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MEASUREMENT OF SOIL MOISTURE TRENDS

WITH AIRBORNE SCATTEROMETERS

by

Cheryl L. Jones

Marshall J. McFarland

Wesley D. Rosenthal

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February 1982

Supported by:

National Aeronautics and Space Administration

Goddard Space Flight Center

Beltsville, Maryland

Contract NSG-5134

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**TEXAS A&M UNIVERSITY
REMOTE SENSING CENTER
COLLEGE STATION, TEXAS**



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PREFACE

The final report of Project RSC-3458, "Measurement of Soil Moisture Trends with Airborne Scatterometers" is divided into three volumes. The first volume deals primarily with the work completed by Dr. Sidney Theis relating multispectral (visible through microwave) information to soil moisture trends in bare and vegetated fields. The second volume deals primarily with the work of Dr. Wesley Rosenthal in relating the same multispectral data sets to agricultural crop classification and biomass estimation. The third volume by Ms. Cheryl Jones, details field work, aircraft schedules, data processing and calibrations, and the final data sets.

ABSTRACT

Guymon, Oklahoma and Dalhart, Texas were the sites for an experimental program designed to investigate aircraft multisensor responses to soil moisture and vegetation in agricultural fields. An intensive ground sampling program was conducted in conjunction with aircraft data collected for visible/infrared and passive and active microwave systems. The period of study at Guymon was August 1 through 18, 1978 and at Dalhart from August 13 through 19, 1980.

INTRODUCTION

In order to evaluate the potential of multisensor satellite systems for crop yield estimates and hydrologic applications, an aircraft remote sensing experiment was conducted in agricultural areas near Guymon, Oklahoma and Dalhart, Texas. Detection of soil moisture related parameters was investigated over a wide range of conditions with visible and microwave sensors.

In 1978 the Guymon study was primarily aimed at evaluating soil moisture detection with airborne scatterometers and correlating this data with concurrent Seasat SAR data (see Blanchard et al., 1981). The Dalhart project in 1980 was expanded to include studies of vegetation. The results of these studies and recommendations of optical sensor combinations are discussed in accompanying reports by Rosenthal and Theis.

Both experiments were designed with an extensive ground sampling program for correlation with temporal aircraft data. The field work was completed by cooperative efforts of the Remote Sensing Center at Texas A&M University and the Remote Sensing Department of the University of California at Santa Barbara.

SCOPE OF THE REPORT

This paper is one of three final reports for NASA Contract NSG-5134. The report summarizes the experimental program design, collection of field and aircraft data and processing procedures. Discussed first are the site selections and differences between the Guymon and Dalhart studies. Each project is then detailed individually with field notes summarized in Appendices A and C. Final data sets are presented in Appendices B and D.

Results of the analysis on the Guymon and Dalhart data sets are documented in the accompanying reports by W. Rosenthal who investigates multispectral combinations for crop classification and biomass estimation and by S. Theis who analyzes the same data sets on the basis of soil moisture detection.

SITE SELECTIONS

The Panhandle area of Oklahoma and Texas was selected for the experiment on the basis of topography, crop variety, uniform