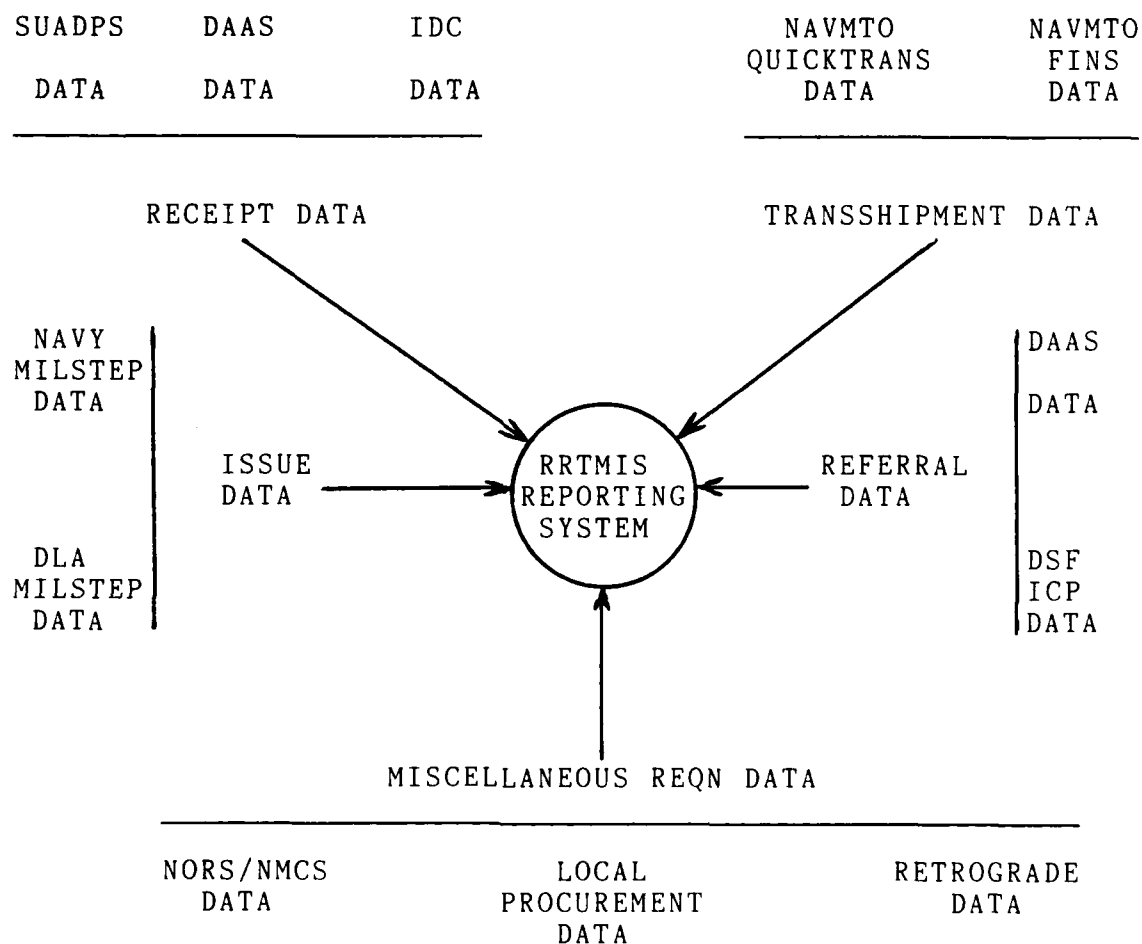


Figure III-2. The RRTMIS Data Base [8:14]

RRTMIS data is collected and input to the data base monthly. Data input tapes are mailed back and forth between RRTMIS users and FMSO. In-transit data collection has traditionally been inconsistent, with some data resident on the input tapes and others forwarded on manual Intransit Data Cards [8:12]. RRTMIS integrates these requisition files monthly by document number against the MILSTEP data base to form a file of Navy requisitions from creation to completion. This file makes up the RRTMIS data base used to produce reports.

The RRTMIS reports display performance as a percent of transactions-on-time against the UMMIPS standards, broken down by operational theater. Twenty-one reports are generated quarterly and have the flexibility of being as unique as desired by user request. Reports going to higher-echelon commands are accompanied by summaries and analyses from the FMSO Operations and Analysis Department. Appendix B is an example of a RRTMIS Transportation Time Report [10].

C. NAVY TRANSPORTATION TIME

Three related problems flow from the RRTMIS report information which are of concern to Navy transportation managers. These are the accuracy, timeliness, and volume of RRTMIS data and information. First, the question of accuracy arises from the incompleteness of the RRTMIS data mix. Fleet

customer receipt data from more than 400 non-mechanized ships are not trapped by the system [11]. Without these data, a true picture of RRT is not possible. The mobile and out-of-reach aspect of ships at sea necessarily requires delivery delays due to lack of interim and onward transportation in remote areas, emergency sorties, changes in the nearest and next ports of call, and unloading and reloading of cargo from mode to mode of opportunity.

Receipt of a shipment by an ultimate consignee is documented in the Transportation Hold and CONUS In-transit time segment in both RRTMIS and UMMIPS. (Further reference to Transportation Hold and CONUS In-transit Time in this thesis will be made simply as transportation time.) This segment is affected by geographical location and selection of shipment modes such as parcel post, commercial air, or DTS. Figure III-3 illustrates the elements of Navy transportation time. It is important to realize that delay or handling problems at any or all of the points illustrated in Figure III-3 cause fluctuations in this time segment. Performance of transportation time is expressed as a single number of days in RRTMIS [10].

Navy managers need accurate information on current system performance to facilitate shipment planning and provide a basis from problem detection and correction. The potential consequences of inaccurate RRTMIS information are serious. Exclusion of receipt data from non-mechanized ships may

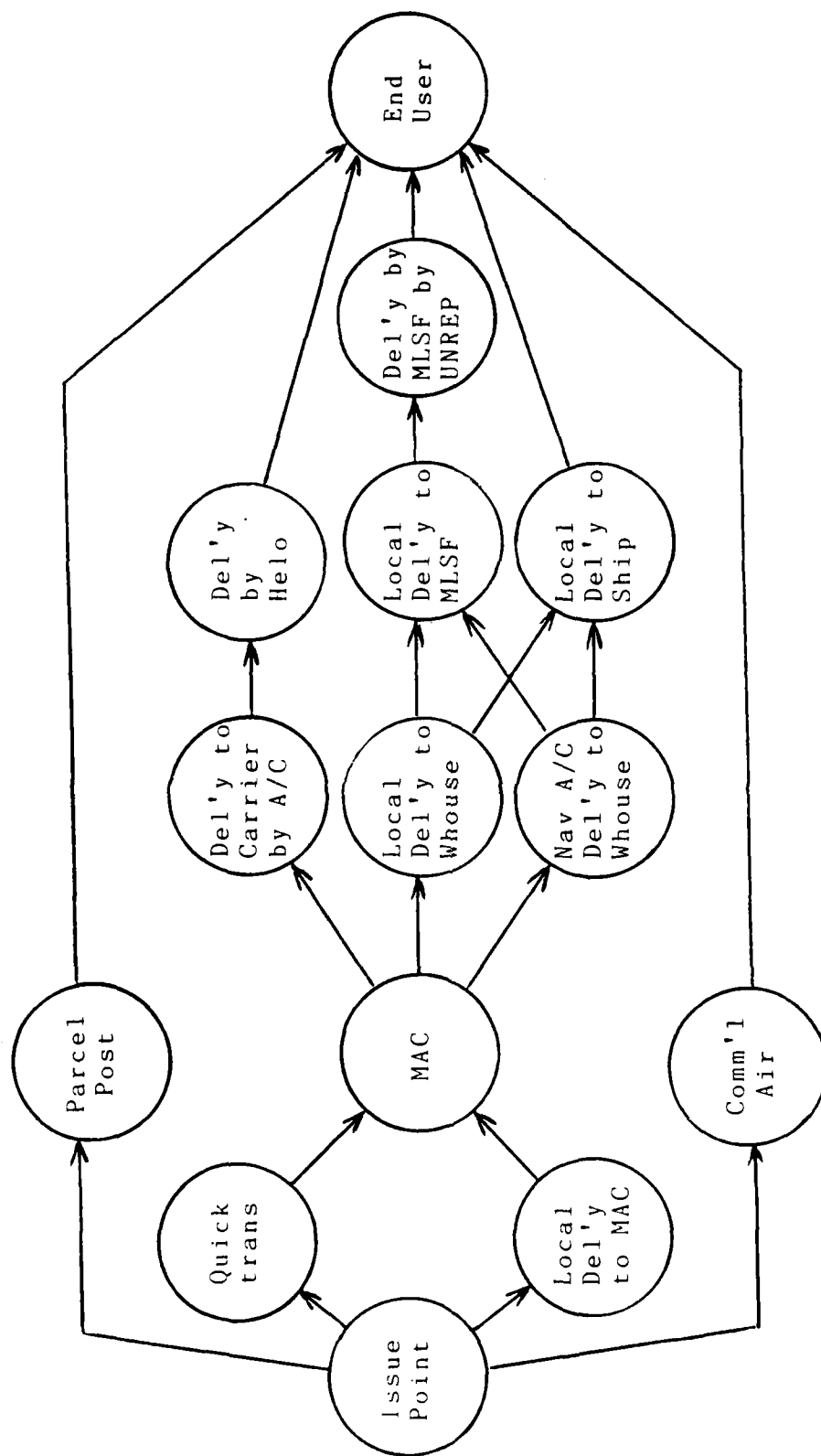


Figure 111-3. Structure of the Transportation Activity [12:62]

degrade overall RRT performance leading to incorrect adjustment of time standards for fleet customers. Navy mobilization, emergency and exercise logistics planners rely on estimates of DTS responsiveness under combat conditions. Inaccurate estimates could result in overly optimistic expectations of supply system responsiveness in such plans.

Second, the timeliness of the reporting cycle does not fully support the RRTMIS goal of problem detection and correction. Reports lag behind the collection of data by nine to twelve months due to the volume workload. This greatly reduces the ability of transportation managers at NAVSUP and at the TOAs to respond to short-term segment problems. For example, most high priority shipments are coded with required delivery dates. While required delivery dates are used in shipment mode selection processes, they rarely influence speed of movement once a shipment enters the DTS. Without timely knowledge of system performance relative to required delivery dates, traffic managers cannot intervene to ensure compliance with those dates [9:225].

Third, the timeliness problem may be worsened by the sheer volume of RRTMIS input data. Source data are resident in over fifty host programs developed from magnetic tape. Batch processing of over a million requisitions a year is required in order to produce the various reports. Even with this large input, insufficient data are available to

ascertain conclusively if the UMMIPS time standards are being met [10].

These issues remain unresolved today. Receipt data need to be successfully obtained from the non-mechanized fleet to construct a truer picture of Navy transportation time. The accuracy of RRTMIS would be enhanced by the inclusion of such data if two facts could be demonstrated. First, it should be shown that such data are representative of the population of all non-mechanized fleet requisitions, and second, that the RRTMIS data are not representative of the non-mechanized fleet. This study will demonstrate these facts. An analysis of similar groups from the RRTMIS and non-mechanized fleet data could lead to the consideration of more timely and selective data collection and reporting methods for measurement of Requisition Response Time.

IV. METHODOLOGY

A. SURVEY PROCEDURES

Collection of receipt data from non-mechanized ships for this study was accomplished through the use of a fleet survey. This section discusses how the survey was developed and conducted. All ships maintaining supply records on board have one or more Navy Supply Corps officers assigned. For this reason, the United States Navy Supply Corps Officers Directory was used for the list of ships to be surveyed. The Directory lists afloat commands by ship type, name, zip code, Unit Identification Code (UIC) and home port.

There are 526 afloat commands listed in the 1985 edition of the Supply Corps Directory. The RRTMIS draws receipt data from 69 afloat commands and staffs with SUADPS capability. To obtain the non-mechanized (non-SUADPS capable) sample, these 69 units were excluded from the survey list. In addition, 34 other squadron and staff units were excluded from the Directory's list because their supply records were held by other commands which have SUADPS capability. The remaining 423 ships comprised the target survey group. A list of ships which were mailed surveys is provided in Appendix C.

The questionnaire shown in Figure IV-1 was mailed to the Supply Officer of each of the ships in the target survey

1 September 1985

From: LCDR J. M. GRAHAM, SC, USN
To: Supply Officer

Subj: UMMIPS Performance Survey

1. The purpose of this survey is to obtain a better picture of Transportation Time against the UMMIPS standards. I am a student at Naval Postgraduate School writing a study on Navy transportation performance. This data is not now available for non-SUADPS ships.

2. Please select the first five completed requisitions from each issue group during FY 85-1 (JD 4275 through 4366). The UIC, Reqn #, Pri, and Receipt Date may be taken from the Optar Log. The Shipment Date, Mode and Issuing Stock Point must be obtained from the Material Completed File. Please exclude SERVIMART documents.

3. This data will be used to help evaluate performance of the Navy Transportation System. Your comments and suggestions about the system, UMMIPS, and related issues are encouraged and may be included on the reverse of this questionnaire. Please return this form in the enclosed envelope by 15 October 1985.

UIC	REQN NR	PRI	DATE RECD	DATE SHIPPED	MODE	STOCK PT
Ex. R52707	4301-W079	02	4328	4320	U	NOZ

IPG I, Pri 01-03

- 1.
- 2.
- 3.
- 4.
- 5.

IPG II, Pri 04-06

- 1.
- 2.
- 3.
- 4.
- 5.

IPG III, Pri 11-13

- 1.
- 2.
- 3.
- 4.
- 5.

Was ship undergoing ILO during FY 85-1? Y / N

Was ship deployed during FY 85-1? Y / N

Would you like to be notified of the results of this survey? Y / N

Figure IV-1. Data Survey Questionnaire

group on 1 September 1985. A due date of 15 October 1985 was deemed appropriate by the researcher in view of the heavy workload experienced by shipboard supply departments at the end of the fiscal year. Assuming mail delivery within two weeks, this would provide the survey ships thirty days to respond.

The sample period corresponded to the most recent available RRTMIS Transportation Time Report (Appendix B). This period was the first quarter of fiscal year 1985 which included the dates 1 October through 31 December 1984. Supply documentation is based on the Julian calendar. The Julian dates of interest were 4275 through 4366.

In order to obtain the beginning and ending dates for the Transportation Time segment, both the stock point shipping date and the customer receipt dates are required. In addition, several potentially significant variables were requested for analysis. These variables are fleet designator, CASREP requisition status, requisition priority designator, issuing stock point, mode of shipment, deployment status, and overhaul status.

The standard document number for requisitioning material provides a great deal of information. This number includes the Fleet/Service designator, the ship's Unit Identification Code (UIC), the Julian date of the requisition, and a locally assigned requisition serial number. For example, the document number R52707-4301-W079 provides the following data:

- The requisitioner is a Pacific Fleet ship, specified by the letter "R". Atlantic ships use the letter "V".
- The ship's UIC is 52707, a number unique to this unit.
- The requisition date was 4301 or 27 October 1984.
- This was a CASREP high priority requisition, indicated by the letter "W" in the serial number.

The requisition date was requested as a monitoring device to attempt to protect against "stacking the deck" for or against perceived system performance. A block sample of the first five completed (material received) requisitions was requested in each of the three Issue Priority Groups. Since IPG III requisitions are for generally routine requirements, such as stock replenishment, the vast majority of ship requisitions fall into this group. It might be suspect, therefore, to see a requisition date greater than 4336 because that would mean the ship had received less than five routine shipments in two months.

The requisition date may also be used to compute the total Requisition Response Time from requisition date to receipt date. Analysis of total RRT is beyond the scope of this study, but provided in the data as the basis for possible future research.

The Priority Designator was requested in lieu of the actual IPG to facilitate the ease of completion of the questionnaire. For data analysis, PD's were grouped into the proper IPG as follows:

- IPG I: Priority Designators 01 - 03
- IPG II: Priority Designators 04 - 06
- IPG III: Priority Designators 11 - 13

Individual shipment modes were requested for the same reason as Priority Designators and were grouped together for analysis. The three major shipment categories of Air, Surface, and Local Delivery were used in accordance with the schedule shown in Figure IV-2. These groupings are the same employed by RRTMIS in the Transportation Time Report.

A three-character routing identifier is in standard use throughout the DTS. This identifier is also readily available from the DD-1348 receipt document (Figure II-2). For these reasons and again for simplicity, the routing identifier of the issuing stock point was requested on the questionnaire. For analysis, the routing identifiers have been grouped into Navy Supply Centers and Depots, Navy stock points in general, and finally, all stock points. Figure IV-3 is a schedule of the routing identifier groups.

In an attempt to account for as many potential errors in the collection process as possible, special consideration was given to three factors in addition to "stacking the deck" as discussed above. These were the possible effects of a ship's deployment or overhaul during the sample period, and potential interference of requisitions not introduced into the supply system.

AIR MODES	SURFACE MODES	LOCAL MODES
6 AIR MAIL	5 AIR GBL	D DRIVEAWAY
7 AIR 1348-1	A TRUCK T/L	I GOVT TRUCK
F MAC	B TRUCK LTL	X BEARER P/UP
H AIR PARPOST	C VAN	9 LOCAL DEL'Y
N LOGAIR	G SURF PARPOST	
O ORG MIL AIR	J RAIL	
Q AIR FREIGHT	M FREIGHT FORWARDER	
R AIR EXPRESS	P THROUGH BILL OF LADING	
S AIR CHARTER	V SEAVAN	
T AIR FREIGHT FORWARDER		
U QUICKTRANS		

Figure IV-2. Major Mode of Shipment Groupings [13]

NAVY ROUTING IDENTIFIERS

N**

P**

Q**

R**

NSC/NSD ROUTING IDENTIFIERS

NB*	JACKSONVILLE
ND*	SAN DIEGO
NN*	NORFOLK
NO*	OAKLAND
NP*	PEARL HARBOR
NR*	CHARLESTON
NU*	PUGET SOUND
NV*	SUBIC BAY
NX*	GUAM
NZ*	YOKOSUKA

Figure IV-3. Major Navy Routing Identifier Groups

There are many possible unknowns which may affect Transportation Time. Manpower, equipment shortages, dock strikes, and bad weather are only a few of the effects which can impact the transportation activity discussed in Chapter III and illustrated by Figure III-3.

One of the more glaring of these "known" unknowns is that the deployment of a ship away from its home port and ready means of supply could account for delays in the receipt of material. There are also some indirect effects associated with deployment, such as the predeployment and postdeployment periods of liberal leave and liberty provided to crews of Navy ships. The absence of the normal complement of supply personnel to process material receipts may cause administrative backlogs which artificially skew Receipt Take-up Time. To provide a means for testing the possible relationship of ship deployment with Transportation Time, the deployment status of the ship was included in the survey questionnaire.

Similarly, there is a time during every ship's operating cycle (normally five years) when material requisitioning of parts by the ship's supply department is drastically changed. This occurs when the ship enters Integrated Logistics Overhaul (ILO), usually in conjunction with a complex ship overhaul. All parts are removed from the ship and inventoried. Allowance lists and on board stocks are purged and deficiencies are requisitioned, usually at the lowest

priority, IPG III. During ILO, the supply department only requisitions material which will be used in ship's force improvements. There are no high-priority, CASREP requisitions during this period, which lasts from six months to a year, depending on the type of ship and the extent of the overhaul. Finally, during ILO, the ship is either in dry dock or alongside the pier for the entire period. The usual separations from sources of supply are not experienced.

It's clear that ILO is an abnormal period for shipboard requisitioning. Less requisitions overall would be expected, as well as no IPG I's and proportionally more IPG II's and III's. The RRTMIS collection procedures do not exclude data from ILO periods, and so they were included in the sample. However, since a potential relationship may exist between Transportation Time and ILO periods, notification of the ILO event during the sample period was requested in the questionnaire.

Another potential data collection error is that not all requisitions are introduced into the supply system. Bearer-pickup requisitions for material obtained at stock point self-service SERVIMART stores are not tracked by MILSTEP or RRTMIS. Such transactions were therefore excluded from the sample.

Similarly, requisitions for services such as utilities and port expenses are not processed by the supply system except as "money value only" transactions. But since no

shipment date exists for such requisitions, it is assumed that they will not be included in the survey responses. This assumption is strengthened by the fact that requisitions for services are traditionally accomplished at the beginning of the fiscal year but not administratively completed until the end of the fiscal year. Since no receipt date would exist at the end of FY 84-1, the requisition would not be in the completed file and thus not subject to sampling.

A period of two weeks was allowed after the survey due date of 15 October 1985 for receipt of returned questionnaires. A cutoff was made on 3 November 1985. The final response figures are as follows:

Surveys sent	423	100%
Surveys returned (total)	119	28%
Surveys returned undelivered	4	1%
Surveys returned incomplete	18	4%
Surveys returned completed	97	23%
Surveys not returned	304	72%

The RRTMIS source population for the Transportation Time Report for Atlantic and Pacific ships during FY85-1 was 223,577 requisitions. The sample produced 1,300 records, or .58% of the RRTMIS base total. A summary of the variable distributions for both the survey and RRTMIS is presented in Figure IV-4, and the fleet sample data are compiled by ship in Appendix D.

	SURVEY		RRTMIS	
# = Group Sample Size, % = Percent of Base Total				
VAR	#	%	#	%
PACIFIC FLEET	676	52	67,473	30.2
ATLANTIC FLEET	624	48	156,104	69.8
DEPLOYED	647	49.8	62,973	28.2
NONDEPLOYED	653	50.2	160,604	71.8
NAVY STOCK POINT	1,112	85.5	181,575	81.2
NSC/NSD STOCK POINT	1,030	79	176,402	78.9
OTHER STOCK POINT	188	14.5	42,002	18.8
AIR	580	44.6	98,098	44.2
SURFACE	216	16.6	38,165	17.2
LOCAL	504	38.8	85,602	38.6
IPG I	295	22.7	14,930	6.8
IPG II	502	38.6	131,130	59.9
IPG III	503	38.7	72,821	33.3
CASREP	219	16.8	282	.1
ILO	120	9.2	N/A	N/A
BASE TOTAL	1,300		223,577	

Figure IV-4. Variable Distribution Summary

B. STATISTICAL METHODS

This section describes the chosen analytical approach to the data. In order to compare the survey data with RRTMIS, the structure of the data was kept as close as possible to the RRTMIS report format.

Sample records with Transportation times in excess of 99 days were eliminated from the comparison. These amounted to 15 records representing 1.2% of the sample. The RRTMIS excludes requisitions with times in excess of 99 days because the reader program for the system does not exceed two numeric fields [13].

The data were grouped by stratifying variables in the same hierarchical sequence as the RRTMIS Transportation Time Report. The five major variables were consignee, fleet, issuing stock point, mode of shipment, and IPG. The RRTMIS basis for comparison provided by the report included number of requisitions in the group, group mean, group standard deviation, group median, group range, and the percent of group requisitions within UMMIPS standards.

The primary comparison of the sample data with the RRTMIS Transportation Time Report is by comparison of group means to detect any differences large enough to imply that the corresponding population means are different. The purpose of this approach is to lead the researcher to inferences and conclusions regarding differences in the Transportation Time

performance of non-mechanized fleet units in comparison with RRTMIS performance reports.

The first test chosen for this comparison is the Analysis of Variance (ANOVA). The ANOVA F-test is deemed appropriate because of the large number of comparisons to be made. If many t-tests were used alternatively for each pair of means, the overall risk of rejecting the equality of means when all the means were in fact equal (Type I error) would be worse. The ANOVA method provides a single test for comparing all the means while controlling this overall risk [14:354].

In using the ANOVA procedure, the following assumptions were made:

- The RRTMIS and survey measurements are selected from a normal population.
- The RRTMIS and survey measurements are independent.
- The RRTMIS and survey group true variances are equal.

In making the above assumptions, certain potential problems exist. First, normality may be affected by heavy tails in the group population data if so indicated by outliers in the RRTMIS and sample data. If this is the case, the number of measurements is considered large enough in each group that the F probabilities will still be reasonably accurate.

Second, the equality of variances may be affected by the substantially different number of measurements in each group. The RRTMIS groups are much larger than the survey groups and

large variances could occur which may cause distortions in the F probabilities.

Should such distortions arise, Scheffe's method for assessing differences among specified means in terms of confidence intervals is considered a more conservative and general approach. Unless there is gross skewness or inequality of variances in the data, the robustness of Scheffe's method gives protection against even fairly serious violations of assumptions [14:367-370].

The approach to comparison of the RRTMIS and survey group means is therefore to use the ANOVA F-test first. After assessment of the results in light of the assumptions, Scheffe's method is then applied. The test results are summarized and presented in Chapter V.

V. ANALYSIS

A. HYPOTHESES

This chapter will seek to answer two principal questions about the RRTMIS and sample data. First, are the RRTMIS and sample group means equal? Equality of means would be a good indication that the RRTMIS data well describes the sample population. The alternative hypothesis is that the means are not equal. Significant differences among RRTMIS and sample means would tend to indicate that RRTMIS is not a good descriptor of the sample population.

Secondly, asking the question again but with a different method, are the differences between the RRTMIS and sample group means equal to zero? A possible alternative hypothesis here is that the sample group means are all significantly greater than the RRTMIS group means. This condition would tend to indicate longer transportation times for the non-mechanized fleet shipments than for those going to mechanized customers currently tracked by RRTMIS.

To answer these questions, the data were grouped by service, deployment status, mode of shipment, Naval Supply Centers and Depots, and combined overall performance. Each of the groups were further sorted by Issue Priority Group for computer analysis. The MINITAB and SPSS-x statistical programs were used to perform the Analysis of Variance,

Scheffe interval and normal confidence interval computations and to produce the graphic displays as the basis for the figures in this chapter [16:26].

Analysis in the following section is organized by data group. Accompanying histograms, boxplots, analysis of variance tables, Scheffe and normal intervals are referenced in the subsection for each group [17]. Pertinent RRTMIS statistics have been extracted from Appendix B to facilitate the discussion.

The histograms usually suggest skewness, indicating caution in application of the normality assumption is warranted. Sample sizes are considered to be sufficiently large to rely on the implications of the Central Limit Theorem for means when using the Analysis of Variance and confidence interval procedures [14:189-191]. Specifically, the service, Naval Supply Center and combined groups have no sample sizes less than 100. The deployment status group has one sample size of 97 and the remainder are over 100.

There is also some inequality of sample sizes between groups. This indicates a need for caution in interpretation of the Analysis of Variance results. The one questionable group is that for Issue Priority Group I air shipments, with a sample size of eight. However, the histogram of this group is mound shaped and symmetrical. In view of these compensating facts, the assumption of a normal population is

not considered crucial to the reliability of the test results.

B. ANALYSES

1. The Service Group

The Service group sorts the data by consignee. There are two consignee categories consisting of Pacific and Atlantic homeported ships. There were 665 Pacific and 620 Atlantic shipments in the sample. The RRTMIS sample sizes, means and standard deviations are shown in Figure V-1.

Histograms of the Transportation Time measurements are shown in Figures V-2-A through V-2-F. It should be noted that the histograms are not all on the same scale. A great deal of positive skewness is evident in the histograms.

The UMMIPS standards are three days for IPG I, six days for IPG II, and 13 days for IPG III shipments. For the Pacific, there were 24 IPG I shipments within the standard for 18.3% on time. This compares with 2.1% for the RRTMIS group. An on time summary is displayed with the histograms for each consignee. From the summaries it is evident that a greater proportion of the fleet sample shipments met the standard than from the RRTMIS groups.

Each data point was standardized by subtracting the appropriate appropriate RRTMIS group mean and dividing by the appropriate RRTMIS standard deviation from Figure V-1. Under the null hypothesis that the RRTMIS statistics describe

GROUP	SAMPLE SIZE	MEAN	STD DEVIATION
PAC IPG I	7,851	27.9	19.5
PAC IPG II	38,090	35.2	22.4
PAC IPG III	19,406	36.5	22.1
LANT IPG I	7,079	31.2	20.2
LANT IPG II	93,040	35.3	22.8
LANT IPG III	53,415	30.6	22.1

Figure V-1. Service Group RRTMIS Statistics

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	24	*****
4.50	23	*****
7.50	25	*****
10.50	16	*****
13.50	7	*****
16.50	7	*****
19.50	11	*****
22.50	6	*****
25.50	2	**
28.50	2	**
31.50	3	***
34.50	0	
37.50	1	*
40.50	1	*
43.50	1	*
46.50	1	*
49.50	0	
52.50	1	*

131 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 2.1

SAMPLE 18.3

Figure V-2-A. Pacific IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	82	*****
9.00	77	*****
15.00	49	*****
21.00	27	*****
27.00	12	*****
33.00	6	***
39.00	7	****
45.00	1	*
51.00	1	*
57.00	0	
63.00	0	
69.00	1	*
75.00	1	*
81.00	0	
87.00	0	
93.00	2	*
99.00	1	*

267 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 3.2

SAMPLE 30.7

Figure V-2-B. Pacific IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	140	*****
19.5	68	*****
32.5	36	*****
45.5	11	***
58.5	5	*
71.5	2	*
84.5	5	*

267 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 16.2

SAMPLE 52.4

Figure V-2-C. Pacific IPG III Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	57	*****
4.50	28	*****
7.50	16	*****
10.50	19	*****
13.50	11	*****
16.50	7	*****
19.50	4	**
22.50	7	*****
25.50	2	*
28.50	3	**
31.50	0	
34.50	2	*
37.50	1	*
40.50	1	*
43.50	0	
46.50	0	
49.50	2	*
52.50	2	*

162 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 1.4

SAMPLE 35.2

Figure V-2-D. Atlantic IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	80	*****
9.00	61	*****
15.00	33	*****
21.00	16	*****
27.00	10	*****
33.00	13	*****
39.00	5	***
45.00	2	*
51.00	4	**
57.00	1	*
63.00	0	
69.00	2	*
75.00	1	*
81.00	1	*
87.00	2	*
93.00	1	*

232 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 1.6

SAMPLE 34.5

Figure V-2-E. Atlantic IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	118	*****
19.5	66	*****
32.5	17	****
45.5	14	***
58.5	6	**
71.5	1	*
84.5	0	
97.5	4	*

226 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 19.1

SAMPLE 52.2

Figure V-2-F. Atlantic IPG III Transportation Times

the sample data well, the distribution of the transformed data should have a mean of about zero and standard deviation one. For the discussion in this chapter, the transformed data will be called standard transformations even though the data will not look normal but highly skewed, as the histograms suggest.

Boxplots of the standard transformations for each group are shown in Figure V-3. These display a graphical summary of where the median is, how spread out the middle half of the scores are, and how the tails relate to it. The H-spread is the middle half of the data and whiskers show lower and upper quartiles of the values. An asterisk (*) represents a value outside the inner fence or range of the four quartiles (1.5 times the H-spread). A letter (O) represents a value far outside the fence (3 times the H-spread) [15:65-70].

The medians, indicated by a plus sign (+), for each of the Pacific IPG's appear to be identical, with a slightly lower H-spread for the IPG I scores. This would tend to indicate lower variances between the RRTMIS and sample means in the Pacific category. The Pacific IPG I plot has only three values outside the inner fence, while all the other groups have several outliers.

The Atlantic plots appear to have slightly more variability than the Pacific, but overall the spread appears very close among the groups. However, the large number of outlying values again indicate the skewness of the data. It

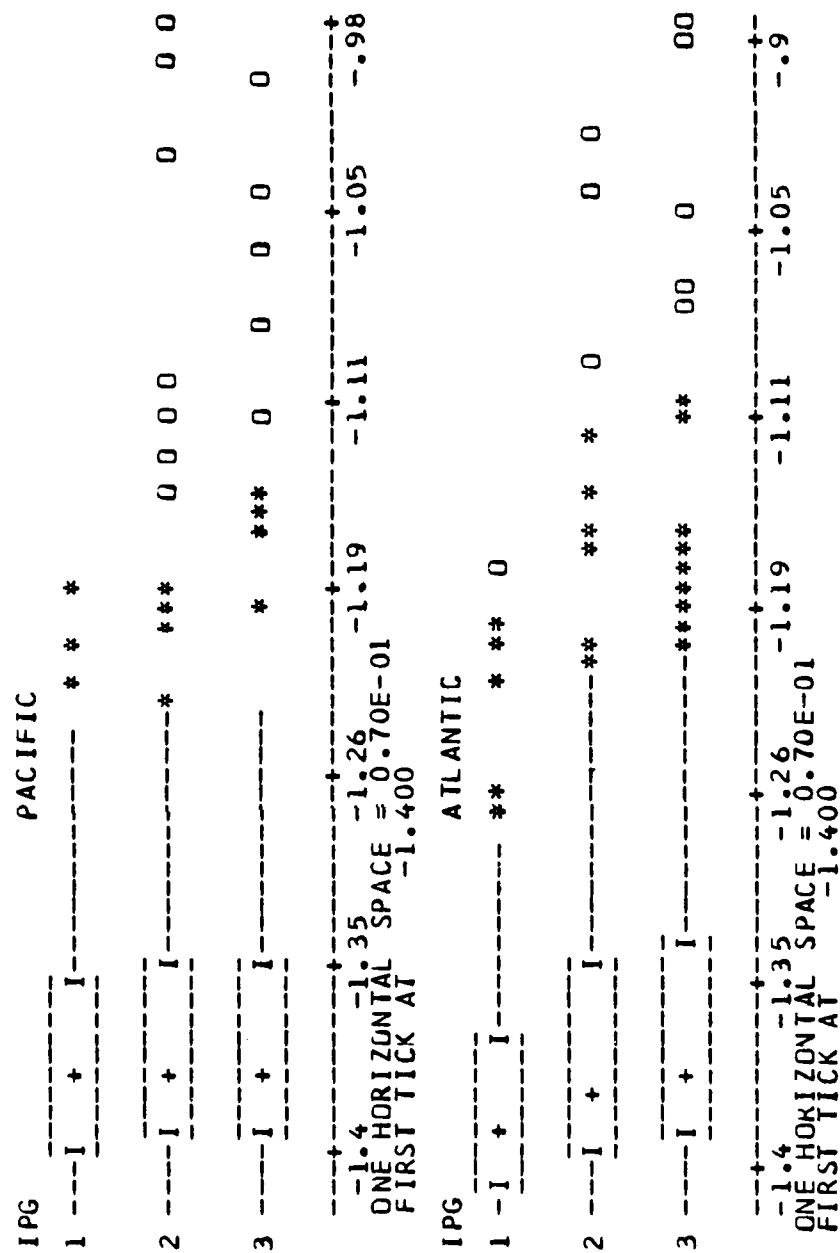


Figure V-3. Service Group Boxplots

is not surprising that the IPG II and IPG III shipments have more outlying values, since these groups typically experience large volume than IPG I.

The Analysis of Variance for the service group is presented in Figure V-4. The data used for the test are the standard transformations. If the RRTMIS data well describe the sample then all means would be zero. The test is for equal Issue Priority Group means among Pacific and Atlantic consignees, using a maximum probability of Type I error equal to .05. Since $F = 11.57$ is greater than 2.21, the $F_{.05}$ value based on 5 and infinite degrees of freedom, the equality of means hypothesis is rejected. The attained significance level is less than .001 indicating strong rejection. Thus there is conclusive evidence of significant differences among the standard transformation means for the Issue Priority Groups.

The Scheffe multiple range test results in Figure V-5 reveal specifically which of these group means are different. The Scheffe table indicates that the Pacific IPG III average standard transformation is significantly different from (in fact greater than) that of the IPG I Atlantic group. The RRTMIS means describe the IPG III sample transportation times better than the other groups. This is encouraging since the UMMIPS standard for IPG III shipments is eight days greater than the IPG I standard and less variability in routine

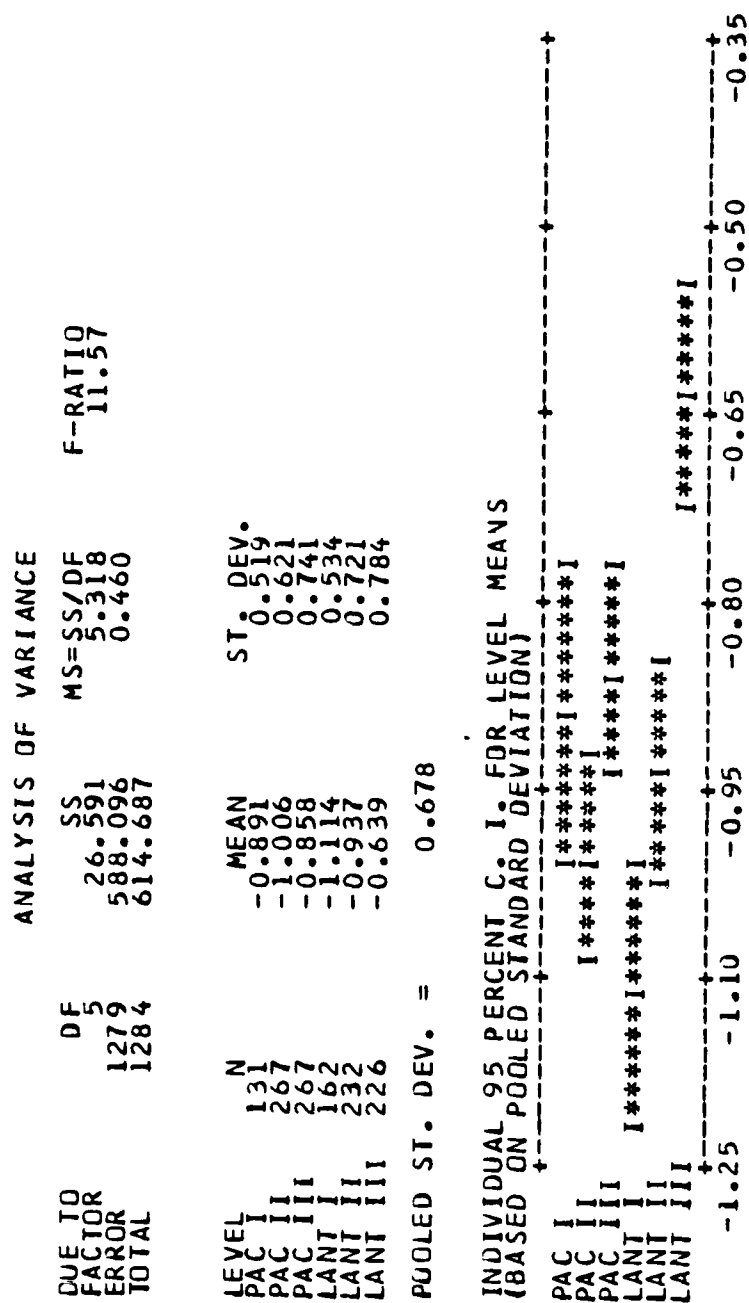


Figure V-4. Service Group Analysis of Variance

SCHEFFE

		G R P	G R P	G R P	G R P	G R P	G R P
MEAN	GROUP	4	2	5	1	3	6
-1.1137	4-LANT I						
-1.0065	2-PAC II						
-0.9372	5-LANT II						
-0.8905	1-PAC I						
-0.8583	3-PAC III	*					
-0.6392	6-LANT III	*	*	*	*	*	

NORMAL INTERVALS

GROUP	%	SIGMA	CONFIDENCE INTERVAL
PAC IPG I	99	.519	-1.0076, -0.7735
PAC IPG II	99	.621	-1.1045, -0.9084
PAC IPG III	99	.741	-0.9753, -0.7412
LANT IPG I	99	.534	-1.2220, -1.0054
LANT IPG II	99	.721	-1.0594, -0.8151
LANT IPG III	99	.784	-0.7738, -0.5046

Figure V-5. Service Group Scheffe and Normal Intervals

RRTMIS and sample shipments would be expected than in high priority ones.

The table also shows that the Atlantic IPG III mean standard transformation is significantly greater than all the other groups. This agrees with the ANOVA confidence interval graph in Figure V-4 and tends to indicate smaller differences between the RRTMIS and sample transportation times for routine shipments to Atlantic consignees. Comparatively, the paired Pacific groups were more different.

Figure V-5 also displays 99 percent normal confidence intervals for the means of the standardized data. None of the resulting normal confidence intervals contain zero, and all the range values are negative. Assuming the normality of the mean of the transformed data, there is 95% confidence that all six of the sample means are less than the corresponding RRTMIS means.

This condition would tend to indicate transportation times are shorter for non-mechanized Pacific and Atlantic consignees than for those going to RRTMIS customers. Whatever the delays and logistic obstacles experienced by the ships in the fleet sample, or possibly even because of the existence of these difficulties, they still received faster mean transportation service overall.

2. Deployment

The Deployment group sorts the data by ship operational status. There are two categories, not deployed and deployed. There were 647 shipments to not deployed and 638 shipments to deployed consignees in the sample. The RRTMIS sample sizes, means and standard deviations used in the standard transformations for this group are shown in Figure V-6.

Histograms of Deployment group Transportation Time measurements are shown in Figures V-7-A through V-7-F. The on time summary shows higher percentages of prompt shipments in every IPG of the sample than for the respective RRTMIS groups. It appears that the sample shipment performance far exceeded that of the RRTMIS customers in both deployed and not deployed status. Again, the histograms appear to be skewed to the right.

Data within each group were again standardized by subtracting the RRTMIS group mean and dividing by the RRTMIS standard deviation. Although the data will not be normally distributed, under the null hypothesis that the RRTMIS means and standard deviations well describe the sample data, the standardized data should have a mean of zero and a standard deviation of one.

Boxplots of the standard transformations for both of these categories by IPG are shown in Figure V-8. As in the Service group, the spreads appear very close with overlap

GROUP	SAMPLE SIZE	MEAN	STD DEVIATION
NONDEP IPG I	7,845	28.4	20.1
NONDEP IPG II	99,603	36.3	23.6
NONDEP IPG III	50,998	28.3	21.3
DEPLOY IPG I	7,085	30.7	19.7
DEPLOY IPG II	31,527	32.2	19.4
DEPLOY IPG III	21,823	41.2	22.0

Figure V-6. Deployment Group RRTMIS Statistics

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	52	*****
4.50	17	*****
7.50	10	*****
10.50	7	*****
13.50	1	*
16.50	2	*
19.50	2	*
22.50	2	*
25.50	1	*
28.50	1	*
31.50	1	*
34.50	0	
37.50	1	*

97 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS .8

SAMPLE 53.6

Figure V-7-A. Not Deployed IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	90	*****
9.00	77	*****
15.00	45	*****
21.00	28	*****
27.00	13	*****
33.00	5	***
39.00	8	***
45.00	1	*
51.00	1	*
57.00	1	*
63.00	0	
69.00	1	*
75.00	2	*
81.00	1	*
87.00	1	*
93.00	2	*

276 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 1.9

SAMPLE 32.6

Figure V-7-B. Not Deployed IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	153	*****
19.5	79	*****
32.5	25	*****
45.5	9	**
58.5	5	*
71.5	1	*
84.5	0	
97.5	2	*

274 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 17.1

SAMPLE 55.8

Figure V-7-C. Not Deployed IPG III Transportation Times

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	29	*****
4.50	34	*****
7.50	31	*****
10.50	28	*****
13.50	17	*****
16.50	12	*****
19.50	13	*****
22.50	11	*****
25.50	3	***
28.50	4	***
31.50	2	**
34.50	2	**
37.50	1	*
40.50	2	**
43.50	1	*
46.50	1	*
49.50	2	**
52.50	3	***

196 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 2.8

SAMPLE 14.8

Figure V-7-D. Deployed IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	72	*****
9.00	61	*****
15.00	37	*****
21.00	15	*****
27.00	9	*****
33.00	14	*****
39.00	4	**
45.00	2	*
51.00	4	**
57.00	0	
63.00	0	
69.00	2	*
75.00	0	
81.00	0	
87.00	1	*
93.00	1	*
99.00	1	*

223 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 2.7

SAMPLE 32.3

Figure V-7-E. Deployed IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	105	*****
19.5	55	*****
32.5	28	*****
45.5	16	****
58.5	6	**
71.5	2	*
84.5	5	*
97.5	2	*

219 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 21.2

SAMPLE 47.9

Figure V-7-F. Deployed IPG III Transportation Times

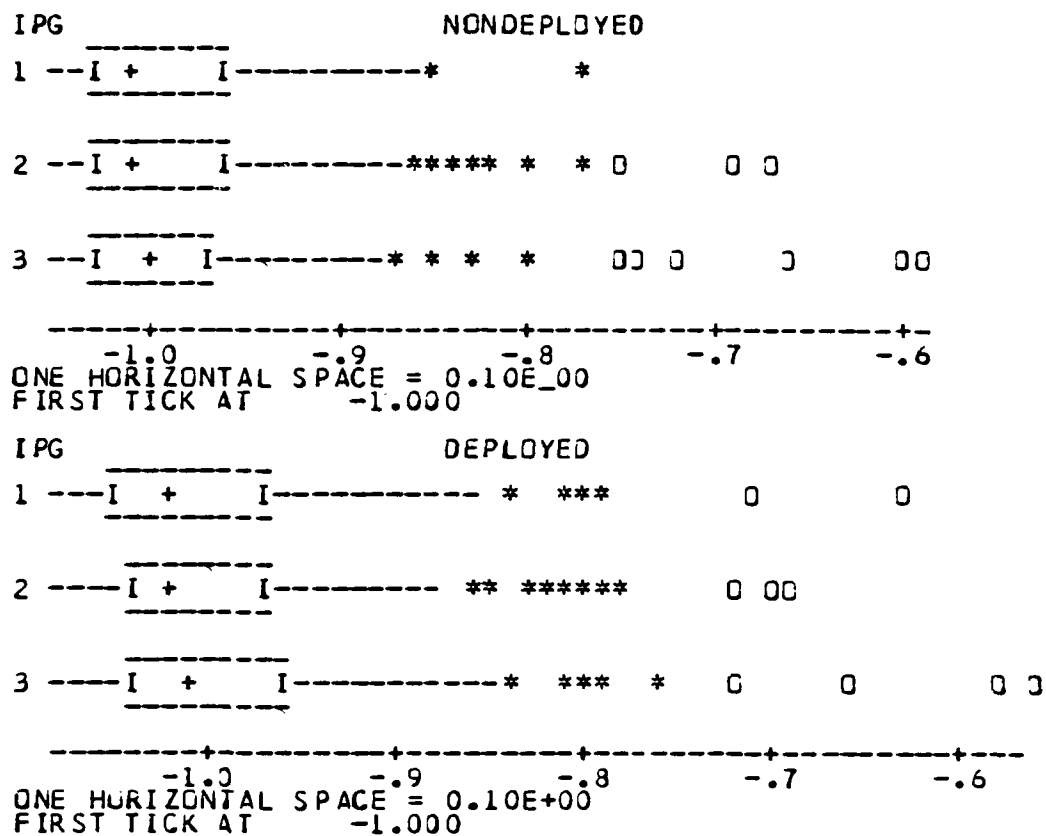


Figure V-8. Deployment Group Boxplots

between ranges. This time the IPG I not deployed group has only two values outside the inner fence, while all the other groups have several values outside. All the boxes are close to the left side of the horizontal scale. These conditions tend to indicate negative standard transformations in all groups. The paired group data would be expected to be grossly similar.

Moving to the Analysis of Variance table in Figure V-9, it is evident that there must be at least one significantly different group. The test is for equal standardized IPG means among shipments to not deployed and deployed ships, using a .05 maximum probability of Type I error. Since the F-ratio of 13.29 is greater than the 2.21 critical value, the equality of means hypothesis is rejected. The attained significance level is less than .001, indicating strong rejection. So there is strong evidence that the mean standard transformation for at least one of the groups is significantly different than the others.

The Scheffe test bears this out. The table of range test results in Figure V-10 shows that the IPG III standard transformation average (-.6272) for not deployed consignees is significantly greater than all the other groups. This is supported graphically by the ANOVA confidence interval graph in Figure V-9. Smaller differences are indicated between the RRTMIS and sample transportation times for routine shipments to customers not deployed away from their home ports. By

ANALYSIS OF VARIANCE			
DUE TO	DF	SS	MS=SS/DF
FAC TOR	5	31.968	6.394
ERROR	1279	615.297	0.481
TOTAL	1284	647.265	

LEVEL	N	MEAN	ST. DEV.
NDEP I	97	-1.165	0.369
NDEP II	276	-0.987	0.628
NDEP III	274	-0.627	0.667
DEP I	196	-0.961	0.563
DEP II	223	-0.962	0.801
DEP III	219	-0.978	0.878

POOLED ST. DEV. = 0.694	
INDIVIDUAL 95 PERCENT C. I. FOR LEVEL MEANS (BASED ON POOLED STANDARD DEVIATION)	
NDEP I	-1.35 -1.20 -1.05 -0.90 -0.75 -0.60 -0.45
NDEP II	
NDEP III	
DEP I	
DEP II	
DEP III	

Figure V-9. Deployment Group Analysis of Variance

SCHEFFE

		G R P	G R P	G R P	G R P	G R P	G R P
MEAN	GROUP	1	2	6	5	4	3
-1.1652	1-NONDEP IPG I						
-0.9865	2-NONDEP IPG II						
-0.9782	6-DEP IPG III						
-0.9622	5-DEP IPG II						
-0.9609	4-DEP IPG I						
-0.6272	3-NONDEP IPG III	*	*	*	*	*	

NORMAL INTERVALS

GROUP	%	SIGMA	CONFIDENCE INTERVAL
NONDEP IPG I	99	.369	-1.2619, -1.0685
NONDEP IPG II	99	.628	-1.0841, -0.8889
NONDEP IPG III	99	.667	-0.7312, -0.5231
DEPLOY IPG I	99	.563	-1.0647, -0.8571
DEPLOY IPG II	99	.801	-1.1006, -0.8237
DEPLOY IPG III	99	.878	-1.1313, -0.8250

Figure V-10. Deployment Group Scheffe and Normal Intervals

comparison, higher priority not deployed shipments and shipments to deployed customers experienced greater variability between the RRTMIS and sample times.

It should also be noted that there is some inequality of sample sizes among the groups, and that the medians of all the groups appear to be about the same. This suggests that the inequality of means indicated by ANOVA may be due to outlying values in the different groups since the data is skewed.

Turning to the hypothesis of all transformation means equal to zero, Figure V-10 also displays 99 percent normal confidence intervals for the mean of the transformed data. None of the normal confidence intervals for the paired Deployment group standard transformations contains zero, and all the values are negative. This indicates shorter mean transportation times for the sample customers than for the RRTMIS groups.

This is particularly interesting since the groups with the least difference between the RRTMIS and sample times were those for routine shipments to deployed customers. The smaller non-mechanized ships are apparently receiving slightly faster mean transportation service than any other customers.

3. Mode of Shipment

The Mode of Shipment group breaks the data down into air, surface, and local delivery transportation modes. There are 572 air shipments, 210 surface shipments, and 503 local deliveries in the sample. The RRTMIS statistics used in the standard transformations for this group are presented in Figure V-11.

Transportation Time histograms by mode and IPG are shown in Figures V-12-A through V-12-I. Once again, the data appear to be right skewed. The histograms are on different scales in order to highlight the number of shipments on time against the UMMIPS standards. All of the sample air and local delivery groups exhibited higher on time performance against the UMMIPS standards than the RRTMIS groups. All of the sample surface shipment groups showed lower percentages of shipments on time than RRTMIS surface customers, although the IPG II's and III's were close. This could be due to the effect of short term local operation of ships away from their home ports while not deployed.

Ships in this status often remain out of port and away from onward forwarding of all deliveries for one to ten days. Surface shipments include parcel post originating from shippers other than the nearest stock point, and sixty-two percent of the surface sample was parcel post. Since the UMMIPS standard for IPG I Transportation Time is only three

GROUP	SAMPLE SIZE	MEAN	STD DEVIATION
AIR IPG I	17,571	24.4	19.6
AIR IPG II	82,406	31.0	20.3
AIR IPG III	14,242	27.8	18.7
SURF IPG I	2,753	16.8	16.8
SURF IPG II	17,363	37.6	26.6
SURF IPG III	37,760	33.0	23.3
LOCAL IPG I	6,366	21.6	21.4
LOCAL IPG II	57,712	31.6	24.4
LOCAL IPG III	52,755	22.5	20.2

Figure V-11. Mode Group RRTMIS Statistics

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	37	*****
4.50	42	*****
7.50	39	*****
10.50	28	*****
13.50	16	*****
16.50	14	*****
19.50	13	*****
22.50	11	*****
25.50	3	***
28.50	4	****
31.50	2	**
34.50	2	**
37.50	2	**
40.50	2	**
43.50	1	*
46.50	1	*
49.50	2	**
52.50	3	***

222 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 4.5

SAMPLE 16.6

Figure V-12-A. Air IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	54	*****
9.00	74	*****
15.00	38	*****
21.00	23	*****
27.00	10	*****
33.00	16	*****
39.00	3	**
45.00	1	*
51.00	1	*
57.00	1	*
63.00	0	
69.00	3	**
75.00	0	
81.00	1	*
87.00	2	*
93.00	1	*
99.00	1	*

229 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 1.7

SAMPLE 23.6

Figure V-12-B. Air IPG II Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	61	*****
19.5	35	*****
32.5	13	*****
45.5	4	**
58.5	3	**
71.5	0	
84.5	3	**
97.5	2	*

121 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 1.9

SAMPLE 50.4

Figure V-12-C. Air IPG III Transportation Times

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	1	*
4.50	1	*
7.50	1	*
10.50	3	***
13.50	1	*
16.50	0	
19.50	0	
22.50	1	*

8 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 39.8

SAMPLE 12.5

Figure V-12-D. Surface IPG I Transportation Times

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	11	*****
9.00	21	*****
15.00	15	*****
21.00	3	***
27.00	3	***
33.00	1	*
39.00	1	*
45.00	0	
51.00	3	***
57.00	0	
63.00	0	
69.00	0	
75.00	1	*
81.00	0	
87.00	0	
93.00	1	*

60 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 20.2

SAMPLE 18.3

Figure V-12-E. Surface IPG II Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	47	*****
19.5	52	*****
32.5	21	*****
45.5	14	*****
58.5	6	***
71.5	2	*

142 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 33.3

SAMPLE 33.1

Figure V-12-F. Surface IPG III Transportation Times

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	43	*****
4.50	8	*****
7.50	1	*
10.50	4	****
13.50	1	*
16.50	0	
19.50	2	**
22.50	1	*
25.50	1	*
28.50	1	*
31.50	1	*
	63	GROUP SAMPLE SIZE

PERCENT ON TIME	
RRTMIS	12.2
SAMPLE	68.2

Figure V-12-G. Local Delivery IPG I Transportation Times

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	97	*****
9.00	43	*****
15.00	29	*****
21.00	17	*****
27.00	9	*****
33.00	2	*
39.00	8	****
45.00	2	*
51.00	1	*
57.00	0	
63.00	0	
69.00	0	
75.00	1	*
81.00	0	
87.00	0	
93.00	1	*

210 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 3.6

SAMPLE 46.2

Figure V-12-H. Local Delivery IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	150	*****
19.5	47	*****
32.5	19	*****
45.5	7	**
58.5	2	*
71.5	1	*
84.5	2	*
97.5	2	*

230 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 23.9

SAMPLE 65.2

Figure V-12-I. Local Delivery IPG III Transportation Times

days, it seems logical that the IPG I shipments would be the poorest performers.

The data were standardized as before by subtracting the appropriate RRTMIS group mean and dividing by the appropriate RRTMIS standard deviation. Under the null hypothesis that the RRTMIS statistics well describe the sample data, the distribution of the transformations should have a mean of about zero and a standard deviation of approximately one.

The boxplots for the air and local delivery modes in Figure V-13 appear to have similar spreads with all the data clustered against the low end of the horizontal plot. Some caution must be used in looking at the boxplots since the scales are not always the same. Sample sizes also differ between groups.

The local delivery IPG I group has fewer values outside the fence than the air groups, indicating less variability between RRTMIS and the sample data for high priority shipments from the nearby stock point. The surface H-spreads are generally more to the right than those for the air and local delivery modes, which may indicate greater differences between the RRTMIS and sample surface groups, which has already been suggested by the on time summary from the histograms.

The Analysis of Variance for the Mode of Shipment group transformations is presented in Figure V-14, and

Figure V-13. Mode Group Boxplots

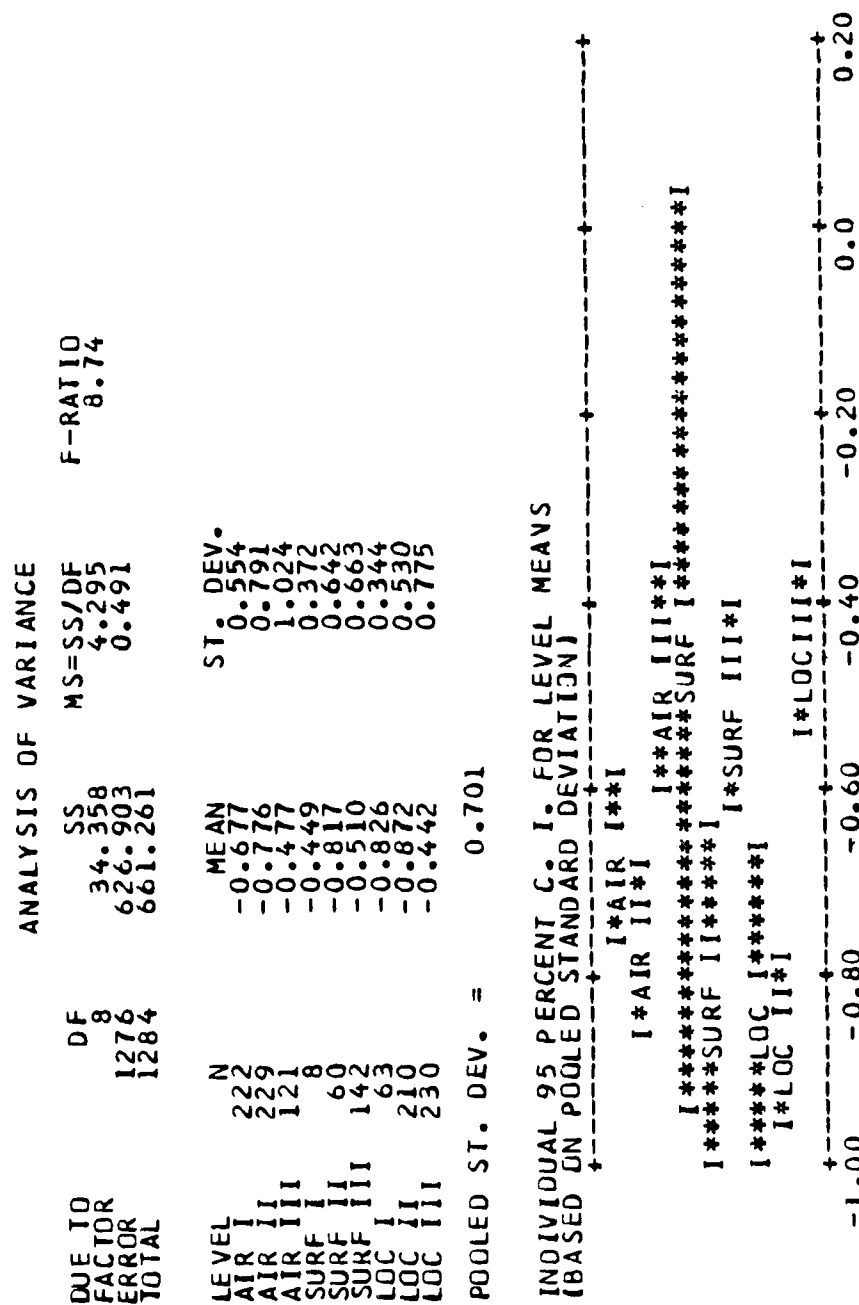


Figure V-14. Mode Group Analysis of Variance

confirms the alternate hypothesis that at least one of the group means is different, although some caution is appropriate due to disparities in sample size. The $F_{.05}$ value based on 8 and infinite degrees of freedom is 1.94. Since $F = 8.74$ is greater than the 1.94 critical value the equality of means null hypothesis is rejected. Strong rejection is indicated for this test by an attained level of significance of less than .001.

The Scheffe results in Figure V-15 delineate four group differences. The local delivery IPG II mean standard transformation is significantly less than the IPG III mean scores for all modes. This indicates comparatively less difference between the RRTMIS and sample IPG III mean local delivery times.

At first, this would appear to be the result of sheer volume. Of all the IPG III shipments, forty-seven percent were local delivery. Additionally, stock points administratively assign a transportation time of one day to all local delivery shipments, no matter what the actual time may be. This could have an effect of skewing the RRTMIS data to the low side.

On the other hand, this effect could not exist in the sample because actual receipt dates were used to compute the times. Since there is low variability in the differences between the RRTMIS and sample local IPG III means, the effect of the stock point policy is apparently minimal. The fact

AD-A165 272

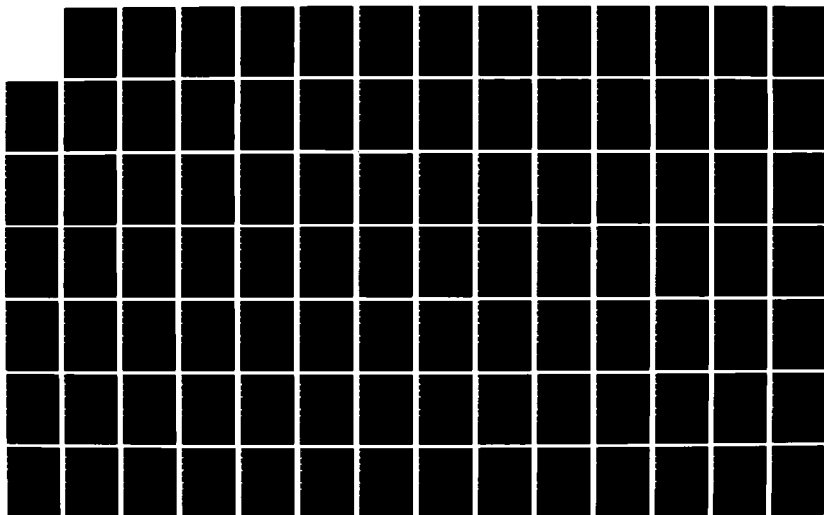
A PERFORMANCE COMPARISON OF THE REQUISITION RESPONSE
TIME MANAGEMENT INFO. (U) NAVAL POSTGRADUATE SCHOOL
MONTEREY CA J M GRAHAM DEC 85

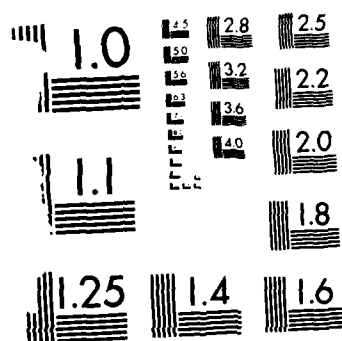
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

		SCHEFFE								
		G R P	G R P	G R P	G R P	G R P	G R P	G R P	G R P	G R P
MEAN	GROUP	8	7	5	2	1	6	3	4	9
-0.8724	8-LOCAL II									
-0.8261	7-LOCAL I									
-0.8170	5-SURF II									
-0.7757	2-AIR II									
-0.6775	1-AIR I									
-0.5105	6-SURF III	*								
-0.4772	3-AIR III	*								
-0.4494	4-SURF I									
-0.4417	9-LOCAL III	*			*					

NORMAL INTERVALS			
GROUP	%	SIGMA	CONFIDENCE INTERVAL
AIR IPG I	99.7	.554	-0.7881, -0.5668
AIR IPG II	99.7	.791	-0.9312, -0.6202
AIR IPG III	99.7	1.024	-0.7542, -0.2002
SURF IPG I	99.7	.372	-0.8407, -0.0581
SURF IPG II	99.7	.642	-1.0636, -0.5074
SURF IPG III	99.7	.663	-0.6760, -0.3449
LOCAL IPG I	99.7	.344	-0.9551, -0.6972
LOCAL IPG II	99.7	.530	-0.9812, -0.7635
LOCAL IPG III	99.7	.775	-0.5937, -0.2896

Figure V-15. Mode of Shipment Scheffe and Normal Intervals

remains that mean transportation times for the RRTMIS and sample routine local delivery shipments were closer than for those with the higher priority.

A difference between the local delivery IPG III and the air IPG II means is also indicated, with the air shipments experiencing greater difference between the RRTMIS and samples means than the locals. This suggests that the routine local delivery shipments had a narrower range of values than the air shipments. This is just as reasonable to expect as with the local IPG II's because of volume processing of deliveries to local customers by stock points.

The results are also interesting in the absence of differences among the standardized IPG I means and any other groups. Issue Priority Group I performance between RRTMIS and the sample are not significantly different, even when the local operations situation is taken into account. This would tend to indicate that the higher priority shipments take about the same time for both groups.

The 99.7 percent normal confidence intervals for the standardized group means in Figure V-15 may amend this assessment slightly. Since none of the intervals contains zero, the null hypothesis of equality between all RRTMIS and sample group means is again rejected with 95 percent confidence. The fact that all the range values are negative shows that the sample mean transportation times for all modes are actually less than the RRTMIS time. However, there is a

significant difference between how much the sample group means differ from the RRTMIS means as indicated by the Analysis of Variance.

4. Naval Supply Centers and Depots

The Naval Supply Centers and Depots group (hereafter referred to as the NSC group) included only data on shipments made by one of the ten Naval Supply Centers or Depots listed in Figure IV-3. There were 1,018 NSC group shipments in the sample. The RRTMIS statistics for this group are shown in Figure V-16.

Figures V-17-A through V-17-C display histograms of the Transportation Time measurements. The sample on time performance exceeded that experienced by the RRTMIS customers in all three Issue Priority Groups. The histograms indicate gross similarity in the frequency distributions of all three groups. It should be noted, however, that the scales are different.

Once again, the data were standardized by subtracting the RRTMIS group mean and dividing by the RRTMIS standard deviation. Although the data will not be normally distributed, under the null hypothesis that the RRTMIS means and standard deviations well describe the sample data, the transformed data should have mean zero and standard deviation one.

Boxplots in Figure V-18 indicate similar medians for the standard transformations of the three Issue Priority

GROUP	SAMPLE SIZE	MEAN	STD DEVIATION
NSC I	14,177	27.6	21.2
NSC II	108,366	32.8	22.2
NSC III	72,021	30.0	21.8

Figure V-16. NSC/D Group RRTMIS Statistics

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	67	*****
4.50	36	*****
7.50	29	*****
10.50	23	*****
13.50	10	*****
16.50	11	*****
19.50	12	*****
22.50	7	*****
25.50	4	**
28.50	5	**
31.50	3	**
34.50	2	*
37.50	2	*
40.50	2	*
43.50	0	
46.50	1	*
49.50	2	*
52.50	3	**

219 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 4.6

SAMPLE 30.6

Figure V-17-A. NSC/D IPG I Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	136	*****
9.00	102	*****
15.00	69	*****
21.00	33	*****
27.00	21	*****
33.00	15	***
39.00	7	**
45.00	1	*
51.00	3	*
57.00	1	*
63.00	0	
69.00	3	*
75.00	2	*
81.00	1	*
87.00	1	*
93.00	1	*
99.00	1	*

397 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 2.3

SAMPLE 34.3

Figure V-17-B. NSC/D IPG II Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	227	*****
19.5	103	*****
32.5	36	*****
45.5	16	*****
58.5	8	**
71.5	3	*
84.5	5	*
97.5	4	*

402 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 22.3

SAMPLE 56.5

Figure V-17-C. NSC/D IPG III Transportation Times

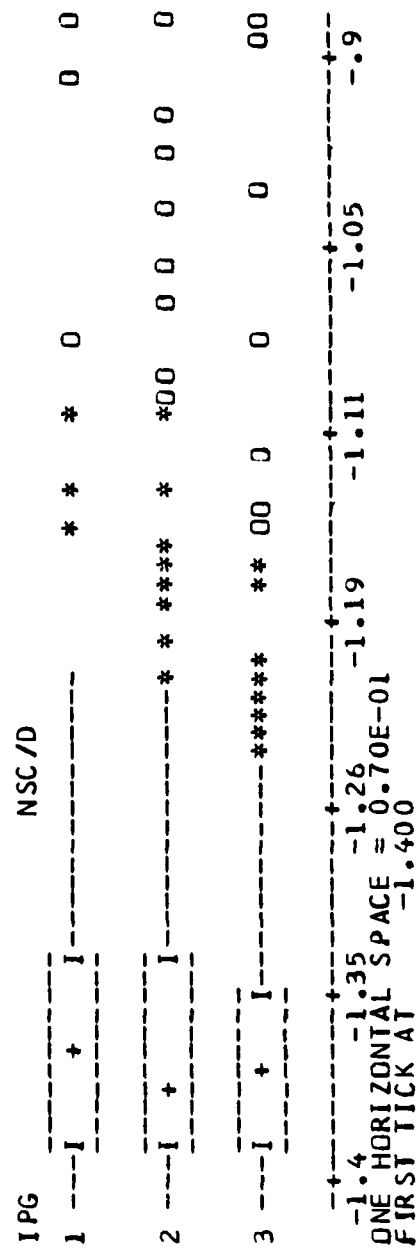


Figure V-18. NSC/D Group Boxplots

Groups. The H-spreads are all close to the low end of the horizontal plot, with numerous values outside and far outside the inner fence in all three groups, again indicating skewness. The IPG III scores appear a little more closely grouped, indicating smaller differences between the RRTMIS and sample means, but overall the spread appears very close among the groups.

The closer grouping of the IPG III scores is also evident in the Analysis of Variance data in Figure V-19. The ANOVA confidence interval graph shows the IPG III interval standing alone at the right side of the scale. The graph strongly suggests that this group's mean will be different from the others. The null hypothesis of equal means is strongly rejected, since $F = 16.35$ is greater than the 3.00 critical value at .05 maximum probability of Type I error with two and infinite degrees of freedom. The attained significance level is much less than .001.

The results of Scheffe's test shown in Figure V-20 confirm that the IPG III standard transformation mean is significantly greater than those of the other groups. This indicates sharply smaller differences among the RRTMIS and sample mean transportation times for IPG III shipments from Naval Supply Centers and Depots. This demonstrates significant evidence that the UMMIPS priority system is working.

ANALYSIS OF VARIANCE				
DUE TO	DF	SS	MS=SS/DF	F-RATIO
FACTOR	2	15.413	7.706	16.35
ERROR	1015	478.325	0.471	
TOTAL	1017	493.738		

LEVEL	N	MEAN	ST. DEV.
NSC I	219	-0.842	0.535
NSC II	397	-0.907	0.648
NSC III	402	-0.637	0.789

POOLED ST. DEV. =	0.686
-------------------	-------

INDIVIDUAL 95 PERCENT C. I. FOR LEVEL MEANS (BASED ON POOLED STANDARD DEVIATION)				
NSC I	I*****I*****I	-0.990	-0.540	-0.450
NSC II	I*****I*****I	-0.990	-0.540	-0.450
NSC III	I*****I*****I	-0.990	-0.540	-0.450

Figure V-19. NSC/D Group Analysis of Variance

SCHEFFE

		G R P	G R P	G R P
MEAN	GROUP	2	1	3
-0.9065	2-NSC/D II			
-0.8420	1-NSC/D I			
-0.6367	3-NSC/D III	*	*	

NORMAL INTERVALS

GROUP	%	SIGMA	CONFIDENCE INTERVALS
NSC/D IPG I	99	.535	-0.9353, -0.7487
NSC/D IPG II	99	.698	-0.9970, -0.8161
NSC/D IPG III	99	.789	-0.7383, -0.5352

Figure V-20. NSC/D Group Scheffe and Normal Intervals

No significant difference among the IPG group means regardless of alignment between RRTMIS and the sample would tend to indicate ineffective management of shipments in support of the mission criticality and urgency of need criteria discussed in Chapter II. This evidence also suggests that transportation time performance is similar from the NSC group for routine shipments measured by RRTMIS and the sample.

It is obvious from the 99 percent normal confidence intervals for the transformed means that none contain zero, confirming rejection of the equality of means. Again, all the range values are negative, indicating lower mean transportation times for the sample than for the RRTMIS customers, regardless of NSC group priority.

5. Overall Issue Priority Groups

The Overall group sorts the data by Issue Priority Group across all categories. There were 293 IPG I, 397 IPG II and 402 IPG III shipments in the sample. The RRTMIS sample sizes, means and standard deviations used in the standard transformations for this group are provided in Figure V-21.

Histograms of the Transportation Time measurements are shown in Figures V-22-A through V-22-C. It should be noted that the scales are different. The sample on time performance exceeded that experienced by RRTMIS customers in all three priority groups. The IPG II histogram exhibits a

GROUP	SAMPLE SIZE	MEAN	STD DEVIATION
OVERALL IPG I	28,060	22.4	19.8
OVERALL IPG II	161,480	31.8	22.8
OVERALL IPG III	107, 445	26.7	21.7

Figure V-21. Overall Group RRTMIS Statistics

EACH * REPRESENTS 2 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
1.50	81	*****
4.50	51	*****
7.50	41	*****
10.50	35	*****
13.50	18	*****
16.50	14	*****
19.50	15	*****
22.50	13	*****
25.50	4	**
28.50	5	***
31.50	3	**
34.50	2	*
37.50	2	*
40.50	2	*
43.50	1	*
46.50	1	*
49.50	2	*
52.50	3	**

293 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 11.5

SAMPLE 28.7

Figure V-22-A. Overall IPG I Transportation Times

EACH * REPRESENTS 5 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
3.00	162	*****
9.00	138	*****
15.00	82	*****
21.00	43	*****
27.00	22	*****
33.00	19	*****
39.00	12	*****
45.00	3	*
51.00	5	*
57.00	1	*
63.00	0	
69.00	3	*
75.00	2	*
81.00	1	*
87.00	2	*
93.00	3	*
99.00	1	*

499 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 4.9

SAMPLE 32.5

Figure V-22-B. Overall IPG II Transportation Times

EACH * REPRESENTS 10 OBSERVATIONS

MIDDLE OF INTERVAL	NUMBER OF OBSERVATIONS	
6.5	258	*****
19.5	134	*****
32.5	53	*****
45.5	25	***
58.5	11	**
71.5	3	*
84.5	5	*
97.5	4	*

493 GROUP SAMPLE SIZE

PERCENT ON TIME

RRTMIS 24.3

SAMPLE 52.3

Figure V-22-C. Overall IPG III Transportation Times

longer tail of outliers than the other two groups, indicating greater potential variability in the data for that group.

Each data point was standardized by subtracting the appropriate RRTMIS group mean and dividing by the respective RRTMIS standard deviation. Under the null hypothesis that the RRTMIS statistics well describe the sample data, the distribution of the transformed data should have a mean of about zero and a standard deviation of about one.

This observation is consistent with the standard transformation boxplots shown in Figure V-23. The IPG II box has a greater number of values far outside the inner fence than either of the other groups. The H-spreads are grouped close to the lower end of the horizontal plot, indicating the majority of the data values are comparatively close together with relatively small differences between the RRTMIS and sample groups.

The evidence presented in the Analysis of Variance in Figure V-24 supports rejection of the equality of means null hypothesis for the Overall group. The F-ratio of 36.30 is significantly greater than the 3.0 critical value and the attained level of significance is less than .001, indicating strong rejection.

Scheffe's test shown in Figure V-25 reveals the specific differences among the group means. The IPG III mean is significantly different from both of the other group means and exhibits the lowest variability between RRTMIS and the

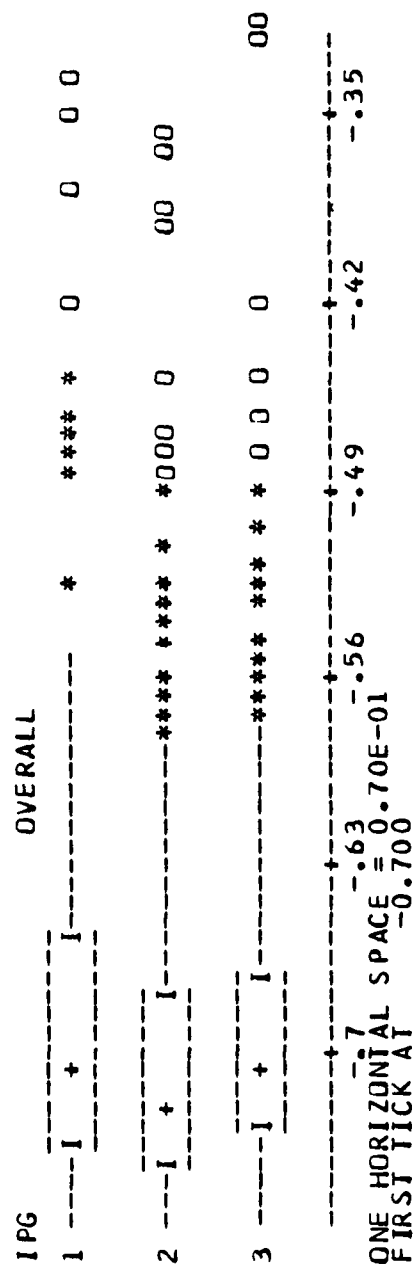


Figure V-23. Overall Group Boxplots

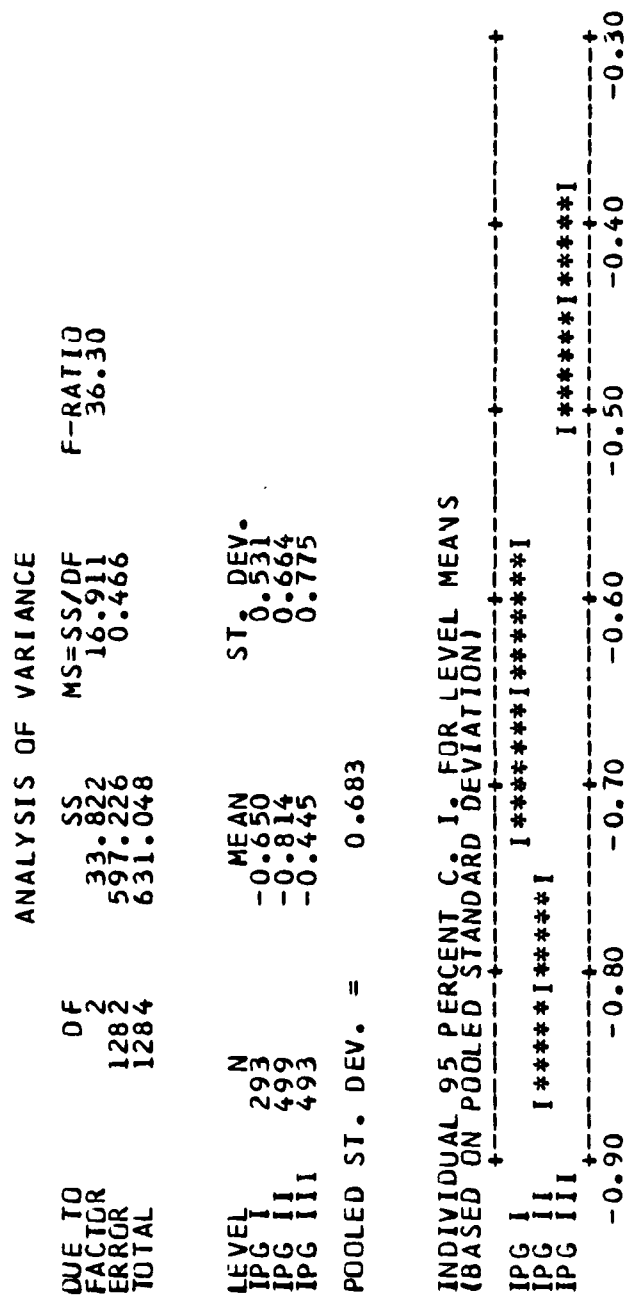


Figure V-24. Overall Group Analysis of Variance

SCHEFFE

		G R P	G R P	G R P
MEAN	GROUP	2	1	3
-0.8137	2-ALL IPG II			
-0.6504	1-ALL IPG I	*		
-0.4449	3-ALL IPG III	*	*	

NORMAL INTERVALS

GROUP	%	SIGMA	CONFIDENCE INTERVALS
ALL IPG I	99	.531	-0.7258, -0.5750
ALL IPG II	99	.664	-0.8904, -0.7369
ALL IPG III	99	.775	-0.5349, -0.3458

Figure V-25. Overall Group Scheffe and Normal Intervals

sample of the three priority groups. As previously discussed, this would normally be expected since routine shipments receive steady workloading at the major stock points, and account for the majority of shipments.

Scheffe's table also shows significant difference exists between the IPG I and IPG II means. Specifically, the IPG II means differ more from the RRTMIS mean than the others. This could be due to the mix of shipment modes by priority group. IPG I shipments in the sample were 76% air, IPG II shipments were 46% air, while IPG III shipments were only 25% air. This suggests that a more even mix of air shipments against the other modes may be related to variability between the RRTMIS and sample data, especially since the RRTMIS IPG/mode relationships are similar.

The 99 percent normal confidence intervals for the means of the standardized data in Figure V-25 once again do not contain zero, indicating that the null hypothesis of equal sample and RRTMIS group means should be rejected. Consistently, all the range values are negative. This further supports the conclusion that the ships in the sample experienced faster mean transportation times than RRTMIS customers, regardless of overall Issue Priority Group.

VI. CONCLUSIONS

A. CONCLUSIONS

Significant differences among the RRTMIS and fleet sample Issue Priority Group means exist in the service, deployment, mode of shipment, stock point, and overall data groups. In general, the RRTMIS statistics do not well describe the fleet sample data. Longer mean transportation times were experienced by mechanized customers currently tracked by RRTMIS than by non-mechanized ships in the fleet sample. Specific differences for each data group indicated by the analytical test results are presented below.

Within the Service group, the RRTMIS mean and standard deviation best describe the fleet sample data for Atlantic IPG III shipments. The Atlantic IPG I group exhibited greater differences between the sample data and the RRTMIS statistics than any of the other groups. The normal confidence intervals demonstrated shorter mean transportation times for the fleet sample than for the RRTMIS customers in both oceans and all shipment priorities. These facts suggest that IPG I shipments to the Atlantic fleet sample customers had the fastest mean transportation times in this group.

Within the Deployment group, IPG III shipment data for non-deployed customers in the fleet sample were best described by the RRTMIS statistics. The non-deployed IPG I

group showed the greatest differences between RRTMIS and the sample. While all the groups indicated shorter mean transportation times for the sample than for RRTMIS, IPG I shipments to the non-deployed sample customers were the fastest.

Within modes of shipment, IPG II local delivery data for fleet sample customers were significantly shorter than the mean transportation times for IPG III shipments by any mode. There was also a significant difference between IPG II air and IPG III local delivery mean transportation times. Once again, the normal confidence intervals demonstrated shorter mean transportation times for the fleet sample than for the RRTMIS customers for all modes and priority groups. Because of large differences in group sample sizes, the relative description of fleet sample data by the RRTMIS statistics for the mode of shipment group was inconclusive.

Within the Naval Supply Center and Depots group, it was clear that the RRTMIS mean and standard deviation best described the fleet sample transportation times for IPG III shipments. This suggests that the RRTMIS and fleet sample transportation time performance is most similar for IPG III issues from Naval Supply Centers and Depots. The IPG II data exhibited the greatest differences between RRTMIS and the sample. All priorities indicated shorter mean transportation times for the fleet sample than for RRTMIS. Mean

transportation time from NSCs to IPG II fleet sample customers was the fastest for this group.

Overall, the RRTMIS statistics best describe fleet sample data for IPG III shipments. The same conclusion can be made for Service, Deployment, and Naval Supply Center Groups above. Again, all Issue Priority Groups exhibited shorter mean transportation times for the fleet sample than for RRTMIS. The greatest difference between the sample data and the RRTMIS mean and standard deviation is for IPG II shipments. This indicates significantly faster mean transportation times for IPG II shipments to the ships in the fleet sample than for any other priority.

This study has shown that non-mechanized requisition, shipment and receipt data can be collected, analyzed and reported through statistical sampling techniques. It has been further shown that the RRTMIS statistics generally do not describe such a sample well, and that the non-mechanized fleet mean transportation times tend to be faster than those for shipments to RRTMIS customers. Ships in the fleet sample also had a higher percentage of shipments on time relative to the UMMIPS time standards, except for surface modes of shipment where large differences in sample sizes made the percentage comparisons inconclusive.

B. AREAS FOR FURTHER RESEARCH

Other issues related to this study should be pursued in order to fully understand the causes of these findings. Some comparison of Transportation Time to the Total Requisition Time for the sample measurements should be made to determine if the sample ships receive faster Mean Supply Response Time than RRTMIS customers. Further cross-tabulation analysis of the service, deployment, mode, ship type, Transportation Time, and Total Requisition Time variables may reveal significant interdependencies which would suggest certain causes of these relationships. The data in Appendices B and D are sufficient to support such analyses.

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APPENDIX A

GLOSSARY

ANOVA	Analysis of Variance
AMC	Army Material Command
AFLC	Air Force Logistics Command
AFSC	Air Force Systems Command
ASD (A&L)	Assistant Secretary of Defense for Acquisition and Logistics
CASREP	Casualty Report Mission-critical material requirement
CDCP	Central Data Collection Point for MILSTEP transportation data
CONUS	Continental United States
CPP	Central Processing Point Collects and reports individual agency in-transit data together with MILSTEP transportation data
DAAS	Defense Automated Addressing System
DLA	Defense Logistics Agency
DLSS	Defense Logistics Standard System
DOD	Department of Defense
DTS	Defense Transportation System MAC - MSC - MTMC
FAD	Force/Activity Designator
FMSO	Fleet Material Support Office
H-SPREAD	The middle half of the data in a boxplot
ICP	Inventory Control Point
IPG	Issue Priority Group

MAC	Military Airlift Command
MILSTAMP	Military Standard Transportation and Movement Procedures
MILSTEP	Military Supply and Transportation Evaluation Procedures
MILSTRIP	Military Standard Requisitioning and Issue Procedures
MSC	Military Sealift Command
MTMC	Military Traffic Management Command
NAVAIR	Naval Air Systems Command
NAVFAC	Naval Facilities Engineering Command
NAVSEA	Naval Sea Systems Command
NAVSUP	Naval Supply Systems Command
NSC	Naval Supply Center
PD	Priority Designator FAD + UND = PD
RRT	Requisition Response Time Performance measurement from date of requisition submission until receipt of material by ultimate consignee
RRTMIS	Requisition Response Time Management Information System
SUADPS	Shipboard Uniform Automated Data Processing System
UADPS-SP	Uniform Automated Data Processing System for Stock Points
UIC	Unit Identification Code
UMMIPS	Uniform Material Movement and Issue Priority System
UND	Urgency of Need Designator

APPENDIX B

RRTMIS TRANSPORTATION TIME REPORT

DESIGNED AND DISTRIBUTED BY
SYSTEM RESPONSE DIVISION
OPERATIONS ANALYSIS DEPARTMENT
NAVY FLEET MATERIAL SUPPORT OFFICE
POST OFFICE BOX 2010
MECHANICSBURG, PA 17055

PAGE 1
INTRODUCTION
DATE 09/11/85

.....
* RRTMIS II REPORTING SYSTEM
* (REQUISITION RESPONSE TIME MANAGEMENT INFORMATION SYSTEM)
*

PURPOSE OF RRTMIS II REPORTING SYSTEM
THIS COMPREHENSIVE STATISTICAL ANALYSIS OF THE NAVAL SUPPLY SYSTEM RESPONSE TIME SEGMENTS PROVIDES A HIGHLY EFFECTIVE MEANS OF APPRAISING PERFORMANCE, EXPOSING INEFFICIENCIES AND WEAKNESSES, AND PRESCRIBING REMEDIES.

DISTRIBUTION OF RRTMIS II REPORTS
DETAILED AND SUMMARY LEVEL REPORTS ARE PRODUCED QUARTERLY AND ANNUALLY FOR DISTRIBUTION TO NAVY USERS INCLUDING NAVSUP, NAVMTO, ASD, SPOC, APPROPRIATE TYPE COMMANDERS, STOCK POINTS, AND OTHERS UPON REQUEST. (SEVERAL REPORTS MAY ALSO BE PRODUCED FOR A SPECIFIED MONTH OR MONTHS.)

RRTMIS II REPORTING SYSTEM DESIGN
THIS SYSTEM IS HIGHLY USER-ORIENTED. AS A LARGE DEGREE OF FLEXIBILITY HAS BEEN INCORPORATED INTO THE UNDERLYING DESIGN, THE USER MAY REQUEST REPORTS TAILORED TO HIS SPECIFIC REQUIREMENTS BY SELECTING AVAILABLE REPORT OPTIONS.

TABLE OF RRTMIS II REPORTS
(REPORTS FOR ARE IN PARENTHESES)

(1) SUBMISSION TIME REPORT	(9) AVERAGE CUSTOMER WAITING TIME REPORT
(2) REFERRAL PROCESSING TIME REPORT	(RPTM) (ACMR) OR (ACMM)
(3) NAVY STOCK POINT PROCESSING TIME REPORT	(SPPM)
(4) DEFENSE DEPOT PROCESSING TIME REPORT	(DPPM)
(5) TRANSPORTATION HOLD TIME REPORT	(HOLD)
(6A) TRANSPORTATION TIME REPORT -- FOR AREAS	(TRMA OR REDA)
(6B) TRANSPORTATION TIME REPORT -- FOR FLEETS	(TRMB OR REDB)
(6C) TRANSPORTATION TIME REPORT -- FOR CONSIGNEES	(TRMC OR REUC)
(7) TOTAL REQUISITION RESPONSE TIME REPORT	(TRRT)
(8) RECEIPT TAKE UP TIME REPORT	(RTUT)

SPECIAL REQUESTS REQUIRE THAT THE USER THROUGH THESE SPECIFICS

(A) NAME OF DESIRED REPORT (OR TIME SEGMENT UNDER CONSIDERATION)
(B) THE PARTICULAR QUARTER, YEAR, OR MONTH (IN SOME CASES) FOR WHICH DATA IS TO BE DISPLAYED
(C) THE VARIABLES AND DESIRED HIERARCHY, OR ORDER OF CONSIDERATION, OF THE VARIABLES CHOSEN
(D) A LISTING OF THOSE NUMBERS CORRESPONDING TO CATEGORIES DESIRED FOR PRINTING OF EACH VARIABLE

LISTING OF VARIABLES CONSIDERED IN THE RRTMIS II REPORTING SYSTEM (WITH ABBREVIATIONS ARE IN PARENTHESES)

(#1) ISSUING STOCK POINT	(ISSUE SIK PT)
(#2) COGNIZANCE GRUPEING	(COG GROUP)
(#3) TRANSPORTATION MODE	(TRANS MODE)
(#4) ISSUE PRIORITY GROUP	(IPG)
(#5) TYPE OF ISSUE	(TYPE ISSUE)
(#6A) AREA	(AREA)
(#6B) FLEET	(FLEET)
(#6C) CONSIGNEE	(CONSIGNEE)
(#7) HOLD CODE	(HOLD CODE)
(#8) REFERRING ACTIVITY	(REFRNG ACTV)
(#9) POINT OF ENTRY	(PT OF ENTRY)
(#10) TIME SEGMENT	(LEG)

INPUT FILE RRIMIS
PERIODICITY: QUARTERLY
TIME PERIOD: OCT 1984 DEC 1984

* REPORT TITLE: *
* TRANSPORTATION TIME REPORT -- FOR FLEETS *

PAGE 2
INTRODUCTION
DATE 09/11/85

TIME PERIOD COVERED IN THIS REPORT: FROM THE DATE THE MATERIAL IS SHIPPED UNTIL THE DATE IT IS RECEIVED
(SEE DOUBLE DASHED SEGMENT BELOW)

REQUISITION RESPONSE
TIME SEGMENTS (OVERALL)

DOCUMENT DATE	DATE RECEIVED AT PT OF ENTRY	DATE RECEIVED AT ISSUE STK PT	SUPPLY ACTION DATE	DATE OFFERED FOR SHIPMENT	DATE MATERIAL IS SHIPPED	DATE MATERIAL IS RECEIVED
------------------	---------------------------------------	--	--------------------------	------------------------------------	-----------------------------------	------------------------------------

THE FOLLOWING RECORDS WERE EXCLUDED FROM ANALYSIS: REQUISITIONS WITH TRANSPORTATION TIMES EXCEEDING 99 DAYS

THE FOLLOWING VARIABLES ARE USUALLY CONSIDERED (IN THIS HIERARCHICAL ORDER) FOR THE PRINTING OF THIS REPORT:

(#1) ISSUING STOCK POINT
(#6B) FLEET
(#3) TRANSPORTATION MODE
(#4) ISSUE PRIORITY GROUP

THE FOLLOWING VARIABLES WERE EXPLICITLY CHOSEN (IN THIS HIERARCHICAL ORDER) FOR THE PRINTING OF THIS REPORT:

(#6B) FLEET
(#6C) CONSIGNEE
(#1) ISSUING STOCK POINT
(#3) TRANSPORTATION MODE
(#4) ISSUE PRIORITY GROUP

CHOSEN
SUPPRESSION
LEVELS

NOTE CONCERNING SUPPRESSION LEVELS:

THE SUPPRESSION LEVELS USED PROVIDE A MEANS OF CONTROLLING REPORT VOLUME AND SIGNIFICANCE. NOTICE THAT THE SUPPRESSION LEVELS GIVEN ABOVE ARE IN DESCENDING ORDER. SINCE THEY CORRESPOND TO THE PRINT HIERARCHY, SUPPOSE THE NUMBER OF REQUISITIONS FOR IPG= III CASREP WAS NOT AT LEAST 10 FOR A PARTICULAR CATEGORY, SAY TRANS MODE= LOCAL DELIVERY. THIS PRINTING WOULD THEN BE SUPPRESSED; HOWEVER, THE DATA DISPLAYED FOR THE TRANS MODE= LOCAL DELIVERY WOULD INCLUDE IPG= III CASREP IN THE COMPUTED STATISTICS.

CROSS REFERENCE INDEX: THE FINAL PAGES OF THE PRINTED REPORT PROVIDE AN EASY TO USE CROSS-REFERENCE INDEX FOR THE PURPOSE OF QUICKLY LOCATING SPECIFIC DATA. SUPPRESSED PAGES WILL BE ABSENT FROM THIS LISTING.

PRINT CATEGORIES: THE FOLLOWING PAGES PROVIDE A COMPLETE LISTING OF ALL PRINT CATEGORIES FOR EACH OF THE TWELVE BASIC VARIABLES CONSIDERED IN THE RRIMIS II REPORTING SYSTEM. THOSE CATEGORIES WITH A DOUBLE ASTERISK (**) HAVE SPECIFICALLY BEEN REQUESTED BY THE USER. IN THE ABSENCE OF A SPECIFIC USER-REQUESTED LIST, A SET OF DEFAULT PRINT CATEGORIES WILL BE USED. THESE WILL BE NOTED ON THE LISTING BY A SINGLE ASTERISK (*).

NOTE: ADD TO THE TWENTY VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED
NOTE: SPECIAL REQUESTED PRINT CATEGORY

CATEGORY NUMBER	STRATIFYING VARIABLE	CATEGORY NUMBER	STRATIFYING VARIABLE
1	ALL STR PT	49	CBC PT MEHENE
2	ALL NOD	50	CBC GULFPORT
3	ALL MEAS	51	FMIC PATUXENT
4	ALL THOUS A 1	52	FMIC PT MUGU
5	OTHER NAVY	53	DD MECHNSBURG
6	ALL NAVY	54	DD TRACY
7	DEFENSE OFFICES	55	DD COLUMBUS
8	OTHER SERVICES	56	DD DAYTON
9	ALL ALL COMB	57	DD MEMPHIS
10	NAVY PAC COMB	58	DD PHILADELPHIA
11	NAVY PAC COMB	59	DD OGDEN
12	DD EAST	60	DD RICHMOND
13	DD WEST		
14	NAVY DD EAST		
15	NAVY DD WEST		
16	ALL JORDAN 111		
17	ALL JORDAN 112		
18	ALL JORDAN 113		
19	ALL JORDAN 114		
20	ALL JORDAN 115		
21	ALL JORDAN 116		
22	ALL JORDAN 117		
23	ALL JORDAN 118		
24	ALL JORDAN 119		
25	ALL JORDAN 120		
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41	ALL JORDAN 136		
42	ALL JORDAN 137		
43	ALL JORDAN 138		
44	ALL JORDAN 139		
45	ALL JORDAN 140		
46	ALL JORDAN 141		
47	ALL JORDAN 142		
48	ALL JORDAN 143		

NOTE: ALL OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
NOTE: ** Specially Requested Print Category.

CATEGORY NUMBER	STRATIFYING VARIABLE #1 COG GROUP	CATEGORY NUMBER	STRATIFYING VARIABLE #2 COG GROUP
1	ALL	46	BN
2	ALL SPCC	47	BR
3	ALL ASD	48	7E
4	SPEC NSA (CONSUM)	49	7G
5	SPEC APA (DUAL)	50	7H
6	ASD NSA (CONSUM)	51	72
7	ASD APA (DUAL)	52	7R
8	SPCC DLR	53	9A OR AZ
9	ASD DLR	54	9C OR AX
10	TA	55	9D OR CY
11	TH	56	9E OR AJ
12	TH	57	9F OR TG
13	2A	58	9G OR CX
14	4C	59	9H OR BF
15	2E	60	9I OR SU
16	2G	61	9J OR SX
17	2H	62	9K OR TA
18	2N	63	9L OR KX
19	21	64	9M OR CZ
20	2U	65	9N OR TX
21	4A	66	9O OR PA
22	4E	67	9Q OR CG
23	4S	68	9S OR BD
24	4H	69	9V OR SE
25	4M	70	9W OR CT
26	4O	71	9X OR KY
27	4U	72	9Y OR CL
28	4A	73	9Z OR KZ
29	4E	74	OTHER 9 COG
30	4S	75	5L OR CM
31	4H	76	5M OR CU
32	4M	77	5N OR SJ
33	4O	78	5P OR SG
34	4U	79	OTHER 5 COG
35	4A	80	OTHER ALPHA/ALPHA
36	4E	81	ALL 5 COG SR
37	4S	82	ALL 9 COG
38	4H	83	RETAIN DIA MAIN
39	4M	84	R11 OTHER DIA/GSA
40	4O	85	R11 OTHER SERVICE
41	4U		
42	4A		
43	4E		
44	4S		
45	4H		

NOTE: ** - FOR THESE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED
FROM - - DEFAULT PRINT CATEGORY ** - SPECIALLY REQUESTED PRINT CATEGORY

CAT 304 SPECIALTY VARIABLE

FROM 1 TRANS MODE

- 1 ** ALL MODES
- 2 ** AIP
- 3 ** AIP LESS MATL
- 4 ** AIR (LCMD)
- 5 ** AIR (GBL)
- 6 ** AIP (MALL)
- 7 ** AIR (LEAD)
- 8 ** SURFACE
- 9 ** OCEAN BREAK PICK
- 10 ** LAND LESS MATL
- 11 ** LOCAL DELIVERY
- 12 ** AIR (TRUCK, H)
- 13 ** P (TRUCK, H)
- 14 ** C (VAN)
- 15 ** D (TRUCK, H)
- 16 ** F (HOUSEHOLD)
- 17 ** F (MAG)
- 18 ** G (CONTACT, H)
- 19 ** H (AIR, H)
- 20 ** I (GOVT, H)
- 21 ** J (COMM, H)
- 22 ** K (RAIL, H)
- 23 ** L (RAIL, H)
- 24 ** M (RAIL, H)
- 25 ** N (RAIL, H)
- 26 ** O (RAIL, H)
- 27 ** P (RAIL, H)
- 28 ** Q (RAIL, H)
- 29 ** R (RAIL, H)
- 30 ** S (RAIL, H)
- 31 ** T (RAIL, H)
- 32 ** U (RAIL, H)
- 33 ** V (RAIL, H)
- 34 ** W (RAIL, H)
- 35 ** X (RAIL, H)
- 36 ** Y (RAIL, H)
- 37 ** Z (RAIL, H)
- 38 ** AA (RAIL, H)
- 39 ** AB (RAIL, H)
- 40 ** AC (RAIL, H)
- 41 ** AD (RAIL, H)
- 42 ** AE (RAIL, H)
- 43 ** AF (RAIL, H)
- 44 ** AG (RAIL, H)
- 45 ** AH (RAIL, H)
- 46 ** AI (RAIL, H)
- 47 ** AJ (RAIL, H)
- 48 ** AK (RAIL, H)
- 49 ** AL (RAIL, H)
- 50 ** AM (RAIL, H)

NOTE: ALL OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
DEFAULT PRINT CATEGORY: ** = SPECIALLY REQUESTED PRINT CATEGORY.

CATEGORY NUMBER	SEPARATING VARIABLE
1 **	ALL IPGS
2 **	I
3 **	II
4 **	III
5 **	CASREP
6 **	IPGS
7 **	NON CASREP/PMCS
8 **	I CASREP
9 **	II CASREP
10 **	III CASREP
11	IPGS
12	II PMCS
13	III PMCS
14	I NON CAS/PMCS
15	II NON CAS/PMCS
16	III NON CAS/PMCS
17	I II

NOTE: ALL OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED
NOTE: ** - DEFAULT PRINT CATEGORY. ** - SPECIALLY REQUESTED PRINT CATEGORY.

CATEGORY NUMBER	CATEGORIZING VARIABLE #5 TYPE ISSUE	CATEGORY NUMBER	STRATIFYING VARIABLE #5 TYPE ISSUE
1	ALL IMMED ISSUES	46	REF 11 PN-PN
2	ALL BACKORDERS		
3	SPR PT IMM ISSUE		
4	SPR PT BACKORDER		
5	DOE IMMED ISSUES		
6	ALL DEFERRALS		
7	REF IMMED ISSUES		
8	ALL BACKORDERS		
9	PT 11 SPR PT DO		
10	REF 11 NOT AP DO		
11	DOE 11 SPR PT DO		
12	ALL NSN		
13	ALL 11 NSN		
14	ALL 80 NSN		
15	SPR PT 11 N-H		
16	SPR PT 80 N-H		
17	DOE 11 NSN		
18	ALL REF NSN		
19	REF 11 NSN		
20	REF 80 NSN		
21	REF 11 SP PT N-H		
22	REF 11 SP 11 N-H		
23	DOE 11 SP 80 N-H		
24	ALL PT NO		
25	ALL 11 PT DO		
26	ALL 80 PT DO		
27	SP 11 PT DO		
28	SP 80 PT DO		
29	PT 11 PT DO		
30	ALL REF PT DO		
31	REF 11 PT DO		
32	REF 80 PT DO		
33	REF 11 SP 80 PH		
34	REF 11 SP 11 PH		
35	DOE 11 SP 80 PH		
36	ALL PN NSN		
37	ALL 11 PH N-H		
38	ALL 80 PH N-H		
39	DOE 11 PH N-H		
40	REF 11 PH N-H		
41	ALL PH PH		
42	ALL 11 PH PH		
43	ALL 80 PH PH		
44	DOE 11 PH PH		
45	REF 11 PH PH		

NOTE: ALL OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
NOTE: DEFAULT PRINT CATEGORY: ** * SPECIALLY REQUESTED PRINT CATEGORY:

CATEGORY NUMBER	STRATIFYING VARIABLE --SA AREA
1	ALL
2	ATLANTIC
3	PACIFIC
4	CORPUS ALL
5	CORPUS EAST GULF
6	CORPUS WEST
7	O/S ALL AREAS
8	O/S UMMI'S AREA 1
9	O/S UMMI'S AREA 2
10	O/S UMMI'S AREA 3
11	CORPUS EAST
12	CORPUS GULF
13	CORPUS CALIFORNIA
14	CORPUS NORTHWEST
15	NORTHWEST ATLANTIC
16	CARIBBEAN
17	SOUTH ATLANTIC
18	EUROPE/IN AFRICA
19	MEDITERRANEAN
20	RED SEA/PERSTAD GULF
21	EAST PACIFIC/NO AMERIC
22	EAST PACIFIC/NO AMERIC
23	MIDDLE PACIFIC
24	HAWAII
25	WESTERN PACIFIC
26	INDIAN OCEAN
27	JAPAN/KOREA/OKINAWA
28	PHILIPPINES
29	CORIN PACIFIC

NOTE: ADD OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED
TABLE: * DEFAULT PRINT CATEGORY ** * SPECIALLY REQUESTED PRINT CATEGORY

CATEGORY NUMBER	STRATIFYING VARIABLE OF FLEET
1 **	ALL
2	ALL ATLANTIC
3	ALL PACIFIC
4	ATLANTIC FLEET
5	PACIFIC FLEET
6 **	DEPLOYED
7	NONDEPLOYED
8 **	2ND FLEET
9	6TH FLEET
10 **	3RD FLEET
11	7TH FLEET
12	MARINE AIR COMMAND
13	NAVS EAST
14	NAVS WEST
15	5THMS
16	CV 1PH/10A ALL
17	CV 1PH/10A 2ND FLEET
18	CV 1PH/10A 6TH FLEET
19	CV 1PH/10A 3RD FLEET
20	CV 1PH/10A 7TH FLEET
21	ALL ALL
22	AFS 2ND FLEET
23	AFS 6TH FLEET
24	AFS 3RD FLEET
25	AFS 7TH FLEET
26	AD AR ALL
27	AD AR 2ND FLEET
28	AD AR 6TH FLEET
29	AD AR 3RD FLEET
30	AD AR 7TH FLEET
31	AS ASFBM ALL
32	AS ASFBM 2ND FLEET
33	AS ASFBM 6TH FLEET
34	AS ASFBM 3RD FLEET
35	AS ASFBM 7TH FLEET

NOTE: AD OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
* DEFAULT PRINT CATEGORY ** - SPECIALLY REQUESTED PRINT CATEGORY

CATEGORY NUMBER	STRATIFYING VARIABLE #6C CONSIGNEE	CATEGORY NUMBER	STRATIFYING VARIABLE #6C CONSIGNEE	CATEGORY NUMBER	STRATIFYING VARIABLE #6C CONSIGNEE
1	ALL CONSIGNEES	46	AFS 8 SIERRA	91	AS 34 CANORUS
2	GROUP STATIONS	47	AD 18 SIERRA	92	AS 39 EMORY LAND
3	GROUPS CUSTOMERS	48	AD 19 YOSEMITE	93	AS 31 HUNLEY
4	ATLANTIC SHIPS	49	AD 38 PUGET SOUND	94	AS 37 DIXON
5	PACIFIC SHIPS	50	AD 41 YELLOWSTONE	95	AS 19 PROTEUS
6	GROUPS SURFLANT	51	AD 44 SHENANDOAH	96	AS 41 MCKEE
7	GROUPS SURFLAC	52	AD 17 PLEDMONT	97	MAG 12 IWAKUNI
8	AIRPLANE CUS	53	AR 15 VULCAN	98	MAG 15 IWAKUNI
9	AIRPLANE CUS	54	LHA 5 PELLEU	99	MAG 36 OKINAWA
10	SURFLANT AS	55	LPH 10 TRIPOLI	100	MAG 14 CHERRY PNT
11	SURFLAC AS	56	LPH 11 NEW ORLEANS	101	MAG 26 JAX NC
12	1ST MAW	57	LHA 3 OKINAWA	102	MAG 29 JAX NC
13	2ND MAW	58	LHA 1 TARAWA	103	MAG 31 BEAUFORT
14	3RD MAW	59	LHA 3 BELLEAU WD	104	MAG 32 CHERRY PNT
15	SIPAS	60	AFS 1 MARS	105	MAG 11 SANTA ANA
16	LHA LHA/LPH	61	AFS 3 NIAGRA FALLS	106	MAG 13 SANTA ANA
17	PAC LHA/LPH	62	AFS 4 WHITE PLAIN	107	MAG 16 TUSTIN
18	LHA/AFS	63	AFS 7 SAN JOSE	108	MAG 24 KANEONE BY
19	FAC AFS	64	AD 15 PRAIRIE	109	MAG 39 CMP PNOLIN
20	LHA AD	65	AD 37 SAM GOMPERS	110	SIMA PEARL HARBOR
21	FAC AD	66	AD 42 ACADIAENCE	111	SIMA SAN SIEGO
22	LHA/AR	67	AD 43 CAPE COD	112	SIMA CHARLESTON
23	FAC AR	68	AR 6 AJAX	113	NSC NORFOLK
24	ALL CV/CVN SHIPS	69	AR 7 HECTOR	114	NSC OAKLAND
25	ALL LPH/LHA SHIPS	70	AR 8 JASON	115	NSC SAN DIEGO
26	GROUPS AFS SHIPS	71	CV 59 FORRESTAL	116	NSC PUGET SOUND
27	GROUPS AD SHIPS	72	CV 60 SARATOGA	117	NSC PEARL HARBOR
28	GROUPS AP SHIPS	73	CV 62 INDEPENDENC	118	NSC CHARLESTON
29	MASTHE AIR WINGS	74	CV 66 AMERICA	119	NSC JACKSONVILLE
30	NAVAL SUPPLY CTR'S	75	CV 67 KENNEDY	120	NAS NORFOLK
31	NAVAL AIR STATION	76	CVN 68 NIMITZ	121	NAS PENSACOLA
32	PACFLT SUP OFFICES	77	CVN 69 EISENHOWER	122	NAS JACKSONVILLE
33	MAP CORP AIR STNG	78	CV 43 CORAL SEA	123	NAS KEY WEST
34	NAVAL SHIPYARDS	79	CV 41 MIDWAY	124	NAS CORPUS CHRISTI
35	CORSLR BATTLE CTR'S	80	CV 61 RANGER	125	NAS ALAMEDA
36	MISCELLANEOUS	81	CV 63 KITTY HAWK	126	NAS NORTH ISLAND
37	LHA 2 SAIPAN	82	CV 64 CONSTELLAIN	127	NAS MOFFETT FIELD
38	LHA 4 NASGAM	83	CVN 65 ENTERPRISE	128	NAS BARBERS POINT
39	LPH 9 GUAM	84	CVN 70 CARL VINSON	129	NAS MIDWAY ISLAND
40	LPH 2 TWO JEMA	85	AS 11 FULTON	130	NAS MEMPHIS
41	LPH 7 GUADALCANAL	86	AS 18 ORION	131	NAS BRUNSWICK
42	LPH 12 INDIAN	87	AS 36 L. Y. SPEAR	132	NAS OCEANA
43	AFS 2 SYLVANIA	88	AS 40 FRANK CABLE	133	NAS CECIL FIELD
44	AFS 5 CONQUER	89	AS 32 HOLLAND	134	NAS MIRAMAR
45	AFS 6 SAN DIEGO	90	AS 33 SIMON LAKE	135	NAS LEMORE

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NOTE: ALL OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
NOTE: * = DEFAULT PRINT CATEGORY, ** = SPECIALLY REQUESTED PRINT CATEGORY.

CATEGORY NUMBER	STRATIFYING VARIABLE * 7 HOLD CODE
1	ALL HOLD CODES
2	MMO GENERATED
3	DIVERSION DELAY
4	UNOBSERVED
5	BLANK
6	A = SHMPT CONSOL
7	B = CARRIER EQUIP
8	C = TRAF RELEASE
9	D = MODE DIVERSTN
10	E = CHAL, NO DIVR
11	F = ENGARGO
12	G = STRIKE, RIOI
13	H = ACT OF GOD
14	J = CUST CAPT'L
15	K = DIV AIR TO SP
16	L = CUS REQ DELAY
17	M = DESTIN DELAY
18	Z = HELD LT 24 HR

NOTE: ADD IN THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
NOTE: * DEFAULT PRINT CATEGORY ** * SPECIALLY REQUESTED PRINT CATEGORY

CATEGORY PRINTED	STRATIFYING VARIABLE # B RFRNG ACTV	CATEGORY NUMBER	STRATIFYING VARIABLE # B RFRNG ACTV
1	ALL RUNS	46	ALL AIR FORCE
2	PROFESSIONALS		
3	ALL RETURNS A 1A		
4	NSC JKSOPVILLE		
5	ALL NAVY		
6	ALL NAVY ICF		
7	ASO		
8	SPC		
9	SPC		
10	ALL NSC		
11	NSC SAN DIEGO		
12	NSC NORFOLK		
13	NSC OAKLAND		
14	NSC PEARL HARBOR		
15	NSC CHARLESTON		
16	NSC PUGET SOUND		
17	ALL NSC		
18	NSC SUBIC BAY		
19	NSC GUAM		
20	NSC KOSUMBA		
21	ALL NAS/RECA		
22	NAS ALAMEDA		
23	NAS N ISLAND		
24	NAS JKSOPVILLE		
25	NAS NORFOLK		
26	NAS PENSACOLA		
27	ALL TRDUS A 1A		
28	NAS NORFOLK		
29	OTHER NAVY		
30	FMCO RECH FV		
31	FMCO PATU-CHI		
32	AMPHANT BATTALION		
33	COMNAVFORP		
34	NAVIG CIRCSCOM		
35	AV NAT OFFICE		
36	DEFENSE DEPT		
37	DESC		
38	DESC		
39	DESC		
40	DISC		
41	DISC MEDICAL		
42	DISC CLOTHING		
43	DISC OTHER		
44	OTHER SERVICE		
45	ALL ARMY		

NOTE: 30 OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
NOTE: * DEFAULT PRINT CATEGORY: ** * SPECIALLY REQUESTED PRINT CATEGORY.

CATEGORY NUMBER	STRATIFYING VARIABLE # 9 PT OF ENTRY	CATEGORY NUMBER	STRATIFYING VARIABLE # 9 PT OF ENTRY
1	ALL PT OF ENTRY	49	DPSC (MEDICAL)
5	ALL NAVY	50	DPSC (CLOTHING)
6	ALL NAVY TGP	51	DLA OTHER
7	ASO	52	OTHER SERVICE
8	SPCC	53	ALL ARMY
9	NPTC	54	ALL AIR FORCE
10	ALL NSC	55	NAS MOFF FLD
11	NSC SAN DIEGO	56	NATC PAX RVR
12	NSC NORFOLK	57	NAS MIRAMAR
13	NSC OAKLAND	58	CBC PT HIJENEME
14	NSC PEARL HARB	59	CBC GULFPORT
15	NSC CHARLESTON	60	MCAS YUMA
16	NSC PUGET SOUND	61	PMTC PT MUGU
17	ALL NSD	62	NSC JACKSONVILL
18	NSD SUBIC BAY		
19	NSD GUAM		
20	NSD YOKOSUKA		
21	ALL NAS/MCAS		
22	NAS ALAMEDA		
23	NAS N ISLAND		
24	NAS JACKSONVILLE		
25	MCAS EL TORO		
26	NAS NORFOLK		
27	NAS PENSACOLA		
28	NAS BARBERS PT		
29	NAS CRPS CRSTI		
30	NAS WHIDREY IS		
31	NAS OLEANA		
32	NAS CECIL FIELD		
33	NAS LEMORE		
34	MCAS CHERRY PT		
35	ALL THOUSAND IS		
36	NSY PORTSMOUTH		
37	NSY PHILADELPHIA		
38	NSY NORFOLK		
39	OTHER NAVY		
40	NSU NEW LONDON		
41	MAR BRG KATI BAY		
42	AMULANT NORFOLK		
43	COMNAVSTAIPAL		
44	ALL DIA		
45	DISC		
46	DISC		
47	DISC		
48	DISC		

NOTE: ANY OF THE TWELVE VARIABLES AND CORRESPONDING CATEGORIES MAY BE SELECTED.
* - DEFAULT PRINT CATEGORY ** - SPECIALLY REQUESTED PRINT CATEGORY

CATEGORY PRINTED	CHARACTERIZING VARIABLE * TO LEG
1	SUBMISSION TIME
2	DATE RECD DUE TO DATE RECD ISP
3	DATE RECD DUE TO DATE RECD DSC
4	DATE RECD DUE TO MRO TRANS DATE
5	DATE RECD DUE TO MRO TRANS DATE
6	MRO TRANS DATE TO DATE RECD ISP
7	ISP TO DSHIP (ALL RONS)
8	ISP TO SUP ACT DATE (ALL RONS)
9	ISP TO DSHIP (ONE W/BANK DUE)
10	ISP TO DOFF (ONE W/DOFF)
11	MRO TO DSHIP
12	MRO TO DOFF (ONE W/DOFF)
13	DOFF TO DSHIP (ONE W/DOFF)
14	TRANSPORTATION TIME (ALL RONS)
15	TOTAL REGULATION RESPONSE TIME
16	TRANSPORTATION TIME (W/DMROB)
17	RECEIPT TAKE-UP TIME (W/DMROB)
18	CUSTOMER WAITING TIME

FLEET ALL CONSIGNEE ALL CONSIGNEES	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN			
	NUMBER OF RONS	AVERAGE OR MEAN VALUE	STANDARD DEVI- ATION	MEDIAN VALUE	PERCENT TILE	RANGE MIN/MAX	UMMIPS	% RONS WITHIN	LAST THIS QTR	SAME QTR TO YR AGO	THIS QTR	LAST THIS QTR	SAME QTR TO YR AGO	THIS QTR
ISSUE SLP PT: ALL SLP PTS														
TRANS MODE: ALL MODES														
TRG: ALL TRGS	302,101	29.3	22.4	23.1	39.6	0/99	N/A	12.5%	8% UP	10% UP	10% UP	8% UP	10% UP	5% UP
TRG: I	28,060	22.4	19.8	16.8	28.2	0/99	N/A	11.5%	8% DN	2% UP	2% UP	8% DN	2% UP	5% DN
TRG: II	161,480	31.8	22.8	26.0	42.0	0/99	N/A	4.9%	14% UP	20% UP	20% UP	14% UP	20% UP	13% UP
TRG: III	107,445	26.7	21.7	19.9	36.9	0/99	N/A	24.3%	4% UP	3% UP	3% UP	4% UP	3% UP	2% DN
TRG: CASREP	295	32.5	23.6	23.1	45.7	1/97	N/A	1.7%	17% DN	NO CHG	NO CHG	17% DN	NO CHG	13% DN
TRG: I CASREP	248	32.5	23.4	22.9	46.7	1/97	N/A	1.6%	9% DN	19% UP	19% UP	9% DN	8% DN	8% DN
TRG: II CASREP	47	32.5	24.9	25.0	41.1	2/94	N/A	2.1%	9% DN	N/A	N/A	9% DN	N/A	12% UP
TRANS MODE: AIR														
TRG: ALL TRGS	117,641	30.1	20.4	25.2	38.2	0/99	N/A	2.1%	8% UP	7% UP	7% UP	8% UP	7% UP	6% UP
TRG: I	17,571	24.4	19.6	19.3	29.8	0/99	N/A	4.5%	2% UP	5% UP	5% UP	2% UP	5% UP	NO CHG
TRG: II	82,406	31.0	20.3	26.3	39.0	0/99	N/A	1.7%	12% UP	11% UP	11% UP	12% UP	11% UP	9% UP
TRG: III	14,242	27.8	18.7	24.1	34.1	0/99	N/A	1.9%	3% DN	16% DN	16% DN	3% DN	16% DN	8% DN
TRG: CASREP	240	32.0	23.4	22.2	45.1	1/94	N/A	8%	11% DN	2% UP	2% UP	11% DN	2% UP	6% DN
TRG: I CASREP	202	31.9	22.9	22.0	45.2	1/94	N/A	5%	10% DN	12% UP	12% UP	10% DN	9% DN	9% DN
TRG: II CASREP	38	32.8	26.5	23.8	44.2	2/94	N/A	2.6%	3% UP	N/A	N/A	3% UP	N/A	22% UP
TRANS MODE: SURFACE														
TRG: ALL TRGS	58,198	33.7	24.4	26.7	49.0	0/99	N/A	29.7%	1% UP	13% UP	13% UP	1% UP	3% UP	3% UP
TRG: I	2,753	16.8	16.8	11.2	20.8	0/99	N/A	39.8%	49% DN	1% DN	1% DN	49% DN	1% DN	30% DN
TRG: II	17,363	37.6	26.6	30.1	57.1	0/99	N/A	20.2%	5% UP	25% UP	25% UP	5% UP	8% UP	8% UP
TRG: III	37,760	33.0	23.3	25.5	48.3	0/99	N/A	33.3%	3% UP	13% UP	13% UP	3% UP	5% UP	5% UP
TRG: CASREP	6	20.0	11.7	19.5	24.2	2/38	N/A	33.3%	18% UP	N/A	N/A	18% UP	N/A	18% UP
TRG: I CASREP	5	19.2	12.9	18.0	24.2	2/38	N/A	40.0%	13% UP	N/A	N/A	13% UP	N/A	13% UP
TRG: II CASREP	1	24.0	0	24.0	24.0	24/24	6	0%	N/A	N/A	N/A	N/A	N/A	N/A
TRANS MODE: LOCAL DELIVERY														
TRG: ALL TRGS	118,189	27.0	22.9	19.5	37.7	0/99	N/A	13.5%	11% UP	10% UP	10% UP	11% UP	10% UP	6% UP
TRG: I	6,366	21.6	21.4	14.2	28.6	0/99	N/A	12.2%	7% DN	4% UP	4% UP	7% DN	4% UP	4% DN
TRG: II	57,712	31.6	24.4	24.3	44.4	0/99	N/A	3.6%	19% UP	35% UP	35% UP	19% UP	35% UP	22% UP
TRG: III	52,755	22.5	20.2	15.4	28.8	0/99	N/A	23.9%	3% UP	2% DN	2% DN	3% UP	2% DN	8% DN
TRG: CASREP	49	36.6	24.7	26.1	58.0	2/97	N/A	2.0%	30% DN	2% UP	2% UP	30% DN	2% UP	22% DN
TRG: I CASREP	41	37.5	25.9	25.2	62.0	2/97	N/A	2.4%	4% DN	200% UP	200% UP	4% DN	14% DN	14% DN
TRG: II CASREP	8	32.0	18.5	28.0	38.0	8/69	N/A	N/A	32% DN	N/A	N/A	32% DN	N/A	10% DN
ISSUE SLP PT: NSC/NSD														
TRANS MODE: ALL MODES														
TRG: ALL TRGS	199,026	31.6	22.1	25.3	42.7	0/99	N/A	10.0%	15% UP	8% UP	8% UP	15% UP	8% UP	9% UP
TRG: I	14,177	27.6	21.2	21.6	34.2	0/99	N/A	4.6%	3% UP	2% UP	2% UP	3% UP	2% UP	2% DN
TRG: II	108,366	32.8	22.2	27.1	43.1	0/99	N/A	2.3%	18% UP	13% UP	13% UP	18% UP	13% UP	13% UP
TRG: III	72,021	30.0	21.8	23.4	42.2	0/99	N/A	22.3%	14% UP	8% UP	8% UP	14% UP	8% UP	4% UP
TRG: CASREP	215	34.6	24.0	25.2	50.7	1/97	N/A	1.4%	14% DN	1% UP	1% UP	14% DN	1% UP	10% DN
TRG: I CASREP	186	34.8	24.1	25.1	51.6	1/97	N/A	1.6%	NO CHG	25% UP	25% UP	NO CHG	1% UP	1% UP
TRG: II CASREP	29	33.9	23.9	26.3	42.4	7/94	N/A	N/A	24% DN	N/A	N/A	24% DN	N/A	6% DN
TRANS MODE: AIR														
TRG: ALL TRGS	78,773	31.0	20.1	26.0	39.0	0/99	N/A	1.2%	16% UP	5% UP	5% UP	16% UP	5% UP	9% UP
TRG: I	9,804	28.1	21.1	21.8	34.4	0/99	N/A	2.3%	18% UP	4% UP	4% UP	18% UP	4% UP	7% UP
TRG: II	53,183	31.5	19.9	26.8	39.1	0/99	N/A	9%	21% UP	10% UP	10% UP	21% UP	10% UP	12% UP

INDT LIT: RPTMIS
 PERIODICITY: QUARTERLY
 TIME PERIOD: Q1 1984 DEC 1984

RRIMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS *

FLEET: ALL
 CONSIGNEE: ALL CONSIGNEES

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DESCRIPTIVE STATISTICS									
NUMBER OF ROWS		AVERAGE STANDARD DEVIATION		MEDIAN PERCENTILE		75TH PERCENTILE		RANGE	
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	MIN	MAX
117,826	27.0	22.9	19.5	37.7	0/99	13.6%	11% UP	10% UP	6% UP
6,350	21.6	21.4	14.2	28.6	0/99	12.2%	7% DN	3% UP	4% DN
57,366	31.7	24.4	24.4	44.6	0/99	3.6%	19% UP	36% UP	22% UP
52,754	22.5	20.2	15.4	28.8	0/99	23.9%	3% UP	2% DN	8% DN
49	36.6	24.7	26.1	58.0	2/97	2.0%	30% DN	2% UP	22% DN
41	37.5	25.9	25.2	62.0	2/97	2.4%	4% DN	200% UP	14% DN
6	32.0	18.5	28.0	38.0	8/69	N/A	32% DN	N/A	10% DN

ISSUE: ALL
 TRANS: MORE - LOCAL DELIVERY
 IFG: ALL IFGS
 IFG: I
 IFG: II
 IFG: III
 IFG: CASREP
 IFG: I CASREP
 IFG: II CASREP

1984: JULY - 1990:15
 1980:1 - 1984:3 - QUARTERLY
 1984:3 - 1984:4 - Q1 1984
 1984:4 - 1984:4 - Q4 1984

[illegible]

INPUT FILE - RRIMIS
PERIODICITY - QUARTERLY
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RRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS

FILE - ALL
CONSIGNED - ATLANTIC SHIPS

-----% CHANGE IN MEAN-----
LAST QTR SAME QTR LAST FOUR
TO YR AGO TO QTRS TO
THIS QTR THIS QTR THIS QTR

-----% RUNS
WITHIN
UNMIPS
STANDARD

DESCRIPTIVE STATISTICS
75TH
NUMBER AVERAGE STANDARD
OF OR MEAN DEVI-
RONS VALUE VALUE ATION

ISSUE SIX P.L. - IFC/NSD
TRANS MODE - AIR
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP
TRANS MODE - SURFACE
IFG - ALL IPGS
IFG - I
IFG - II
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP
IFG - III CASREP
TRANS MODE - LOCAL DELIVERY
IFG - ALL IPGS
IFG - I
IFG - II
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP

7.655	23.2	19.0	17.5	29.5	0/99	N/A	3.4%	17% UP	12% DN	16% DN
44	30.3	25.3	19.8	44.2	4/93	N/A	N/A	18% DN	42% DN	14% DN
37	31.2	25.8	20.0	49.2	4/93	N/A	N/A	14% DN	41% DN	11% DN
7	25.7	23.4	19.5	23.6	7/77	3	.0%	N/A	N/A	186% UP
13.388	36.2	23.7	27.5	53.3	0/99	N/A	27.8%	12% UP	35% UP	14% UP
84	35.0	16.5	29.1	51.1	10/87	N/A	39.3%	10% DN	12% DN	33% UP
2.069	37.0	24.5	29.2	52.6	1/99	N/A	12.8%	18% DN	6% UP	2% DN
11.193	36.0	23.6	27.0	53.5	0/99	N/A	30.4%	17% UP	38% UP	16% UP
1	17.0	0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
1	17.0	0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
63.479	32.3	22.9	25.3	44.6	0/99	N/A	9.0%	17% UP	14% UP	12% UP
1.360	34.6	25.0	28.5	45.8	4/99	N/A	.1%	21% DN	10% DN	20% DN
34.183	35.2	23.8	29.5	47.2	0/99	N/A	8%	22% UP	34% UP	25% UP
27.246	35.2	21.2	21.8	40.8	0/99	N/A	18.9%	11% UP	8% UP	1% UP
22	39.1	25.8	24.4	64.2	10/92	N/A	N/A	5% DN	9% UP	16% DN
19	39.5	26.2	24.6	64.7	10/92	N/A	N/A	N/A	216% UP	2% UP
3	36.7	28.4	23.0	62.7	16/69	N/A	N/A	22% DN	N/A	9% DN

ISSUE SIX P.L. - ALL NAVY
TRANS MODE - ALL MODES
IFG - ALL IPGS
IFG - I
IFG - II
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP
IFG - III CASREP
TRANS MODE - AIR
IFG - ALL IPGS
IFG - I
IFG - II
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP
IFG - III CASREP
TRANS MODE - SURFACE
IFG - ALL IPGS
IFG - I
IFG - II
IFG - III
IFG - CASREP
IFG - I CASREP
IFG - II CASREP

127.298	32.6	22.2	26.2	43.6	0/99	N/A	7.8%	14% UP	13% UP	8% UP
5.474	32.8	21.3	26.4	39.7	3/99	N/A	.7%	1% UP	2% UP	11% DN
72.581	34.0	22.3	28.1	44.4	0/99	N/A	1.0%	16% UP	16% UP	12% UP
46.673	29.7	22.0	22.6	41.7	0/99	N/A	19.0%	12% UP	13% UP	3% UP
69	33.6	26.1	22.3	53.0	4/93	N/A	N/A	10% DN	12% DN	13% DN
59	34.4	26.5	22.8	54.7	4/93	N/A	N/A	5% DN	6% UP	3% DN
10	29.0	23.9	20.5	24.7	7/77	N/A	N/A	39% DN	N/A	23% DN
48.802	31.3	20.3	26.2	39.0	0/99	N/A	8%	11% UP	5% UP	1% UP
3.974	31.9	19.7	25.8	37.6	3/99	N/A	N/A	9% UP	7% UP	7% DN
35.271	32.2	20.1	27.1	39.7	0/99	N/A	.4%	12% UP	5% UP	2% UP
7.735	23.5	19.2	17.7	29.9	0/99	N/A	3.3%	17% UP	11% DN	14% DN
46	31.3	26.3	19.8	48.0	4/93	N/A	N/A	15% DN	40% DN	12% DN
39	32.3	26.9	20.0	51.3	4/93	N/A	N/A	11% DN	38% DN	8% DN
7	25.7	23.4	19.5	23.6	7/77	3	.0%	N/A	N/A	186% UP
13.875	36.6	23.8	27.9	54.0	0/99	N/A	27.4%	12% UP	35% UP	14% UP
95	34.1	17.4	28.2	49.7	10/87	N/A	34.7%	13% DN	26% DN	25% DN
2.330	38.5	24.9	30.6	56.1	1/99	N/A	12.7%	13% DN	8% UP	3% UP
11.396	36.1	23.6	27.2	53.6	0/99	N/A	30.3%	17% UP	37% UP	16% UP
1	17.0	0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
1	17.0	0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A

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ARRIVIS II TRANSPORTATION TIME REPORT -- FOR FLEETS

PERIOD: ALL QUARTERS
TIME PERIOD: OCT 1981 DEC 1984

FLEET ALL CONSIGNEE ATLANTIC SHIPS	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN			
	NUMBER OF RONS	AVERAGE VALUE	STANDARD DEVIATION	75TH PERCENTILE	MEDIAN VALUE	RANGE MIN/MAX	UMHIPS STANDARD	% RONS WITHIN	LAST QTR THIS QTR	SAME QTR THIS QTR	TO YR AGO THIS QTR	TO YR AGO THIS QTR	TO YR AGO THIS QTR	TO YR AGO THIS QTR
ISSUE FOR ALL NAVY	64,312	32.6	23.1	25.6	45.1	0/99	N/A	8.9%	17% UP	15% UP	17% UP	15% UP	12% UP	16% UP
ISSUE FOR LOCAL DELIVERY	1,388	35.4	25.5	29.2	47.1	4/99	N/A	1%	17% DN	8% DN	17% DN	8% DN	16% DN	16% DN
ISSUE FOR ALL IPGS	34,749	35.5	23.9	29.7	47.7	0/99	N/A	8%	22% UP	34% UP	22% UP	34% UP	25% UP	25% UP
ISSUE FOR III	27,481	28.7	21.3	22.0	41.2	0/99	N/A	18.7%	11% UP	9% UP	11% UP	9% UP	2% UP	2% UP
ISSUE FOR CASREP	22	39.1	25.8	24.4	64.2	10/92	N/A	N/A	5% DN	9% DN	5% DN	9% DN	16% DN	16% DN
ISSUE FOR CASREP	19	39.5	26.2	24.6	64.7	10/92	N/A	N/A	N/A	216% UP	N/A	216% UP	2% UP	2% UP
ISSUE FOR CASREP	3	36.7	28.4	23.0	62.7	16/69	N/A	N/A	22% DN	N/A	22% DN	N/A	9% DN	9% DN

ISSUE FILE: RRIMIS
 PERIODICITY: QUARTERLY
 TIME PERIOD: OCT 1984 DEC 1984

 RRIMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS --

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FLEET: ALL CONSIGNEE: PACIFIC SHIPS											DESCRIPTIVE STATISTICS											% CHANGE IN MEAN			
ISSUE: STK PT - ALL STK PTS TRANS: MODL - ALL MODLS											NUMBER OF OR MEAN RONS	AVERAGE STANDARD DEVI- TION	MEDIAN VALUE	75TH PERCENT- ILE	RANGE- MIN/MAX	UMMIPS STANDARD	% RONS WITHIN UMMIPS	LAST QTR TO YR AGO	SAME QTR THIS QTR	LAST FOUR QTRS TO THIS QTR					
ISSUE: STK PT - ALL STK PTS TRANS: MODL - ALL MODLS											67,473	35.1	22.2	28.6	47.4	0/99	N/A	7.1%	1% UP	5% DN	7% DN				
IFG - ALL IPGS											7,851	27.9	19.5	22.1	32.4	0/99	N/A	3.2%	30% DN	32% DN	30% DN				
IFG - J1											38,090	35.2	22.4	29.3	46.4	0/99	N/A	3.2%	5% UP	2% DN	5% DN				
IFG - J11											19,406	36.5	22.1	29.3	51.0	0/99	N/A	16.2%	7% UP	3% UP	2% DN				
IFG - CASREP											189	32.0	23.1	23.0	43.1	1/97	N/A	21.1%	26% DN	2% DN	15% DN				
IFG - J CASREP											166	31.2	22.4	22.2	42.1	1/97	N/A	1.8%	4% UP	24% UP	4% DN				
IFG - J1 CASREP											23	37.9	27.8	31.3	61.7	2/94	N/A	4.3%	7% DN	N/A	15% UP				
TRANS: MODL - AIR											33,367	34.0	20.1	27.9	43.2	0/99	N/A	.4%	5% UP	11% DN	3% DN				
IFG - ALL IPGS											5,462	29.3	20.3	22.4	34.5	1/99	N/A	.1%	NO CHG	31% DN	20% DN				
IFG - J1											21,207	34.1	20.5	28.7	42.9	0/99	N/A	.6%	12% UP	2% DN	1% DN				
IFG - J11											5,238	33.9	19.9	28.0	40.0	4/99	N/A	.0%	1% DN	43% DN	1% DN				
IFG - CASREP											162	31.7	22.9	22.2	43.0	1/94	N/A	1.2%	9% DN	3% DN	6% DN				
IFG - J CASREP											142	30.5	21.8	21.3	41.4	1/94	N/A	.7%	8% UP	22% UP	NO CHG				
IFG - J1 CASREP											20	40.3	28.9	33.8	65.5	2/94	N/A	5.0%	2% DN	N/A	18% UP				
TRANS: MODL - SURFACE											12,474	43.4	22.9	38.9	60.1	0/99	N/A	26.5%	9% UP	6% UP	1% UP				
IFG - ALL IPGS											313	30.9	21.4	23.2	37.9	2/97	N/A	44.7%	3% DN	3% DN	4% DN				
IFG - J1											3,554	41.1	21.3	36.5	57.6	0/99	N/A	21.8%	5% DN	5% DN	7% DN				
IFG - J11											8,427	44.7	23.4	42.5	61.9	0/99	N/A	27.1%	20% UP	14% UP	9% UP				
IFG - CASREP											3	20.7	18.0	23.0	36.2	2/38	6	33.3%	22% UP	N/A	22% UP				
IFG - J1 CASREP											3	20.7	18.0	23.0	36.2	2/38	6	33.3%	22% UP	N/A	22% UP				
TRANS: MODL - LOCAL DELIVERY											21,289	31.7	23.6	24.3	44.2	0/99	N/A	6.3%	8% DN	6% DN	13% DN				
IFG - ALL IPGS											2,056	24.0	16.2	20.9	29.4	0/99	N/A	1.0%	48% DN	20% DN	46% DN				
IFG - J1											13,054	35.1	25.0	27.0	51.4	0/99	N/A	2.1%	1% DN	2% UP	5% DN				
IFG - J11											5,695	26.6	20.5	20.5	36.8	0/99	N/A	15.1%	16% DN	12% DN	23% DN				
IFG - CASREP											24	35.0	25.2	28.8	50.5	2/97	N/A	4.2%	36% DN	N/A	25% DN				
IFG - J CASREP											21	36.9	26.2	33.0	58.0	2/97	N/A	4.8%	6% DN	N/A	20% DN				
IFG - J1 CASREP											3	22.0	12.1	26.5	28.0	8/29	3	.0%	N/A	N/A	16% DN				
ISSUE: STK PT - MSC/NSD											52,368	35.5	22.5	29.3	48.5	0/99	N/A	7.4%	9% UP	1% DN	NO CHG				
TRANS: MODL - ALL MODLS											5,396	29.1	21.1	22.3	34.9	0/99	N/A	1.1%	10% DN	30% DN	21% DN				
IFG - ALL IPGS											27,868	35.4	22.7	20.0	47.0	0/99	N/A	2.8%	13% UP	2% UP	2% UP				
IFG - J1											17,078	36.5	22.0	29.3	51.0	0/99	N/A	16.3%	11% UP	6% UP	2% UP				
IFG - J11											135	34.1	23.6	26.6	47.7	1/97	N/A	2.2%	23% DN	8% UP	12% DN				
IFG - CASREP											119	33.9	23.3	25.8	47.7	1/97	N/A	2.5%	14% UP	3% UP	3% UP				
IFG - J CASREP											16	35.7	26.3	28.8	49.2	8/94	N/A	N/A	17% DN	N/A	1% UP				
IFG - J1 CASREP											22,838	35.0	20.9	29.3	44.6	0/99	N/A	3%	15% UP	8% DN	3% UP				
TRANS: MODL - AIR											3,225	32.1	22.9	23.0	41.8	1/99	N/A	.1%	27% DN	9% DN	9% DN				
IFG - ALL IPGS											13,148	34.6	20.2	30.6	43.1	0/99	N/A	.5%	26% UP	3% UP	9% UP				
IFG - J1											5,101	34.0	15.7	28.1	40.0	4/99	N/A	.0%	NO CHG	43% DN	10% DN				
IFG - J11																									

* BRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS *

UNIT FILE BRIMIS
PERIOD 115: 01/1984 DEC 1984
TIME PERIOD 01/1984 DEC 1984

FLEET ALL COUNTRY PACIFIC SHIPS	NUMBER OF RUNS	AVERAGE OR MEAN VALUE	DESCRIPTIVE STATISTICS			RANGE MIN/MAX	UMMIPS STANDARD	% RUNS WITHIN UMMIPS	% CHANGE IN MEAN LAST QTR SAME QTR LAST FOUR TO 1R AGO TO QTRS TO THIS QTR THIS QTR THIS QTR		
			STANDARD DEVI- ATION	MEDIAN VALUE	PERCENT- 5TH						
ISSUE CDR PL DIS/NSD											
TRNS MODE AIR	110	34.2	23.3	26.1	47.4	1/ 94	N/A	9%	3% DN	8% UP	NO CHG
IFG CASREP	97	33.6	22.7	25.3	46.4	1/ 94	N/A	1.0%	23% UP	27% UP	9% UP
IFG I CASREP	13	38.9	28.0	33.0	58.0	10/ 94	N/A	N/A	10% DN	N/A	4% UP
TRNS MODE SURFACE											
IFG ALL IFGS	8,316	46.4	22.4	43.7	62.6	1/ 99	N/A	29.8%	46% UP	21% UP	30% UP
IFG I	97	41.9	26.5	30.1	58.9	2/ 97	N/A	37.1%	89% UP*	32% UP	30% UP
IFG II	1,762	43.6	19.9	39.5	53.0	4/ 99	N/A	23.7%	59% UP*	12% UP	31% UP
IFG III	6,281	47.2	22.9	47.6	63.7	1/ 99	N/A	30.6%	42% UP	23% UP	27% UP
IFG CASREP	1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A
IFG I CASREP	1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A
TRNS MODE LOCAL DELIVERY											
IFG ALL IFGS	21,152	31.7	23.6	24.3	44.3	0/ 99	N/A	6.3%	8% DN	6% DN	12% DN
IFG I	2,056	24.0	16.2	20.9	29.4	0/ 99	N/A	1.0%	48% DN	20% DN	46% DN
IFG II	12,938	35.1	25.1	26.9	51.8	0/ 99	N/A	2.1%	1% DN	2% UP	6% DN
IFG III	5,674	26.6	20.4	20.5	36.8	0/ 99	N/A	15.0%	16% DN	17% DN	23% DN
IFG CASREP	24	35.0	25.2	28.8	50.5	2/ 97	N/A	4.2%	36% DN	N/A	25% DN
IFG I CASREP	21	36.9	26.2	33.0	58.0	2/ 97	N/A	4.8%	6% DN	N/A	20% DN
IFG II CASREP	3	22.0	12.1	26.5	28.0	8/ 29	3	.0%	N/A	N/A	16% DN
TRNS MODE ALL NAVY											
IFG ALL IFGS	54,277	36.1	22.8	29.7	49.8	0/ 99	N/A	7.1%	11% UP	NO CHG	2% UP
IFG I	5,556	29.3	21.2	22.4	35.2	0/ 99	N/A	1.1%	9% DN	30% DN	20% DN
IFG II	29,389	36.5	23.2	30.9	49.5	0/ 99	N/A	2.7%	17% UP	5% UP	5% UP
IFG III	17,206	36.5	22.0	29.3	51.1	0/ 99	N/A	16.2%	11% UP	6% UP	2% UP
IFG CASREP	136	34.4	23.7	26.9	48.5	1/ 97	N/A	2.2%	22% DN	9% UP	11% UP
IFG I CASREP	119	33.9	23.3	25.8	47.7	1/ 97	N/A	2.5%	14% UP	28% UP	3% UP
IFG II CASREP	17	37.8	26.8	29.7	58.0	8/ 94	N/A	N/A	13% DN	N/A	7% UP
TRNS MODE AIR											
IFG ALL IFGS	24,333	36.1	20.7	29.9	46.7	0/ 99	N/A	.3%	18% UP	6% DN	6% UP
IFG I	3,372	32.2	23.0	23.1	42.2	1/ 99	N/A	.1%	24% UP	26% DN	9% DN
IFG II	14,362	36.4	21.4	31.5	46.4	0/ 99	N/A	5%	32% UP	8% UP	13% UP
IFG III	5,139	34.1	15.8	28.1	40.2	4/ 99	N/A	.0%	1% UP	43% DN	10% DN
IFG CASREP	111	34.5	23.4	26.4	48.3	1/ 94	N/A	.9%	2% DN	9% UP	1% UP
IFG I CASREP	97	33.6	22.7	25.3	46.4	1/ 94	N/A	1.0%	23% UP	27% UP	10% UP
IFG II CASREP	14	41.1	28.1	35.5	63.0	10/ 94	N/A	N/A	5% DN	N/A	10% UP
TRNS MODE SURFACE											
IFG ALL IFGS	8,575	46.6	22.6	43.9	63.2	0/ 99	N/A	29.3%	47% UP	22% UP	30% UP
IFG I	108	41.4	26.7	29.7	58.0	2/ 97	N/A	34.3%	86% UP*	30% UP	28% UP
IFG II	1,943	44.9	21.0	40.0	58.9	0/ 99	N/A	22.8%	63% UP*	15% UP	34% UP
IFG III	6,344	47.2	22.9	47.6	63.8	1/ 99	N/A	30.4%	42% UP	23% UP	27% UP
IFG CASREP	1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A
IFG I CASREP	1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A
TRNS MODE LOCAL DELIVERY											
IFG ALL IFGS	21,204	31.7	23.6	24.3	44.3	0/ 99	N/A	6.3%	8% DN	6% DN	13% DN

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

INPUT FILE: PRIMIS
 PERIODICITY: QUARTERLY
 TIME PERIOD: OCT 1984 DEC 1994

FLEET: ALL
 COMPOSITION: PACIFIC SHIPS

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 DATE 09/11/85

 * RPTMIS II: TRANSPORTATION TIME REPORT * FOR FLEETS *

DESCRIPTIVE STATISTICS									
NUMBER AVERAGE STANDARD		OF OR MEAN DEVI		MEDIAN PERCENT		75TH		RANGE	
RONS	VALUE	VALUE	ATTN	VALUE	VALUE	TILE	MIN/MAX	STANDARD	UMMIPS
2,056	24.0	16.2	20.9	29.4	0/99	N/A	1.0%	48% DN	20% DN
12,970	35.1	25.1	27.0	51.7	0/99	N/A	2.1%	1% DN	2% UP
5,694	26.6	20.5	20.5	36.8	0/99	N/A	15.1%	16% DN	12% DN
24	35.0	25.2	28.8	50.5	2/97	N/A	4.2%	36% DN	N/A
21	36.9	26.2	33.0	58.0	2/97	N/A	4.8%	6% DN	N/A
3	22.0	12.1	26.5	28.0	8/29	3	0%	N/A	N/A

 * RPTMIS II: TRANSPORTATION TIME REPORT * FOR FLEETS *

% CHANGE IN MEAN									
LAST QTR		SAME QTR		LAST FOUR		TO YR AGO		QTRS TO	
THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR
48% DN	20% DN	46% DN	2% UP	6% DN	23% DN	25% DN	20% DN	16% DN	16% DN
1% DN	12% DN	6% DN	N/A	25% DN	20% DN	16% DN	N/A	16% DN	16% DN
15.1%	12% DN	6% DN	N/A	25% DN	20% DN	16% DN	N/A	16% DN	16% DN
4.2%	N/A	6% DN	N/A	20% DN	16% DN	16% DN	N/A	16% DN	16% DN
4.8%	N/A	N/A	N/A	20% DN	16% DN	16% DN	N/A	16% DN	16% DN
0%	N/A	N/A	N/A	20% DN	16% DN	16% DN	N/A	16% DN	16% DN

 * RPTMIS II: TRANSPORTATION TIME REPORT * FOR FLEETS *

FLEET: ALL
 COMPOSITION: PACIFIC SHIPS

INPUT FILE: PRIMIS
 PERIODICITY: QUARTERLY
 TIME PERIOD: OCT 1984 DEC 1994

FLEET: ALL
 COMPOSITION: PACIFIC SHIPS

PAGE 24
 CODE (1, 5,)
 DATE 09/11/85

 * RPTMIS II: TRANSPORTATION TIME REPORT * FOR FLEETS *

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

UNIT CODES
PRIME II QUARTERLY
TIME PERIOD 03/1985 TO 06/1985

UNIT CODES PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	NUMBER OF RONS	AVERAGE VALUE	STANDARD DEVIATION	DESCRIPTIVE STATISTICS			RANGE MIN/MAX	PERCENT RANGE	75TH PERCENTILE	UMMIPS	PERCENT WITHIN UMMIPS	% CHANGE IN MEAN				
				MEAN	VALUE	MIN						LAST QTR	SAME QTR	LAST FOUR	OTHERS TO	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	62,973	35.8	20.9	28.5	46.9	0/99	N/A	9.3%	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	7,085	30.7	19.7	24.0	36.6	2/99	N/A	2.8%	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	31,527	32.2	19.4	26.6	38.0	0/99	N/A	2.7%	1% UP	1% UP	1% UP	1% UP	1% UP	1% UP	1% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	21,823	41.2	22.0	33.7	58.1	0/99	N/A	21.2%	32% UP	32% UP	32% UP	32% UP	32% UP	32% UP	32% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	115	30.9	21.8	22.7	44.9	2/94	N/A	1.7%	16% DN	16% DN	16% DN	16% DN	16% DN	16% DN	16% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	109	31.1	21.2	23.0	45.3	2/93	N/A	1.9%	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	6	27.7	33.9	15.5	33.0	2/94	N/A	16.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	44,178	32.4	18.6	26.7	38.6	0/99	N/A	1%	7% UP	7% UP	7% UP	7% UP	7% UP	7% UP	7% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	6,703	30.5	19.5	23.9	36.3	2/99	N/A	0%	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	27,341	31.2	18.3	26.2	36.1	0/99	N/A	2%	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	7,950	32.9	16.1	27.3	38.2	3/99	N/A	0%	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	13% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	106	31.1	22.1	22.5	45.1	2/94	N/A	9%	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	100	31.3	21.4	22.8	45.5	5/93	N/A	N/A	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	15% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	6	27.7	33.9	15.5	33.0	2/94	N/A	16.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	14,769	45.6	23.3	42.5	63.9	0/99	N/A	34.2%	20% UP	20% UP	20% UP	20% UP	20% UP	20% UP	20% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	293	33.5	19.4	25.4	45.7	2/97	N/A	67.2%	38% UP	38% UP	38% UP	38% UP	38% UP	38% UP	38% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	2,641	41.0	23.9	32.6	57.5	1/99	N/A	28.9%	3% DN	3% DN	3% DN	3% DN	3% DN	3% DN	3% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	11,663	46.9	23.0	45.4	64.7	0/99	N/A	34.2%	29% UP	29% UP	29% UP	29% UP	29% UP	29% UP	29% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	2	9.5	10.6	10.5	17.0	2/17	6	50.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	2	9.5	10.6	10.5	17.0	2/17	6	50.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	3,931	37.2	24.8	30.4	50.3	0/99	N/A	18.7%	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	19% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	86	37.0	30.3	20.3	49.9	6/99	N/A	N/A	39% UP	39% UP	39% UP	39% UP	39% UP	39% UP	39% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	1,502	33.1	24.4	20.7	47.0	0/99	N/A	1.1%	8% DN	8% DN	8% DN	8% DN	8% DN	8% DN	8% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	2,161	40.6	25.0	34.8	60.5	0/99	N/A	28.3%	60% UP*	60% UP*	60% UP*	60% UP*	60% UP*	60% UP*	60% UP*	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	7	33.9	17.9	24.9	46.7	22/69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	7	33.9	17.9	24.9	46.7	22/69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	52,787	36.2	20.9	28.7	47.7	0/99	N/A	9.5%	18% UP	18% UP	18% UP	18% UP	18% UP	18% UP	18% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	5,231	31.7	20.6	24.4	38.2	2/99	N/A	1.3%	26% UP	26% UP	26% UP	26% UP	26% UP	26% UP	26% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	25,108	32.5	19.4	26.9	38.4	0/99	N/A	2.0%	9% UP	9% UP	9% UP	9% UP	9% UP	9% UP	9% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	20,128	40.4	21.7	32.2	56.8	0/99	N/A	21.0%	33% UP	33% UP	33% UP	33% UP	33% UP	33% UP	33% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	91	32.3	22.6	23.3	48.7	2/94	N/A	1.1%	10% DN	10% DN	10% DN	10% DN	10% DN	10% DN	10% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	88	32.0	21.8	23.5	48.5	2/93	N/A	1.1%	10% DN	10% DN	10% DN	10% DN	10% DN	10% DN	10% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	3	41.7	45.3	16.0	84.0	15/94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	36,360	32.9	18.6	27.1	39.4	0/99	N/A	1%	12% UP	12% UP	12% UP	12% UP	12% UP	12% UP	12% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	5,009	31.3	20.3	24.3	37.7	2/99	N/A	0%	25% UP	25% UP	25% UP	25% UP	25% UP	25% UP	25% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	21,609	31.6	18.3	26.6	36.5	0/99	N/A	2%	10% UP	10% UP	10% UP	10% UP	10% UP	10% UP	10% UP	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	7,762	32.8	16.0	27.2	38.0	3/99	N/A	N/A	13% DN	13% DN	13% DN	13% DN	13% DN	13% DN	13% DN	
PRIME II QUARTERLY TIME PERIOD 03/1985 TO 06/1985	82	32.8	23.0	21.2	49.9	5/94	N/A	N/A	8% DN	8% DN	8% DN	8% DN	8% DN	8% DN	8% DN	

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

* BRIMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS *

PERIOD: 1111 1111
PERIOD: 1111 1111
TIME PERIOD: 01 1981 DEC 1984

ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN									
				NUMBER OF RONS	AVERAGE VALUE	STANDARD DEVIATION	PERCENT	RANGE	MIN	MAX	STANDARD	UMMIPS	WITHIN										
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	79	32.4	22.2	23.5	49.6	5/ 93					9% DN	2% DN	3% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	3	41.7	45.3	16.0	84.0	15/ 94					N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	12,485	45.4	23.2	42.1	63.5	0/ 99					33.8% UP	20% UP	28% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	133	40.5	20.5	30.9	53.2	2/ 97					80% UP	29% UP	26% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	1,998	41.5	23.8	33.2	57.8	1/ 99					22.7% UP	8% UP	20% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	10,192	46.1	23.0	44.3	64.0	0/ 99					35.4% UP	20% UP	28% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2	9.5	10.6	10.5	17.0	2/ 17				6	50.0% N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2	9.5	10.6	10.5	17.0	2/ 17				6	50.0% N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	3,920	37.2	24.9	30.5	50.3	0/ 99					18.6% UP	9% DN	27% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	86	37.0	30.3	20.3	49.9	6/ 99					39% UP	2% UP	31% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	1,497	33.1	24.4	20.7	47.1	0/ 99					1.1% N/A	35% DN	14% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2,159	40.6	25.0	34.8	60.5	0/ 99					28.3% UP	24% UP	37% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	7	33.9	17.9	24.9	46.7	22/ 69					N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	7	33.9	17.9	24.9	46.7	22/ 69					N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	53,765	36.2	21.0	28.8	47.8	0/ 99					9.4% UP	1% UP	12% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	5,422	31.9	20.8	24.5	38.7	2/ 99					1.2% UP	12% UP	3% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	25,574	32.5	19.4	26.8	38.4	0/ 99					2.1% UP	8% DN	2% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	20,231	40.5	21.7	32.3	56.9	0/ 99					21.0% UP	33% UP	22% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	92	32.2	22.5	23.2	48.5	2/ 94					1.1% UP	10% DN	6% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	89	31.8	21.8	23.3	48.2	2/ 93					1.1% UP	3% DN	5% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	3	41.7	45.3	16.0	84.0	15/ 94					N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	37,202	32.9	18.7	27.1	39.6	0/ 99					1% UP	3% DN	4% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	5,197	31.6	20.6	24.3	38.2	2/ 99					0% UP	13% DN	4% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	22,023	31.6	18.3	26.5	36.5	0/ 99					0% UP	10% UP	NO CHG							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	7,798	32.9	16.0	27.3	38.1	3/ 99					0% UP	31% DN	8% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	83	32.6	22.9	23.0	49.6	5/ 94					N/A	9% DN	4% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	80	32.2	22.1	23.2	49.2	5/ 93					N/A	10% DN	4% DN							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	3	41.7	45.3	16.0	84.0	15/ 94					N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	12,611	45.4	23.2	42.1	63.5	0/ 99					33.8% UP	20% UP	28% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	136	41.0	21.2	31.3	53.8	2/ 97					47.8% UP	30% UP	28% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2,046	41.4	24.0	33.0	58.0	1/ 99					22.9% UP	11% UP	19% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	10,257	46.2	23.0	44.3	64.1	0/ 99					35.4% UP	20% UP	28% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2	9.5	10.6	10.5	17.0	2/ 17				6	50.0% N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	2	9.5	10.6	10.5	17.0	2/ 17				6	50.0% N/A	N/A	N/A							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	3,929	37.2	24.8	30.4	50.3	0/ 99					18.7% UP	9% DN	27% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	86	37.0	30.3	20.3	49.9	6/ 99					39% UP	2% UP	31% UP							
ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	ISSUE FOR PT: ALL NAVY	TRANS MODE: AIR	1,500	33.1	24.4	20.7	47.0	0/ 99					1.1% UP	35% DN	14% UP							

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

PERIOD 11 - ADMIRAL
PERIOD 11 - ADMIRAL
TIME PERIOD 01 1981 0101 1004

PERIOD 11 - ADMIRAL
PERIOD 11 - ADMIRAL
TIME PERIOD 01 1981 0101 1004

FLEET DELETED									
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DESCRIPTIVE STATISTICS									
75TH									
NUMBER AVERAGE STANDARD									
OF OR MEAN DEVI									
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INITIAL TIME PERIOD: 01-1984
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RRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS

ISSUE: 01-1984
 PERIOD: 01-1984
 TIME PERIOD: 01-1984

ISSUE: 01-1984
 PERIOD: 01-1984
 TIME PERIOD: 01-1984

RRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS

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 PERIOD: 01-1984
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 PERIOD: 01-1984
 TIME PERIOD: 01-1984

DESCRIPTIVE STATISTICS									
75TH									
NUMBER	AVERAGE	STANDARD	DEVI.	ATTN	VALUE	MEDIAN	PERCEN.	RANGE	UMNIPS
OF	OR	MEAN	OR	OR	OR	OR	OR	OR	OR
RONS	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	4% UP	8% UP
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A
5,472	51.9	21.8	52.9	66.7	1/ 99	N/A	N/A	53% UP	35% UP
70	45.4	24.0	39.0	57.4	2/ 97	N/A	N/A	104% UP	44% UP
755	49.9	23.9	44.3	70.6	8/ 99	N/A	N/A	42% UP	45% UP
4,501	52.5	21.3	54.0	66.4	1/ 99	N/A	N/A	57% UP	34% UP
1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A
1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A
2,677	29.6	21.7	25.1	41.0	0/ 99	N/A	N/A	7% UP	24% DN
62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	53% UP	12% UP
1,087	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	14% DN	47% DN
1,362	31.5	21.9	27.5	43.7	0/ 99	N/A	N/A	33% UP	11% UP
3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A
3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A
21,869	39.4	22.4	31.1	54.6	0/ 99	N/A	N/A	32% UP	8% UP
2,417	35.4	24.9	23.8	50.2	2/ 99	N/A	N/A	55% UP	20% DN
7,242	35.7	23.1	27.0	48.0	0/ 99	N/A	N/A	23% UP	1% UP
10,842	41.3	21.1	33.9	56.5	0/ 99	N/A	N/A	43% UP	14% UP
55	34.7	22.7	25.1	50.9	2/ 94	N/A	N/A	12% UP	3% DN
52	34.2	21.5	25.5	50.5	2/ 82	N/A	N/A	4% UP	9% UP
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A
13,661	36.2	20.6	28.3	48.0	0/ 99	N/A	N/A	25% UP	6% UP
2,280	34.9	24.6	23.4	49.6	2/ 99	N/A	N/A	59% UP	24% DN
5,373	35.6	22.3	26.7	47.5	0/ 99	N/A	N/A	31% UP	16% UP
4,952	33.8	15.1	28.0	39.7	4/ 99	N/A	N/A	16% UP	31% UP
51	34.5	22.6	24.4	50.9	7/ 94	N/A	N/A	11% UP	11% UP
48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	4% UP	4% UP
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A
5,520	51.9	21.9	52.9	66.9	1/ 99	N/A	N/A	53% UP	35% UP
72	45.6	24.6	38.0	58.0	2/ 97	N/A	N/A	105% UP	45% UP
779	49.9	24.1	44.3	71.0	8/ 99	N/A	N/A	42% UP	21% UP
4,523	52.5	21.3	51.1	66.5	1/ 99	N/A	N/A	57% UP	34% UP
1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A
1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A
2,679	29.6	21.7	25.1	41.1	0/ 99	N/A	N/A	7% UP	24% UP
62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	53% UP	12% UP
1,088	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	14% DN	47% DN

INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITHIN 90% CONFIDENCE)

TABLE 1.1.1. PRIMIS
TECHNOLOGY QUARTERLY
TIME PERIOD OCT 1984 DEC 1984

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DATE 09/11/85

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

DESCRIPTIVE STATISTICS.....

-----DESCRIPTIVE STATISTICS-----									
NUMBER	AVERAGE	STANDARD	75TH				% RUNS	% CHANGE	IN MEAN
OF OR	MEAN	DEVI	MEDIAN	PERCEN	RANGE	=	UMINIPS	LAST QTR	SAME QTR
RUNS	VALUE	ATION	VALUE	TILE	MIN/MAX	STANDARD	UMINIPS	TO YR AGO	TO QTRS
								THIS QTR	THIS QTR
								THIS QTR	THIS QTR
1	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100	100	100
22	100	100	100	100	100	100	100	100	100
23	100	100	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100	100	100
28	100	100	100	100	100	100	100	100	100
29	100	100	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100	100	100
31	100	100	100	100	100	100	100	100	100
32	100	100	100	100	100	100	100	100	100
33	100	100	100	100	100	100	100	100	100
34	100	100	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100	100	100
36	100	100	100	100	100	100	100	100	100
37	100	100	100	100	100	100	100	100	100
38	100	100	100	100	100	100	100	100	100
39	100	100	100</						

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	31.5	21.9	27.5	43.7	0/99	N/A	34.3%	33% UP	11% UP	26% UP
1.363	31.5	21.9	27.5	43.7	0/99	N/A	34.3%	33% UP	11% UP	26% UP
	38.7	19.6	48.0	62.7	30/69	N/A	N/A	N/A	N/A	N/A
	3	48.7	19.6	62.7	30/69	N/A	N/A	N/A	N/A	N/A

PERIODICALS - QUARTERLY
THE PRICES OF 1984 1985 1986

TIME REPORTED		DESCRIPTIVE STATISTICS										% CHANGE IN MEAN					
CONSTITUTE ALL CONSTITUTES		NUMBER OF OR MEAN		STANDARD DEVIATION		MEOTAR PERCENT		RANGE		UMMIPS		LAST QTR		SAME QTR		LAST FOUR	
		RONS	VALUE	ATTION	VALUE	TITLE	MIN	MAX	STANDARD	UMMIPS	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	
TRAFFIC MONITOR - AIR																	
1100	ALL IPS	160,604	33.4	23.0	27.3	44.9	0/99	0/99	N/A	6.9%	4% UP	6% UP	2% DN				
1105	ALL IPS	7,845	28.4	20.1	22.9	34.2	0/99	0/99	N/A	.8%	43% DN	10% DN	32% DN				
1110	ALL IPS	59,603	36.3	23.6	30.6	39.2	0/99	0/99	N/A	1.9%	12% UP	16% UP	6% UP				
1115	ALL IPS	90,998	28.3	21.3	21.9	39.2	0/99	0/99	N/A	17.1%	7% DN	5% DN	13% DN				
1120	CASREP	167	32.4	24.9	22.1	42.6	1/97	1/97	N/A	1.8%	24% DN	2% UP	18% DN				
1125	CASREP	129	32.4	25.0	21.3	42.4	1/97	1/97	N/A	2.3%	10% UP	34% UP	17% DN				
1130	CASREP	38	32.6	24.6	24.5	43.0	5/81	5/81	N/A	N/A	9% DN	N/A	11% UP				
TRAFFIC MONITOR - AIR																	
1135	ALL IPS	53,920	32.3	21.5	27.5	41.7	0/99	0/99	N/A	1.0%	2% UP	NO CHG	5% DN				
1140	ALL IPS	4,226	28.6	19.5	23.1	31.3	1/99	1/99	N/A	.1%	31% DN	NO CHG	25% DN				
1145	ALL IPS	42,663	34.0	21.4	29.4	43.8	0/99	0/99	N/A	6%	8% UP	7% UP	3% DN				
1150	ALL IPS	5,933	21.3	19.9	13.6	27.9	0/99	0/99	N/A	4.3%	26% DN	35% DN	31% DN				
1155	CASREP	124	31.0	24.5	20.3	39.5	1/94	1/94	N/A	8%	7% DN	4% UP	0% DN				
1160	CASREP	93	30.2	24.2	20.7	37.7	1/94	1/94	N/A	1.1%	14% UP	15% UP	20% DN				
1165	CASREP	31	33.5	25.8	24.0	53.0	5/81	5/81	N/A	N/A	5% UP	N/A	23% UP				
TRAFFIC MONITOR - SURFACE																	
1170	ALL IPS	23,396	39.3	24.6	31.9	56.0	0/99	0/99	N/A	17.4%	NO CHG	12% UP	4% DN				
1175	ALL IPS	222	25.6	19.0	19.5	5/98	5/98	5/98	N/A	15.8%	69% DN	31% DN	60% DN				
1180	ALL IPS	9,408	48.7	25.3	41.5	74.4	0/99	0/99	N/A	10.8%	15% UP	13% UP	2% UP				
1185	ALL IPS	13,704	33.1	22.0	26.8	44.1	0/99	0/99	N/A	21.9%	9% DN	2%	12% DN				
1190	CASREP	4	25.2	9.0	23.0	33.0	17/38	17/38	N/A	25.0%	49% UP	N/A	49% UP				
1195	CASREP	3	25.7	11.0	23.0	36.2	17/38	17/38	N/A	33.3%	51% UP	N/A	51% UP				
1200	CASREP	1	24.0	1.0	24.0	24.0	24/24	24/24	6	0%	N/A	N/A	N/A				
TRAFFIC MONITOR - LOCAL DELIVERY																	
1205	ALL IPS	81,671	32.1	27.1	25.0	44.5	0/99	0/99	N/A	7.8%	8% UP	7% UP	2% UP				
1210	ALL IPS	3,358	28.4	20.9	22.9	35.0	0/99	0/99	N/A	.7%	42% DN	25% DN	36% DN				
1215	ALL IPS	46,302	35.4	24.2	29.2	48.4	0/99	0/99	N/A	1.2%	15% UP	25% UP	12% UP				
1220	ALL IPS	31,015	27.5	20.6	21.1	39.0	0/99	0/99	N/A	17.4%	NO CHG	1% DN	10% DN				
1225	CASREP	39	37.5	26.6	26.3	63.0	2/97	2/97	N/A	2.6%	28% DN	5% UP	20% DN				
1230	CASREP	33	39.0	27.5	28.0	64.9	2/97	2/97	N/A	3.0%	NO CHG	212% UP	11% DN				
1235	CASREP	6	29.3	21.1	25.5	29.2	8/69	8/69	N/A	N/A	38% DN	N/A	16% DN				
TRAFFIC MONITOR - LOCAL DELIVERY																	
1240	ALL IPS	123,695	31.9	22.6	25.5	43.5	0/99	0/99	N/A	7.1%	8% UP	5% UP	NO CHG				
1245	ALL IPS	5,407	29.9	21.6	23.3	36.8	0/99	0/99	N/A	6%	33% DN	10% DN	26% DN				
1250	ALL IPS	73,281	34.7	23.1	29.3	46.4	0/99	0/99	N/A	1.3%	17% UP	16% UP	9% UP				
1255	ALL IPS	43,067	27.1	21.0	20.4	37.8	0/99	0/99	N/A	17.1%	3% DN	6% DN	12% DN				
1260	CASREP	111	34.9	25.5	25.3	48.6	1/97	1/97	N/A	1.8%	25% DN	6% UP	19% DN				
1265	CASREP	88	35.7	26.2	25.5	50.5	1/97	1/97	N/A	2.3%	23% UP	89% UP	6% DN				
1270	CASREP	23	32.0	22.8	24.7	41.7	7/77	7/77	N/A	N/A	28% DN	N/A	11% DN				
TRAFFIC MONITOR - AIR																	
1275	ALL IPS	73,582	31.4	21.6	26.9	41.3	0/99	0/99	N/A	1.3%	16% UP	1% DN	2% DN				
1280	ALL IPS	2,006	33.1	22.9	25.1	41.8	1/99	1/99	N/A	1%	11% DN	10% UP	11% UP				
1285	ALL IPS	25,206	32.3	21.2	29.1	42.4	0/99	0/99	N/A	6%	20% UP	8% UP	5% UP				

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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PRIMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS

THAT FILE: R01MIS
PERIOD: Q1 1984
LINE PERIOD: OCT 1984 DEC 1984

FLEET: EMPLOYED CONSTRAINT: ALL CONSTRAINTS	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN		
	NUMBER OF RONS	AVERAGE VALUE	STANDARD DEVIATION	PERCENT ATTENTION	75TH PERCENT VALUE	RANGE MIN/MAX	UMHIPS	% RUNS WITHIN	LAST QTR THIS QTR	SAME QTR THIS QTR	LAST QTR TO YR AGO	LAST QTR TO YR AGO	LAST QTR TO YR AGO
ISSUE: CTR PL: NSC/NSD TRANS: MODE: AIR	4,994	19.4	19.3	12.4	23.4	0/99	N/A	5.1%	31% DN	41% DN	37% DN	37% DN	37% DN
	72	33.5	24.9	24.9	42.2	1/94	N/A	1.4%	13% DN	15% UP	10% DN	10% DN	10% DN
	55	33.7	25.5	25.1	41.1	1/94	N/A	1.8%	40% UP	57% UP	1% DN	1% DN	1% DN
	17	33.0	23.9	24.2	44.2	7/77	N/A	N/A	24% DN	N/A	N/A	N/A	9% DN
	9,219	33.0	22.6	26.9	44.8	0/99	N/A	21.4%	8% UP	9% UP	1% UP	1% UP	1% UP
ISSUE: CTR PL: NSC/NSD TRANS: MODE: SURFACE	1,833	38.4	21.4	36.5	46.1	3/99	N/A	12.5%	16% DN	20% DN	27% UP	27% UP	27% UP
	7,282	31.6	22.7	24.3	43.9	0/99	N/A	23.6%	4% UP	7% UP	1% DN	1% DN	1% DN
	80,711	31.9	23.0	24.8	44.1	0/99	N/A	7.9%	8% UP	7% UP	1% UP	1% UP	1% UP
	3,330	28.0	20.5	22.7	34.7	0/99	N/A	1.7%	44% DN	26% DN	37% DN	37% DN	37% DN
	45,624	35.2	24.1	28.9	48.1	0/99	N/A	1.2%	15% UP	24% UP	11% UP	11% UP	11% UP
ISSUE: CTR PL: NSC/NSD TRANS: MODE: LOCAL DELIVERY	30,761	27.3	20.5	21.0	38.5	0/99	N/A	17.5%	NO CHG	2% DN	2% DN	2% DN	2% DN
	39	31.5	26.6	26.3	63.0	2/97	N/A	2.6%	28% DN	5% UP	20% DN	20% DN	20% DN
	33	39.0	27.5	28.0	64.9	2/97	N/A	3.0%	NO CHG	212% UP	11% DN	11% DN	11% DN
	6	29.3	21.1	25.5	29.2	8/69	N/A	N/A	38% DN	N/A	N/A	N/A	18% DN
	127,810	32.5	23.0	26.1	44.4	0/99	N/A	6.9%	10% UP	6% UP	2% UP	2% UP	2% UP
ISSUE: CTR PL: ALL NAVS TRANS: MODE: ALL MODES	5,608	30.2	21.8	23.9	37.2	0/99	N/A	1.6%	31% DN	10% DN	26% DN	26% DN	26% DN
	76,396	35.5	23.5	30.0	48.0	0/99	N/A	1.3%	19% UP	18% UP	12% UP	12% UP	12% UP
	43,648	27.4	21.2	20.7	38.4	0/99	N/A	17.0%	3% DN	6% DN	11% DN	11% DN	11% DN
	113	35.7	26.0	25.8	52.0	1/97	N/A	1.8%	23% DN	9% UP	17% DN	17% DN	17% DN
	89	36.3	26.7	25.9	52.4	1/97	N/A	2.2%	25% UP	92% UP	4% DN	4% DN	4% DN
ISSUE: CTR PL: ALL NAVS TRANS: MODE: AIR	24	33.6	23.6	25.5	49.2	7/77	N/A	N/A	25% DN	N/A	7% DN	7% DN	7% DN
	35,933	32.8	22.4	28.0	43.3	0/99	N/A	1.2%	14% UP	3% UP	2% UP	2% UP	2% UP
	2,149	33.1	22.8	25.2	41.7	1/99	N/A	1.1%	13% DN	10% UP	12% DN	12% DN	12% DN
	27,810	34.8	22.1	30.2	45.4	0/99	N/A	6%	24% UP	12% UP	9% UP	9% UP	9% UP
	5,076	19.8	19.7	12.6	24.2	0/99	N/A	5.0%	29% DN	39% DN	35% DN	35% DN	35% DN
ISSUE: CTR PL: ALL NAVS TRANS: MODE: SURFACE	74	34.8	25.8	25.5	44.7	1/94	N/A	1.4%	10% DN	19% UP	6% DN	6% DN	6% DN
	56	34.7	26.3	25.5	43.0	1/94	N/A	1.8%	44% UP	62% UP	2% UP	2% UP	2% UP
	18	35.1	24.8	25.5	55.5	7/77	N/A	N/A	19% DN	N/A	3% DN	3% DN	3% DN
	9,839	34.0	23.1	27.6	46.7	0/99	N/A	20.8%	10% UP	12% UP	3% UP	3% UP	3% UP
	67	31.8	25.6	21.1	46.1	9/97	N/A	7.5%	21% DN	32% DN	15% UP	15% UP	15% UP
ISSUE: CTR PL: ALL NAVS TRANS: MODE: LOCAL DELIVERY	2,227	41.3	22.9	27.8	56.1	0/99	N/A	12.1%	30% UP	7% UP	20% UP	20% UP	20% UP
	7,483	31.8	22.7	24.6	44.1	0/99	N/A	23.5%	4% UP	7% UP	2% DN	2% DN	2% DN
	81,587	32.1	23.1	25.0	44.5	0/99	N/A	7.8%	8% UP	7% UP	2% UP	2% UP	2% UP
	3,358	28.4	20.9	22.9	35.0	0/99	N/A	7%	42% DN	25% DN	36% DN	36% DN	36% DN
	46,219	35.5	24.2	29.2	48.5	0/99	N/A	1.2%	15% UP	25% UP	12% UP	12% UP	12% UP
ISSUE: CTR PL: ALL NAVS TRANS: MODE: LOCAL DELIVERY	31,014	27.5	20.6	21.1	39.0	0/99	N/A	17.4%	NO CHG	1% DN	10% DN	10% DN	10% DN

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***** RTIMIS 11: TRANSPORTATION TIME REPORT -- FOR FLEETS *****

TABLE III. PRIMIS
SEPTUAGINTY - QUARTERLY
1986 PERIOD JAN 1984 - MAR 1984

-----% CHANGE IN MEAN-----
LAST QTR SAME QTR LAST FOUR
TO YR AGO TO QTRS TO
THIS QTR THIS QTR THIS QTR

---DESCRIPTIVE STATISTICS---						
				75TH		% ROWS WITHIN
COUNT	AVERAGE OF OR MEAN	STANDARD DEVIATION	PERCENTILE VALUE	MEDIAN PERCENTILE VALUE	RANGE MIN/MAX	UNIMPS STANDARD UNIMIPS
ROWS	VALUE					

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

28% DN	5% UP	20% DN
NO CHG	212% UP	11% UN
38% DN	N/A	16% DN

Year	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
39	37.5	26.6	26.3	63.0	2/97	N/A	2.6%																																																																																															
33	39.0	27.5	28.0	64.9	2/97	N/A	3.0%																																																																																															
6	29.3	21.1	25.5	29.2	8/69	N/A	N/A																																																																																															

ISSUE TO BE ALL NAVY
HEADQUARTER LOCAL OFFICES
11G CASREP
11G 1 CASREP
11G 11 CASREP

UNIT: UNEMPLOYED OUT-TEMP: ALL-TEMP: SITES				DESCRIPTIVE STATISTICS:					% CHANGES IN MEAN					
NUMBER RUNS	AVERAGE OF OR MEAN VALUE	STANDARD DEVI- ATION	MEDIAN PERCENT- VALUE	75TH TILE	RANGE = MIN/MAX	UNIMPS STANDARD	% RONS WITHIN UMIMPS	LAST OIR TO VR AGO TO THIS OIR	SAME OIR THIS OIR	CHANGES IN MEAN				
TEMP: ALL PT. MISC-NO. 1														
TEMP: MIDE AIR														
4,821	18.6	18.4	12.1	21.8	0/99	N/A	5.3%	4% DN	29% DN	32% DN				
13	31.3	29.7	19.0	24.9	4/86	N/A	N/A	50% DN	44% DN	32% DN				
6	37.8	37.0	18.5	62.0	4/86	N/A	N/A	24% DN	32% DN	27% DN				
TEMP: MIDE SURFACE														
6,375	31.7	23.7	23.7	45.8	0/99	N/A	25.9%	1% UP	22% UP	1% UP				
21	34.9	22.9	29.2	53.0	10/87	N/A	14.3%	14% DN	12% DN	33% UP				
826	37.9	27.5	30.7	60.0	3/99	N/A	18.3%	14% DN	8% DN	NO CHG				
5,502	30.8	23.0	22.9	43.2	0/99	N/A	27.1%	4% UP	21% UP	1% UP				
TEMP: MIDE LOCAL DELIVER														
62,236	31.8	22.7	25.0	43.9	0/99	N/A	9.0%	17% UP	13% UP	11% UP				
1,336	34.7	25.0	28.9	46.0	4/99	N/A	1%	22% DN	10% DN	20% DN				
33,723	35.0	23.7	29.2	46.9	0/99	N/A	9%	24% UP	14% UP	26% UP				
26,449	27.7	20.6	21.4	39.7	0/99	N/A	18.9%	9% UP	6% UP	NO CHG				
18	42.7	27.3	25.5	66.7	10/92	N/A	N/A	4% UP	19% UP	8% DN				
15	43.9	28.0	28.0	68.0	10/92	N/A	N/A	N/A	25% UP	13% UP				
3	36.7	28.4	23.0	62.7	16/69	N/A	N/A	27% DN	N/A	9% DN				
TEMP: STD PT. ALL NAVY														
TEMP: MIDE ALL MOPS														
95,402	32.1	23.0	25.3	44.2	0/99	N/A	8.1%	15% UP	13% UP	9% UP				
2,469	37.1	25.4	30.0	50.0	3/99	N/A	2%	6% DN	10% UP	6% DN				
54,249	35.0	23.6	24.1	47.3	0/99	N/A	1.1%	21% UP	23% UP	19% UP				
37,284	27.2	20.5	20.5	38.1	0/99	N/A	18.2%	5% UP	5% UP	4% DN				
32	39.5	29.4	23.4	68.0	4/92	N/A	N/A	14% DN	6% UP	15% DN				
22	44.3	30.9	25.5	75.5	4/92	N/A	N/A	11% DN	64% UP	5% DN				
10	29.0	23.9	20.5	24.7	7/77	N/A	N/A	39% DN	N/A	23% DN				
TEMP: MIDE AIR														
25,261	31.5	22.9	25.6	42.8	0/99	N/A	1.5%	16% UP	9% UP	3% UP				
1,057	39.6	25.4	30.9	55.5	3/99	N/A	N/A	10% UP	32% UP	6% UP				
18,621	33.8	22.6	28.1	45.4	0/99	N/A	1.7%	20% UP	14% UP	10% UP				
4,889	19.0	18.8	12.2	22.6	0/99	N/A	5.2%	3% DN	27% DN	31% DN				
14	35.4	32.5	19.5	75.5	4/89	N/A	N/A	43% DN	37% DN	23% DN				
7	45.1	38.9	19.5	84.2	4/89	N/A	N/A	10% DN	19% DN	13% DN				
7	25.7	23.4	19.5	23.6	7/77	3	0%	N/A	N/A	186% UP				
TEMP: MIDE SURFACE														
6,784	32.6	24.0	24.5	47.3	0/99	N/A	25.2%	4% UP	23% UP	4% UP				
31	30.3	21.0	23.0	46.1	10/87	N/A	9.7%	25% DN	34% DN	11% DN				
1,063	41.2	27.5	31.7	66.8	2/99	N/A	16.8%	5% DN	1% UP	9% UP				
5,662	31.0	23.0	23.3	43.5	0/99	N/A	26.9%	4% UP	21% UP	1% UP				
TEMP: MIDE LOCAL DELIVER														
63,062	32.2	22.9	25.3	44.4	0/99	N/A	8.9%	17% UP	14% UP	12% UP				
1,364	35.5	25.5	29.6	47.3	4/93	N/A	1%	17% DN	8% DN	16% DN				
34,337	35.3	23.8	29.5	47.4	0/99	N/A	8%	23% UP	34% UP	26% UP				
26,687	27.9	20.8	21.5	39.7	0/99	N/A	18.7%	8% UP	7% UP	1% UP				

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..... PRIMS II TRANSPORTATION TIME REPORT FOR FLEETS

[illegible][illegible]

ISSUE CIRC PT ALL NAV.													
TRANS MODE LOCAL DELIVERY													
11% CASREP													
15% CASREP													
11% CASREP													
18	42	7	27	3	25	5	66	7	10/ 92	N/A	4% UP	19% UP	8% DN
15	43	9	28	0	28	0	68	0	10/ 92	N/A	N/A	13% UP	13% UP
3	36	7	28	4	23	0	62	7	16/ 69	N/A	22% DN	25% UP	9% DN
										N/A	N/A	N/A	N/A

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 CHICAGO, ILL. 60611
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UNIT PRODUCTION		DESCRIPTIVE STATISTICS				% CHANGE IN MEAN						
UNIT	THRU	AVG	STAND	DEVI	MEDIAN	PERCENT	RANGE	U-MIPS	% RUNS	LAST QTR	SAME QTR	LAST FOUR
		VALUE	ADJ		VALUE	TILE	MIN/MAX	STANDARD	WITHIN	THIS QTR	THIS QTR	THIS QTR
UNIT: 100 FT. ALL STRIPS												
100	ALL	41,781	32.9	21.9	27.3	43.1	0/99	N/A	3.6%	11% DN	10% DN	19% DN
100	ALL	4,561	23.8	15.0	21.1	28.6	0/98	N/A	7%	61% DN	19% DN	49% DN
100	11	28,395	35.4	22.5	30.4	46.9	0/99	N/A	1.9%	1% UP	2% DN	13% DN
100	111	8,067	28.9	20.8	22.8	39.1	0/99	N/A	10.2%	23% DN	17% DN	26% DN
100	CASREP	116	31.7	23.9	22.3	39.4	1/97	N/A	1.7%	30% DN	2% DN	17% DN
100	1 CASREP	99	30.0	23.3	20.4	37.5	1/97	N/A	2.0%	6% UP	13% UP	24% DN
100	11 CASREP	17	41.5	25.6	34.2	64.2	8/81	N/A	N/A	1% UP	N/A	22% UP
UNIT: MOVE AIR												
100	ALL	16,817	32.9	20.0	28.5	40.4	0/99	N/A	6%	8% DN	19% DN	16% DN
100	1	2,420	24.1	14.5	21.5	28.2	1/98	N/A	1%	48% DN	21% DN	33% DN
100	11	13,738	34.2	20.2	30.6	42.7	0/99	N/A	7%	6% UP	8% DN	3% DN
100	111	255	37.0	26.5	28.1	48.4	5/99	N/A	N/A	15% DN	40% DN	21% DN
100	CASREP	93	31.4	23.8	20.8	39.2	1/94	N/A	1.1%	13% DN	3% DN	12% DN
100	1 CASREP	79	28.8	22.6	20.1	34.6	1/94	N/A	1.3%	17% UP	12% UP	1% DN
100	11 CASREP	14	45.7	26.0	40.5	68.0	10/81	N/A	N/A	12% UP	N/A	31% UP
UNIT: MOVE SURFACE												
100	ALL	6,041	35.1	20.4	30.4	43.7	0/99	N/A	10.4%	17% DN	14% DN	28% DN
100	1	130	24.2	19.6	17.3	24.6	8/97	N/A	6.9%	72% DN	50% DN	68% DN
100	11	2,438	38.6	19.7	35.7	44.7	0/98	N/A	7.3%	1% DN	24% DN	28% DN
100	111	3,439	32.9	20.5	28.0	42.7	0/99	N/A	12.6%	17% DN	13% DN	24% DN
100	CASREP	2	30.0	11.3	30.5	37.0	22/38	6	0%	76% UP	N/A	76% UP
100	1 CASREP	2	30.0	11.3	30.5	37.0	22/38	6	0%	76% UP	N/A	76% UP
UNIT: MOVE LOCAL DELIVER												
100	ALL	18,608	32.0	23.8	24.3	44.8	0/99	N/A	4.1%	11% DN	3% DN	17% DN
100	1	1,394	23.5	15.2	20.9	29.2	0/98	N/A	1.1%	50% DN	7% DN	54% DN
100	11	11,964	35.8	18.2	28.1	54.4	0/99	N/A	2.2%	N/A	11% UP	9% DN
100	111	4,332	25.1	19.8	17.2	34.0	0/99	N/A	9.0%	28% DN	17% DN	31% DN
100	CASREP	21	33.1	25.7	26.7	40.1	2/97	N/A	4.8%	39% DN	N/A	30% DN
100	1 CASREP	18	34.9	27.1	28.0	55.5	2/97	N/A	5.6%	11% DN	24% DN	16% DN
100	11 CASREP	3	22.0	12.1	26.5	28.0	8/29	3	0%	N/A	N/A	16% DN
UNIT: MOVE PT. OSC. NED												
100	ALL	30,783	32.8	22.1	27.6	43.3	0/99	N/A	3.6%	5% DN	8% DN	14% DN
100	1	3,044	24.5	16.3	21.2	20.8	0/98	N/A	9%	53% DN	18% DN	44% DN
100	11	20,778	35.2	22.5	30.9	46.4	0/99	N/A	1.8%	3% UP	7% DN	7% DN
100	111	6,263	28.7	21.2	21.6	39.2	0/99	N/A	9.8%	21% DN	17% DN	25% DN
100	CASREP	80	33.8	24.3	27.4	47.2	1/97	N/A	2.5%	28% DN	29% UP	16% DN
100	1 CASREP	67	33.7	24.8	26.0	41.1	1/97	N/A	3.0%	22% UP	16% UP	12% DN
100	11 CASREP	13	31.4	22.6	29.7	44.2	8/76	N/A	N/A	20% DN	N/A	3% DN
UNIT: MOVE AIR												
100	ALL	9,411	33.3	18.9	31.2	40.2	1/99	N/A	5%	1% UP	21% DN	13% DN
100	1	1,008	26.4	17.5	22.2	31.5	1/98	N/A	3%	36% DN	16% DN	31% DN
100	11	7,902	33.8	28.7	31.9	40.8	1/99	N/A	5%	22% UP	8% DN	5% DN
100	111	173	42.2	18.5	32.9	61.2	5/99	N/A	N/A	13% DN	13% DN	1% DN

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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RRMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS

TABLE 1.1. RPIMS
PERIOD: 1984:1 - 1984:4
LINE PERIOD: OCT 1984 DEC 1984

-----DESCRIPTIVE STATISTICS-----										-----% CHANGE IN MEAN-----					
NUMBER AVERAGE STANDARD		DEV -		MEDIAN PERCENT-		75TH		% RONS WITHIN		LAST OIR		SAME OIR		LAST FOUR	
OF	OR MEAN	OR MEAN	DEV -	VALUE	VALUE	VALUE	VALUE	UMIPS	UMIPS	THIS OIR	THIS OIR	THIS OIR	THIS OIR	THIS OIR	THIS OIR
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	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256
257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272
273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288
289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304
305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336
337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352
353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368
369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384
385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410	411	412	413	414		

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TRAIL, MILES	AIR	17%	8% DN	30% UP	4% DN
116 CASREP	59	34.0	27.6	42.6	1/94

Run	Time (h)	Yield (%)	Conversion (%)	DP _n	DP _w	DP _m	DP _z	DP _z /DP _n	DP _z /DP _w	DP _z /DP _m	DP _z /DP _z
1	49	33.2	24.2	26.0	40.2	1/94	N/A	2.0%	56% UP	160% UP	23% UP
2	10	38.1	24.1	35.5	55.5	10/76	N/A	N/A	12% DN	N/A	2% UP

[illegible]

	10	20	30	40	50	60	70	80	90	100
10	10	20	30	40	50	60	70	80	90	100
20	10	20	30	40	50	60	70	80	90	100
30	10	20	30	40	50	60	70	80	90	100
40	10	20	30	40	50	60	70	80	90	100
50	10	20	30	40	50	60	70	80	90	100
60	10	20	30	40	50	60	70	80	90	100
70	10	20	30	40	50	60	70	80	90	100
80	10	20	30	40	50	60	70	80	90	100
90	10	20	30	40	50	60	70	80	90	100
100	10	20	30	40	50	60	70	80	90	100

[illegible][illegible][illegible]

	21	25.7	26.7	40.1	2/97	N/A	4.8%	39% DN	N/A	30% DN
11G CASREP		33.1								

	10	34.9	27.1	28.0	33.3	47.9	N/A	3.0%	11%	DN
ING- I CASREP	16	34.9	27.1	28.0	33.3	47.9	N/A	3.0% <td>11%<td>DN</td></td>	11% <td>DN</td>	DN
ING- II CASREP	3	22.0	12.1	26.5	28.0	8/ 29	3	.0%	N/A	N/A

1550 IF C112.P1 = ALL NAV;

[illegible]

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2
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IIG-III		6,364	28.3	21.2	21.7	39.4	O/99	N/A	9.8%	21% DN	17% DN	25% DN
IIG-CASFC		81	34.2	24.5	27.7	43.4	1/97	N/A	2.5%	27% DN	31% UP	17% DN

IFG: 1 CASREP	67	33.7	24.8	26.0	41.1	1/ 97	N/A	3.0%	22% UP	164% UP	1% DN
IFG: 11 CASREP	14	26.9	22.7	20.5	55.5	8/ 76	N/A	N/A	15% DN	N/A	4% UP

[illegible]

Run	Time	Temp	Pressure	Flow	Conc	Yield	Quality	Notes
1	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
2	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
3	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
4	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
5	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
6	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
7	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
8	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
9	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
10	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
11	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
12	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
13	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
14	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
15	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
16	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
17	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
18	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
19	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
20	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
21	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
22	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
23	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
24	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
25	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
26	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
27	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
28	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
29	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
30	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
31	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
32	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
33	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
34	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
35	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
36	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
37	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
38	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
39	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
40	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
41	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
42	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
43	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
44	1.092	26.7	17.8	32.1	1/ 98	N/A	3%	36% DN
45								

	IFC- III	187	41.9	28.1	32.9	59.7	N/A	3% UN	32% DN	10% DN
IFC- III		187	41.9	28.1	32.9	59.7	N/A	3% UN	32% DN	10% DN

[illegible]

TRANSMISSION SURFACE

	36	33.2	29.2	18.5	54.2	9/ 97	N/A	5.6%	N/A	27% ON	32% DN	46% DN
11% I	36	33.2	29.2	18.5	54.2	9/ 97	N/A	5.6%	N/A	27% ON	32% DN	46% DN
10% ALL PWS	36	33.2	29.2	18.5	54.2	9/ 97	N/A	5.6%	N/A	27% ON	32% DN	46% DN

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2
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	IPG ALL	LOCAL	OVERVIEW
18,525	32.0	23.8	24.2
44.9	O/ 99	N/A	4.1%
11% DN			3% DN
16% DN			

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2
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PG III	PG ASPER	4,331	25.1	19.8	34.0	0/99	N/A	9.0%	28% DN	17% DN	31% DN
PG III	PG ASPER	4,331	25.1	19.8	34.0	0/99	N/A	9.0%	28% DN	17% DN	31% DN
PG III	PG ASPER	4,331	25.1	19.8	34.0	0/99	N/A	9.0%	28% DN	17% DN	31% DN

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 95% CONFIDENCE)

10000 1 1 1

163

1981-1982 REVIEW
 1981-1982 QUARTERLY
 1981-1982

UNIT REGISTERED
CONSOLIDATED PACIFIC SHIPS

ISSUE '18 101 ALL NAVY
TRAMP HOME LOCAL DELIVERY
100 1 CASREP
100 11 CASREP

TABLE 1. PRICES
PER UNIT IN QUARTERS
TIME PERIOD: OCT 1984 - DEC 1984

[illegible]

PAGE 44
CODE (8, 1.
DATE 09/11/85

-----% CHANGE IN MEAN-----
LAST QTR SAME QTR LAST FOUR
QTRS TO QTRS TO
THIS QTR THIS QTR THIS QTR

LAST QTR		SAME QTR		10 YR AGO		THIS QTR		LAST FOUR QTRS TO THIS QTR	
4% UP		19% UP		N/A		251% UP		8% DN	
22% DN		N/A		251% UP		N/A		13% UP	
								9% DN	
-----% CHANGE IN MEAN-----									

..... RRIMIS II - TRANSPORTATION TIME REPORT -- FOR FLEETS
.....

1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

DESCRIPTIVE STATISTICS										% CHNGE IN MEAN										
NUMBER AVERAGE STANDARD			MEDIAN PERCENT			RANGE			% RUNS			LAST QTR			SAME QTR			LAST QTR		
OF OR MEAN			VALUE			TITLE			MIN/MAX			UMMIPS			TO YR AGO			THIS QTR		
RONS	VALUE	ATTION	VALUE	ATTION	VALUE	MIN	MAX	STANDARD	UMMIPS	UMMIPS	UMMIPS	UMMIPS	UMMIPS	UMMIPS	UMMIPS	UMMIPS	UMMIPS			
TRAN: MIDE - AIR																				
113.946	32.3	22.5	26.3	43.7	0/99	N/A	8.4%	7% UP	10% UP	3% UP										
3.275	34.7	24.1	27.4	45.8	3/99	N/A	9%	14% DN	9% UP	11% DN										
66.864	34.8	22.9	28.6	45.9	0/99	N/A	2.0%	12% UP	20% UP	1% UP										
42.407	27.9	21.1	21.6	38.6	0/99	N/A	18.6%	1% DN	3% DN	7% DN										
51	34.1	27.2	21.9	56.7	4/92	N/A	2.0%	9% UP	8% UP	1% DN										
30	40.3	29.2	24.2	65.5	4/92	N/A	3.3%	19% DN	40% UP	9% DN										
21	25.4	21.8	20.0	25.2	5/77	N/A	N/A	17% DN	N/A	2% UP										
TRAN: MIDE - SURFACE																				
36.448	31.4	21.7	26.6	41.2	0/99	N/A	1.1%	5% UP	7% UP	2% DN										
1.797	34.5	23.3	26.6	45.1	3/99	N/A	N/A	11% DN	22% UP	8% DN										
28.304	33.2	21.4	28.5	43.1	0/99	N/A	.6%	6% UP	11% UP	2% UP										
5.653	20.4	19.0	13.3	26.3	0/99	N/A	4.5%	ND CHG	22% DN	26% DN										
31	30.0	27.1	19.2	46.7	4/89	N/A	N/A	22% UP	8% UP	5% DN										
11.6	31.5	31.5	19.5	58.0	4/89	N/A	N/A	24% DN	16% UP	17% DN										
17	23.5	21.6	19.0	25.1	5/77	3	.0%	58% UP	N/A	41% UP										
TRAN: MIDE - LOCAL MULTIPLY																				
13.810	34.9	22.9	28.8	45.5	0/99	N/A	25.0%	9% DN	10% UP	6% DN										
92	27.6	18.0	22.4	33.0	5/98	N/A	28.3%	33% DN	19% DN	8% DN										
3.779	41.8	23.3	38.4	54.0	2/99	N/A	22.2%	8% DN	15% UP	2% DN										
9.911	32.4	22.2	25.7	42.7	0/99	N/A	26.0%	10% DN	10% UP	8% DN										
TRAN: MIDE - LOCAL DIVIDE																				
62.831	32.1	22.8	25.2	44.3	0/99	N/A	8.9%	16% UP	14% UP	12% UP										
1.364	35.5	25.5	29.6	47.3	4/99	N/A	.1%	17% DN	8% DN	16% DN										
34.215	35.2	23.8	29.5	47.3	0/99	N/A	9%	22% UP	34% UP	26% UP										
26.574	27.8	20.7	21.5	39.6	0/99	N/A	18.8%	8% UP	7% UP	ND CHG										
18	42.7	27.3	25.5	66.7	10/92	N/A	N/A	42% UP	19% UP	8% DN										
15	43.9	28.0	28.0	68.0	10/92	N/A	N/A	N/A	25% UP	13% UP										
3	36.7	28.4	23.0	62.7	16/69	N/A	N/A	22% DN	N/A	9% DN										
TRAN: MIDE - ALL MINUS																				
92.557	31.5	22.7	24.8	43.5	0/99	N/A	8.3%	14% UP	12% UP	7% UP										
2.359	36.8	25.2	29.8	49.4	3/99	N/A	.3%	8% DN	9% UP	7% DN										
52.305	34.4	23.3	28.5	46.4	0/99	N/A	1.1%	20% UP	21% UP	17% UP										
36.641	26.8	20.9	20.2	37.3	0/99	N/A	18.4%	4% UP	4% UP	5% DN										
31	37.9	28.4	23.0	66.1	4/92	N/A	N/A	17% DN	2% UP	18% DN										
21	42.2	30.0	24.9	69.7	4/92	N/A	N/A	16% DN	56% UP	9% DN										
10	29.0	23.9	20.5	21.7	7/77	N/A	N/A	39% DN	N/A	23% DN										
TRAN: MIDE - ALL PLUS																				
24.085	30.6	22.5	24.7	41.8	0/99	N/A	1.6%	15% UP	6% UP	1% UP										
994	39.8	25.4	31.1	56.0	3/99	N/A	7%	13% UP	13% UP	8% UP										
17.722	33.0	22.2	27.5	44.6	0/99	N/A	N/A	18% UP	22% UP	8% UP										

PRIMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS --

PRIMIS
REPORT: IV QUARTER
TIME PERIOD: OCT 1981 OFF: 1004

% CHANGE IN MEAN
LAST QTR SAME QTR LAST FOUR
TO YR AGO TO QTRS TO
THIS QTR THIS QTR THIS QTR

% RUNS
WITHIN
UMHIPS

DESCRIPTIVE STATISTICS
75TH
PERCENTILE
MEDIAN PERCENTILE
VALUE

NUMBER AVERAGE STANDARD
OF OR MEAN DEVI-
RONS VALUE ATION

FLEETS: 000 FLEET
CODE: 000 ATLANTIC OCEAN

ISSUE: 000 PT. MISC/MSD

TRANS: 000 AIR

LEG: 111

LEG: 111

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COOF (8. 4.)
DATE 09/11/85

CHANGE IN MEAN
 TR SAME QTR LAST FOUR
 TO YR AGO TO QTRS TO
 TR THIS QTR THIS QTR

	P	A	N
UP	19%	251%	N/A
DN	8%	13%	9%

NUMBER OF REACTIONS		DESCRIPTIVE STATISTICS					RANGE		UNIMPL. STANDARD	
AVERAGE	STANDARD DEVIATION	MEAN	PERCENTILE	75TH	TITLE	MIN	MAX	STANDARD	MIN	MAX
18	42.7	27.3	25.5	66.7	10/92	10	92	N/A		
15	43.9	28.0	28.0	68.0	10/92	10	92	N/A		
3	36.7	28.4	23.0	62.7	16/69	16	69	N/A		

CHANGE IN MEAN		QTR SAME QTR LAST FOUR		QTR TO VP AGO TO QTRS TO	
		QTR THIS QTR		QTR THIS QTR	
P	19% UP	8% DN			
A	251% UP	13% UP			
N	N/A	9% DN			

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

PERIOD: Q1 1984 TO: Q4 1984

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

ISSUE VALUE PER QSC/MSD												
TRANSP. MODE - SURFACE												
REG I	REG II	REG III	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP	REG I CASREP
63	1,243	5,691	1	1	1	1	1	1	1	1	1	1
35.1	36.4	41.1	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
14.0	22.3	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29.1	28.5	34.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
50.7	50.9	60.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
15/ 69	1/ 99	0/ 99	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17	17/ 17
N/A	N/A	N/A	6	6	6	6	6	6	6	6	6	6
47.6%	9.1%	33.7%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
25% UP	31% DN	11% UP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	47% UP	15% UP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRANSP. MODE - LOCAL DELIVERY												
1,243	24	410	797	4	4	4	4	4	4	4	4	4
53.7	27.5	50.5	56.1	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
23.1	23.8	23.7	22.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
52.9	19.7	50.9	72.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
74.6	23.8	77.0	77.0	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
1/ 99	6/ 91	7/ 99	1/ 99	22/ 23	22/ 23	22/ 23	22/ 23	22/ 23	22/ 23	22/ 23	22/ 23	22/ 23
N/A	N/A	N/A	N/A	2	2	2	2	2	2	2	2	2
11.7%	N/A	N/A	18.2%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%	.0%
4% UP	5% UP	1% DN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17% DN	20% DN	18% DN	20% DN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	32% DN	24% UP	30% DN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CODE: CTR DT ALL NAVS												
TRANSP. MODE			ALL MODES									
REG	ALL	TPGS	31,896	34.0	19.7	27.6	41.1	0/ 99	N/A	7.0%	8% UP	2% DN
REG I	REG I	TPGS	3,005	29.2	16.4	25.0	34.4	3/ 99	N/A	1.0%	8% UP	2% DN
REG II	REG II	TPGS	18,332	31.2	17.6	26.8	35.3	1/ 99	N/A	.7%	3% UP	12% DN
REG III	REG III	TPGS	9,389	39.5	22.4	30.8	57.7	0/ 99	N/A	22.1%	4% UP	6% DN
REG I CASREP	REG I	CASREP	37	28.5	21.9	21.4	34.2	5/ 93	N/A	N/A	22% DN	42% DN
REG I CASREP	REG I	CASREP	37	28.5	21.9	21.4	34.2	5/ 93	N/A	N/A	21% DN	42% DN
TRANSP. MODE - AIR												
REG I	REG I	TPGS	23,541	31.1	17.2	26.5	35.7	1/ 99	N/A	.0%	5% UP	9% DN
REG II	REG II	TPGS	2,917	29.0	16.3	25.0	34.3	3/ 99	N/A	N/A	7% UP	2% DN
REG III	REG III	TPGS	16,850	30.3	16.6	26.5	34.4	1/ 99	N/A	.0%	4% UP	10% DN
REG I CASREP	REG I	CASREP	2,846	31.2	17.4	24.9	36.0	3/ 98	N/A	.0%	2% DN	23% DN
REG I CASREP	REG I	CASREP	32	29.5	23.4	20.5	44.2	5/ 93	N/A	N/A	19% DN	40% DN
REG I CASREP	REG I	CASREP	32	29.5	23.4	20.5	44.2	5/ 93	N/A	N/A	18% DN	40% DN
TRANSP. MODE - SURFACE												
REG I	REG I	TPGS	7,091	40.3	22.9	32.5	58.8	0/ 99	N/A	29.4%	4% UP	22% UP
REG II	REG II	TPGS	64	35.9	15.3	29.4	51.3	15/ 86	N/A	46.9%	27% UP	N/A
REG III	REG III	TPGS	1,267	36.2	22.4	28.3	50.8	1/ 99	N/A	9.2%	31% DN	1% DN
REG I CASREP	REG I	CASREP	5,734	41.2	23.0	34.1	60.8	0/ 99	N/A	33.6%	11% UP	14% UP
REG I CASREP	REG I	CASREP	1	17.0	0.0	17.0	17.0	17/ 17	6	.0%	N/A	N/A
REG I CASREP	REG I	CASREP	1	17.0	0.0	17.0	17.0	17/ 17	6	.0%	N/A	N/A
TRANSP. MODE - LOCAL DELIVERY												
REG I	REG I	TPGS	1,250	53.5	23.2	52.4	74.5	1/ 99	N/A	11.9%	4% UP	17% DN
REG II	REG II	TPGS	24	27.5	23.8	19.7	23.8	6/ 91	N/A	N/A	5% UP	20% DN
REG III	REG III	TPGS	412	50.4	23.7	50.5	72.8	7/ 99	N/A	N/A	6% DN	18% DN
REG I CASREP	REG I	CASREP	798	56.0	22.3	55.7	77.0	1/ 99	N/A	18.9%	1% DN	20% DN
REG I CASREP	REG I	CASREP	4	22.7	5.5	22.0	22.7	22/ 23	2	.0%	N/A	N/A
REG I CASREP	REG I	CASREP	4	22.7	5.5	22.0	22.7	22/ 23	2	.0%	N/A	N/A

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

ISSUE DATE: 09/11/85
PERIOD: 01/1/85 TO 01/1/86

FLEET: 600 FLEET
CONSTRICTION: ATLANTIC SHIPS

ISSUE: 600 FLEET
CONSTRICTION: ATLANTIC SHIPS

TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

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TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

TRANS MODE: ALL SHIPS
ISSUE: 600 FLEET

PRIME TIME REPORTS
 TRANSPORTATION TIME REPORT FOR FLEETS
 TIME PERIOD OCT 1984 DEC 1984

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FLEET 600 FLEET
 COAST-GULF ATLANTIC SHIPS

DESCRIPTIVE STATISTICS
 NUMBER AVERAGE STANDARD DEVIATION MEDIAN PERCENT RANGE UNIMPS
 OF OR MEAN VALUE VALUE VALUE MIN/MAX STANDARD UNIMPS

% CHANGE IN MEAN
 LAST QTR SAME QTR LAST FOUR
 TO YR AGO TO QTRS TO
 THIS QTR THIS QTR THIS QTR

GRADE 514-01 USC/MSD
 TRANS MODE SURFACE

LEG 1	63	35.1	14.0	29.1	50.7	15/69	N/A	47.6%	25% UP	N/A	25% UP
LEG 11	1,243	36.4	22.3	28.5	50.9	1/99	N/A	9.1%	31% DN	47% UP	NO CHG
LEG 111	5,691	41.1	23.0	34.0	60.7	0/99	N/A	33.7%	11% UP	15% UP	14% UP
LEG CASREP	1	17.0	.0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
LEG 1 CASREP	1	17.0	.0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
TRANS MODE LOCAL DELIVERY											
LEG ALL IPGS	1,243	53.7	23.1	52.9	74.6	1/99	N/A	11.7%	4% UP	17% DN	1% UP
LEG 1	24	27.5	23.8	19.7	23.8	6/91	N/A	N/A	5% UP	20% DN	3% DN
LEG 11	410	50.5	23.7	50.9	72.9	7/99	N/A	N/A	5% DN	18% DN	21% UP
LEG 111	797	56.1	22.2	55.8	77.0	1/99	N/A	18.2%	1% DN	20% DN	30% DN
LEG CASREP	4	22.7	.5	22.0	22.7	22/23	2	.0%	N/A	N/A	N/A
LEG 1 CASREP	4	22.7	.5	22.0	22.7	22/23	2	.0%	N/A	N/A	N/A

ISSUE 514-01 ALL NAVY
 TRANS MODE ALL MODES

LEG ALL IPGS	31,896	34.0	19.7	27.6	41.1	0/99	N/A	7.0%	8% UP	2% DN	1% DN
LEG 1	3,005	29.2	16.4	25.0	34.4	3/99	N/A	1.0%	8% UP	2% DN	8% DN
LEG 11	18,332	31.2	17.6	26.8	35.3	1/99	N/A	7%	3% UP	12% DN	9% DN
LEG 111	9,389	39.5	22.4	30.8	57.7	0/99	N/A	22.1%	4% UP	6% DN	8% DN
LEG CASREP	37	28.5	21.9	21.4	34.2	5/93	N/A	N/A	2% DN	42% DN	16% DN
LEG 1 CASREP	37	28.5	21.9	21.4	34.2	5/93	N/A	N/A	2% DN	42% DN	16% DN
TRANS MODE AIR											
LEG ALL IPGS	23,541	31.1	17.2	26.5	35.7	1/99	N/A	.0%	5% UP	9% DN	5% DN
LEG 1	2,917	29.0	16.3	25.0	34.3	3/99	N/A	N/A	7% UP	2% DN	8% DN
LEG 11	16,650	30.3	16.6	26.5	34.4	1/99	N/A	.0%	4% UP	14% DN	10% DN
LEG 111	2,846	31.2	17.4	24.9	36.0	3/98	N/A	.0%	2% DN	2% DN	4% UP
LEG CASREP	32	29.5	23.4	20.5	44.2	5/93	N/A	N/A	19% DN	40% DN	14% DN
LEG 1 CASREP	32	29.5	23.4	20.5	44.2	5/93	N/A	N/A	18% DN	40% DN	13% DN
TRANS MODE SURFACE											
LEG ALL IPGS	7,091	40.3	22.9	32.5	58.8	0/99	N/A	29.4%	4% UP	22% UP	11% UP
LEG 1	64	35.9	15.3	29.4	51.3	15/86	N/A	46.9%	27% UP	N/A	27% UP
LEG 11	1,267	36.2	22.4	28.3	50.8	1/99	N/A	9.2%	31% DN	47% UP	1% DN
LEG 111	5,734	41.2	23.0	34.1	60.8	0/99	N/A	33.6%	11% UP	15% UP	14% UP
LEG CASREP	1	17.0	.0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
LEG 1 CASREP	1	17.0	.0	17.0	17.0	17/17	6	.0%	N/A	N/A	N/A
TRANS MODE LOCAL DELIVERY											
LEG ALL IPGS	1,250	53.5	23.2	52.4	74.5	1/99	N/A	11.9%	4% UP	17% DN	NO CHG
LEG 1	24	27.5	23.8	19.7	23.8	6/91	N/A	N/A	5% UP	20% DN	3% DN
LEG 11	412	50.4	23.7	50.5	72.8	7/99	N/A	N/A	6% DN	18% DN	21% UP
LEG 111	798	56.0	22.3	55.7	77.0	1/99	N/A	18.2%	1% DN	20% DN	30% DN
LEG CASREP	4	22.7	.5	22.0	22.7	22/23	2	.0%	N/A	N/A	N/A
LEG 1 CASREP	4	22.7	.5	22.0	22.7	22/23	2	.0%	N/A	N/A	N/A

PRIME FLEET PRIMIS
 PERIOD: Q1 1984
 TIME PERIOD: OCT 1984 DEC 1984

TRANSPORTATION TIME REPORT FOR FLEETS
 PRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS

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FLEET AND FLEET
 CONSISTENCY ALL CONSISTENCIES

DESCRIPTIVE STATISTICS
 NUMBER AVERAGE STANDARD
 OF OR MEAN DEVI- MEDIAN PERCENT RANGE UNMIPS
 RONS VALUE VALUE TIE MIN/MAX STANDARD UNMIPS

CHANGE IN MEAN
 LAST QTR SAME QTR LAST FOUR
 TO YR AGO TO QTRS TO
 THIS QTR THIS QTR THIS QTR

ISSUE	STRT	ALL	NAVA	IPAC	MODE	LOCAL	DELIVER
18	34.9	27.1	28.0	55.5	2/97	N/A	5.6%
3	22.0	12.1	26.5	28.0	8/29	N/A	11% DN
						N/A	24% DN
						N/A	16% DN

[illegible]

SHEET NO. 1			DESCRIPTIVE STATISTICS										% CHANGE IN MEAN															
OBSERVATIONS - ATLANTIC SHIPS			NUMBER		AVERAGE		STANDARD		DEVI		MEDIAN		PERCENT		75TH		RANGE		UNIMPS		% RONG		LAST QTR		SAME QTR		LAST FOUR	
			QNS	OF	OR	MEAN	VALUE	ATTN	VALUE	ATTN	VALUE	ATTN	VALUE	ATTN	MIN	MAX	STANDARD	UNIMPS	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	THIS QTR	
TEAMS MORE ALL SURFACE			4,877	63.7	23.2	73.5	80.4	3/99	N/A	0%	133% UP*	N/A	0%	93% UP*														
TEAMS MORE ALL SUBS			9	63.0	28.5	55.5	85.7	28/92	2	0%	55% UP	N/A	0%	54% UP*														
TEAMS MORE ALL IPGS			4,344	64.7	23.1	74.3	80.9	3/98	N/A	0%	144% UP*	N/A	0%	98% UP*														
TEAMS MORE ALL			524	55.9	22.5	55.7	73.5	15/99	N/A	0%	102% UP*	N/A	0%	71% UP*														
TEAMS MORE ALL			655	65.8	18.5	72.0	78.4	3/98	N/A	2%	78% UP*	N/A	2%	70% UP*														
TEAMS MORE ALL IPGS			9	63.0	28.5	55.5	85.7	28/92	2	0%	55% UP*	N/A	0%	54% UP*														
TEAMS MORE ALL			621	67.2	18.1	72.2	78.3	3/98	3	2%	81% UP*	N/A	2%	73% UP*														
TEAMS MORE ALL			25	58.0	21.5	62.4	70.2	27/90	3	0%	56% UP	N/A	0%	52% UP														
TEAMS MORE SURFACE			3,545	63.6	23.5	74.1	81.1	15/99	6	0%	132% UP*	N/A	0%	88% UP*														
TEAMS MORE ALL IPGS			3,191	64.7	23.5	74.9	81.6	17/94	6	0%	72% UP	N/A	0%	20% UP*														
TEAMS MORE ALL			354	54.3	21.2	54.9	69.5	15/99	6	0%	100% UP*	N/A	0%	73% UP*														
TEAMS MORE LOCAL COLLEGE			232	58.4	28.8	51.8	86.4	15/99	N/A	N/A	125% UP*	N/A	N/A	93% UP*														
TEAMS MORE ALL IPGS			123	61.3	29.7	54.1	88.4	21/98	3	0%	144% UP*	N/A	0%	105% UP*														
TEAMS MORE ALL			109	55.3	27.6	50.8	81.6	15/99	6	0%	95% UP*	N/A	0%	59% UP*														
TEAMS MORE ALL			355	55.0	29.1	45.4	83.7	15/99	N/A	N/A	112% UP*	N/A	N/A	76% UP*														
TEAMS MORE ALL IPGS			4	75.5	31.7	84.5	88.5	28/92	2	0%	173% UP	N/A	0%	98% UP*														
TEAMS MORE ALL			208	57.9	29.4	54.9	85.3	21/98	N/A	N/A	126% UP*	N/A	N/A	87% UP*														
TEAMS MORE ALL			143	50.2	28.1	41.4	69.6	15/99	6	0%	100% UP*	N/A	0%	67% UP*														
TEAMS MORE ALL			86	53.2	28.7	55.5	78.6	21/98	N/A	N/A	69% UP*	N/A	N/A	38% UP*														
TEAMS MORE ALL IPGS			4	75.5	31.7	84.5	88.5	28/92	2	0%	173% UP	N/A	0%	98% UP*														
TEAMS MORE ALL			82	52.1	28.3	48.0	77.4	21/98	3	0%	64% UP*	N/A	0%	36% UP*														
TEAMS MORE SURFACE			36	36.3	25.8	23.8	28.8	20/99	6	0%	55% UP*	N/A	0%	32% UP*														
TEAMS MORE ALL IPGS			2	83.5	9.2	80.5	85.5	77/90	6	0%	N/A	N/A	N/A	N/A														
TEAMS MORE ALL			34	34.1	23.8	23.6	26.3	20/99	6	0%	44% UP	N/A	0%	27% UP*														
TEAMS MORE LOCAL COLLEGE			232	58.4	28.8	51.8	86.4	15/99	N/A	N/A	125% UP*	N/A	N/A	93% UP*														
TEAMS MORE ALL IPGS			123	61.3	29.7	54.1	88.4	21/98	3	0%	144% UP*	N/A	0%	105% UP*														
TEAMS MORE ALL			109	55.3	27.6	50.8	81.6	15/99	6	0%	95% UP*	N/A	0%	59% UP*														
TEAMS MORE ALL			385	57.0	28.9	53.0	84.5	15/99	N/A	N/A	119% UP*	N/A	N/A	82% UP*														
TEAMS MORE ALL IPGS			5	69.8	30.2	82.5	87.5	28/92	2	0%	152% UP	N/A	0%	83% UP*														
TEAMS MORE ALL			236	60.8	28.7	71.1	86.2	21/98	N/A	N/A	137% UP*	N/A	0%	95% UP*														
TEAMS MORE ALL			144	50.2	28.0	41.6	69.2	15/99	6	0%	99% UP*	N/A	0%	63% UP*														
TEAMS MORE ALL			140	59.2	28.2	72.0	87.0	21/98	N/A	N/A	89% UP*	N/A	0%	52% UP*														

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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.....RRMIS II: TRANSPORTATION TIME REPORT -- FOR FLEETS.....

REPORT FILE	PRIMS
PERIODICITY	QUARTERLY
TIME PERIOD	OCT 1984
	OIC 1984

-----% CHANGE IN MEAN-----
LAST QTR SAME QTR LAST FOUR
TO YR AGO TO QTRS TO
THIS QTR THIS QTR THIS QTR

-----DESCRIPTIVE STATISTICS-----						
		751H			% RONS	
	NUMBER AVERAGE	STANDRO	OF OR MEAN	DEVI.	MEDIAN PERCN.	RANGE*
RONS	VALUE	ATTN	VALUE	TITLE	MIN/MAX	STANDARD WITHIN
1	100	100	100	100	100	100
2	90	90	90	90	90	90
3	80	80	80	80	80	80
4	70	70	70	70	70	70
5	60	60	60	60	60	60
6	50	50	50	50	50	50
7	40	40	40	40	40	40
8	30	30	30	30	30	30
9	20	20	20	20	20	20
10	10	10	10	10	10	10
11	0	0	0	0	0	0

FILED 2ND FLEET
CONSISTENT ATLANTIC SHIPS

TABLE CIP-11: ALL NAV.										
TRANC. MODE - AIR										
TRC 1	5	69.8	30.2	82.5	87.5	28/ 92	2	0%	152% UP	N/A
TRC 11	105	58.8	28.1	71.8	82.2	21/ 98	3	0%	86% UP*	N/A
TRANC. MODE - SURFACE										
TRC ALL PGS	42	42.1	27.7	24.5	71.5	20/ 99	6	0%	77% UP*	N/A
TRC 11	7	80.7	5.3	77.5	81.7	75/ 90	6	0%	N/A	N/A
TRC 111	35	34.4	23.4	23.7	27.6	20/ 99	6	0%	45% UP	N/A
TRANC. MODE - LOCAL NETWORK										
TRC ALL PGS	232	58.4	28.8	51.8	86.4	15/ 99	N/A	N/A	125% UP*	N/A
TRC 11	123	61.3	29.7	54.1	88.4	21/ 98	3	0%	144% UP*	N/A
TRC 111	109	55.3	27.6	50.8	81.6	15/ 99	6	0%	95% UP*	N/A

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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PRIMES II TRANSPORTATION TIME REPORT FOR FLEETS

PRIMES II TRANSPORTATION TIME REPORT FOR FLEETS

DESCRIPTIVE STATISTICS									
NUMBER	AVERAGE	STANDARD	DEVIATION	MEDIAN	PERCENT	RANGE	UMHIPS	% RUMS	LAST QTR
OF OR	MEAN	DEVIATION	VALUE	VALUE	MIN/MAX	STANDARD	UMHIPS	WITHIN	TO YR AGO TO
RONS	VALUE	ATTION	VALUE	VALUE	MIN/MAX	STANDARD	UMHIPS	UMHIPS	THIS QTR
41.781	32.9	21.9	27.3	43.1	0/99	N/A	3.6%	11% DN	19% DN
4.561	23.8	15.0	21.1	28.6	0/98	N/A	1.7%	61% DN	49% DN
28.395	35.4	22.5	30.4	46.9	0/99	N/A	1.9%	1% UP	2% DN
8.067	28.9	20.8	22.8	39.1	0/99	N/A	10.2%	23% DN	26% DN
116	31.7	23.9	22.3	39.4	1/97	N/A	2.0%	30% DN	21% DN
99	30.0	23.3	20.4	37.5	1/97	N/A	2.0%	6% UP	13% UP
17	41.5	25.6	34.2	64.2	8/81	N/A	N/A	1% UP	N/A
16.817	32.9	20.0	26.5	40.4	0/99	N/A	6%	8% DN	19% DN
2.420	24.1	14.5	21.5	28.2	1/98	N/A	1%	48% DN	21% DN
13.738	34.2	20.2	30.6	42.7	0/99	N/A	7%	6% UP	39% DN
255	37.0	26.5	28.1	48.4	5/99	N/A	N/A	15% DN	8% DN
93	31.4	23.8	20.8	39.2	1/94	N/A	1.1%	13% DN	21% DN
79	28.8	22.6	20.1	34.6	1/94	N/A	1.3%	17% UP	12% DN
14	45.7	26.0	40.5	68.0	10/81	N/A	N/A	12% UP	1% DN
6.041	35.1	20.4	30.4	43.7	0/99	N/A	10.4%	17% DN	28% DN
130	24.2	19.6	17.3	24.6	8/97	N/A	6.9%	72% DN	50% DN
2.438	38.6	19.7	35.7	44.7	0/98	N/A	7.3%	1% DN	66% DN
3.439	32.9	20.5	28.0	42.7	0/99	N/A	12.6%	17% DN	28% DN
2	30.0	11.3	30.5	37.0	22/38	6	0%	76% UP	13% DN
2	30.0	11.3	30.5	37.0	22/38	6	0%	76% UP	76% UP
18.608	32.0	23.8	24.3	44.8	0/99	N/A	4.1%	11% DN	3% DN
1.994	23.5	15.2	20.9	29.2	0/98	N/A	1.1%	59% DN	17% DN
11.964	35.8	25.2	28.1	54.4	0/99	N/A	2.2%	NO CHG	7% DN
4.332	25.1	19.8	17.2	34.0	0/99	N/A	9.0%	28% DN	31% DN
21	33.1	25.7	26.7	40.1	2/97	N/A	4.8%	39% DN	30% DN
18	34.9	27.1	28.0	55.5	2/97	N/A	5.6%	11% DN	24% DN
3	22.0	12.1	26.5	28.0	9/29	3	1.0%	N/A	16% DN
30.783	32.8	22.1	27.6	43.3	0/99	N/A	3.6%	5% DN	8% DN
3.044	24.5	16.3	21.2	29.8	0/98	N/A	1.9%	53% DN	14% DN
20.778	35.2	22.5	30.9	46.4	0/99	N/A	1.8%	9% UP	43% DN
6.283	28.2	21.2	21.6	39.2	0/99	N/A	9.8%	21% DN	7% DN
80	33.8	24.3	21.4	42.2	1/97	N/A	2.5%	28% DN	25% DN
67	33.7	24.8	25.0	41.1	1/97	N/A	3.0%	22% UP	18% DN
13	34.4	22.6	29.7	44.2	8/76	N/A	N/A	20% DN	1% DN
9.411	33.3	18.9	31.2	40.2	1/99	N/A	5%	1% UP	3% DN
1.008	26.4	17.5	22.2	31.5	1/98	N/A	3%	36% DN	13% DN
7.902	33.8	18.5	31.9	40.8	1/99	N/A	5%	22% UP	31% DN
173	42.2	28.7	37.9	61.2	5/99	N/A	N/A	2% DN	5% DN

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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PRIMIS II TRANSPORTATION TIME REPORT - FOR FLEETS

PRIMIS II PRIMIS
CENTRAL II, CHARTER
TIME REGION: D T 1984 DEC 1984

DESCRIPTIVE STATISTICS									
75TH									
NUMBER AVERAGE STANDARD									
OF OR MEAN DEVI									
PONS VALUE ATION VALUE									
RANGE = UNMIPS									
TITLE MIN/MAX STANDARD UNMIPS									
% CHANGES IN MEAN									
LAST QTR SAME QTR LAST FOUR									
TO YR AGO TO QTRS TO									
THIS QTR THIS QTR THIS QTR									
18	34.9	27.1	28.0	55.5	2/ 97	N/A	5.6%	11% DN	24% DN
3	22.0	12.1	26.5	28.0	8/ 29	3	0%	N/A	16% DN

ISSUE SET BY ALL NAVS
TRANSPORT LOCAL DELIVERY
TRC 1 CASREP
TRC 11 CASREP

-----% CHANGE IN MEAN-----
LAST QTR SAME QTR LAST FOUR
TO YR AGO TO QTRS TO
THIS QTR THIS QTR THIS QTR

DESCRIPTIVE STATISTICS									
NUMBER OF ROWS	AVERAGE OR MEAN VALUE	STANDARD DEVI- ATION	75TH PERCENTILE VALUE	RANGE MIN/MAX	UNIMPS STANDARD UNIMPS	UNIMPS STANDARD UNIMPS	UNIMPS STANDARD UNIMPS	UNIMPS STANDARD UNIMPS	% ROWS WITHIN UNIMPS

FILED - 700 FLEET
CONSIGNED ALL CONSIGNEES

ISSUE 31K 11 - ALL STX PTS
TRANSMODE ALL MODES
11G ALL IPGS

TRAN'S MODE - SURFACE

TEAM, PRIDE - LOCAL DELIVERY

ISSUE 316 P1 - PISC/N50
TRAN: MODF ALL MODES

TRAPS - AIR

INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

***** II. TRANSPORTATION TIME REPORT *****
***** FOR FLEETS *****

ISSUE STG. PT. NO. C/N/D
TRANSP. MODE - AIR
TRANSP. MODE - SURFACE
TRANSP. MODE - LOCAL DELIVERY
TRANSP. MODE - ALL MODES

ISSUE STG. PT. NO. C/N/D	TRANSP. MODE - AIR	TRANSP. MODE - SURFACE	TRANSP. MODE - LOCAL DELIVERY	TRANSP. MODE - ALL MODES	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN			
					NUMBER OF RONS	AVERAGE VALUE	STANDARD DEVIATION	75TH PERCENTILE	RANGE MIN/MAX	UMMIPS WITHIN STANDARD	% RONS WITHIN UMMIPS	LAST THIS QTR	SAME QTR THIS QTR	LAST FOUR QTRS TO THIS QTR				
48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	4% UP	8% UP	5% UP	N/A							
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A	N/A	N/A							
5,472	51.9	21.8	52.9	66.7	1/ 99	N/A	N/A	39.5% UP	53% UP	47% UP	N/A							
70	45.4	24.0	38.0	57.4	2/ 97	N/A	N/A	48.6% UP	104% UP	41% UP	N/A							
755	49.9	23.9	44.3	70.6	8/ 99	N/A	N/A	45.0% UP	42% UP	45% UP	N/A							
4,501	52.5	21.3	54.0	66.4	1/ 99	N/A	N/A	37.6% UP	57% UP	46% UP	N/A							
1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A							
1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A							
2,677	29.6	21.7	25.1	41.0	0/ 99	N/A	N/A	21.9% UP	7% UP	14% UP	N/A							
62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	53% UP	12% UP	44% UP	N/A							
1,087	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	1.6% UP	14% DN	1% DN	N/A							
1,362	31.5	21.9	27.5	43.7	0/ 99	N/A	N/A	34.3% UP	33% UP	26% UP	N/A							
3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A	N/A	N/A							
3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A	N/A	N/A							
21,869	39.4	22.4	31.1	54.6	0/ 99	N/A	N/A	12.8% UP	32% UP	26% UP	N/A							
2,417	35.4	24.9	23.8	50.2	2/ 99	N/A	N/A	5.5% UP	55% UP	5% UP	N/A							
7,242	35.7	23.1	27.0	48.0	0/ 99	N/A	N/A	5.6% UP	23% UP	1% UP	N/A							
10,842	41.3	21.1	33.9	66.5	0/ 99	N/A	N/A	20.0% UP	43% UP	31% UP	N/A							
55	34.7	23.7	25.1	50.9	2/ 94	N/A	N/A	1.8% UP	12% UP	3% UP	N/A							
52	34.2	21.5	25.5	50.5	2/ 82	N/A	N/A	1.9% UP	4% UP	6% UP	N/A							
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A	N/A	N/A							
13,661	36.2	20.6	28.3	48.0	0/ 99	N/A	N/A	.2% UP	25% UP	18% UP	N/A							
2,280	34.9	24.6	23.4	49.6	2/ 99	N/A	N/A	.0% UP	59% UP	1% UP	N/A							
5,373	35.6	22.3	26.7	47.5	0/ 99	N/A	N/A	.6% UP	31% UP	24% UP	N/A							
4,952	33.8	15.1	28.0	39.7	4/ 99	N/A	N/A	.0% UP	16% UP	11% UP	N/A							
51	34.5	22.6	24.4	50.9	7/ 94	N/A	N/A	N/A	11% UP	4% UP	N/A							
48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	N/A	4% UP	5% UP	N/A							
3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A	N/A	N/A							
5,520	51.9	21.9	52.9	66.9	1/ 99	N/A	N/A	39.5% UP	53% UP	47% UP	N/A							
72	45.6	24.6	38.0	58.0	2/ 97	N/A	N/A	48.6% UP	105% UP	41% UP	N/A							
775	49.9	24.1	44.3	71.0	8/ 99	N/A	N/A	45.0% UP	42% UP	45% UP	N/A							
4,523	52.5	21.3	54.0	66.5	1/ 99	N/A	N/A	37.6% UP	57% UP	46% UP	N/A							
1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A							
1	2.0	.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A							
2,679	29.6	21.7	25.1	41.1	0/ 99	N/A	N/A	21.9% UP	7% UP	14% UP	N/A							
62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	53% UP	12% UP	44% UP	N/A							
1,088	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	1.6% UP	14% DN	1% DN	N/A							

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

PRIMIS III: TRANSPORTATION TIME REPORT - FOR FLEETS

ISSUE CTR PL: MCC/NO
TRANSPORTATION TIME REPORT - FOR FLEETS
TIME PERIOD: OCT 1984 DEC 1984

ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	DESCRIPTIVE STATISTICS										% CHANGE IN MEAN			
			NUMBER OF RONS	AVERAGE STANDARD OF OR MEAN	DEVIATION	MEDIAN	PERCENT VALUE	RANGE	MIN/MAX	STANDARD	UNMIPS	THIS QTR	LAST QTR	SAME QTR	TO YR AGO	THIS QTR
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	N/A	4% UP	8% UP	5% UP	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	4% UP	8% UP	5% UP	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	5,472	51.9	21.8	52.9	66.7	1/ 99	N/A	N/A	N/A	53% UP*	35% UP	47% UP	41% UP	41% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	70	45.4	24.0	38.0	57.4	2/ 97	N/A	N/A	N/A	104% UP*	44% UP	41% UP	41% UP	41% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	755	49.9	23.9	44.3	70.6	8/ 99	N/A	N/A	N/A	45% UP	27% UP	41% UP	41% UP	41% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	4,501	52.5	21.3	54.0	66.4	1/ 99	N/A	N/A	N/A	57% UP*	34% UP	41% UP	41% UP	41% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	2,677	29.6	21.7	25.1	41.0	0/ 99	N/A	N/A	N/A	7% UP	24% DN	14% UP	14% UP	14% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	N/A	53% UP*	12% UP	44% UP	44% UP	44% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1,087	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	N/A	1.6% UP	47% DN	1% DN	1% DN	1% DN
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1,362	31.5	21.9	27.5	43.7	0/ 99	N/A	N/A	N/A	34.3% UP	11% UP	26% UP	26% UP	26% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	3	48.7	19.6	48.0	62.7	30/ 69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	21,869	39.4	22.4	31.1	54.6	0/ 99	N/A	N/A	N/A	12.8% UP	8% UP	26% UP	26% UP	26% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	2,417	35.4	24.9	23.8	50.2	2/ 99	N/A	N/A	N/A	1.5% UP	20% DN	5% UP	5% UP	5% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	7,242	35.7	23.1	27.0	48.0	0/ 99	N/A	N/A	N/A	5.6% UP	1% UP	19% UP	19% UP	19% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	10,842	41.3	21.1	33.9	56.5	0/ 99	N/A	N/A	N/A	20.0% UP	14% UP	31% UP	31% UP	31% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	55	34.7	22.7	25.1	50.9	2/ 94	N/A	N/A	N/A	1.8% UP	12% UP	5% UP	5% UP	5% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	52	34.2	21.5	25.5	50.5	2/ 82	N/A	N/A	N/A	1.9% UP	9% UP	6% UP	6% UP	6% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	13,661	36.2	20.6	28.3	48.0	0/ 99	N/A	N/A	N/A	2% UP	6% UP	18% UP	18% UP	18% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	2,280	34.9	24.6	23.4	49.6	2/ 99	N/A	N/A	N/A	0% UP	24% DN	1% UP	1% UP	1% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	5,373	35.6	22.3	26.7	47.5	0/ 99	N/A	N/A	N/A	6% UP	16% UP	24% UP	24% UP	24% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	4,952	33.8	15.1	28.0	39.7	4/ 99	N/A	N/A	N/A	0% UP	31% DN	11% UP	11% UP	11% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	51	34.5	22.6	24.4	50.9	7/ 94	N/A	N/A	N/A	11% UP	4% DN	4% UP	4% UP	4% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	48	34.0	21.2	24.8	50.5	7/ 82	N/A	N/A	N/A	4% UP	8% UP	5% UP	5% UP	5% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	3	41.7	45.3	16.0	84.0	15/ 94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	5,520	51.9	21.9	52.9	66.9	1/ 99	N/A	N/A	N/A	53% UP*	35% UP	47% UP	47% UP	47% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	72	45.6	24.6	38.0	58.0	2/ 97	N/A	N/A	N/A	105% UP*	45% UP	41% UP	41% UP	41% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	779	49.9	24.1	44.3	71.0	8/ 99	N/A	N/A	N/A	45.2% UP	27% UP	45% UP	45% UP	45% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	4,523	52.5	21.3	54.1	66.5	1/ 99	N/A	N/A	N/A	57% UP*	34% UP	46% UP	46% UP	46% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1	2.0	0.0	2.0	2.0	2/ 2	6	100.0%	N/A	N/A	N/A	N/A	N/A	N/A
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	2,679	29.6	21.7	25.1	41.1	0/ 99	N/A	N/A	N/A	7% UP	24% DN	14% UP	14% UP	14% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	62	40.7	31.9	23.0	63.0	9/ 99	N/A	N/A	N/A	53% UP*	12% UP	44% UP	44% UP	44% UP
ISSUE CTR PL: MCC/NO	TRANSPORTATION TIME REPORT - FOR FLEETS	TIME PERIOD: OCT 1984 DEC 1984	1,088	26.5	21.3	17.9	39.2	0/ 99	N/A	N/A	N/A	1.6% UP	47% DN	1% DN	1% DN	1% DN

* INDICATES A SIGNIFICANT CHANGE IN THE MEAN VALUE (WITH 90% CONFIDENCE)

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CODE (11, 5.
DATE 09/11/85

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

PRIMIS II PRIMIS
PRIMIS II PRIMIS
PRIMIS II PRIMIS

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

PRIMIS II TRANSPORTATION TIME REPORT FOR FLEETS

PRIMIS II PRIMIS
PRIMIS II PRIMIS
PRIMIS II PRIMIS

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CROSS REFERENCE INDEX
DATE 09/11/85

RRIMIS II: TRANSPORTATION TIME REPORT FOR FLEETS

THE FOLLOWING VARIABLES
ARE CONSIDERED
WITHIN A PAGE:
(#1) ISSUING STOCK POINT
(#2) TRANSPORTATION MODE
(#4) ISSUE PRIORITY GROUP

NOTE: AN ASTERISK
BELOW DENOTES THAT AT
LEAST ONE SIGNIFICANT
CHANGE IS ON THE PAGE.

NOTE: A MAXIMUM OF THREE VARIABLES
CAN BE CONSIDERED WITHIN A PAGE.
A MAXIMUM OF FOUR VARIABLES CAN BE
CONSIDERED AS PAGE IDENTIFYING VARIABLES.

THE CODE IDENTIFY THE
CROSS REFERENCE AS PAGE
IDENTIFYING VARIABLES
(PAGE) TIME
PAGE CODE

THE CODE IDENTIFY THE
CROSS REFERENCE AS PAGE
IDENTIFYING VARIABLES
(PAGE) TIME
PAGE CODE

PAGE	TIME	PAGE	CODE	PAGE	CODE
16	(1)	56	(10)	56	(10)
17	(1)	57	(10)	57	(10)
18	(1)	58	(10)	58	(10)
19	(1)	59	(10)	59	(10)
20	(1)	60	(11)	60	(11)
21	(1)	61	(11)	61	(11)
22	(1)	62	(11)	62	(11)
23	(1)	63	(11)	63	(11)
24	(1)	64	(11)	64	(11)
25	(1)	65	(11)	65	(11)
26	(1)				
27	(1)				
28	(1)				
29	(1)				
30	(1)				
31	(1)				
32	(1)				
33	(1)				
34	(1)				
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37	(1)				
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39	(1)				
40	(1)				
41	(1)				
42	(1)				
43	(1)				
44	(1)				
45	(1)				
46	(1)				
47	(1)				
48	(1)				
49	(1)				
50	(1)				
51	(1)				
52	(1)				
53	(1)				
54	(1)				
55	(1)				

APPENDIX C

LIST OF SURVEYED SHIPS

* Indicates Ship that Responded to Survey

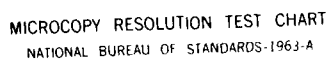
USS	FPO	ZIP
AINSWORTH (FF 1090)	NEW YORK	09564
ALAMO (LSD 33)	SAN FRANCISCO	96660
*ALBERT DAVID (FF 1050)	SAN FRANCISCO	96663
ALBUQUERQUE (SSN 706)	NEW YORK	09564
ALEXANDER HAMILTON (SSBN 617)	NEW YORK	09573
*ANCHORAGE (LSD 36)	SAN FRANCISCO	96660
ANDREW JACKSON (SSBN 619)	NEW YORK	09575
ANTRIM (FFG 20)	MIAMI	34090
ARCHERFISH (SSN 678)	NEW YORK	09564
ARKANSAS (CGN 41)	SAN FRANCISCO	96660
*ARTHUR W. RADFORD (DD 968)	NEW YORK	09586
ASPRO (SSN 648)	SAN FRANCISCO	96660
ATLANTA (SSN 712)	NEW YORK	09564
AUBREY FITCH (FFG 34)	MIAMI	34091
AUSTIN (LPD 4)	NEW YORK	09564
AYLWIN (FF 1081)	MIAMI	34090
*BADGER (FF 1071)	SAN FRANCISCO	96661
BAGLEY (FF 1069)	SAN FRANCISCO	96661
*BAINBRIDGE (CGN 25)	SAN FRANCISCO	96661
BALTIMORE (SSN 704)	NEW YORK	09565
BARB (SSN 596)	SAN FRANCISCO	96661
BARBEY (FF 1088)	SAN FRANCISCO	96661
BARBOUR COUNTY (LST 1195)	SAN FRANCISCO	96661
*BARNEY (DDG 6)	NEW YORK	09565
BARNSTABLE COUNTY (LST 1197)	NEW YORK	09565
BATFISH (SSN 681)	MIAMI	34090
BATON ROUGE (SSN 689)	NEW YORK	09565
BEAUFORT (ATS 2)	SAN FRANCISCO	96661
*BELKNAP (CG 26)	NEW YORK	09565
BENJAMIN FRANKLIN (SSBN 640)	MIAMI	34091
BENJAMIN STODDERT (DDG 22)	SAN FRANCISCO	96678
BERGALL (SSN 667)	NEW YORK	09565
BERKELEY (DDG 15)	SAN FRANCISCO	96661
BIDDLE (CG 34)	NEW YORK	09565
BILLFISH (SSN 676)	NEW YORK	09565
BIRMINGHAM (SSN 695)	NEW YORK	09565
BLAKELY (FF 1072)	MIAMI	34090
BLUE RIDGE (LCC 19)	SAN FRANCISCO	96628
BLUEFISH (SSN 675)	NEW YORK	09565
BOONE (FFG 28)	MIAMI	34093
BOSTON (SSN 703)	NEW YORK	09565
BOULDER (LST 1190)	NEW YORK	09565

3/3

F/G 15/5

NL

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	
2000	2001	2002	2003																																																																																																	



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

BOWEN (FF 1079)	MIAMI	34090
*BRADLEY (FF 1041)	SAN FRANCISCO	96661
BREMERTON (SSN 698)	SAN FRANCISCO	96661
*BREWTON (FF 1086)	SAN FRANCISCO	96661
BRISCOE (DD 977)	NEW YORK	09565
*BRISTOL COUNTY (LST 1198)	SAN FRANCISCO	96661
BRONSTEIN (FF 1037)	SAN FRANCISCO	96661
BROOKE (FFG 1)	SAN FRANCISCO	96661
BRUMBY (FF 1044)	MIAMI	34090
BRUNSWICK (ATS 3)	SAN FRANCISCO	96661
BUCHANAN (DDG 14)	SAN FRANCISCO	96661
BUFFALO (SSN 715)	SAN FRANCISCO	96661
BUTTE (AE 27)	NEW YORK	09565
CALIFORNIA (CGN 36)	SAN FRANCISCO	96662
CALLAGHAN (DDG 994)	SAN FRANCISCO	96662
*CALOOSAHATCHEE (AO 98)	NEW YORK	09566
CAMDEN (AOE 2)	SAN FRANCISCO	96662
CANISTEO (AO 99)	NEW YORK	09566
*CAPODANNO (FF 1093)	NEW YORK	09566
*CARON (DD 970)	NEW YORK	09566
CASIMIR PULASKI (SSBN 633)	MIAMI	34092
CAVALLA (SSN 684)	SAN FRANCISCO	96662
CAYUGA (LST 1186)	SAN FRANCISCO	96662
*CHANDLER (DDG 996)	SAN FRANCISCO	96662
CHARLES F. ADAMS (DDG 2)	MIAMI	34090
*CHARLESTON (LKA 113)	NEW YORK	09566
*CIMARRON (AO 177)	SAN FRANCISCO	96662
CINCINNATI (SSN 693)	NEW YORK	09566
CITY OF CORPUS CHRISTI (SSN 705)	NEW YORK	09566
*CLARK (FFG 11)	MIAMI	34090
*CLAUDE V. RICKETTS (DDG 5)	NEW YORK	09586
CLEVELAND (LPD 7)	SAN FRANCISCO	96662
CLIFTON SPRAGUE (FFG 16)	MIAMI	34093
COCHRANE (DDG 21)	SAN FRANCISCO	96662
COMTE DE GRASSE (DD 974)	NEW YORK	09566
*CONNOLE (FF 1056)	NEW YORK	09566
CONOLLY (DD 979)	NEW YORK	09566
CONYNGHAM (DDG 17)	NEW YORK	09566
COOK (FF 1083)	SAN FRANCISCO	96662
COONTZ (DDG 40)	NEW YORK	09566
*COPELAND (FFG 25)	SAN FRANCISCO	96662
CORONADO (AGF 11)	NEW YORK	09566
*CROMMELIN (FFG 37)	SAN FRANCISCO	96662
CURTS (FFG 38)	SAN FRANCISCO	96662
*CUSHING (DD 985)	SAN FRANCISCO	96662
DACE (SSN 607)	NEW YORK	09567
DAHLGREN (DDG 43)	NEW YORK	09567
DALE (CG 19)	MIAMI	34090
*DALLAS (SSN 700)	NEW YORK	09567
DANIEL BOONE (SSBN 629)	MIAMI	34090
DANIEL WEBSTER (SSBN 626)	NEW YORK	09591

*DAVID R. RAY (DD 971)	SAN FRANCISCO	96677
*DAVIDSON (FF 1045)	SAN FRANCISCO	96663
*DENVER (LPD 9)	SAN FRANCISCO	96663
*DETROIT (AOE 4)	NEW YORK	09567
DEWERT (FFG 45)	MIAMI	34090
DEWEY (DDG 45)	MIAMI	34090
DEYO (DD 989)	MIAMI	34090
DONALD B. BEARY (FF 1085)	NEW YORK	09565
DOWNES (FF 1070)	SAN FRANCISCO	96663
DOYLE (FFG 39)	MIAMI	34090
DRUM (SSN 677)	SAN FRANCISCO	96663
*DUBUQUE (LPD 8)	SAN FRANCISCO	96663
DULUTH (LPD 6)	SAN FRANCISCO	96663
DUNCAN (FFG 10)	SAN FRANCISCO	96663
DURHAM (LKA 114)	SAN FRANCISCO	96663
EDENTON (ATS 1)	NEW YORK	09568
EDSON (DD 946)	NEW YORK	09568
*EDWARD MCDONNELL (FF 1043)	MIAMI	34092
EL PASO (LKA 117)	NEW YORK	09568
*ELLIOT (DD 967)	SEATTLE	98799
ELMER MONTGOMERY (FF 1082)	MIAMI	34092
*ENGLAND (CG 22)	SAN FRANCISCO	96664
*ESTOCIN (FFG 15)	MIAMI	34091
*FAHRION (FFG 22)	MIAMI	34091
*FAIRFAX COUNTY (LST 1193)	NEW YORK	09569
*FANNING (FF 1076)	SAN FRANCISCO	96665
FARRAGUT (DDG 37)	NEW YORK	09569
FIFE (DD 991)	SAN FRANCISCO	96665
FINBACK (SSN 670)	NEW YORK	09569
FLASHER (SSN 613)	SAN FRANCISCO	96665
FLATLEY (FFG 21)	MIAMI	34091
FLETCHER (DD 992)	SAN FRANCISCO	96665
*FLINT (AE 32)	SAN FRANCISCO	96665
*FLORIDA (SSBN 728)	SEATTLE	98799
FLORIKAN (ASR 9)	SAN FRANCISCO	96665
FLYING FISH (SSN 673)	NEW YORK	09569
*FORT FISHER (LSD 40)	SAN FRANCISCO	96675
*FOX (CG 33)	SAN FRANCISCO	96665
*FRANCIS HAMMOND (FF 1067)	SAN FRANCISCO	96667
FRANCIS SCOTT KEY (SSBN 657)	MIAMI	34091
*FREDERICK (LST 1184)	SAN FRANCISCO	96665
*FRESNO (LST 1182)	SAN FRANCISCO	96665
GALLERY (FFG 26)	MIAMI	34091
*GARCIA (FF 1040)	MIAMI	34091
GATO (SSN 615)	NEW YORK	09570
GEORGE BANCROFT (SSBN 643)	MIAMI	34090
GEORGE C. MARSHALL (SSBN 654)	NEW YORK	09578
*GEORGE PHILIP (FFG 12)	SAN FRANCISCO	96675
*GEORGE WASHINGTON (SSN 598)	NEW YORK	09591
GEORGE W. CARVER (SSBN 656)	NEW YORK	09566
*GEORGIA (SSBN 729)	SEATTLE	98799

GERMANTOWN (LSD 42)	SEATTLE	98134
GLOVER (FF 1098)	NEW YORK	09570
*GOLDSBOROUGH (DDG 20)	SAN FRANCISCO	96666
GRAY (FF 1054)	SAN FRANCISCO	96666
GRAYLING (SSN 646)	MIAMI	34091
GREENLING (SSN 614)	NEW YORK	09570
GRIDLEY (CG 21)	SAN FRANCISCO	96666
GROTON (SSN 694)	NEW YORK	09570
GUARDFISH (SSN 612)	SAN FRANCISCO	96666
GUIARRO (SSN 665)	SAN FRANCISCO	96666
GURNARD (SSN 662)	SAN FRANCISCO	96666
HADDO (SSN 604)	SAN FRANCISCO	96667
*HADDOCK (SSN 621)	SAN FRANCISCO	96667
HALEAKALA (AE 25)	SAN FRANCISCO	96667
HALL (FF 1080)	MIAMI	34092
*HALSEY (CG 23)	SAN FRANCISCO	96667
*HALYBURTON (FFG 40)	MIAMI	34091
HAMMERHEAD (SSN 663)	NEW YORK	09573
HARLAN COUNTY (LST 1196)	NEW YORK	09573
HAROLD E. HOLT (FF 1074)	SAN FRANCISCO	96667
HARRY E. YARNELL (CG 17)	NEW YORK	09594
HARRY W. HILL (DD 986)	SAN FRANCISCO	96667
HAWKBILL (SSN 666)	SEATTLE	98799
*HAYLER (DD 997)	NEW YORK	09573
HENRY B. WILSON (DDG 7)	SAN FRANCISCO	96683
HENRY CLAY (SSBN 625)	MIAMI	34090
*HENRY L. STIMSON (SSBN 655)	MIAMI	34093
*HEPBURN (FF 1055)	SAN FRANCISCO	96667
*HERMITAGE (LSD 34)	NEW YORK	09573
*HEWITT (DD 966)	SAN FRANCISCO	96667
*HOEL (DDG 13)	SAN FRANCISCO	96667
*HORNE (CG 30)	SAN FRANCISCO	96667
HOUSTON (SSN 713)	SAN FRANCISCO	96667
INDIANAPOLIS (SSN 697)	SAN FRANCISCO	96668
INGERSOLL (DD 990)	SAN FRANCISCO	96668
*IOWA (BB 61)	NEW YORK	09587
*JACK WILLIAMS (FFG 24)	MIAMI	34093
JACK (SSN 605)	NEW YORK	09575
JACKSONVILLE (SSN 699)	NEW YORK	09575
JAMES K. POLK (SSBN 645)	MIAMI	34092
JAMES MADISON (SSBN 627)	MIAMI	34092
JAMES MONROE (SSBN 622)	MIAMI	34092
JARRETT (FFG 33)	SAN FRANCISCO	96669
*JESSE L. BROWN (FF 1089)	MIAMI	34090
JOHN A. MOORE (FFG 19)	SAN FRANCISCO	96672
JOHN ADAMS (SSBN 620)	MIAMI	34093
JOHN C. CALHOUN (SSBN 630)	MIAMI	34090
JOHN HANCOCK (DD 981)	MIAMI	34091
JOHN KING (DDG 3)	NEW YORK	09595
*JOHN L. HALL (FFG 32)	MIAMI	34091
JOHN MARSHALL (SSN 611)	SEATTLE	98799

JOHN RODGERS (DD 983)	MIAMI	34092
JOHN YOUNG (DD 973)	SAN FRANCISCO	96686
JOSEPH HEWES (FF 1078)	MIAMI	34091
*JOSEPH STRAUSS (DDG 16)	SAN FRANCISCO	96678
JOSEPHUS DANIELS (CG 27)	NEW YORK	09567
*JOUETT (CG 29)	SAN FRANCISCO	96669
*JULIUS A. FURER (FFG 6)	MIAMI	34091
*JUNEAU (LPD 10)	SAN FRANCISCO	96669
KALAMAZOO (AOR 6)	NEW YORK	09576
KAMEHAMEHA (SSBN 642)	NEW YORK	09576
KANSAS CITY (AOR 3)	SAN FRANCISCO	96670
KIDD (DDG 993)	NEW YORK	09576
KING (DDG 41)	NEW YORK	09576
KINKAID (DD 965)	SAN FRANCISCO	96670
*KIRK (FF 1087)	SAN FRANCISCO	96670
KISKA (AE 35)	SAN FRANCISCO	96670
KITTYWAKE (ASR 13)	NEW YORK	09576
KLAKRING (FFG 42)	MIAMI	34091
KNOX (FF 1052)	SAN FRANCISCO	96670
KOELSCH (FF 1049)	MIAMI	34091
LA JOLLA (SSN 701)	SAN FRANCISCO	96671
*LA MOURE COUNTY (LST 1194)	NEW YORK	09577
LA SALLE (AGF 3)	NEW YORK	09577
LAFAYETTE (SSBN 616)	NEW YORK	09577
LANG (FF 1060)	SAN FRANCISCO	96671
LAPON (SSN 661)	NEW YORK	09577
LAWRENCE (DDG 4)	NEW YORK	09577
*LEAHY (CG 16)	SAN FRANCISCO	96671
*LEFTWICH (DD 984)	SAN FRANCISCO	96671
LEONARD P. LIPSCOMB (SSN 685)	NEW YORK	09577
LEWIS AND CLARK (SSBN 644)	MIAMI	34091
LEWIS B. PULLER (FFG 23)	SAN FRANCISCO	96675
LEXINGTON (AVT 16)	MIAMI	34088
LOCKWOOD (FF 1064)	SAN FRANCISCO	96671
LONG BEACH (CGN 9)	SEATTLE	98799
LOS ANGELES (SSN 688)	SAN FRANCISCO	96671
LUCE (DDG 38)	MIAMI	34091
LYNDE MC CORMICK (DDG 8)	SAN FRANCISCO	96672
L. MENDEL RIVERS (SSN 686)	MIAMI	34092
*MACDONOUGH (DDG 39)	MIAMI	34092
*MAHAN (DDG 42)	MIAMI	34092
MAHLON S. TISDALE (FFG 27)	SAN FRANCISCO	96679
*MANITIWOC (LST 1180)	NEW YORK	09578
MARIANO G. VALLEJO (SSBN 658)	MIAMI	34093
*MARVIN SHIELDS (FF 1066)	SAN FRANCISCO	96678
*MAUNA KEA (AE 22)	SAN FRANCISCO	96672
MC CLOY (FF 1038)	NEW YORK	09578
MC CLUSKY (FFG 41)	SAN FRANCISCO	96672
MC INERNEY (FFG 8)	MIAMI	34092
MCCANDLESS (FF 1084)	NEW YORK	09578
MEMPHIS (SSN 691)	NEW YORK	09578

MERRILL (DD 976)	SAN FRANCISCO	96672
MERRIMACK (AO 179)	NEW YORK	09578
MEYERKORD (FF 1058)	SAN FRANCISCO	96672
MICHIGAN (SSBN 727)	SEATTLE	98799
*MILLER (FF 1091)	NEW YORK	09578
MILWAUKEE (AOR 2)	NEW YORK	09578
MINNEAPOLIS-ST PAUL (SSN 708)	NEW YORK	09578
*MISSISSIPPI (CGN 40)	NEW YORK	09578
MOBILE (LKA 115)	SAN FRANCISCO	96672
*MOINESTER (FF 1097)	NEW YORK	09578
MONONGAHELA (AO 178)	NEW YORK	09578
*MONTICELLO (LSD 35)	SAN FRANCISCO	96672
*MOOSEBRUGGER (DD 980)	MIAMI	34092
MOUNT BAKER (AE 34)	MIAMI	34092
MOUNT HOOD (AE 29)	SAN FRANCISCO	96672
*MOUNT VERNON (LSD 39)	SAN FRANCISCO	96672
MOUNT WHITNEY (LCC 20)	NEW YORK	09517
*NARWHAL (SSN 671)	MIAMI	34092
*NASHVILLE (LPD 13)	NEW YORK	09579
NATHAN HALE (SSBN 623)	MIAMI	34091
NATHANIEL GREENE (SSBN 636)	NEW YORK	09570
*NEW JERSEY (BB 62)	SAN FRANCISCO	96688
NEW YORK CITY (SSN 696)	SAN FRANCISCO	96673
*NEWPORT (LST 1179)	NEW YORK	09579
*NICHOLAS (FFG 47)	MIAMI	34092
NICHOLSON (DD 982)	MIAMI	34092
*NITRO (AE 23)	NEW YORK	09579
NORFOLK (SSN 714)	NEW YORK	09579
NORTON SOUND (AVM 1)	SAN FRANCISCO	96673
O CALLAHAN (FF 1051)	SAN FRANCISCO	96674
OBANNON (DD 987)	MIAMI	34092
*OBRIEN (DD 975)	SAN FRANCISCO	96674
*OGDEN (LPD 5)	SAN FRANCISCO	96674
OHIO (SSBN 726)	SEATTLE	98799
OLDENDORF (DD 972)	SAN FRANCISCO	96674
*OLIVER HAZARD PERRY (FFG 7)	MIAMI	34092
*OMAHA (SSN 692)	SAN FRANCISCO	96674
ORTOLAN (ASR 22)	MIAMI	34092
*OUELLET (FF 1077)	SAN FRANCISCO	96674
PARCHE (SSN 683)	SAN FRANCISCO	96675
*PARGO (SSN 650)	NEW YORK	09582
*PATTERSON (FF 1061)	NEW YORK	09582
*PAUL F. FOSTER (DD 964)	SAN FRANCISCO	96665
PENSACOLA (LSD 38)	NEW YORK	09582
PEORIA (LST 1183)	SAN FRANCISCO	96675
PERMIT (SSN 594)	SAN FRANCISCO	96675
PETERSON (DD 969)	NEW YORK	09582
PETREL (ASR 14)	MIAMI	34092
PHARRIS (FF 1094)	NEW YORK	09582
PHILADELPHIA (SSN 690)	NEW YORK	09582
PHOENIX (SSN 702)	NEW YORK	09582

PIGEON (ASR 21)	SAN FRANCISCO	96675
PINTADO (SSN 672)	SAN FRANCISCO	96675
PLATTE (AO 186)	NEW YORK	09582
PLUNGER (SSN 595)	SAN FRANCISCO	96675
POGY (SSN 647)	SAN FRANCISCO	96675
*POINT LOMA (AGDS 2)	SAN FRANCISCO	96675
POLLACK (SSN 603)	SAN FRANCISCO	96675
*PONCE (LPD 15)	NEW YORK	09582
PORTLAND (LSD 37)	NEW YORK	09582
PORTSMOUTH (SSN 707)	NEW YORK	09582
PREBLE (DDG 46)	NEW YORK	09582
PUFFER (SSN 652)	SAN FRANCISCO	96675
PYRO (AE 24)	SAN FRANCISCO	96675
QUEENFISH (SSN 651)	SAN FRANCISCO	96676
*RACINE (LST 1191)	SAN FRANCISCO	96677
RALEIGH (LPD 1)	NEW YORK	09586
RAMSEY (FFG 2)	SAN FRANCISCO	96677
RATHBURNE (FF 1057)	SAN FRANCISCO	96677
RAY (SSN 653)	MIAMI	34092
REASONER (FF 1063)	SAN FRANCISCO	96677
REEVES (CG 24)	SAN FRANCISCO	96677
REID (FFG 30)	SAN FRANCISCO	96677
*RICHARD B. RUSSELL (SSN 687)	NEW YORK	09586
RICHARD E. BYRD (DDG 23)	NEW YORK	09565
RICHARD L. PAGE (FFG 5)	NEW YORK	09582
RICHMOND K TURNER (CG 20)	MIAMI	34093
ROANOKE (AOR 7)	SAN FRANCISCO	96677
*ROARK (FF 1053)	SAN FRANCISCO	96677
ROBERT E. PEARY (FF 1073)	SAN FRANCISCO	96675
*ROBISON (DDG 12)	SAN FRANCISCO	96677
*SACRAMENTO (AOE 1)	SEATTLE	98799
*SAGINAW (LST 1188)	NEW YORK	09587
*SAM HOUSTON (SSN 609)	SEATTLE	98799
SAM RAYBURN (SSBN 635)	NEW YORK	09586
SAMPLE (FF 1048)	SAN FRANCISCO	96678
*SAMPSON (DDG 10)	MIAMI	34093
*SAMUEL E. MORISSON (FFG 13)	MIAMI	34092
SAN BERNARDINO (LST 1189)	SAN FRANCISCO	96678
SAN FRANCISCO (SSN 711)	SAN FRANCISCO	96678
SAND LANCE (660)	MIAMI	34093
SANTA BARBARA (AE 28)	MIAMI	34093
SARGO (SSN 583)	SAN FRANCISCO	96678
SAVANNAH (AOR 4)	NEW YORK	09587
SCAMP (SSN 588)	NEW YORK	09587
SCHENECTADY (LST 1185)	SAN FRANCISCO	96678
*SCHOFIELD (FFG 3)	SAN FRANCISCO	96678
*SCOTT (DDG 995)	NEW YORK	09587
SCULPIN (SSN 590)	NEW YORK	09587
SEA DEVIL (SSN 664)	MIAMI	34093
SEAHORSE (SSN 669)	MIAMI	34093
SEATTLE (AOE 3)	NEW YORK	09587

SEAWOLF (SSN 575)	SAN FRANCISCO	96678
*SELLERS (DDG 11)	MIAMI	34093
SEMMES (DDG 18)	MIAMI	34093
SHARK (SSN 591)	NEW YORK	09587
*SHASTA (AE 33)	SAN FRANCISCO	96678
*SHREVEPORT (LPD 12)	NEW YORK	09587
*SIDES (FFG 14)	SAN FRANCISCO	96678
SILVERSIDES (SSN 679)	NEW YORK	09587
SIMON BOLIVAR (SSBN 641)	MIAMI	34090
SKATE (SSN 578)	SAN FRANCISCO	96678
SKIPJACK (SSN 585)	NEW YORK	09587
SNOOK (SSN 592)	NEW YORK	09587
SOUTH CAROLINA (CGN 37)	NEW YORK	09587
SPADEFISH (SSN 668)	NEW YORK	09587
*SPARTANBURG COUNTY (LST 1192)	NEW YORK	09587
*SPIEGEL GROVE (LSD 32)	NEW YORK	09587
*SPRUANCE (DD 963)	NEW YORK	09587
*ST LOUIS (LKA 116)	SAN FRANCISCO	96678
*STARK (FFG 31)	MIAMI	34093
STEIN (FF 1065)	SAN FRANCISCO	96678
*STEPHEN W. GROVES (FFG 29)	MIAMI	34091
*STERETT (CG 31)	SAN FRANCISCO	96678
STONEWALL JACKSON (SSBN 634)	MIAMI	34091
STUMP (DD 978)	NEW YORK	09587
*STURGEON (SSN 637)	MIAMI	34093
SUMTER (LST 1181)	NEW YORK	09587
SUNBIRD (ASR 15)	NEW YORK	09587
SUNFISH (SSN 649)	MIAMI	34093
SURIBACHI (AE 21)	NEW YORK	09587
SWORDFISH (SSN 579)	SAN FRANCISCO	96678
TALBOT (FFG 4)	MIAMI	34093
TATTNALL (DDG 19)	MIAMI	34093
TAUTOG (SSN 639)	SAN FRANCISCO	96679
TECUMSEH (SSBN 628)	NEW YORK	09588
*TEXAS (CGN 39)	SAN FRANCISCO	96679
THACH (FFG 43)	SAN FRANCISCO	96674
THOMAS C. HART (FF 1092)	NEW YORK	09573
*THOMAS JEFFERSON (SSN 618)	MIAMI	34081
THORN (DD 988)	MIAMI	34093
TICONDEROGA (CG 47)	NEW YORK	09588
TINOSA (SSN 606)	NEW YORK	09588
TOWERS (DDG 9)	SAN FRANCISCO	96679
TRAPANG (SSN 674)	NEW YORK	09588
*TRENTON (LPD 14)	NEW YORK	09588
TRIPPE (FF 1075)	MIAMI	34093
TRUETT (FF 1095)	NEW YORK	09588
*TRUXTUN (CGN 35)	SAN FRANCISCO	96679
TULLIBEE (SSN 597)	NEW YORK	09588
TUNNEY (SSN 682)	SAN FRANCISCO	96679
TUSCALOOSA (LST 1187)	SAN FRANCISCO	96679
ULYSSES S. GRANT (SSBN 631)	NEW YORK	09570

UNDERWOOD (FFG 36)	MIAMI	34093
*VALDEZ (FF 1096)	NEW YORK	09590
*VANCOUVER (LPD 2)	SAN FRANCISCO	96682
VANDEGRIFT (FFG 48)	SAN FRANCISCO	96674
VIRGINIA (CGN 38)	NEW YORK	09590
VOGE (FF 1047)	MIAMI	34093
VON STEUBEN (SSBN 632)	MIAMI	34093
*VREELAND (FF 1068)	MIAMI	34093
WABASH (AOR 5)	SAN FRANCISCO	96683
WADDELL (DDG 24)	SAN FRANCISCO	96683
WADSWORTH (FFG 9)	SAN FRANCISCO	96683
WAINWRIGHT (CG 28)	MIAMI	34093
*WHALE (SSN 638)	NEW YORK	09591
WHIDBEY ISLAND (LSD 41)	SEATTLE	98115
WHIPPLE (FF 1062)	SAN FRANCISCO	96683
WICHITA (AOR 1)	SAN FRANCISCO	96683
WILL ROGERS (SSBN 659)	NEW YORK	09586
*WILLAMETTE (AO 180)	SAN FRANCISCO	96683
WILLIAM H STANDLEY (CG 32)	SAN FRANCISCO	96678
WILLIAM H. BATES (SSN 680)	SAN FRANCISCO	96661
*WILLIAM V. PRATT (DDG 44)	MIAMI	34092
WOODROW WILSON (SSBN 624)	MIAMI	34093
WORDEN (CG 18)	SAN FRANCISCO	96683
W. S. SIMS (FF 1059)	MIAMI	34093

APPENDIX D
FLEET SURVEY DATA

CODE	LEGEND
S	Service: V = Atlantic, R = Pacific
UIC	Unit Identification Code of Ship
REQ	Requisition Date
SER	Serial Number of Requisition: W = CASREP
PD	Priority Designator: 01 - 13
G	Issue Priority Group: 1 - 3
REC	Receipt Date
SHP	Ship Date
M	Mode of Shipment - see Fig. IV-2
STK	Issuing Stock Point - see Fig. IV-3
I	Integrated Logistics Overhaul: Yes or No
D	Deployed: Yes or No
TRT	Transportation Time: REC minus SHP
RQT	Total Requisition Time: REC minus REQ

S	UIC	TYP	REQ	SER	PD	G	REC	SHP	M	STK	I	D	TRT	RQT
V	968	FFG	4279	A053	2	1	4283	4283	X	NBZ	N	Y	0	4
V	2968	FFG	4277	A029	12	3	4286	4285	X	NBZ	N	Y	1	9
R	3062	BB	4278	0007	6	2	4298	4288	9	NDZ	N	N	10	20
R	3062	BB	4278	0022	13	3	4303	4298	9	NDZ	N	N	5	25
R	3062	BB	4278	0026	13	3	4303	4298	9	NDZ	N	N	5	25
R	3062	BB	4291	0474	6	2	4352	4302	9	NDZ	N	N	50	61
R	3062	BB	4290	0374	6	2	4305	4300	9	NDZ	N	N	5	15
R	3062	BB	4278	0005	6	2	4298	4288	9	NDZ	N	N	10	20
R	3062	BB	4278	0024	13	3	4303	4298	9	NDZ	N	N	5	25
R	3062	BB	4278	0023	13	3	4319	4298	9	NDZ	N	N	21	41
R	3062	BB	4278	0025	13	3	4303	4295	9	NDZ	N	N	8	25
R	3062	BB	4278	0011	6	2	4303	4288	9	NDZ	N	N	15	25
V	3132	LSD	4278	0014	6	2	5072	5072	9	NNI	N	N	0	160
R	3135	LSD	4310	0607	6	2	4325	4320	9	NDZ	N	N	5	15
R	3135	LSD	4310	0643	13	3	4331	4328	9	NDZ	N	N	3	21
R	3135	LSD	4321	0912	13	3	4359	4351	9	NDZ	N	N	8	38
R	3135	LSD	4297	0401	6	2	4300	4298	U	NPZ	N	N	2	3
R	3135	LSD	4297	0422	13	3	4325	4321	9	NDZ	N	N	4	28
R	3135	LSD	4285	0205	13	3	4331	4314	9	NDZ	N	N	17	46
R	3135	LSD	4310	0616	6	2	4331	4320	9	NDZ	N	N	11	21
R	3135	LSD	4357	1069	13	3	5021	5018	9	NDZ	N	N	3	30
R	3135	LSD	4284	W023	6	2	4325	4289	U	NZY	N	N	36	41
R	3135	LSD	4292	W393	6	2	4299	4298	U	NPZ	N	N	1	7
V	4677	DDG	4275	A003	5	2	4289	4278	G	NNZ	N	Y	11	14
V	4677	DDG	4275	A001	5	2	4284	4276	G	NNZ	N	Y	8	9
V	4677	DDG	4283	W187	2	1	4305	4284	G	SUC	N	Y	21	22
V	4677	DDG	4275	A004	5	2	4285	4276	G	NNZ	N	Y	9	10
V	4677	DDG	4279	A121	2	1	4338	4303	U	NNZ	N	Y	35	59
V	4677	DDG	4283	A186	2	1	4306	4297	U	NNZ	N	Y	9	23
V	4677	DDG	4275	A002	5	2	4285	4279	G	NNZ	N	Y	6	10
V	4677	DDG	4279	A136	12	3	4325	4283	9	NRZ	N	Y	42	46
V	4677	DDG	4275	A007	5	2	4289	4276	G	NNZ	N	Y	13	14
V	4677	DDG	4279	A138	12	3	4325	4283	9	NRZ	N	Y	42	46
V	4677	DDG	4279	A122	2	1	4338	4299	U	NNZ	N	Y	39	59
V	4677	DDG	4279	A125	12	3	4325	4283	G	NRZ	N	Y	42	46
V	4677	DDG	4282	A185	2	1	4356	4348	G	P58	N	Y	8	74
V	4677	DDG	4279	A135	12	3	4325	4283	9	NRZ	N	Y	42	46
V	4677	DDG	4279	A124	12	3	4320	4283	G	NRZ	N	Y	37	41
V	4699	FFG	4277	W001	2	1	4285	4279	F	NNZ	N	Y	6	8
V	4699	FFG	4280	A005	5	2	4305	4280	H	NNZ	N	Y	25	25
V	4699	FFG	4287	A013	12	3	5018	4290	9	NRZ	N	Y	94	97
V	4699	FFG	4287	A011	12	3	5018	4290	9	NRZ	N	Y	94	97
V	4699	FFG	4287	A015	12	3	4319	4292	H	NUZ	N	Y	27	32
V	4699	FFG	4287	A014	12	3	4319	4293	G	S9C	N	Y	26	32
V	4699	FFG	4284	W007	2	1	4305	4285	F	NDZ	N	Y	20	21
V	4699	FFG	4287	A010	12	3	4307	4292	H	S9I	N	Y	15	20
V	4699	FFG	4287	A012	5	2	4306	4288	H	NNZ	N	Y	18	19
V	4699	FFG	4287	A021	5	2	4356	4288	U	NNG	N	Y	68	69

V	4699	FFG	4287	A016	5	2	4365	4351	H	NOZ	N	Y	14	78
V	4699	FFG	4287	A020	5	2	4331	4325	H	S9E	N	Y	6	44
R	5117	SSN	4275	0015	13	3	4285	4277	9	NUZ	N	N	8	10
R	5117	SSN	4289	0044	6	2	4296	4290	9	NUZ	N	N	6	7
R	5117	SSN	4275	0014	13	3	4285	4276	9	N66	N	N	9	10
R	5117	SSN	4275	0013	13	3	4285	4277	9	NUZ	N	N	8	10
R	5117	SSN	4276	0028	6	2	4277	4276	9	N66	N	N	1	1
R	5117	SSN	4291	0048	6	2	4320	4299	9	N66	N	N	21	29
R	5117	SSN	4289	0043	6	2	4320	4300	G	N77	N	N	20	31
R	5117	SSN	4275	0016	13	3	4285	4277	9	NUZ	N	N	8	10
R	5117	SSN	4276	0027	6	2	4277	4276	9	N66	N	N	1	1
R	5127	SSN	4341	0082	6	2	5010	4349	9	NOZ	Y	N	27	35
R	5127	SSN	4289	0018	13	3	4332	4295	9	NOZ	Y	N	37	43
R	5127	SSN	4341	0083	6	2	5010	4349	9	NOZ	Y	N	27	35
R	5127	SSN	4341	0081	6	2	5010	4349	9	NOZ	Y	N	27	35
R	5127	SSN	4341	0080	6	2	5010	4349	9	NOZ	Y	N	27	35
R	5127	SSN	4289	0019	13	3	4312	4295	9	NOZ	Y	N	17	23
R	5127	SSN	4289	0017	13	3	4332	4295	9	NOZ	Y	N	37	43
R	5127	SSN	4341	0084	6	2	5021	4349	9	NOZ	Y	N	38	46
R	5127	SSN	4284	0015	13	3	4312	4292	9	NOZ	Y	N	20	28
R	5127	SSN	4284	0014	13	3	4352	4292	9	NOZ	Y	N	60	68
V	5130	SSN	4300	0528	2	1	4324	4307	U	NNC	N	Y	17	24
V	5130	SSN	4300	0529	2	1	4310	4306	U	S9C	N	Y	4	10
V	5130	SSN	4310	0643	12	3	4311	4311	9	NRZ	N	Y	0	1
V	5130	SSN	4331	0700	12	3	4342	4326	9	NRZ	N	Y	16	11
V	5130	SSN	4300	0526	2	1	4301	4300	9	NRZ	N	Y	1	1
V	5130	SSN	4300	0552	5	2	4324	4314	H	NNC	N	Y	10	24
V	5130	SSN	4331	0696	12	3	4331	4331	9	NRZ	N	Y	0	0
V	5130	SSN	4314	0690	12	3	4342	4335	G	NOZ	N	Y	7	28
V	5130	SSN	4300	0535	5	2	4324	4313	G	S9C	N	Y	11	24
V	5130	SSN	4331	0699	12	3	4345	4343	9	NRZ	N	Y	2	14
V	5130	SSN	4300	0540	5	2	4306	4305	9	NRZ	N	Y	1	6
V	5130	SSN	4300	0530	2	1	4306	4306	9	NRZ	N	Y	0	6
V	5130	SSN	4300	0544	5	2	4306	4305	9	NRZ	N	Y	1	6
V	5130	SSN	4305	0584	5	2	4325	4325	9	NRZ	N	Y	0	20
V	5131	SSN	4278	0058	2	1	4279	4278	R	NNZ	N	N	1	1
V	5131	SSN	4275	0050	12	3	5116	5053	G	GSA	N	N	63	207
V	5131	SSN	4283	0099	5	2	4298	4286	9	NIZ	N	N	12	15
V	5131	SSN	4283	0283	12	3	4321	4320	9	NIZ	N	N	1	38
V	5131	SSN	4283	0091	5	2	4298	4286	9	NIZ	N	N	12	15
V	5131	SSN	4275	0036	12	3	4328	4323	G	GSA	N	N	5	53
V	5131	SSN	4277	W055	2	1	4279	4278	R	S9C	N	N	1	2
V	5131	SSN	4275	0054	2	1	4298	4275	U	NNZ	N	N	23	23
V	5131	SSN	4283	0284	12	3	4319	4314	9	NIZ	N	N	5	36
V	5131	SSN	4283	0079	5	2	4298	4286	9	NIZ	N	N	12	15
V	5131	SSN	4275	0037	12	3	4298	4289	9	NIZ	N	N	9	23
V	5131	SSN	4278	0062	2	1	4280	4279	U	NRZ	N	N	1	2
V	5131	SSN	4279	0069	5	2	4283	4279	9	NIZ	N	N	4	4
V	5131	SSN	4283	0073	5	2	4298	4286	9	NIZ	N	N	12	15
V	5131	SSN	4279	W065	2	1	4280	4280	9	NIZ	N	N	0	1

V	5137	SSN	4311	0340	2	1	4313	4312	U	NNZ	N	N	1	2
V	5137	SSN	4298	W002	2	1	4299	4299	U	NRZ	N	N	0	1
V	5137	SSN	4284	W001	2	1	4299	4288	U	NNZ	N	N	11	15
V	5137	SSN	4287	0003	5	2	4306	4287	9	NIZ	N	N	19	19
V	5137	SSN	4287	0008	2	1	4299	4288	U	NIZ	N	N	11	12
V	5137	SSN	4287	0004	5	2	4299	4289	H	S9C	N	N	10	12
V	5137	SSN	4296	0023	12	3	4310	4305	9	NIZ	N	N	5	14
V	5137	SSN	4289	0014	5	2	4306	4289	S	NKZ	N	N	17	17
V	5137	SSN	4289	0012	5	2	4299	4291	H	S9C	N	N	8	10
V	5137	SSN	4296	0017	12	3	4319	4313	H	SCC	N	N	6	23
V	5137	SSN	4296	0024	12	3	4310	4305	9	NIZ	N	N	5	14
V	5137	SSN	4290	0013	2	1	4301	4290	9	NIZ	N	N	11	11
V	5137	SSN	4296	0022	12	3	4310	4305	9	NIZ	N	N	5	14
V	5137	SSN	4296	0020	5	2	4307	4304	9	NIZ	N	N	3	11
R	5842	LKA	4276	W010	2	1	4298	4280	F	NVZ	N	Y	18	22
R	5847	LKA	4276	W009	2	1	5037	5018	H	S9E	N	Y	19	127
R	5847	LKA	4276	W012	2	1	5011	4355	F	S9G	N	Y	22	101
R	5847	LKA	4277	0019	12	3	4296	4289	S	NZZ	N	Y	7	19
R	5847	LKA	4276	W008	2	1	4298	4280	Q	SBG	N	Y	18	22
R	5847	LKA	4277	0028	5	2	5006	4279	P	SBC	N	Y	93	95
R	5847	LKA	4276	W011	2	1	4298	4280	F	NNG	N	Y	18	22
R	5847	LKA	4277	0016	12	3	4297	4289	S	NZZ	N	Y	8	20
R	5847	LKA	4277	0015	12	3	4309	4291	V	NOZ	N	Y	18	32
R	5847	LKA	4277	0013	12	3	4297	4289	S	NZZ	N	Y	8	20
R	5847	LKA	4277	0027	5	2	5101	5090	H	S9G	N	Y	11	190
R	5847	LKA	4277	0030	5	2	4296	4281	S	NZZ	N	Y	15	19
R	5847	LKA	4277	0014	12	3	4303	4289	S	NZZ	N	Y	14	26
R	5847	LKA	4277	0029	5	2	4297	4282	H	NOG	N	Y	15	20
R	5847	LKA	4277	0026	5	2	5144	5137	G	S9C	N	Y	7	233
R	7171	LPD	4277	0055	12	3	4320	4296	9	NDZ	N	N	24	43
R	7171	LPD	4277	0097	12	3	4295	4293	9	NDZ	N	N	2	18
R	7171	LPD	4276	0030	12	3	4325	4321	9	NDZ	N	N	4	49
R	7171	LPD	4277	0054	12	3	4288	4283	9	NDZ	N	N	5	11
R	7171	LPD	4276	0051	5	2	4288	4284	9	NDZ	N	N	4	12
R	7171	LPD	4276	0006	5	2	4307	4297	H	NNZ	N	N	10	31
R	7171	LPD	4277	0062	5	2	4288	4281	H	NNZ	N	N	7	11
R	7171	LPD	4276	0029	12	3	4318	4307	9	NDZ	N	N	11	42
R	7171	LPD	4277	0055	5	2	4320	4296	9	NDZ	N	N	24	43
R	7171	LPD	4275	0001	5	2	4305	4294	H	NNZ	N	N	11	30
R	7184	LPD	4313	0703	5	2	4326	4319	H	NOZ	N	Y	7	13
R	7184	LPD	4313	0697	5	2	4324	4319	H	NOZ	N	Y	5	11
R	7184	LPD	4345	1195	12	3	5018	4356	G	NOZ	N	Y	28	39
R	7184	LPD	4353	W345	2	1	5003	4359	F	NDZ	N	Y	10	16
R	7184	LPD	4303	0571	5	2	4310	4308	H	NNZ	N	Y	2	7
R	7184	LPD	4303	0598	12	3	4338	4316	G	NOZ	N	Y	22	35
R	7184	LPD	4277	0063	12	3	4302	4302	9	NDZ	N	Y	0	25
R	7184	LPD	4348	1278	5	2	4361	4355	H	NOZ	N	Y	6	13
R	7184	LPD	4313	0718	12	3	4353	4329	G	NOZ	N	Y	24	40
R	7184	LPD	4345	1193	5	2	4357	4352	H	NOZ	N	Y	5	12
R	7184	LPD	4351	W321	2	1	5003	4358	F	NOZ	N	Y	11	18

R	7184	LPD	4330	W058	2	1	4347	4337	U	N35	N	Y	10	17
R	7184	LPD	4286	0196	12	3	4310	4304	G	NOZ	N	Y	6	24
R	7184	LPD	4353	W373	2	1	5003	4363	F	NOZ	N	Y	6	16
R	7184	LPD	4325	W035	2	1	4347	4337	F	NOZ	N	Y	10	22
V	7201	LPD	4290	0041	6	2	4303	4300	U	NNG	N	N	3	13
V	7201	LPD	4290	0053	6	2	4303	4295	U	S9M	N	N	8	13
V	7201	LPD	4283	0009	13	3	4296	4292	U	NNT	N	N	4	13
V	7201	LPD	4290	0040	6	2	4301	4300	U	S9G	N	N	1	11
V	7201	LPD	4283	0005	13	3	4289	4285	U	NNZ	N	N	4	6
V	7201	LPD	4290	0044	6	2	4303	4298	U	NNZ	N	N	5	13
V	7201	LPD	4283	0008	13	3	4296	4292	U	NNT	N	N	4	13
V	7201	LPD	4283	0006	13	3	4290	4286	U	NNZ	N	N	4	7
V	7201	LPD	4276	0001	6	2	4276	4276	U	NNZ	N	N	0	0
V	7201	LPD	4283	0007	13	3	4302	4299	U	NNT	N	N	3	19
R	8822	AE	4277	0016	13	3	4311	4292	9	NOI	N	N	19	34
R	8822	AE	4277	0017	13	3	4319	4292	9	NOG	N	N	27	42
R	8822	AE	4277	0019	6	2	4312	4291	9	NOI	N	N	21	35
R	8822	AE	4277	0018	6	2	4299	4291	9	NOC	N	N	8	22
R	8822	AE	4277	0021	13	3	4320	4292	9	NOG	N	N	28	43
R	8822	AE	4277	0011	6	2	4316	4291	9	NOE	N	N	25	39
R	8822	AE	4275	0002	6	2	4300	4293	N	NDZ	N	N	7	25
R	8822	AE	4277	0020	13	3	4319	4292	9	NOC	N	N	27	42
R	8822	AE	4277	0012	6	2	4314	4291	9	NOE	N	N	23	37
V	20019	LST	4283	A040	6	2	4318	4307	H	NNC	Y	N	11	35
V	20019	LST	4290	A052	6	2	4293	4292	A	NRZ	Y	N	1	3
V	20019	LST	4278	0033	13	3	4305	4285	A	NRZ	Y	N	20	27
V	20019	LST	4310	0243	13	3	5014	4331	A	S9I	Y	N	49	70
V	20019	LST	4278	0023	13	3	4290	4283	A	NRZ	Y	N	7	12
V	20019	LST	4298	0177	13	3	4310	4300	A	NRZ	Y	N	10	12
V	20019	LST	4286	A045	6	2	4291	4286	A	NRZ	Y	N	5	5
V	20019	LST	4293	0163	13	3	4318	4296	A	NRZ	Y	N	22	25
V	20019	LST	4276	A001	6	2	5058	5048	A	S9I	Y	N	10	148
V	20019	LST	4278	A011	6	2	4293	4283	A	NRZ	Y	N	10	15
R	20030	LST	4291	0168	13	3	5017	4323	G	NFZ	Y	N	60	92
R	20030	LST	4310	0553	13	3	4353	4341	U	NDZ	Y	N	12	43
R	20030	LST	4306	0547	6	2	4354	4325	U	NDZ	Y	N	29	48
R	20030	LST	4290	0115	13	3	4322	4318	U	NDZ	Y	N	4	32
R	20030	LST	4366	0985	6	2	5079	5011	U	NDZ	Y	N	68	79
R	20030	LST	4276	0008	13	3	4312	4310	J	NDZ	Y	N	2	36
R	20030	LST	4276	0010	6	2	4298	4297	J	NDZ	Y	N	1	22
R	20030	LST	4276	0011	13	3	4321	4314	U	NDZ	Y	N	7	45
R	20030	LST	4289	0097	6	2	5029	5016	U	NDZ	Y	N	13	106
R	20030	LST	4290	0161	6	2	4332	4305	U	NDZ	Y	N	27	42
R	20114	AE	4341	1923	3	1	4341	4341	X	NOZ	N	N	0	0
R	20114	AE	4316	W437	3	1	5002	4341	U	NRZ	N	N	27	52
R	20114	AE	4275	0022	13	3	4324	4289	9	NOZ	N	N	35	49
R	20114	AE	4275	0002	6	2	4317	4308	H	NNZ	N	N	9	42
R	20114	AE	4275	0003	6	2	4303	4298	H	SUG	N	N	5	28
R	20114	AE	4275	0005	6	2	4289	4277	B	NOZ	N	N	12	14
R	20114	AE	4275	0023	13	3	4363	4352	G	SMG	N	N	11	88

R	20114	AE	4275	0001	6	2	4289	4277	B	NOZ	N	N	12	14
R	20114	AE	4275	0021	13	3	4299	4289	9	NOZ	N	N	10	24
R	20114	AE	4275	0027	13	3	4289	4278	9	NOZ	N	N	11	14
R	20114	AE	4275	0024	13	3	4299	4284	9	NOZ	N	N	15	24
R	20114	AE	4275	0004	6	2	4289	4277	B	NOZ	N	N	12	14
V	20574	DD	4275	A004	12	3	4306	4289	H	SUI	N	Y	17	31
V	20574	DD	4275	A005	12	3	5123	4282	H	SUI	N	Y	207	214
V	20574	DD	4276	W182	2	1	4286	4280	9	NNZ	N	Y	6	10
V	20574	DD	4275	A003	12	3	4289	4279	9	NNT	N	Y	10	14
V	20574	DD	4276	W184	2	1	4285	4280	9	NNZ	N	Y	5	9
V	20574	DD	4276	W179	2	1	5130	5108	H	SSC	N	Y	22	220
V	20574	DD	4276	W183	2	1	4301	4280	9	NNZ	N	Y	21	25
V	20574	DD	4275	A001	12	3	4292	4279	9	NNG	N	Y	13	17
V	20574	DD	4276	A160	5	2	4319	4279	9	NNZ	N	Y	40	43
V	20574	DD	4275	A002	12	3	4293	4279	9	NNT	N	Y	14	18
V	20574	DD	4276	A159	5	2	4291	4279	9	NNZ	N	Y	12	15
V	20574	DD	4275	A135	5	2	4293	4279	9	NNC	N	Y	14	18
V	20574	DD	4276	A157	5	2	4297	4279	9	NNZ	N	Y	18	21
V	20574	DD	4276	A158	5	2	4291	4279	9	NNZ	N	Y	12	15
V	20574	DD	4276	W181	2	1	4308	4280	9	NNZ	N	Y	28	32
R	20617	DD	4290	W123	2	1	4303	4292	H	SUI	N	Y	11	13
R	20617	DD	4307	0286	12	3	5009	4309	G	NOZ	N	Y	66	68
R	20617	DD	4284	0070	5	2	4308	4299	H	SBI	N	Y	9	24
R	20617	DD	4306	0223	12	3	4317	4308	H	NPZ	N	Y	9	11
R	20617	DD	4280	D012	2	1	4347	4300	H	NRZ	N	Y	47	67
R	20617	DD	4307	0284	12	3	4337	4309	A	NOZ	N	Y	28	30
R	20617	DD	4284	0072	5	2	4318	4284	H	NPZ	N	Y	34	34
R	20617	DD	4284	0069	5	2	4293	4285	H	NOZ	N	Y	8	9
R	20617	DD	4284	0066	5	2	5108	4285	H	NOZ	N	Y	189	190
R	20617	DD	4307	0291	12	3	4312	4309	G	NOZ	N	Y	3	5
R	20617	DD	4348	0542	13	3	5014	4353	9	NDZ	N	Y	27	32
R	20617	DD	4282	W058	2	1	4292	4284	H	NDZ	N	Y	8	10
R	20617	DD	4290	W124	2	1	4303	4292	H	SUI	N	Y	11	13
R	20617	DD	4284	0071	5	2	4318	4284	H	NPZ	N	Y	34	34
R	20617	DD	4290	W125	2	1	4317	4290	H	NPZ	N	Y	27	27
R	20682	CGN	4277	0033	12	3	4290	4286	9	NDZ	N	Y	4	13
R	20682	CGN	4276	W004	2	1	4287	4283	H	NOZ	N	Y	4	11
R	20682	CGN	4290	W009	2	1	4305	4298	F	NOZ	N	Y	7	15
R	20682	CGN	4329	W019	2	1	4338	4331	F	NVZ	N	Y	7	9
R	20682	CGN	4278	0061	12	3	4300	4290	9	NDZ	N	Y	10	22
R	20682	CGN	4277	0037	5	2	4290	4279	9	NDZ	N	Y	11	13
R	20682	CGN	4277	0028	5	2	4286	4279	9	NDZ	N	Y	7	9
R	20682	CGN	4277	0031	12	3	4290	4286	9	NDZ	N	Y	4	13
R	20682	CGN	4332	W020	2	1	4343	4334	F	NVZ	N	Y	9	11
R	20682	CGN	4328	W018	2	1	5003	4329	F	NVZ	N	Y	40	41
R	20682	CGN	4277	0054	5	2	4283	4279	9	NDZ	N	Y	4	6
R	20682	CGN	4277	0034	5	2	4286	4279	9	NDZ	N	Y	7	9
R	20682	CGN	4277	0030	5	2	4286	4279	9	NDZ	N	Y	7	9
R	20682	CGN	4278	0065	12	3	4303	4291	G	NOZ	N	Y	12	25
R	20682	CGN	4277	0032	12	3	4305	4284	G	SMI	N	Y	21	28

R	20783	SSN	4300	E008	2	1	4318	4312	H	FAJ	N	Y	6	18
R	20783	SSN	4276	W003	2	1	4286	4276	F	NNZ	N	Y	10	10
R	20783	SSN	4276	E002	2	1	4285	4276	F	NNZ	N	Y	9	9
V	20964	FFG	4276	A004	6	2	4307	4288	H	NNZ	N	N	19	31
V	20964	FFG	4283	W015	3	1	4285	4284	U	NBZ	N	N	1	2
V	20964	FFG	4285	0038	13	3	4297	4291	G	NBZ	N	N	6	12
V	20964	FFG	4279	0012	13	3	4356	4300	G	NBZ	N	N	56	77
V	20964	FFG	4287	W048	3	1	4296	4293	U	NNI	N	N	3	9
V	20964	FFG	4276	A006	6	2	4320	4281	6	SUC	N	N	39	44
V	20964	FFG	4277	A009	6	2	4291	4287	H	Q86	N	N	4	14
V	20964	FFG	4285	W040	3	1	4288	4288	J	NBZ	N	N	0	3
V	20964	FFG	4284	A032	13	3	4298	4292	X	NBZ	N	N	6	14
V	20964	FFG	4285	0047	13	3	4299	4296	X	NBZ	N	N	3	14
V	20964	FFG	4287	W049	3	1	4287	4287	X	NBZ	N	N	0	0
V	20964	FFG	4275	A001	6	2	4275	4275	X	NBZ	N	N	0	0
V	20964	FFG	4287	W053	3	1	4296	4293	H	SUI	N	N	3	9
V	20964	FFG	4285	0048	13	3	4293	4292	X	NBZ	N	N	1	8
V	20964	FFG	4277	A003	6	2	4277	4277	X	NBZ	N	N	0	0
V	20966	FFG	4297	A260	3	1	4297	4297	F	NBZ	N	Y	0	0
V	20966	FFG	4276	A002	12	3	4307	4276	F	NNZ	N	Y	31	31
V	20966	FFG	4276	A004	12	3	4306	4276	G	NNZ	N	Y	30	30
V	20966	FFG	4280	W041	2	1	4308	4281	F	NNZ	N	Y	27	28
V	20966	FFG	4280	W044	2	1	4305	4281	F	NNZ	N	Y	24	25
V	20966	FFG	4276	A008	12	3	4303	4276	G	NNZ	N	Y	27	27
V	20966	FFG	4276	A018	5	2	5002	4363	H	NDZ	N	Y	5	92
V	20966	FFG	4276	A009	5	2	4300	4276	H	NNZ	N	Y	24	24
V	20966	FFG	4276	A003	5	2	4309	4276	H	NNZ	N	Y	33	33
V	20966	FFG	4280	W042	2	1	4308	4281	F	NNZ	N	Y	27	28
V	20966	FFG	4276	A016	5	2	4307	4276	H	NNZ	N	Y	31	31
R	20967	FFG	4279	0022	13	3	4304	4289	9	NDZ	N	N	15	25
R	20967	FFG	4279	0025	13	3	4304	4289	9	NDZ	N	N	15	25
R	20967	FFG	4279	0029	6	2	4312	4286	H	NNZ	N	N	26	33
R	20967	FFG	4286	W015	3	1	4296	4290	R	S9G	N	N	6	10
R	20967	FFG	4279	0028	6	2	4299	4282	H	NOZ	N	N	17	20
R	20967	FFG	4279	0038	6	2	4298	4284	H	SUC	N	N	14	19
R	20967	FFG	4283	A003	3	1	4307	4287	9	NDZ	N	N	20	24
R	20967	FFG	4279	0021	13	3	4305	4287	G	NOZ	N	N	18	26
R	20967	FFG	4277	A002	3	1	5064	5033	9	NDZ	N	N	31	153
R	20967	FFG	4279	0026	6	2	4306	4283	9	NDZ	N	N	23	27
R	20967	FFG	4279	0023	13	3	4304	4289	9	NDZ	N	N	15	25
R	20967	FFG	4279	0024	13	3	4304	4289	9	NDZ	N	N	15	25
R	20967	FFG	4279	0030	6	2	4313	4298	H	NNZ	N	N	15	34
V	20968	FFG	4277	A030	12	3	4286	4283	X	NBZ	N	Y	3	9
V	20968	FFG	4277	A031	12	3	4290	4285	H	NDZ	N	Y	5	13
V	20968	FFG	4277	A032	12	3	4286	4285	X	NBZ	N	Y	1	9
V	20968	FFG	4276	A001	2	1	4276	4276	X	NBZ	N	Y	0	0
V	20968	FFG	4284	A070	2	1	4284	4284	X	NBZ	N	Y	0	0
V	20968	FFG	4276	A008	5	2	4290	4283	X	NBZ	N	Y	7	14
V	20968	FFG	4277	A026	12	3	4286	4283	X	NBZ	N	Y	3	9
R	20978	FFG	4324	W559	3	1	4328	4326	9	NDZ	N	N	2	4

R	20978	FFG	5080	4381	13	3	5119	5104	9	NDZ	N	N	15	39
R	20978	FFG	5191	6110	6	2	5224	5221	H	NNZ	N	N	3	33
R	20978	FFG	5190	6093	6	2	5205	5197	A	SCI	N	N	8	15
R	20978	FFG	5080	4380	13	3	5155	5135	G	S9G	N	N	20	75
R	20978	FFG	5080	4382	13	3	5119	5104	9	NDZ	N	N	15	39
R	20978	FFG	4324	W546	3	1	4328	4326	H	NOZ	N	N	2	4
R	20978	FFG	4324	W557	3	1	4328	4326	I	NDZ	N	N	2	4
R	20978	FFG	4286	W031	3	1	4296	4296	I	NDZ	N	N	0	10
R	20978	FFG	5191	6109	6	2	5206	5201	A	SUE	N	N	5	15
R	20978	FFG	5190	6091	6	2	5209	5199	A	SUI	N	N	10	19
R	20978	FFG	4324	W558	3	1	4328	4328	F	NOZ	N	N	0	4
R	20978	FFG	5080	4389	13	3	5113	5105	A	SBG	N	N	8	33
R	20978	FFG	5080	4379	13	3	5124	5109	G	S9G	N	N	15	44
R	20978	FFG	5190	6092	6	2	5219	5199	9	NDZ	N	N	20	29
V	21056	FFG	4279	W065	2	1	4308	4286	F	R37	N	Y	22	29
V	21056	FFG	4331	0628	13	3	4346	4332	X	NBZ	N	Y	14	15
V	21056	FFG	4297	W208	2	1	4307	4300	F	NNZ	N	Y	7	10
V	21056	FFG	4275	A003	5	2	4301	4295	H	NNZ	N	Y	6	26
V	21056	FFG	4297	W209	2	1	4307	4300	F	NNZ	N	Y	7	10
V	21056	FFG	4275	A002	5	2	4289	4281	H	NNZ	N	Y	8	14
V	21056	FFG	4331	0627	13	3	4339	4337	G	NNZ	N	Y	2	8
V	21056	FFG	4295	W206	2	1	4303	4300	F	S9E	N	Y	3	8
V	21056	FFG	4297	W207	2	1	4307	4300	F	NNZ	N	Y	7	10
V	21056	FFG	4331	0625	13	3	4345	4332	X	NBZ	N	Y	13	14
V	21056	FFG	4331	0630	13	3	4345	4332	X	NBZ	N	Y	13	14
V	21056	FFG	4275	A004	5	2	4308	4295	H	NNZ	N	Y	13	33
V	21056	FFG	4275	A005	5	2	4309	4279	F	NOZ	N	Y	30	34
V	21056	FFG	4275	A001	5	2	4293	4281	H	NNZ	N	Y	12	18
V	21056	FFG	4331	0629	13	3	4345	4332	X	NBZ	N	Y	13	14
R	21104	FFG	4277	W034	6	2	4290	4285	U	NDZ	N	Y	5	13
R	21104	FFG	4284	W125	3	1	4307	4295	U	SRE	N	Y	12	23
R	21104	FFG	4278	0048	6	2	4306	4295	U	NOZ	N	Y	11	28
R	21104	FFG	4278	W044	6	2	4290	4285	U	NDZ	N	Y	5	12
R	21104	FFG	4321	W481	2	1	4333	4324	U	NDZ	N	Y	9	12
R	21104	FFG	4278	0042	6	2	4320	4287	U	NDZ	N	Y	33	42
R	21104	FFG	4276	0028	13	3	4321	4299	U	NDZ	N	Y	22	45
R	21104	FFG	4325	W580	2	1	4342	4336	U	SRE	N	Y	6	17
R	21104	FFG	4321	W480	2	1	4329	4326	U	NOZ	N	Y	3	8
R	21104	FFG	4275	0013	13	3	4307	4296	U	NDZ	N	Y	11	32
R	21104	FFG	4275	0017	13	3	4307	4296	U	NDZ	N	Y	11	32
R	21104	FFG	4353	W742	2	1	4362	4353	U	NOZ	N	Y	9	9
R	21104	FFG	4278	W045	6	2	4306	4292	U	NOZ	N	Y	14	28
R	21104	FFG	4275	0015	13	3	4307	4296	U	NDZ	N	Y	11	32
R	21104	FFG	4275	0047	13	3	4307	4296	U	NDZ	N	Y	11	32
V	21416	DD	4276	A016	12	3	4291	4290	G	NNI	N	Y	1	15
V	21416	DD	4276	W001	2	1	4278	4277	F	NNZ	N	Y	1	2
V	21416	DD	4296	W006	2	1	4309	4299	G	SRE	N	Y	10	13
V	21416	DD	4306	W007	2	1	4314	4310	F	NNI	N	Y	4	8
V	21416	DD	4349	W012	2	1	5005	4351	H	NDZ	N	Y	20	22
V	21416	DD	4276	A018	12	3	4307	4285	H	SUI	N	Y	22	31

V	21416	DD	4276	A015	12	3	4291	4290	G	NNI	N	Y	1	15
V	21416	DD	4276	A014	12	3	4292	4290	G	NNZ	N	Y	2	16
V	21416	DD	4352	W013	2	1	4359	4355	F	NVZ	N	Y	4	7
V	21416	DD	4276	A008	5	2	4285	4282	G	SUE	N	Y	3	9
V	21416	DD	4275	A005	5	2	4280	4239	G	SUC	N	Y	41	77
V	21416	DD	4276	A007	5	2	4285	4282	G	SUE	N	Y	3	9
V	21416	DD	4275	A006	5	2	4280	4277	F	NNC	N	Y	3	5
V	21416	DD	4276	A013	12	3	4286	4282	F	NNZ	N	Y	4	10
V	21416	DD	4276	A009	5	2	4285	4281	G	SUE	N	Y	4	9
V	40699	FFG	4284	W008	2	1	4290	4285	F	NNZ	N	Y	5	6
V	52233	DDG	4283	A053	5	2	4307	4302	H	NDZ	N	Y	5	24
V	52233	DDG	4283	A051	5	2	4328	4309	H	NDZ	N	Y	19	45
V	52233	DDG	4280	A019	2	1	4306	4293	H	NNZ	N	Y	13	26
V	52233	DDG	4283	A023	12	3	4298	4289	G	NNZ	N	Y	9	15
Y	52233	DDG	4283	A025	12	3	4352	4337	A	SCI	N	Y	15	69
V	52233	DDG	4283	A028	12	3	4336	4288	A	NNZ	N	Y	48	53
V	52233	DDG	4282	A021	2	1	4336	4285	F	NNZ	N	Y	51	54
V	52233	DDG	4283	A046	5	2	4306	4288	U	NNZ	N	Y	18	23
V	52233	DDG	4281	A020	2	1	5058	5056	H	N35	N	Y	2	143
V	52233	DDG	4283	A052	5	2	4320	4308	H	NDZ	N	Y	12	37
V	52233	DDG	4282	A022	2	1	4336	4286	F	NNZ	N	Y	50	54
R	52233	DDG	4283	A042	5	2	4306	4288	H	NN	N	Y	18	23
V	52233	DDG	4283	A027	12	3	4328	4289	A	NNZ	N	Y	39	45
V	52233	DDG	4285	A066	2	1	4336	4286	F	NNZ	N	Y	50	51
V	52233	DDG	4283	A024	12	3	4306	4290	A	SUT	N	Y	16	23
V	52236	DDG	4275	A018	2	1	4283	4282	F	NNC	N	Y	1	8
V	52236	DDG	4276	A025	12	3	4305	4287	G	NNC	N	Y	18	29
V	52236	DDG	4275	A010	5	2	4292	4285	V	NJZ	N	Y	7	17
V	52236	DDG	4277	A049	12	3	4312	4290	V	NRZ	N	Y	22	35
V	52236	DDG	4277	A062	2	1	4281	4277	H	SRG	N	Y	4	4
V	52236	DDG	4276	A021	5	2	4285	4279	H	SAI	N	Y	6	9
V	52236	DDG	4275	A008	5	2	4306	4280	V	NRZ	N	Y	26	31
V	52236	DDG	4275	A005	12	3	4332	4289	G	SCC	N	Y	43	57
V	52236	DDG	4278	A077	12	3	4310	4296	V	NRZ	N	Y	14	32
V	52236	DDG	4276	W026	2	1	4283	4279	H	NRZ	N	Y	4	7
V	52236	DDG	4277	A063	2	1	4291	4291	H	NOZ	N	Y	0	14
V	52236	DDG	4275	A011	5	2	4306	4289	H	NNZ	N	Y	17	31
V	52236	DDG	4276	A020	2	1	4287	4279	H	SCC	N	Y	8	11
V	52236	DDG	4277	A028	5	2	4332	4297	6	B46	N	Y	35	55
V	52236	DDG	4275	A004	12	3	4303	4282	G	NDZ	N	Y	21	28
R	52704	CG	4277	0014	5	2	4303	4283	H	NOZ	N	Y	20	26
R	52704	CG	4278	W101	2	1	4285	4279	F	NVZ	N	Y	6	7
R	52704	CG	4280	W271	2	1	4290	4284	F	NVZ	N	Y	6	10
R	52704	CG	4326	1576	12	3	5046	4328	6	NVZ	N	Y	84	86
R	52704	CG	4326	1575	12	3	4349	4328	9	NVZ	N	Y	21	23
R	52704	CG	4326	1574	12	3	5106	5088	G	NNZ	N	Y	18	146
R	52704	CG	4276	E002	5	2	4290	4277	F	NVZ	N	Y	13	14
R	52704	CG	4326	1576	12	3	5046	4328	6	NVZ	N	Y	84	86
R	52704	CG	4276	E004	5	2	4290	4277	F	NVZ	N	Y	13	14
R	52704	CG	4277	0013	5	2	4291	4279	F	NVZ	N	Y	12	14

R	52704	CG	4278	W080	2	1	4285	4278	R	NOZ	N	Y	7	7
R	52704	CG	4326	1577	12	3	5046	4328	6	NVZ	N	Y	84	86
R	52704	CG	4278	W102	2	1	4285	4279	F	NVZ	N	Y	6	7
R	52704	CG	4280	W210	2	1	4302	4283	F	NNZ	N	Y	19	22
R	52704	CG	4276	E003	5	2	4290	4277	F	NVZ	N	Y	13	14
V	54039	FF	4277	A002	5	2	4277	4277	X	NBZ	N	Y	0	0
V	54039	FF	4278	A008	2	1	4283	4280	H	NNE	N	Y	3	5
V	54039	FF	4277	A004	5	2	4277	4277	X	NBZ	N	Y	0	0
V	54039	FF	4278	W007	2	1	5008	4362	N	S93	N	Y	12	96
V	54039	FF	4296	A054	12	3	4306	4298	G	NNI	N	Y	8	10
V	54039	FF	4278	W006	2	1	5008	5002	N	NRZ	N	Y	6	96
V	54039	FF	4285	A025	5	2	4285	4285	X	NBZ	N	Y	0	0
V	54039	FF	4285	A026	5	2	4285	4285	X	NBZ	N	Y	0	0
V	54039	FF	4278	A005	2	1	4285	4281	H	NNE	N	Y	4	7
V	54039	FF	4296	A051	12	3	4352	4304	G	NNI	N	Y	48	56
V	54039	FF	4296	A049	12	3	4306	4299	G	NNE	N	Y	7	10
V	54039	FF	4296	A050	12	3	5015	4309	G	NNE	N	Y	72	85
V	54039	FF	4275	A001	2	1	4297	4284	H	SUE	N	Y	13	22
V	54039	FF	4296	D039	12	3	4344	4319	H	NNZ	N	Y	25	48
V	54039	FF	4277	A003	5	2	4277	4277	X	NBZ	N	Y	0	0
R	54050	FF	4277	0046	6	2	4306	4287	H	SBG	N	N	19	29
R	54050	FF	4320	1126	2	1	4326	4323	U	NNZ	N	N	3	6
R	54050	FF	4277	0010	6	2	4306	4286	H	NOZ	N	N	20	29
R	54050	FF	4277	0025	6	2	4306	4288	H	SBI	N	N	18	29
R	54050	FF	4277	0024	6	2	4306	4286	H	NOZ	N	N	20	29
R	54050	FF	4277	0030	6	2	4306	4287	H	NOZ	N	N	19	29
R	54050	FF	4331	W210	2	1	4336	4332	Q	P58	N	N	4	5
R	54050	FF	4277	0100	13	3	4318	4298	G	NOE	N	N	20	41
R	54050	FF	4277	0074	13	3	5056	5030	G	SBI	N	N	26	145
R	54050	FF	4327	W198	2	1	4341	4340	Q	P58	N	N	1	14
R	54050	FF	4331	W211	2	1	4336	4332	Q	P58	N	N	4	5
R	54050	FF	4277	0081	13	3	4318	4299	G	SUC	N	N	19	41
R	54050	FF	4282	0245	13	3	5002	4334	G	SCC	N	N	34	86
R	54050	FF	4277	0076	13	3	4318	4298	G	NOI	N	N	20	41
R	54050	FF	4326	W195	2	1	4340	4329	U	NZZ	N	N	11	14
V	54056	FF	4288	A005	6	2	4306	4296	S	NNC	N	N	10	18
V	54056	FF	4288	A004	6	2	5241	5051	G	NNZ	N	N	190	319
V	54056	FF	4288	A006	6	2	4297	4291	H	SMC	N	N	6	9
V	54056	FF	4277	W001	6	2	4294	4287	U	NDZ	N	N	7	17
V	54056	FF	4291	A027	13	3	4303	4301	S	NNZ	N	N	2	12
V	54056	FF	4292	A030	13	3	4338	4312	G	NOZ	N	N	26	46
V	54056	FF	4292	A028	13	3	4303	4301	S	NNZ	N	N	2	11
V	54056	FF	4292	A031	13	3	4303	4301	S	NNZ	N	N	2	11
V	54056	FF	4292	A029	13	3	4303	4301	S	NNZ	N	N	2	11
V	54056	FF	4277	A002	6	2	4298	4282	U	NDZ	N	N	16	21
R	54061	FF	4275	0028	6	2	4281	4280	B	NDZ	Y	N	1	6
R	54061	FF	4275	0065	13	3	4297	4279	B	NDZ	Y	N	18	22
R	54061	FF	4278	0099	6	2	4296	4283	B	NOZ	Y	N	13	18
R	54061	FF	4275	0027	13	3	4298	4279	B	NDZ	Y	N	19	23
R	54061	FF	4276	0092	6	2	4296	4279	B	NDZ	Y	N	17	20

R	52706	CG	4275	0005	13	3	5080	4284	A	NVZ	N	Y	162	171
R	1936	AGD	4279	0126	13	3	4342	4321	H	SMI	N	N	21	63
R	1936	AGD	4289	6003	6	2	4313	4311	9	NDZ	N	N	2	24
R	1936	AGD	4279	0121	13	3	4314	4296	9	NDZ	N	N	18	35
R	1936	AGD	4320	6020	6	2	4347	4346	9	NDZ	N	N	1	27
R	1936	AGD	4362	6023	6	2	5035	5015	U	NVZ	N	N	20	39
R	1936	AGD	4289	6004	6	2	4331	4323	9	NDZ	N	N	8	42
R	1936	AGD	4279	0127	13	3	4314	4296	9	NDZ	N	N	18	35
R	1936	AGD	4279	0125	13	3	4314	4296	9	NDZ	N	N	18	35
R	1936	AGD	4290	0189	13	3	4318	4306	9	NDZ	N	N	12	28
R	1936	AGD	4335	6018	3	1	4335	4335	X	NDZ	N	N	0	0
V	4671	DDG	4325	A382	13	3	4340	4337	9	NNZ	N	N	3	15
V	4671	DDG	4276	A003	6	2	4290	4288	H	NNE	N	N	2	14
V	4671	DDG	4313	A309	13	3	5205	5165	H	P73	N	N	40	258
V	4671	DDG	4276	A005	6	2	4318	4286	H	SRG	N	N	32	42
V	4671	DDG	4276	A004	6	2	4287	4285	H	RET	N	N	2	11
V	4671	DDG	4276	A001	6	2	4283	4280	H	NNZ	N	N	3	7
V	4671	DDG	4318	A317	13	3	4325	4323	9	NNZ	N	N	2	7
V	4671	DDG	4325	A375	13	3	4326	4326	9	NNG	N	N	0	1
V	4671	DDG	4276	A002	6	2	5060	5037	H	NDZ	N	N	23	150
V	4671	DDG	4291	A120	13	3	4291	4291	9	NNZ	N	N	0	0
V	4672	DDG	4275	A003	13	3	4292	4281	9	NNZ	N	Y	11	17
V	4672	DDG	4338	B113	2	1	5112	5086	H	NOZ	N	Y	26	140
V	4672	DDG	4276	A077	6	2	4283	4281	9	NNE	N	Y	2	7
V	4672	DDG	4279	W179	3	1	4297	4296	9	NNZ	N	Y	1	18
V	4672	DDG	4276	A081	6	2	4331	4296	G	NBC	N	Y	35	55
V	4672	DDG	4276	A079	6	2	4336	4318	A	SUE	N	Y	18	60
V	4672	DDG	4332	B044	3	1	5030	5025	H	N35	N	Y	5	64
V	4672	DDG	4275	A004	13	3	4298	4288	9	NNE	N	Y	10	23
V	4672	DDG	4337	W094	2	1	4340	4337	A	S9I	N	Y	3	3
V	4672	DDG	4338	B114	2	1	5084	5071	H	N35	N	Y	13	112
V	4672	DDG	4275	A006	13	3	4286	4284	9	NNI	N	Y	2	11
V	4672	DDG	4275	A005	13	3	4283	4279	9	NNZ	N	Y	4	8
V	4672	DDG	4275	A002	13	3	4285	4282	9	NNE	N	Y	3	10
V	4672	DDG	4276	A078	6	2	4286	4285	9	NNE	N	Y	1	10
V	4672	DDG	4276	A080	6	2	4287	4280	A	SUE	N	Y	7	11
R	4679	DDG	4277	0002	6	2	4324	4285	U	NOZ	N	N	39	47
R	4679	DDG	4277	0033	6	2	4292	4288	U	NNZ	N	N	4	15
R	4679	DDG	4277	0035	6	2	4310	4288	9	NDZ	N	N	22	33
R	4679	DDG	4277	0019	13	3	4303	4302	9	NDZ	N	N	1	26
R	4679	DDG	4277	0005	13	3	4340	4309	G	NFZ	N	N	31	63
R	4679	DDG	4306	W705	3	1	4319	4319	9	NDZ	N	N	0	13
R	4679	DDG	4291	W308	3	1	4320	4310	R	NNZ	N	N	10	29
R	4679	DDG	4306	W703	3	1	4313	4313	9	P97	N	N	0	7
R	4679	DDG	4278	0041	6	2	4296	4288	U	NDZ	N	N	8	18
R	4679	DDG	4277	0008	13	3	5066	4309	H	NFZ	N	N	123	155
R	4679	DDG	4342	W402	3	1	4348	4345	9	NDZ	N	N	3	6
R	4679	DDG	4277	0006	13	3	4324	4320	B	NFZ	N	N	4	47
R	4679	DDG	4277	0032	6	2	4312	4285	U	NOZ	N	N	27	35
R	4679	DDG	4277	0004	13	3	4340	4309	G	NFZ	N	N	31	63

R	4679	DDG	4304	W609	3	1	4309	4308	U	NDZ	N	N	1	5
V	4848	AO	4275	A006	12	3	4313	4287	R	S9I	N	N	26	38
V	4848	AO	4275	A032	5	2	4299	4285	G	NNC	N	N	14	24
V	4848	AO	4275	A001	5	2	4352	4340	G	NNZ	N	N	12	77
V	4848	AO	4275	AC18	5	2	4312	4278	H	NNZ	N	N	34	37
V	4848	AO	4275	A017	5	2	4312	4278	H	NNZ	N	N	34	37
V	4848	AO	4275	A008	12	3	4304	4285	G	NNZ	N	N	19	29
V	4848	AO	4275	A007	12	3	4296	4285	G	NNG	N	N	11	21
V	4848	AO	4275	A002	12	3	4296	4285	G	NNZ	N	N	11	21
R	5832	AOE	4352	1897	13	3	4359	4359	X	NUZ	N	Y	0	7
R	5832	AOE	4278	E110	2	1	4320	4300	H	P38	N	Y	20	42
R	5832	AOE	4304	1040	13	3	4327	4327	O	NVZ	N	Y	0	23
R	5832	AOE	4314	W404	2	1	4318	4316	O	NVZ	N	Y	2	4
R	5832	AOE	4280	O138	13	3	4326	4291	O	NVZ	N	Y	35	46
R	5832	AOE	4277	W105	2	1	4283	4279	O	NDZ	N	Y	4	6
R	5832	AOE	4295	W751	2	1	4318	4305	F	NNZ	N	Y	13	23
R	5832	AOE	4278	E109	2	1	4318	4304	O	NDZ	N	Y	14	40
V	5844	LKA	4290	D181	13	3	4319	4303	G	SCI	N	N	16	29
V	5844	LKA	4304	D258	13	3	4328	4324	G	NNE	N	N	4	24
V	5844	LKA	4304	A300	13	3	4362	4326	G	NOC	N	N	36	58
V	5844	LKA	4287	W151	3	1	4287	4287	X	NNZ	N	N	0	0
V	5844	LKA	4321	A359	6	2	4321	4321	X	NNZ	N	N	0	0
V	5844	LKA	4289	W161	3	1	4290	4289	U	NOZ	N	N	1	1
V	5844	LKA	4287	A144	13	3	4331	4300	G	SUI	N	N	31	44
V	5844	LKA	4287	W157	3	1	4289	4288	Q	SUI	N	N	1	2
V	5844	LKA	4314	W356	6	2	4326	4320	H	SCI	N	N	6	12
V	5844	LKA	4287	W153	3	1	4287	4287	X	NNC	N	N	0	0
V	5844	LKA	4328	A451	6	2	4342	4336	9	NNI	N	N	6	14
V	5844	LKA	4287	W159	3	1	4289	4288	U	SUI	N	N	1	2
V	5844	LKA	4328	A376	6	2	4353	4336	9	NNE	N	N	17	25
V	5844	LKA	4304	D259	13	3	4328	4320	G	NNC	N	N	8	24
V	5844	LKA	4314	W356	6	2	4326	4320	H	SCI	N	N	6	12
R	7176	LPD	4277	0036	13	3	4325	4285	9	NDZ	Y	Y	40	48
R	7176	LPD	4277	0031	13	3	4300	4285	9	NDZ	Y	Y	15	23
R	7176	LPD	4277	0033	13	3	4323	4285	9	NDZ	Y	Y	38	46
R	7176	LPD	4277	0044	6	2	4300	4285	9	NDZ	Y	Y	15	23
R	7176	LPD	4276	0011	6	2	4300	4292	9	NDZ	Y	Y	8	24
R	7176	LPD	4277	0032	13	3	4325	4285	9	NDZ	Y	Y	40	48
R	7176	LPD	4277	0041	6	2	4293	4288	H	NDZ	Y	Y	5	16
R	7176	LPD	4277	0035	13	3	4325	4285	9	NDZ	Y	Y	40	48
R	7176	LPD	4277	0069	6	2	4297	4286	9	NDZ	Y	Y	11	20
R	7176	LPD	4277	0068	6	2	4300	4285	9	NDZ	Y	Y	15	23
R	7182	LPD	4277	0022	6	2	4298	4278	9	NDZ	N	N	20	21
R	7182	LPD	4277	0027	13	3	5172	5150	H	NPZ	N	N	22	261
R	7182	LPD	4277	0030	13	3	4292	4283	H	SBT	N	N	9	15
R	7182	LPD	4277	0029	13	3	4291	4282	9	NDZ	N	N	9	14
R	7182	LPD	4324	W005	3	1	4361	4337	H	NVZ	N	N	24	37
R	7182	LPD	4276	0004	6	2	4296	4284	H	GS2	N	N	12	20
R	7182	LPD	4296	W004	3	1	4296	4296	H	S9C	N	N	0	0
R	7182	LPD	4277	0025	13	3	4291	4291	9	NDT	N	N	0	14

R	7182	LPD	4277	0021	6	2	4292	4292	9	NDZ	N	N	0	15
R	7182	LPD	4279	W002	3	1	4291	4284	H	NNZ	N	N	7	12
R	7182	LPD	4286	W003	3	1	4306	4298	H	N35	N	N	8	20
R	7182	LPD	4279	W001	3	1	4342	4339	H	N35	N	N	3	63
R	7182	LPD	4277	0032	13	3	4297	4278	9	NDZ	N	N	19	20
R	7182	LPD	4276	0005	6	2	4286	4276	9	NDT	N	N	10	10
R	7182	LPD	4275	0002	6	2	4278	4276	9	NDZ	N	N	2	3
R	7203	LSD	4277	0049	13	3	4313	4288	9	NDZ	N	Y	25	36
R	7203	LSD	4279	W175	2	1	4330	4299	U	NNZ	N	Y	31	51
R	7203	LSD	4277	0053	6	2	4311	4286	9	NDZ	N	Y	25	34
R	7203	LSD	4292	0380	6	2	4313	4300	H	NNI	N	Y	13	21
R	7203	LSD	4293	0412	13	3	5086	5083	9	NDZ	N	Y	3	159
R	7203	LSD	4353	1229	12	3	5148	5109	G	NOI	N	Y	39	161
R	7203	LSD	4303	0549	13	3	4332	4317	G	NOI	N	Y	15	29
R	7203	LSD	4312	0662	6	2	5088	5080	H	SCC	N	Y	8	143
R	7203	LSD	4325	0910	6	2	4341	4335	H	SUI	N	Y	6	16
R	7203	LSD	4277	0052	13	3	4312	4288	9	NDZ	N	Y	24	35
R	7203	LSD	4275	0011	6	2	4303	4282	9	NDZ	N	Y	21	28
R	20015	LSD	4289	3061	13	3	4300	4297	9	NDZ	N	N	3	11
R	20015	LSD	4340	3447	6	2	4354	4344	9	NDZ	N	N	10	14
R	20015	LSD	4306	3149	13	3	4318	4312	9	NDZ	N	N	6	12
R	20015	LSD	4276	3000	6	2	4299	4281	H	NOE	N	N	18	23
R	20015	LSD	4289	3050	6	2	4299	4292	H	NOI	N	N	7	10
R	20015	LSD	4306	3146	6	2	5023	5021	X	NDZ	N	N	2	83
R	20015	LSD	4332	3389	13	3	4353	4342	9	NDZ	N	N	11	21
R	20015	LSD	4340	A437	3	1	4340	4340	X	NDZ	N	N	0	0
R	20015	LSD	4276	3001	13	3	4296	4287	9	NDZ	N	N	9	20
R	20015	LSD	4331	3331	6	2	4353	4336	9	NDZ	N	N	17	22
R	20015	LSD	4324	3272	13	3	4350	4336	9	NDZ	N	N	14	26
V	20027	LST	4277	A003	6	2	4300	4281	9	NNZ	N	N	19	23
V	20027	LST	4277	A004	13	3	4290	4286	9	NNZ	N	N	4	13
V	20027	LST	4295	A036	13	3	4311	4306	9	NNZ	N	N	5	16
V	20027	LST	4286	A020	13	3	4303	4293	H	S9E	N	N	10	17
V	20027	LST	4295	A027	6	2	4325	4304	9	NNZ	N	N	21	30
V	20027	LST	4295	A033	13	3	4326	4308	9	NNZ	N	N	18	31
V	20027	LST	4295	A029	6	2	4318	4306	9	NNZ	N	N	12	23
V	20027	LST	4277	A005	13	3	4299	4283	H	S93	N	N	16	22
V	20027	LST	4286	W019	6	2	4299	4295	U	NNZ	N	N	4	13
V	20027	LST	4306	A047	6	2	4319	4315	9	NNZ	N	N	4	13
V	20032	LST	4286	A028	12	3	4299	4287	9	NNZ	N	Y	12	13
V	20032	LST	4286	A025	12	3	4312	4287	H	NNZ	N	Y	25	26
V	20032	LST	4286	A031	5	2	4299	4287	9	NNZ	N	Y	12	13
V	20032	LST	4286	A024	12	3	4324	4292	H	S9C	N	Y	32	38
V	20032	LST	4285	A018	5	2	4330	4300	9	NNZ	N	Y	30	45
V	20032	LST	4286	A027	12	3	4312	4287	9	NNZ	N	Y	25	26
V	20032	LST	4286	A026	12	3	4308	4287	9	NNZ	N	Y	21	22
V	20032	LST	4286	A021	5	2	5085	5079	H	NRZ	N	Y	6	165
V	20032	LST	4285	A019	5	2	4299	4292	9	NNZ	N	Y	7	14
V	20032	LST	4286	A020	5	2	4325	4300	9	NNZ	N	Y	25	39
R	20058	FF	4353	1115	2	1	5010	4365	H	NDZ	N	Y	11	23

R	20058	FF	4283	0048	12	3	4296	4285	H	NZZ	N	Y	11	13
R	20058	FF	4297	W315	2	1	5002	4355	H	SCC	N	Y	13	71
R	20058	FF	4284	0086	12	3	4338	4328	H	NPZ	N	Y	10	54
R	20058	FF	4277	0032	12	3	4306	4283	H	SUC	N	Y	23	29
R	20058	FF	4284	0083	5	2	5083	5066	H	SAE	N	Y	17	165
R	20058	FF	4290	0170	5	2	4302	4293	J	NOZ	N	Y	9	12
R	20058	FF	4338	0804	2	1	4356	4340	H	NVZ	N	Y	16	18
R	20058	FF	4283	0054	5	2	4348	4325	F	NOZ	N	Y	23	65
R	20058	FF	4276	0004	5	2	5015	4358	H	NDZ	N	Y	23	105
R	20058	FF	4276	0019	12	3	4298	4290	J	NZZ	N	Y	8	22
R	20058	FF	4356	1145	2	1	5025	5010	F	NNZ	N	Y	15	35
R	20058	FF	4276	0014	12	3	4353	4315	F	SAM	N	Y	38	77
R	20058	FF	4290	0169	5	2	4306	4294	H	SMI	N	Y	12	16
V	20071	FF	4284	A014	13	3	4331	4288	H	S9C	N	N	43	47
V	20071	FF	4284	A011	13	3	4310	4287	G	SM2	N	N	23	26
V	20071	FF	4290	W090	3	1	4293	4291	U	NNZ	N	N	2	3
V	20071	FF	4294	A112	6	2	4306	4300	H	NNZ	N	N	6	12
V	20071	FF	4282	A008	6	2	4289	4285	H	S9G	N	N	4	7
V	20071	FF	4359	W477	3	1	4366	4363	U	NJZ	N	N	3	7
V	20071	FF	4352	W471	3	1	4355	4353	Q	NNZ	N	N	2	3
V	20071	FF	4276	A006	6	2	4303	4293	H	NPZ	N	N	10	27
V	20071	FF	4284	A015	13	3	4304	4285	S	NNZ	N	N	19	20
V	20071	FF	4291	A103	6	2	4301	4295	H	NNZ	N	N	6	10
V	20071	FF	4291	A104	6	2	4302	4295	H	NNZ	N	N	7	11
V	20071	FF	4284	A013	13	3	4303	4285	S	NNZ	N	N	18	19
V	20071	FF	4291	W101	3	1	4292	4292	R	NNZ	N	N	0	1
V	20071	FF	4284	A012	13	3	4304	4285	S	NNZ	N	N	19	20
V	20074	FF	4278	A005	6	2	4301	4301	H	NOC	N	N	0	23
V	20074	FF	4278	A003	6	2	4311	4301	H	NOC	N	N	10	33
V	20074	FF	4300	A095	3	1	4303	4300	Q	SCI	N	N	3	3
V	20074	FF	4278	A004	13	3	4297	4279	S	NNI	N	N	18	19
V	20074	FF	4278	A009	13	3	4297	4279	S	NNE	N	N	18	19
V	20074	FF	4278	A006	13	3	4297	4279	S	NNZ	N	N	18	19
V	20074	FF	4278	A002	6	2	4305	4279	S	NNC	N	N	26	27
V	20074	FF	4307	W186	3	1	4312	4208	U	NNZ	N	N	104	5
V	20074	FF	4312	A227	3	1	4328	4312	U	RMZ	N	N	16	16
V	20074	FF	4278	A011	6	2	4297	4279	S	NNZ	N	N	18	19
V	20074	FF	4300	A094	3	1	4305	4300	Q	SCI	N	N	5	5
V	20074	FF	4278	A001	6	2	4297	4280	S	NNI	N	N	17	19
V	20075	FF	4275	A116	6	2	4355	4321	H	NNZ	N	Y	34	80
V	20075	FF	4275	A003	13	3	4304	4294	H	NNZ	N	Y	10	29
V	20075	FF	4275	A113	6	2	4355	4321	H	NNZ	N	Y	34	80
V	20075	FF	4275	A115	6	2	4355	4321	H	S9G	N	Y	34	80
V	20075	FF	4275	A114	6	2	4355	4321	H	NNZ	N	Y	34	80
V	20075	FF	4275	A004	13	3	4304	4294	H	NNZ	N	Y	10	29
V	20075	FF	4275	A002	13	3	5071	5050	H	S93	N	Y	21	162
V	20075	FF	4275	A001	13	3	4304	4294	H	NNZ	N	Y	10	29
V	20075	FF	4275	A117	6	2	4355	4334	H	S9I	N	Y	21	80
V	20075	FF	4292	W390	3	1	4322	4322	H	NNZ	N	Y	0	30
V	20075	FF	4275	A005	13	3	4304	4294	H	NNZ	N	Y	10	29

R	20113	AE	4276	0004	12	3	4334	4297	9	NOZ	N	Y	37	58
R	20113	AE	4227	0056	5	2	4278	4278	9	NVZ	N	Y	0	51
R	20113	AE	4277	0048	5	2	4278	4278	9	NVZ	N	Y	0	1
R	20113	AE	4279	0123	2	1	4279	4279	9	NVZ	N	Y	0	0
R	20113	AE	4277	0053	5	2	4278	4278	9	NVZ	N	Y	0	1
R	20113	AE	4277	0046	5	2	4278	4278	9	NVZ	N	Y	0	1
R	20113	AE	4276	0007	12	3	5018	4297	9	NOZ	N	Y	87	108
R	20113	AE	4276	0008	12	3	4334	4297	9	NOZ	N	Y	37	58
R	20113	AE	4276	0005	12	3	5011	4297	9	NOZ	N	Y	80	101
R	20113	AE	4276	0006	12	3	4334	4297	9	NOZ	N	Y	37	58
R	20113	AE	4277	0050	5	2	4278	4278	9	NVZ	N	Y	0	1
R	20113	AE	4296	0276	2	1	4322	4298	9	NVZ	N	Y	24	26
V	20120	AOE	4277	A007	13	3	5002	4354	A	S9E	N	N	14	91
V	20120	AOE	4279	A055	6	2	4302	4295	9	NNZ	N	N	7	23
V	20120	AOE	4279	A038	6	2	4299	4295	9	NNZ	N	N	4	20
V	20120	AOE	4277	A008	13	3	4313	4291	A	S9E	N	N	22	36
V	20120	AOE	4277	W024	6	2	4305	4293	9	NNZ	N	N	12	28
V	20120	AOE	4280	A061	6	2	4302	4300	9	NNZ	N	N	2	22
V	20120	AOE	4277	A006	13	3	4301	4293	A	S9G	N	N	8	24
V	20120	AOE	4277	A001	13	3	4298	4295	G	NNZ	N	N	3	21
V	20120	AOE	4277	A002	13	3	4298	4295	G	NNZ	N	N	3	21
V	20120	AOE	4277	A004	6	2	4305	4289	9	NNZ	N	N	16	28
V	20590	DD	4291	A064	12	3	4304	4294	H	NNG	N	N	10	13
V	20590	DD	4291	A061	12	3	4306	4298	H	SRG	N	N	8	15
V	20590	DD	4276	A008	2	1	4276	4276	9	NNZ	N	N	0	0
V	20590	DD	4284	W016	5	2	4285	4284	9	NNZ	N	N	1	1
V	20590	DD	4291	A113	2	1	4291	4291	9	NNZ	N	N	0	0
V	20590	DD	4291	A071	12	3	4304	4294	H	NNI	N	N	10	13
V	20590	DD	4291	A070	12	3	4312	4297	H	NRZ	N	N	15	21
V	20590	DD	4291	A065	12	3	4306	4296	H	SUE	N	N	10	15
V	20590	DD	4285	A024	5	2	4296	4288	9	NNZ	N	N	8	11
V	20590	DD	4277	W010	2	1	4283	4279	9	NNZ	N	N	4	6
V	20590	DD	4285	A026	2	1	4285	4285	9	NNZ	N	N	0	0
V	20590	DD	4285	A021	5	2	4289	4287	F	SAM	N	N	2	4
V	20590	DD	4293	A130	2	1	4298	4298	9	NNZ	N	N	0	5
V	20590	DD	4284	W017	5	2	4285	4284	9	NNZ	N	N	1	1
V	20590	DD	4285	A023	5	2	4286	4285	9	NNZ	N	N	1	1
R	20591	DD	4319	1370	6	2	4338	4324	G	GFI	N	N	14	19
R	20591	DD	4320	1392	13	3	4348	4336	9	NDZ	N	N	12	28
R	20591	DD	4307	1063	6	2	4326	4314	9	NDZ	N	N	12	19
R	20591	DD	4320	1390	13	3	4348	4336	9	NDZ	N	N	12	28
R	20591	DD	4307	1060	6	2	4348	4314	9	NDZ	N	N	34	41
R	20591	DD	4320	1388	13	3	5202	5177	G	SUI	N	N	25	248
R	20591	DD	4320	1389	13	3	4348	4336	9	NDZ	N	N	12	28
R	20591	DD	4320	1391	13	3	4344	4332	G	SBG	N	N	12	24
R	20591	DD	4319	1365	6	2	4336	4322	G	SUG	N	N	14	17
R	20601	DD	4332	W012	3	1	5249	5242	H	P14	N	N	7	283
R	20601	DD	4274	0004	6	2	4289	4280	H	NNZ	N	N	9	15
R	20601	DD	4275	0047	13	3	4306	4295	9	NDZ	N	N	11	31
R	20601	DD	4274	0006	6	2	4295	4283	9	NDZ	N	N	12	21

R	20601	DD	4276	0054	13	3	5170	5162	G	NOG	N	N	8	260
R	20601	DD	4274	0003	6	2	4310	4289	H	S9M	N	N	21	36
R	20601	DD	4275	0035	13	3	4306	4295	9	NDZ	N	N	11	31
R	20601	DD	4274	0005	6	2	4290	4283	9	NDZ	N	N	7	16
R	20601	DD	4315	W009	3	1	4327	4320	H	NOZ	N	N	7	12
R	20601	DD	4274	0007	6	2	4289	4281	H	NNZ	N	N	8	15
R	20601	DD	4275	0048	13	3	4306	4286	H	NFZ	N	N	20	31
R	20601	DD	4275	0036	13	3	4306	4295	9	NDZ	N	N	11	31
R	20965	FFG	4280	0160	12	3	4288	4287	9	NVZ	N	Y	1	8
R	20965	FFG	4280	W008	2	1	4318	4306	5	NVZ	N	Y	12	38
R	20965	FFG	4275	0010	5	2	4282	4280	9	NVZ	N	Y	2	7
R	20965	FFG	4280	0162	12	3	4288	4287	9	NVZ	N	Y	1	8
R	20965	FFG	4275	0011	6	2	4278	4277	9	NVZ	N	Y	1	3
R	20965	FFG	4295	W016	2	1	4314	4301	U	NVZ	N	Y	13	19
R	20965	FFG	4280	0161	12	3	4288	4287	9	NVZ	N	Y	1	8
R	20965	FFG	4275	0013	5	2	4278	4276	9	NVZ	N	Y	2	3
R	20965	FFG	4280	0163	12	3	4288	4287	9	NVZ	N	Y	1	8
R	20965	FFG	4275	0014	5	2	4278	4276	9	NVZ	N	Y	2	3
R	20965	FFG	4275	W001	2	1	4297	4280	H	N35	N	Y	17	22
R	20965	FFG	4279	W002	2	1	4300	4285	U	NVZ	N	Y	15	21
R	20965	FFG	4280	0158	12	3	4305	4289	9	NVZ	N	Y	16	25
R	20965	FFG	4275	0016	5	2	4279	4276	9	NVZ	N	Y	3	4
V	20975	FFG	4277	A008	6	2	4290	4287	H	NOZ	N	Y	3	13
V	20975	FFG	4285	A044	13	3	4303	4303	X	NBZ	N	Y	0	18
V	20975	FFG	4285	A045	13	3	4303	4303	X	NBZ	N	Y	0	18
V	20975	FFG	4277	A003	6	2	4299	4299	X	NBZ	N	Y	0	22
V	20975	FFG	4277	A001	6	2	4290	4286	U	SCC	N	Y	4	13
V	20975	FFG	4285	A043	13	3	4306	4300	A	SRG	N	Y	6	21
V	20975	FFG	4285	A042	13	3	5080	5075	7	SBE	N	Y	5	161
V	20975	FFG	4277	A002	6	2	5023	5016	C	SCC	N	Y	7	112
V	20975	FFG	4277	A006	6	2	5033	5027	7	SUI	N	Y	6	122
V	20975	FFG	4285	A041	13	3	4303	4295	9	NBZ	N	Y	8	18
R	21048	AO	4276	0007	13	3	5026	4284	9	NPZ	N	N	108	116
R	21048	AO	4276	0009	13	3	4321	4283	G	SCI	N	N	38	45
R	21048	AO	4276	0006	13	3	4349	4283	9	NPZ	N	N	66	73
R	21048	AO	4276	0047	6	2	4307	4293	H	NBZ	N	Y	14	31
R	21048	AO	4276	0033	6	2	4324	4282	9	NPZ	N	N	42	48
R	21048	AO	4276	0072	6	2	5017	4289	9	NPZ	N	N	94	107
R	21048	AO	4276	0071	6	2	4321	4282	9	NPZ	N	N	39	45
R	21048	AO	4276	0005	13	3	4321	4284	G	SMI	N	N	37	45
R	21048	AO	4342	W003	2	1	4348	4344	9	NPZ	N	N	4	6
R	21048	AO	4276	0010	13	3	4331	4282	G	NOE	N	N	49	55
R	21048	AO	4302	W004	2	1	4349	4345	H	NOE	N	N	4	47
R	21048	AO	4276	0048	6	2	4321	4289	H	SBG	N	N	32	45
V	21057	FFG	4279	W105	2	1	4307	4291	F	NNZ	N	Y	16	28
V	21057	FFG	4278	A026	12	3	4292	4284	G	NNZ	N	Y	8	14
V	21057	FFG	4278	A025	12	3	4331	4315	H	NNZ	N	Y	16	53
V	21057	FFG	4278	A027	12	3	4292	4284	G	NNZ	N	Y	8	14
V	21057	FFG	4278	A029	12	3	4362	4347	6	SRG	N	Y	15	84
V	21057	FFG	4276	A010	5	2	4282	4280	H	SCC	N	Y	2	6

V	21057	FFG	4279	W102	2	1	4310	4297	U	R37	N	Y	13	31
V	21057	FFG	4276	A014	5	2	5063	5054	H	NNZ	N	Y	9	153
V	21057	FFG	4276	A006	5	2	4354	4348	H	SAE	N	Y	6	78
V	21057	FFG	4279	W104	2	1	4314	4291	R	R37	N	Y	23	35
V	21057	FFG	4276	A003	5	2	4286	4281	F	NNZ	N	Y	5	10
V	21057	FFG	4276	A009	5	2	4286	4280	H	NNZ	N	Y	6	10
V	21057	FFG	4278	A028	12	3	4292	4284	G	NNZ	N	Y	8	14
V	21107	FFG	4300	A041	6	2	4330	4319	U	NDZ	N	N	11	30
V	21107	FFG	4283	A002	13	3	4312	4292	U	NRZ	N	N	20	29
V	21107	FFG	4283	A004	13	3	5021	4294	U	NRZ	N	N	93	104
V	21107	FFG	4306	A042	6	2	4346	4323	U	NNZ	N	N	23	40
V	21107	FFG	4283	A003	13	3	5039	4297	U	NRZ	N	N	108	122
V	21107	FFG	4283	A005	13	3	5021	4292	U	NRZ	N	N	95	104
V	21107	FFG	4326	A100	6	2	5060	4334	U	NIZ	N	N	92	100
V	21107	FFG	4283	A001	13	3	4311	4292	U	NRZ	N	N	19	28
V	21107	FFG	4326	A098	6	2	4339	4331	U	NRZ	N	N	8	13
V	21107	FFG	4321	A098	6	2	5004	4363	U	NNZ	N	N	7	49
R	21439	DDG	4289	0710	13	3	4318	4296	A	SUB	N	N	22	29
R	21439	DDG	4279	0501	6	2	5126	5088	G	SBG	N	N	38	213
R	21439	DDG	4280	0587	6	2	4285	4281	U	NOI	N	N	4	5
R	21439	DDG	4275	0028	6	2	4302	4281	9	NDZ	N	N	21	27
R	21439	DDG	4343	1933	3	1	4354	4349	9	NDZ	N	N	5	11
R	21439	DDG	4275	0022	13	3	4299	4288	9	NDZ	N	N	11	24
R	21439	DDG	4355	2248	3	1	4362	4356	U	NNZ	N	N	6	7
R	21439	DDG	4275	0012	13	3	4303	4288	9	NDZ	N	N	15	28
R	21439	DDG	4289	0273	13	3	4313	4297	B	NOZ	N	N	16	24
R	21439	DDG	4275	0029	6	2	4289	4279	H	SMG	N	N	10	14
R	21439	DDG	4276	0430	6	2	5072	5071	5	P62	N	N	1	162
R	21439	DDG	4325	1569	3	1	4348	4325	U	NNE	N	N	23	23
R	21439	DDG	4275	0016	13	3	4304	4288	9	NDZ	N	N	16	29
R	52693	CG	4349	1969	13	3	4363	4348	9	NDZ	N	N	15	14
R	52693	CG	4363	2235	3	1	4363	4363	X	NDZ	N	N	0	0
R	52693	CG	4363	2236	3	1	5016	5009	H	NBZ	N	N	7	19
R	52693	CG	4279	0172	6	2	4300	4281	9	NDZ	N	N	19	21
R	52693	CG	4366	2278	6	2	5003	5002	X	NDZ	N	N	1	3
R	52693	CG	4293	0590	13	3	4307	4298	9	NDZ	N	N	9	14
R	52693	CG	4286	0310	6	2	4305	4297	9	NDZ	N	N	8	19
R	52693	CG	4286	0302	6	2	4307	4296	9	NDZ	N	N	11	21
R	52693	CG	4293	0576	6	2	4306	4301	9	NDZ	N	N	5	13
R	52693	CG	4275	0037	13	3	4304	4296	9	NDZ	N	N	8	29
R	52693	CG	4307	0957	13	3	5003	5002	9	NDZ	N	N	1	62
R	52693	CG	4340	1657	13	3	5003	4346	G	NDZ	N	N	23	29
V	52701	CG	4363	A764	13	3	5010	5006	9	NNE	N	N	4	13
V	52701	CG	4275	A004	3	1	4275	4275	X	NNZ	N	N	0	0
V	52701	CG	4337	A495	13	3	4354	4348	9	NNE	N	N	6	17
V	52701	CG	4364	A767	6	2	4365	4364	X	NNI	N	N	1	1
V	52701	CG	4324	A435	6	2	4346	4336	9	NNE	N	N	10	22
V	52701	CG	4337	A482	13	3	4351	4346	9	NNE	N	N	5	14
V	52701	CG	4319	W410	3	1	4333	4323	9	NNZ	N	N	10	14
V	52701	CG	4342	A574	13	3	5029	5018	H	P58	N	N	11	53

V	52701	CG	4314	A386	13	3	4348	4333	H	SRG	N	N	15	34
V	52701	CG	4275	W002	2	1	4284	4284	U	NNZ	N	N	0	9
V	52701	CG	4319	W409	3	1	4331	4321	9	NNZ	N	N	10	12
V	52701	CG	4300	A212	6	2	5221	5166	H	NDZ	N	N	55	287
V	52701	CG	4300	A214	5	2	5046	5036	9	NNZ	N	N	10	112
V	52701	CG	4300	A210	6	2	4305	4301	9	NNZ	N	N	4	5
R	52705	CG	4355	W085	3	1	4355	4355	X	NDZ	N	N	0	0
R	52705	CG	4276	0060	13	3	4312	4292	9	NDZ	N	N	20	36
R	52705	CG	4276	0064	13	3	4313	4295	9	NDZ	N	N	18	37
R	52705	CG	4334	W063	3	1	4345	4340	U	N35	N	N	5	11
R	52705	CG	4276	0062	13	3	4313	4292	9	NDZ	N	N	21	37
R	52705	CG	4275	0011	6	2	4303	4275	9	NDZ	N	N	28	28
R	52705	CG	4275	0007	6	2	4276	4275	X	NDZ	N	N	1	1
R	52705	CG	4325	W059	3	1	4340	4336	U	SUE	N	N	4	15
R	52705	CG	4276	0061	13	3	4313	4292	9	NDZ	N	N	21	37
R	52705	CG	4275	0008	6	2	4276	4275	X	NDZ	N	N	1	1
R	52705	CG	4276	0063	13	3	4312	4299	9	NDZ	N	N	13	36
R	52705	CG	4275	0012	6	2	4347	4275	9	NDZ	N	N	72	72
R	52705	CG	4275	0009	6	2	4276	4275	9	NDZ	N	N	1	1
R	52705	CG	4335	W065	3	1	4356	4350	U	S86	N	N	6	21
R	52706	CG	4278	A062	6	2	4286	4280	I	NVZ	N	Y	6	8
R	52706	CG	4275	0008	13	3	5080	4284	A	NVZ	N	Y	162	171
R	52706	CG	4275	0007	13	3	5080	4284	A	NVZ	N	Y	162	171
R	52706	CG	4279	A070	6	2	4300	4280	F	NNE	N	Y	20	21
R	52706	CG	4278	A063	6	2	4279	4279	X	NVZ	N	Y	0	1
R	52706	CG	4278	A064	6	2	4280	4279	F	NVZ	N	Y	1	2
R	52706	CG	4275	0009	13	3	5080	4284	A	NVZ	N	Y	162	171
R	52706	CG	4279	A071	6	2	4280	4279	X	NVZ	N	Y	1	1
R	52706	CG	4275	0006	13	3	5080	4284	A	NVZ	N	Y	162	171
V	54037	FF	4276	A005	6	2	4291	4286	Q	S9C	N	Y	5	15
V	54037	FF	4307	A148	3	1	4309	4308	Q	NNZ	N	Y	1	2
V	54037	FF	4289	A026	13	3	4310	4309	A	NRZ	N	Y	1	21
V	54037	FF	4307	A149	3	1	4310	4308	Q	NNZ	N	Y	2	3
V	54037	FF	4289	A024	13	3	4307	4292	A	NRZ	N	Y	15	18
V	54037	FF	4289	A035	13	3	4307	4303	A	NRZ	N	Y	4	18
V	54037	FF	4289	A027	13	3	4307	4292	A	NRZ	N	Y	15	18
V	54037	FF	4275	W003	6	2	4282	4277	N	FFZ	N	Y	5	7
V	54037	FF	4296	A088	2	1	4307	4296	Q	S9E	N	Y	11	11
V	54037	FF	4306	A143	3	1	4306	4306	X	NRZ	N	Y	0	0
V	54037	FF	4275	W002	6	2	4291	4281	H	NOZ	N	Y	10	16
V	54037	FF	4277	A009	6	2	4278	4278	X	NRZ	N	Y	0	1
V	54037	FF	4278	A010	6	2	4289	4283	X	NRZ	N	Y	6	11
V	54037	FF	4289	A028	13	3	4297	4292	A	S9I	N	Y	5	8
V	54037	FF	4309	W154	3	1	4345	4311	U	NOZ	N	Y	34	36
R	54038	FF	4279	0040	6	2	4339	4330	U	NOZ	N	N	9	60
R	54038	FF	4276	W008	6	2	4289	4289	9	NDZ	N	N	0	13
R	54038	FF	4278	0011	6	2	4292	4285	9	NDZ	N	N	7	14
R	54038	FF	4276	0006	13	3	4317	4304	B	NOZ	N	N	13	41
R	54038	FF	4279	0029	6	2	5112	4324	U	NOZ	N	Y	154	199
R	54038	FF	4276	0007	13	3	4331	4304	B	NOZ	N	N	27	55

R	54038	FF	4278	0012	6	2	5224	5221	9	NDZ	N	N	3	312
R	54038	FF	4276	0005	13	3	4345	4329	B	NOZ	N	N	16	69
R	54038	FF	4279	0014	13	3	4345	4322	9	NDZ	N	N	23	66
R	54038	FF	4279	0016	13	3	4347	4345	G	NOZ	N	N	2	68
R	54045	FF	4285	0034	6	2	4338	4324	9	NDZ	N	N	14	53
R	54045	FF	4275	W002	3	1	4302	4300	Q	P58	N	N	2	27
R	54045	FF	4285	0035	6	2	4298	4292	9	NDZ	N	N	6	13
R	54045	FF	4285	0018	13	3	4298	4288	9	NDZ	N	N	10	13
R	54045	FF	4285	0024	13	3	4303	4292	9	NDZ	N	N	11	18
R	54045	FF	4283	W003	3	1	4286	4285	9	NDZ	N	N	1	3
R	54045	FF	4285	0023	13	3	4318	4291	9	NDZ	N	N	27	33
R	54045	FF	4285	0024	13	3	4303	4292	9	NDZ	N	N	11	18
R	54045	FF	4285	0021	6	2	4312	4291	9	NDZ	N	N	21	27
R	54045	FF	4285	0030	6	2	4297	4293	H	SUE	N	N	4	12
R	54045	FF	4285	0019	6	2	4312	4291	9	NDZ	N	N	21	27
R	54045	FF	4285	0025	13	3	4331	4291	9	NDZ	N	N	40	46
R	54045	FF	4285	0022	13	3	4318	4291	9	NDZ	N	N	27	33
R	54045	FF	4283	W004	3	1	4286	4285	9	NDZ	N	N	1	3
R	54066	FF	4278	0056	12	3	4291	4284	9	NPZ	N	Y	7	13
R	54066	FF	4276	0020	5	2	4276	4276	9	NPZ	N	Y	0	0
R	54066	FF	4275	W007	2	1	4326	4296	F	NNZ	N	Y	30	51
R	54066	FF	4278	0055	12	3	4291	4284	9	NPZ	N	Y	7	13
R	54066	FF	4276	0012	5	2	4276	4276	9	NPZ	N	Y	0	0
R	54066	FF	4278	0057	12	3	4291	4284	9	NPZ	N	Y	7	13
R	54066	FF	4276	0009	5	2	4276	4276	9	NPZ	N	Y	0	0
R	54066	FF	4276	0013	5	2	4276	4276	9	NPZ	N	Y	0	0
R	54066	FF	4279	W107	2	1	4288	4282	7	SUC	N	Y	6	9
R	54066	FF	4279	W110	2	1	4282	4279	9	NPZ	N	Y	3	3
R	54066	FF	4278	0058	12	3	4291	4284	9	NPZ	N	Y	7	13
R	54066	FF	4276	0019	5	2	4276	4276	9	NPZ	N	Y	0	0
R	54066	FF	4278	0059	12	3	4291	4284	9	NPZ	N	Y	7	13
R	54066	FF	4279	W109	2	1	4282	4279	9	NPZ	N	Y	3	3
R	54066	FF	4315	W912	2	1	4336	4322	F	NVZ	N	Y	14	21
R	54071	FF	4275	0017	13	3	4307	4297	9	NDZ	N	N	10	32
R	54071	FF	4275	0026	6	2	4309	4292	J	NUZ	N	N	17	34
R	54071	FF	4275	0016	13	3	4307	4297	9	NDZ	N	N	10	32
R	54071	FF	4275	0019	13	3	4307	4297	9	NDZ	N	N	10	32
R	54071	FF	4275	0018	13	3	4307	4297	9	NDZ	N	N	10	32
R	54071	FF	4275	0015	13	3	4307	4297	9	NDZ	N	N	10	32
R	54071	FF	4280	0062	6	2	4308	4288	9	NDZ	N	N	20	28
R	54071	FF	4275	0011	6	2	4275	4275	9	NDZ	N	N	0	0
R	54071	FF	4278	H044	6	2	5018	5018	9	NDZ	N	N	0	106
R	54071	FF	4275	H027	6	2	4338	4330	9	NDZ	N	N	8	63
R	54072	FF	4278	0078	13	3	4285	4282	D	NPZ	N	N	3	7
R	54072	FF	4278	0072	6	2	4286	4281	H	NOC	N	N	5	8
R	54072	FF	4278	0079	13	3	4285	4282	D	NPZ	N	N	3	7
R	54072	FF	4278	0063	6	2	4285	4280	D	NPZ	N	N	5	7
R	54072	FF	4278	0064	6	2	4289	4283	H	NOI	N	N	6	11
R	54072	FF	4278	0066	6	2	4285	4280	M	NPZ	N	N	5	7
R	54072	FF	4278	0065	6	2	4285	4280	M	NPZ	N	N	5	7

V	4676	DDG	4324	A244	12	3	5113	4325	H	SUE	N	Y	154	155
V	3061	BB	4278	0178	5	2	4290	4286	9	NNT	N	N	4	12
V	3061	BB	4275	0010	5	2	4285	4280	9	NNZ	N	N	5	10
V	3061	BB	4278	0015	5	2	4305	4293	9	NNG	N	N	12	27
V	3061	BB	4275	0012	12	3	4305	4285	H	SMM	N	N	20	30
V	3061	BB	4275	0007	5	2	4285	4280	9	NNT	N	N	5	10
V	3061	BB	4275	0011	12	3	4290	4284	9	NNG	N	N	6	15
V	3061	BB	4275	0006	12	3	4306	4285	9	NNG	N	N	21	31
V	3061	BB	4275	0005	12	3	4296	4285	9	NNZ	N	N	11	21
V	3061	BB	4278	0177	5	2	4390	4303	H	SMM	N	N	87	112
V	3061	BB	4275	0014	12	3	4289	4284	9	NMM	N	N	5	14
V	3134	LSD	4276	A018	12	3	5140	5120	G	SCC	N	Y	20	230
V	3134	LSD	4276	A009	12	3	4290	4282	G	NNZ	N	Y	8	14
V	3134	LSD	4276	A017	12	3	4288	4282	G	NNZ	N	Y	6	12
V	3134	LSD	4277	W086	2	1	4285	4280	F	NNZ	N	Y	5	8
V	3134	LSD	4279	W089	2	1	4283	4280	F	NNZ	N	Y	3	4
V	3134	LSD	4276	A012	5	2	4366	4281	H	NNI	N	Y	85	90
V	3134	LSD	4276	A007	5	2	4287	4281	H	NNZ	N	Y	6	11
V	3134	LSD	4276	W085	2	1	4283	4280	F	NNZ	N	Y	3	7
V	3134	LSD	4276	A002	5	2	4287	4282	H	S9G	N	Y	5	11
V	3134	LSD	4276	A010	12	3	4338	4295	G	SRE	N	Y	43	62
V	3134	LSD	4276	A081	2	1	4286	4280	H	NNZ	N	Y	6	10
V	3134	LSD	4276	A008	5	2	4283	4280	H	NNZ	N	Y	3	7
V	3134	LSD	4276	A003	5	2	4290	4280	H	NPZ	N	Y	10	14
V	3134	LSD	4276	A004	12	3	4338	4295	G	SRE	N	Y	43	62
V	4676	DDG	4329	A272	5	2	5092	5078	H	NNZ	N	Y	14	129
V	4676	DDG	4359	A535	5	2	5004	4362	H	SRG	N	Y	8	11
V	4676	DDG	4314	A204	12	3	5017	4320	H	SMI	N	Y	63	69
V	4676	DDG	4299	W079	2	1	5017	5011	F	NOZ	N	Y	6	84
V	4676	DDG	4321	A234	5	2	5042	5026	H	NNE	N	Y	16	87
V	4676	DDG	4277	W003	2	1	4332	4324	U	NDZ	N	Y	8	55
V	4676	DDG	4291	A034	12	3	4312	4292	G	NNE	N	Y	20	21
V	4676	DDG	4333	W320	2	1	4346	4335	H	SAE	N	Y	11	13
V	4676	DDG	4316	W214	2	1	4326	4316	F	NNG	N	Y	10	10
V	4676	DDG	4316	W211	2	1	4336	4319	F	NOZ	N	Y	17	20
V	4676	DDG	4357	A524	12	3	5002	4359	G	NNC	N	Y	9	11
V	4676	DDG	4285	A027	5	2	4304	4293	H	SRE	N	Y	11	19
V	4676	DDG	4314	A182	5	2	4338	4325	H	NNE	N	Y	13	24
V	4676	DDG	4303	A112	12	3	4325	4309	G	NOI	N	Y	16	22
R	4678	DDG	4275	0011	12	3	4283	4278	9	NVZ	N	Y	5	8
R	4678	DDG	4275	0006	5	2	4282	4278	9	NVZ	N	Y	4	7
R	4678	DDG	4278	W315	2	1	4312	4296	H	NDZ	N	Y	16	34
R	4678	DDG	4275	0012	12	3	4283	4278	9	NVZ	N	Y	5	8
R	4678	DDG	4275	0010	5	2	4282	4278	9	NVZ	N	Y	4	7
R	4678	DDG	4285	A588	2	1	4338	4287	F	NVZ	N	Y	51	53
R	4678	DDG	4275	0007	5	2	4283	4278	9	NVZ	N	Y	5	8
R	4678	DDG	4275	0015	12	3	4290	4278	9	NVZ	N	Y	12	15
R	4678	DDG	4279	W445	2	1	4299	4281	H	NNZ	N	Y	18	20
R	4678	DDG	4277	A314	2	1	4296	4279	H	NVZ	N	Y	17	19
R	4678	DDG	4275	0013	12	3	4283	4278	9	NVZ	N	Y	5	8

R	4678	DDG	4275	0009	5	2	4282	4278	9	NVZ	N	Y	4	7
R	4678	DDG	4289	W705	2	1	4312	4292	F	NNZ	N	Y	20	23
R	4678	DDG	4275	0016	5	2	4282	4275	9	NVZ	N	Y	7	7
R	4678	DDG	4275	0014	12	3	4284	4278	9	NVZ	N	Y	6	9
R	4682	DDG	4277	0071	12	3	4328	4291	F	N35	N	Y	37	51
R	4682	DDG	4286	W300	2	1	4310	4288	F	S9E	N	Y	22	24
R	4682	DDG	4277	0044	12	3	4290	4282	9	NPZ	N	Y	8	13
R	4682	DDG	4275	0018	5	2	4275	4275	X	NPZ	N	Y	0	0
R	4682	DDG	4276	W027	2	1	4286	4280	H	S9E	N	Y	6	10
R	4682	DDG	4276	W026	2	1	4353	4344	F	N35	N	Y	9	77
R	4682	DDG	4277	0042	12	3	4290	4282	9	NPZ	N	Y	8	13
R	4682	DDG	4280	W167	2	1	4311	4310	7	NNZ	N	Y	1	31
R	4682	DDG	4277	0029	5	2	4290	4284	9	NPZ	N	Y	6	13
R	4682	DDG	4277	0028	5	2	4296	4280	9	NPZ	N	Y	16	19
R	4682	DDG	4277	0045	12	3	4292	4282	G	NOZ	N	Y	10	15
R	4682	DDG	4280	W166	2	1	4291	4281	H	S9G	N	Y	10	11
R	4682	DDG	4277	0030	5	2	4296	4276	G	N35	N	Y	20	19
R	4682	DDG	4277	0043	12	3	4290	4282	9	NPZ	N	Y	8	13
R	4682	DDG	4277	0031	5	2	4293	4281	H	NOZ	N	Y	12	16
R	4686	DDG	4276	0028	13	3	5269	5269	9	NPZ	N	N	0	359
R	4686	DDG	4276	0026	6	2	4276	4276	9	NPZ	N	N	0	0
R	4686	DDG	4284	0062	13	3	4331	4329	6	NFZ	N	N	2	47
R	4686	DDG	4284	0060	6	2	4297	4297	9	NPZ	N	N	0	13
R	4694	FFG	4276	0015	13	3	4298	4290	9	NDZ	N	N	8	22
R	4694	FFG	4276	0052	6	2	4293	4283	9	NDZ	N	N	10	17
R	4694	FFG	4276	0014	13	3	4298	4290	9	NDZ	N	N	8	22
R	4694	FFG	4275	0012	13	3	4298	4290	9	NDZ	N	N	8	23
R	4694	FFG	4276	0053	6	2	4296	4283	9	NDZ	N	N	13	20
R	4694	FFG	4275	0013	13	3	4306	4293	G	NOI	N	N	13	31
R	4694	FFG	4276	0045	6	2	4298	4283	9	NDZ	N	N	15	22
R	4694	FFG	4276	0064	6	2	4319	4313	H	SUC	N	N	6	43
R	4694	FFG	4276	0060	6	2	4296	4283	9	NDZ	N	N	13	20
R	4694	FFG	4276	0016	13	3	4298	4290	9	NDZ	N	N	8	22
V	5146	SSN	4275	W005	2	1	4280	4277	Q	NRZ	N	Y	3	5
V	5146	SSN	4275	W001	2	1	4280	4277	Q	NRZ	N	Y	3	5
V	5146	SSN	4275	W003	2	1	4280	4277	Q	NRZ	N	Y	3	5
V	5146	SSN	4275	W002	2	1	4280	4277	Q	NRZ	N	Y	3	5
V	5146	SSN	4275	W004	2	1	4280	4277	Q	NRZ	N	Y	3	5
V	5146	SSN	4279	0008	5	2	4279	4279	X	R7B	N	Y	0	0
V	7195	LPD	4277	A023	12	3	4307	4294	G	NNZ	N	Y	13	30
V	7195	LPD	4277	A022	2	1	4289	4279	G	NNZ	N	Y	10	12
V	7195	LPD	4277	A025	5	2	4339	4287	G	NNZ	N	Y	52	62
V	7195	LPD	4277	A021	2	1	4289	4279	G	NNC	N	Y	10	12
V	7195	LPD	4279	A027	5	2	4300	4289	G	S9C	N	Y	11	21
V	7195	LPD	4279	W047	2	1	4289	4279	X	NNC	N	Y	10	10
V	7195	LPD	4279	A028	5	2	4340	4287	G	NNZ	N	Y	53	61
V	7195	LPD	4278	A058	12	3	4339	4287	G	NNE	N	Y	52	61
V	7195	LPD	4279	W048	2	1	4298	4279	X	NNI	N	Y	19	19
V	7195	LPD	4279	A030	5	2	4300	4289	G	S9I	N	Y	11	21
V	7195	LPD	4277	A024	5	2	4318	4294	G	NNZ	N	Y	24	41

V	7195	LPD	4279	W049	2	1	4282	4279	F	NNC	N	Y	3	3
V	7195	LPD	4278	A029	12	3	4332	4287	G	NNZ	N	Y	45	54
V	7195	LPD	4278	A069	12	3	4339	4287	G	NNZ	N	Y	52	61
V	7195	LPD	4278	A059	12	3	4307	4287	G	NNE	N	Y	20	29
R	20014	LSD	4294	A032	2	1	4325	4304	U	NNZ	Y	Y	21	31
R	20014	LSD	4306	0840	12	3	4348	4320	F	SBM	Y	Y	28	42
R	20014	LSD	4301	0580	5	2	4306	4305	U	NPZ	Y	Y	1	5
R	20014	LSD	4333	W004	2	1	4349	4346	H	NDZ	Y	Y	3	16
R	20014	LSD	4310	0902	5	2	5032	4364	H	NVZ	Y	Y	34	88
R	20014	LSD	4277	W002	2	1	4283	4279	U	NNZ	Y	Y	4	6
R	20014	LSD	4294	0377	12	3	5029	5018	H	NVZ	Y	Y	11	101
R	20014	LSD	4322	0921	12	3	4355	4352	G	NZZ	Y	Y	3	33
R	20014	LSD	4294	0320	5	2	5009	4364	U	NZZ	Y	Y	11	81
R	20014	LSD	4343	W006	2	1	4354	4347	H	NVZ	Y	Y	7	11
R	20014	LSD	4332	1068	5	2	5029	5018	H	SUE	Y	Y	11	63
R	20014	LSD	4331	1044	12	3	5028	5026	9	NVZ	Y	Y	2	63
R	20014	LSD	4328	0939	5	2	5110	4378	H	NOZ	Y	Y	98	148
R	20014	LSD	4278	0142	12	3	4293	4286	9	NDZ	Y	Y	7	15
R	20014	LSD	4295	W003	2	1	4304	4300	H	NDZ	Y	Y	4	9
R	20023	LST	4335	0445	6	2	4352	4345	9	NDZ	Y	N	7	17
R	20023	LST	4335	0418	6	2	4344	4343	9	NDZ	Y	N	1	9
R	20023	LST	4292	0078	13	3	4317	4313	9	NDZ	Y	N	4	25
R	20023	LST	4321	0273	13	3	4352	4348	9	NDZ	Y	N	4	31
R	20023	LST	4335	0419	6	2	4344	4343	9	NDZ	Y	N	1	9
R	20023	LST	4335	0421	6	2	4344	4343	9	NDZ	Y	N	1	9
R	20023	LST	4321	0276	13	3	4348	4348	9	NDZ	Y	N	0	27
R	20023	LST	4293	0089	13	3	4320	4313	9	NDZ	Y	N	7	27
R	20023	LST	4335	0420	6	2	4344	4343	9	NDZ	Y	N	1	9
R	20023	LST	4321	0275	13	3	4349	4348	9	NDZ	Y	N	1	28
V	20031	LST	4275	A005	6	2	4289	4287	9	NNI	N	Y	2	14
V	20031	LST	4286	W110	3	1	4290	4289	U	NNZ	N	Y	1	4
V	20031	LST	4275	A006	6	2	4285	4285	9	NNZ	N	Y	0	10
V	20031	LST	4275	A004	6	2	4285	4285	9	NNG	N	Y	0	10
V	20031	LST	4281	A027	13	3	4314	4297	G	SCI	N	Y	17	33
V	20031	LST	4281	A043	13	3	4299	4295	9	NNI	N	Y	4	18
V	20031	LST	4320	W243	3	1	4352	4350	U	NNZ	N	Y	2	32
V	20031	LST	4281	A025	13	3	4314	4299	G	SUI	N	Y	15	33
V	20031	LST	4285	W108	3	1	4296	4294	U	S9T	N	Y	2	11
V	20031	LST	4275	A003	6	2	4289	4287	9	NNZ	N	Y	2	14
V	20031	LST	4281	A024	13	3	4298	4297	9	NNC	N	Y	1	17
V	20031	LST	4275	A002	6	2	4289	4287	9	NNZ	N	Y	2	14
V	20031	LST	4281	A031	13	3	4310	4296	G	SUC	N	Y	14	29
V	20031	LST	4320	W244	3	1	4352	4350	U	NNZ	N	Y	2	32
V	20031	LST	4286	W111	3	1	4292	4289	H	SCI	N	Y	3	6
R	20057	FF	4275	W090	2	1	4286	4283	F	NNZ	N	Y	3	11
R	20057	FF	4277	0151	12	3	4324	4286	I	NVZ	N	Y	38	47
R	20057	FF	4277	0152	12	3	4324	4286	I	NVZ	N	Y	38	47
R	20057	FF	4298	W441	2	1	4310	4306	F	NOZ	N	Y	4	12
R	20057	FF	4277	0145	12	3	4324	4286	I	NVZ	N	Y	38	47
R	20057	FF	4277	0157	5	2	4296	4286	I	NVZ	N	Y	10	19

R	20057	FF	4276	0136	5	2	4292	4278	H	NVZ	N	Y	14	16
R	20057	FF	4277	0148	12	3	4324	4286	I	NVZ	N	Y	38	47
R	20057	FF	4307	W505	2	1	4362	4320	F	NJZ	N	Y	42	55
R	20057	FF	4277	0158	5	2	4296	4287	I	NVZ	N	Y	9	19
R	20057	FF	4277	0153	5	2	4298	4289	H	NOZ	N	Y	9	21
R	20057	FF	4277	0144	12	3	4324	4286	I	NVZ	N	Y	38	47
R	20057	FF	4298	W440	2	1	4310	4304	F	NNZ	N	Y	6	12
V	20067	FF	4345	A314	3	1	4345	4345	9	NRZ	Y	N	0	0
V	20067	FF	4286	A023	6	2	4290	4288	S	NNZ	Y	N	2	4
V	20067	FF	4286	A018	13	3	4295	4293	S	NNZ	Y	N	2	9
V	20067	FF	4281	A001	3	1	4283	4283	9	NRZ	Y	N	0	2
V	20067	FF	4343	A310	3	1	4343	4343	9	NRZ	Y	N	0	0
V	20067	FF	4343	A313	3	1	4343	4343	9	NRZ	Y	N	0	0
V	20067	FF	4286	A007	6	2	4290	4288	S	NNZ	Y	N	2	4
V	20067	FF	4286	A004	6	2	4290	4288	S	NNZ	Y	N	2	4
V	20067	FF	4286	A006	13	3	4295	4293	S	NNZ	Y	N	2	9
V	20067	FF	4286	A017	6	2	4290	4288	S	NNZ	Y	N	2	4
V	20067	FF	4286	A014	13	3	4295	4293	S	NNZ	Y	N	2	9
V	20067	FF	4286	A013	13	3	4295	4293	S	NNZ	Y	N	2	9
V	20067	FF	4286	A015	13	3	4295	4293	S	NNZ	Y	N	2	9
V	20067	FF	4343	A311	3	1	4343	4343	9	NRZ	Y	N	0	0
V	20067	FF	4286	A003	6	2	4290	4288	S	NNZ	Y	N	2	4
R	20224	LST	4291	F011	13	3	4329	4320	9	NDZ	Y	N	9	38
R	20224	LST	4275	0005	13	3	4311	4283	6	NFZ	Y	N	28	36
R	20224	LST	4291	F005	13	3	4319	4309	9	NDZ	Y	N	10	28
R	20224	LST	4294	F017	13	3	5002	4353	H	SUU	Y	N	15	74
R	20224	LST	4291	F006	13	3	4319	4311	9	NDZ	Y	N	8	28
R	20224	LST	4277	3006	6	2	4298	4284	9	NDZ	Y	N	14	21
R	20224	LST	4277	3013	6	2	4331	4316	7	NNZ	Y	N	15	54
R	20224	LST	4277	3004	6	2	4298	4295	9	NDZ	Y	N	3	21
R	20224	LST	4277	3005	6	2	4312	4295	G	NOZ	Y	N	17	35
R	20224	LST	4275	3002	6	2	4276	4275	9	NDZ	Y	N	1	1
V	20624	CGN	4292	A314	5	2	5218	5152	U	NNZ	N	Y	66	292
V	20624	CGN	4295	W331	2	1	4317	4309	U	NNZ	N	Y	8	22
V	20624	CGN	4300	A399	12	3	4314	4302	U	NNZ	N	Y	12	14
V	20624	CGN	4292	A302	5	2	4308	4296	U	NNZ	N	Y	12	16
V	20624	CGN	4300	A382	12	3	5110	5092	U	NNZ	N	Y	18	176
V	20624	CGN	4295	W332	2	1	4312	4302	U	SRG	N	Y	10	17
V	20624	CGN	4300	A396	12	3	4335	4303	U	SRE	N	Y	32	35
V	20624	CGN	4292	A307	5	2	4303	4298	U	SCI	N	Y	5	11
V	20624	CGN	4281	W113	2	1	5219	5200	U	NNZ	N	Y	19	304
V	20624	CGN	4295	W333	2	1	4313	4303	U	NOI	N	Y	10	18
V	20624	CGN	4290	A246	5	2	4292	4272	U	NNZ	N	Y	20	2
V	20624	CGN	4300	A385	12	3	4335	4303	U	NNZ	N	Y	32	35
V	20624	CGN	4292	A304	5	2	4303	4298	U	SUI	N	Y	5	11
V	20624	CGN	4292	A317	12	3	4310	4296	U	NNZ	N	Y	14	18
V	20624	CGN	4278	W063	2	1	4331	4279	U	NRZ	N	Y	52	53
V	20811	SSN	4298	0024	5	2	4347	4306	9	NIZ	N	Y	41	49
V	20811	SSN	4281	E001	2	1	4298	4298	9	R6X	N	Y	0	17
V	20811	SSN	4281	E004	2	1	4298	4291	F	NNE	N	Y	7	17

V	20811	SSN	4298	0018	5	2	4352	4308	H	SCI	N	Y	44	54
V	20811	SSN	4281	E003	2	1	4298	4298	9	R6X	N	Y	0	17
V	20811	SSN	4298	0022	5	2	4347	4306	9	NIZ	N	Y	41	49
V	20811	SSN	4298	0021	5	2	4347	4308	9	NIZ	N	Y	39	49
V	20811	SSN	4298	0017	5	2	4352	4307	9	NIZ	N	Y	45	54
V	20811	SSN	4285	W005	2	1	4305	4299	Q	FA9	N	Y	6	20
V	20811	SSN	4281	E002	2	1	4298	4298	9	R6X	N	Y	0	17
V	20977	FFG	4291	A104	5	2	5029	5028	9	NBZ	N	N	1	104
V	20977	FFG	4275	A007	12	3	4306	4302	9	NBZ	N	N	4	31
V	20977	FFG	4291	W106	2	1	4313	4311	U	NNZ	N	N	2	22
V	20977	FFG	4275	A005	12	3	4307	4304	9	NBZ	N	N	3	32
V	20977	FFG	4275	A014	12	3	5137	5132	G	SRG	N	N	5	228
V	20977	FFG	4278	A027	5	2	4303	4301	9	NBZ	N	N	2	25
V	20977	FFG	4291	A105	5	2	5116	5114	9	NBZ	N	N	2	191
V	20977	FFG	4275	A016	2	1	5004	4356	9	SRE	N	N	14	95
V	20977	FFG	4299	W192	2	1	4319	4318	9	NBZ	N	N	1	20
V	20977	FFG	4286	A064	5	2	5026	4319	5	NRZ	N	N	73	106
V	20977	FFG	4285	A059	5	2	4326	4320	9	NBZ	N	N	6	41
V	20977	FFG	4275	A006	12	3	4306	4302	9	NBZ	N	N	4	31
V	20977	FFG	4276	A021	12	3	5029	5024	T	NNZ	N	N	5	119
V	20977	FFG	4275	A015	2	1	4276	4276	9	NBZ	N	N	0	1
R	21039	SSB	4278	0030	11	3	4320	4311	U	N66	N	N	9	42
R	21039	SSB	4277	0004	4	2	4324	4314	U	N66	N	N	10	47
R	21039	SSB	4277	0003	4	2	4324	4314	U	N66	N	N	10	47
R	21039	SSB	4290	W119	1	1	5105	4354	U	NRZ	N	N	117	181
R	21039	SSB	4278	0022	11	3	4321	4311	U	N66	N	N	10	43
R	21039	SSB	4284	0069	11	3	4332	4312	9	NUZ	N	N	20	48
R	21039	SSB	4277	0002	4	2	4324	4314	U	N66	N	N	10	47
R	21039	SSB	4278	0024	11	3	5169	5144	H	S9E	N	N	25	257
R	21039	SSB	4277	0005	4	2	4324	4314	U	N66	N	N	10	47
R	21039	SSB	4278	0053	11	3	4320	4311	U	N66	N	N	9	42
R	21039	SSB	4277	0001	4	2	4324	4314	U	N66	N	N	10	47
V	21054	FFG	4275	A024	13	3	4290	4278	X	NBZ	N	N	12	15
V	21054	FFG	4275	A023	13	3	4312	4299	G	NNZ	N	N	13	37
V	21054	FFG	4275	A003	6	2	4291	4280	H	NBZ	N	N	11	16
V	21054	FFG	4275	A002	6	2	4290	4279	H	NBZ	N	N	11	15
V	21054	FFG	4275	A028	13	3	4318	4292	G	NBZ	N	N	26	43
V	21054	FFG	4275	A006	6	2	4290	4279	H	NBZ	N	N	11	15
V	21054	FFG	4275	A029	13	3	4314	4295	G	NBZ	N	N	19	39
V	21054	FFG	4275	A026	13	3	4319	4295	G	NBZ	N	N	24	44
V	21054	FFG	4275	A001	6	2	5008	4295	H	NNZ	N	N	79	99
V	21054	FFG	4275	A004	6	2	4290	4287	U	NNZ	N	N	3	15
V	21199	FFG	4290	A033	13	3	4319	4304	9	NRZ	N	N	15	29
V	21199	FFG	4275	A013	13	3	4318	4282	G	SUE	N	N	36	43
V	21199	FFG	4289	W026	6	2	4347	4321	U	NNZ	N	N	26	58
V	21199	FFG	4275	A020	13	3	4285	4278	9	NRZ	N	N	7	10
V	21199	FFG	4291	A045	6	2	4326	4321	H	NNZ	N	N	5	35
V	21199	FFG	4289	W024	6	2	4304	4292	G	S9E	N	N	12	15
V	21199	FFG	4290	A028	13	3	4318	4307	G	S9C	N	N	11	28
V	21199	FFG	4289	A025	13	3	4319	4304	9	NRZ	N	N	15	30

V	21199	FFG	4291	A044	6	2	4319	4303	9	NRZ	N	N	16	28
V	21438	DDG	4277	0009	6	2	4279	4278	X	NNZ	N	Y	1	2
V	21438	DDG	4276	A004	6	2	4278	4277	9	NNZ	N	Y	1	2
V	21438	DDG	4293	W280	3	1	4297	4296	U	NNZ	N	Y	1	4
V	21438	DDG	4278	A013	6	2	5121	5092	P	S9C	N	Y	29	209
V	21438	DDG	4318	W431	3	1	4346	4325	U	NDZ	N	Y	21	28
V	21438	DDG	4288	A061	13	3	4305	4293	H	SUI	N	Y	12	17
V	21438	DDG	4288	A059	13	3	4299	4292	9	NNI	N	Y	7	11
V	21438	DDG	4289	W138	3	1	4331	4293	H	NDZ	N	Y	38	42
V	21438	DDG	4275	A001	6	2	4275	4275	X	NNC	N	Y	0	0
V	21438	DDG	4284	0055	13	3	4290	4288	9	NNZ	N	Y	2	6
V	21438	DDG	4313	W416	3	1	4318	4317	U	NNZ	N	Y	1	5
V	21438	DDG	4278	0034	6	2	5010	4328	P	GA4	N	Y	48	98
V	21438	DDG	4285	W032	3	1	4298	4297	U	NNZ	N	Y	1	13
V	21438	DDG	4277	0019	13	3	4280	4280	9	NNZ	N	Y	0	3
V	21438	DDG	4284	0056	13	3	4321	4294	9	NNC	N	Y	27	37
R	52612	CGN	4297	0338	6	2	4310	4301	H	SUE	N	N	9	13
V	52684	DDG	4282	A038	12	3	4295	4285	U	NNZ	N	Y	10	13
V	52684	DDG	4284	A039	12	3	4295	4285	U	NNZ	N	Y	10	11
V	52684	DDG	4282	A027	5	2	4306	4282	U	NNZ	N	Y	24	24
V	52684	DDG	4282	A024	5	2	4295	4282	U	NNZ	N	Y	13	13
V	52684	DDG	4279	A012	2	1	4297	4281	U	NNZ	N	Y	16	18
V	52684	DDG	4277	A007	5	2	4280	4278	U	NNZ	N	Y	2	3
V	52684	DDG	4277	A005	2	1	4282	4282	9	R9P	N	Y	0	5
V	52684	DDG	4282	A023	12	3	4311	4282	U	NNZ	N	Y	29	29
V	52684	DDG	4284	A041	12	3	4295	4285	U	NNZ	N	Y	10	11
V	52684	DDG	4278	A010	2	1	4297	4281	U	NNZ	N	Y	16	19
V	52684	DDG	4276	A004	2	1	4287	4277	U	NOZ	N	Y	10	11
V	52684	DDG	4276	A003	2	1	4320	4310	U	NOZ	N	Y	10	44
V	52684	DDG	4284	A040	12	3	4295	4285	U	NNZ	N	Y	10	11
R	52687	CG	4303	W066	2	1	4313	4310	U	NOZ	N	Y	3	10
R	52687	CG	4278	0071	12	3	4292	4281	U	NDZ	N	Y	11	14
R	52687	CG	4278	0068	12	3	4296	4281	U	NDZ	N	Y	15	18
R	52687	CG	4304	W068	2	1	4333	4311	U	NOZ	N	Y	22	29
R	52687	CG	4277	0057	5	2	4292	4277	U	NDZ	N	Y	15	15
R	52687	CG	4294	W584	2	1	4303	4296	F	NNZ	N	Y	7	9
R	52687	CG	4277	0056	5	2	4292	4277	U	NDZ	N	Y	15	15
R	52687	CG	4276	0014	5	2	4286	4276	U	NDZ	N	Y	10	10
R	52687	CG	4277	0055	5	2	4289	4277	U	NDZ	N	Y	12	12
R	52687	CG	4294	W587	2	1	4313	4295	F	NPZ	N	Y	18	19
R	52687	CG	4278	0065	12	3	4343	4281	U	NDZ	N	Y	62	65
R	52687	CG	4278	0075	12	3	4313	4281	U	NDZ	N	Y	32	35
R	52687	CG	4289	A511	2	1	4313	4290	U	NOZ	N	Y	23	24
R	52687	CG	4278	0067	12	3	4343	4281	U	NDZ	N	Y	62	65
R	52687	CG	4278	0069	5	2	4296	4281	U	NDZ	N	Y	15	18
R	52698	CG	4291	W079	2	1	4311	4296	U	NNZ	N	N	15	20
R	52698	CG	4321	0991	3	1	4321	4321	X	NDZ	N	N	0	0
R	52698	CG	4277	0008	13	3	4320	4310	G	NNZ	N	N	10	43
R	52698	CG	4277	0012	13	3	4318	4317	9	NDZ	N	N	1	41
R	52698	CG	4277	0007	6	2	5172	5166	9	NDZ	N	N	6	261

R	52698	CG	4281	A016	6	2	4351	4315	9	NDZ	N	N	36	70
R	52698	CG	4277	0010	13	3	4318	4317	9	NDZ	N	N	1	41
R	52698	CG	4321	W989	3	1	4321	4321	X	NDZ	N	N	0	0
R	52698	CG	4281	A014	6	2	4330	4319	H	NNZ	N	N	11	49
R	52698	CG	4281	0017	13	3	4318	4317	9	NDZ	N	N	1	37
R	52698	CG	4281	0019	13	3	4318	4317	9	NDZ	N	N	1	37
R	52698	CG	4277	0009	6	2	4318	4305	9	NDZ	N	N	13	41
R	52698	CG	4320	W812	3	1	4333	4331	9	NDZ	N	N	2	13
R	52698	CG	4277	0011	6	2	4313	4308	H	NOZ	N	N	5	36
R	52700	CGN	4275	0012	6	2	4291	4289	9	NUZ	Y	N	2	16
R	52700	CGN	4276	0019	6	2	4276	4276	9	NUZ	Y	N	0	0
R	52700	CGN	4276	0034	13	3	4310	4292	B	S9C	Y	N	18	34
R	52700	CGN	4275	0005	6	2	4275	4275	9	NUZ	Y	N	0	0
R	52700	CGN	4276	0026	13	3	4286	4283	9	NUZ	Y	N	3	10
R	52700	CGN	4275	0011	6	2	5143	5102	9	NUZ	Y	N	41	234
R	52700	CGN	4276	0035	13	3	4320	4284	G	NOZ	Y	N	36	44
R	52700	CGN	4276	0033	13	3	4282	4280	9	NUZ	Y	N	2	6
R	52700	CGN	4276	0025	13	3	5003	4330	G	NNZ	Y	N	39	93
R	52700	CGN	4275	0015	6	2	4283	4279	9	NUZ	Y	N	4	8
R	52712	CGN	4297	0429	6	2	4312	4310	H	NNZ	N	N	2	15
R	52712	CGN	4297	0300	6	2	4326	4310	9	NDZ	N	N	16	29
R	52712	CGN	4296	0295	13	3	5148	5145	9	NDZ	N	N	3	218
R	52712	CGN	4297	0308	13	3	5141	5139	9	NDZ	N	N	2	210
R	52712	CGN	4297	0312	13	3	5151	5146	9	NDZ	N	N	5	220
R	52712	CGN	4297	0301	6	2	4309	4308	9	NDZ	N	N	1	12
R	52712	CGN	4297	0442	6	2	4314	4305	9	NDZ	N	N	9	17
R	52712	CGN	4296	0299	13	3	5148	5146	9	NDZ	N	N	2	218
R	52712	CGN	4297	0311	13	3	5141	5138	9	NDZ	N	N	3	210
R	54041	FF	4279	0009	13	3	4290	4282	9	NPZ	N	N	8	11
R	54041	FF	4279	0010	13	3	4290	4282	9	NPZ	N	N	8	11
R	54041	FF	4279	0013	6	2	4290	4280	9	NPZ	N	N	10	11
R	54041	FF	4279	0013	13	3	4290	4282	9	NPZ	N	N	8	11
R	54041	FF	4279	0015	6	2	4290	4280	9	NPZ	N	N	10	11
R	54041	FF	4279	0014	13	3	4290	4282	9	NPZ	N	N	8	11
R	54041	FF	4279	0017	13	3	4310	4288	G	NOE	N	N	22	31
R	54041	FF	4297	W273	3	1	4313	4306	F	NNZ	N	N	7	16
R	54041	FF	4349	W105	3	1	5031	5028	F	NOZ	N	N	3	48
R	54041	FF	4278	0007	6	2	4290	4278	9	NPZ	N	N	12	12
R	54041	FF	4279	0011	6	2	4290	4280	9	NPZ	N	N	10	11
R	54041	FF	4279	0012	6	2	4291	4284	H	NOE	N	N	7	12
R	54048	FF	4282	0082	12	3	4332	4290	H	SUE	N	Y	42	50
R	54048	FF	4287	W135	2	1	4300	4295	9	NDZ	N	Y	5	13
R	54048	FF	4280	0008	5	2	4292	4282	H	NOC	N	Y	10	12
R	54048	FF	4280	0007	5	2	4288	4285	H	NZZ	N	Y	3	8
R	54048	FF	4280	0011	5	2	4288	4283	H	SBG	N	Y	5	8
R	54048	FF	4282	C080	12	3	4290	4284	H	NZZ	N	Y	6	8
R	54048	FF	4282	0087	12	3	4288	4284	H	NZZ	N	Y	4	6
R	54048	FF	4282	0083	12	3	4291	4284	H	NZZ	N	Y	7	9
R	54048	FF	4280	0012	5	2	4288	4282	H	NZZ	N	Y	6	8
R	54048	FF	4280	0009	5	2	4288	4282	H	NZZ	N	Y	6	8

R	54048	FF	4282	0081	12	3	4288	4284	H	NZZ	N	Y	4	6
R	54061	FF	4275	66	13	3	4297	4279	B	NDZ	Y	N	18	22
R	54061	FF	4275	29	6	2	4291	4279	B	NDZ	Y	N	12	16
R	54061	FF	4275	61	13	3	4298	4279	B	NDZ	Y	N	19	23
R	54061	FF	4275	63	13	3	4297	4279	B	NDZ	Y	N	18	22
R	54061	FF	4275	25	6	2	4291	4281	B	NDZ	Y	N	10	16
R	54062	FF	4313	0399	12	3	5023	4333	J	NOG	Y	N	56	76
R	54062	FF	4341	0624	12	3	5048	5008	G	NFZ	Y	N	40	73
R	54062	FF	4324	0509	5	2	4337	4325	J	NOZ	Y	N	12	13
R	54062	FF	4343	F414	12	3	5009	4341	J	SBG	Y	N	34	32
R	54062	FF	4324	0499	5	2	4334	4325	J	NOG	Y	N	9	10
R	54062	FF	4339	0580	12	3	5009	4345	J	NOG	Y	N	30	36
R	54062	FF	4320	0426	5	2	4333	4326	J	NOG	Y	N	7	13
R	54062	FF	4283	0034	12	3	4340	4296	J	NOG	Y	N	44	57
R	54062	FF	4339	0554	5	2	4352	4343	J	NOG	Y	N	9	13
R	54062	FF	4320	0424	5	2	5177	5170	H	NNZ	Y	N	7	223
V	54063	FF	4283	A017	12	3	4303	4287	H	NBZ	N	Y	16	20
V	54063	FF	4285	A024	6	2	4309	4297	7	P58	N	Y	12	24
V	54063	FF	4285	A023	6	2	4318	4309	H	NNZ	N	Y	9	33
V	54063	FF	4279	A007	12	3	4303	4286	H	S9G	N	Y	17	24
V	54063	FF	4285	A020	13	3	4303	4294	G	NBZ	N	Y	9	18
V	54063	FF	4283	A016	12	3	4303	4287	H	NBZ	N	Y	16	20
V	54063	FF	4287	A030	13	3	4296	4295	G	NNZ	N	Y	1	9
V	54063	FF	4278	W001	2	1	4294	4280	Q	NBZ	N	Y	14	16
V	54063	FF	4287	A038	6	2	4318	4289	H	NBZ	N	Y	29	31
V	54063	FF	4292	W076	3	1	4307	4294	Q	S9E	N	Y	13	15
V	54063	FF	4279	W005	2	1	4294	4280	F	NNZ	N	Y	14	15
V	54063	FF	4282	W008	2	1	4296	4284	F	NNZ	N	Y	12	14
V	54063	FF	4285	A021	6	2	4303	4290	H	NBZ	N	Y	13	18
V	54063	FF	4285	A019	6	2	4307	4289	F	S9M	N	Y	18	22
V	54063	FF	4279	W004	2	1	4294	4281	F	NNZ	N	Y	13	15
R	54072	FF	4277	16	3	1	4338	4301	H	NNZ	N	N	37	61
R	54072	FF	4342	963	3	1	5108	5088	F	NDZ	N	N	20	132
R	54072	FF	4297	400	3	1	4342	4336	F	NOZ	N	N	6	45
R	54072	FF	4278	75	13	3	4285	4282	D	NPZ	N	N	3	7
R	54072	FF	4278	76	13	3	4355	4305	H	S9G	N	N	50	77
R	54072	FF	4278	77	13	3	4285	4282	D	NDZ	N	N	3	7
V	58179	LST	4280	A015	5	2	4293	4282	9	NNZ	N	Y	11	13
V	58179	LST	4280	A013	12	3	4365	4305	9	NNZ	N	Y	60	85
V	58179	LST	4277	W003	2	1	4310	4293	N	S9G	N	Y	17	33
V	58179	LST	4277	W006	2	1	4287	4278	F	NNZ	N	Y	9	10
V	58179	LST	4280	A011	12	3	4312	4291	9	NNZ	N	Y	21	32
V	58179	LST	4280	A012	12	3	4300	4287	H	NNZ	N	Y	13	20
V	58179	LST	4280	A014	12	3	4359	4353	H	S9I	N	Y	6	79
V	58179	LST	4277	W004	2	1	4287	4279	N	NNZ	N	Y	8	10
V	58179	LST	4280	A016	5	2	4343	4293	H	FLZ	N	Y	50	63
V	58179	LST	4280	A018	5	2	4288	4283	H	B16	N	Y	5	8
V	58179	LST	4277	W002	2	1	5035	5027	N	S9C	N	Y	8	124
V	58179	LST	4280	A009	5	2	4293	4283	H	NNZ	N	Y	10	13
V	58179	LST	4277	W005	2	1	4293	4284	F	S9C	N	Y	9	16

V 58179 LST 4280 A017 5 2 4293 4282 9 NNZ N Y 11 13
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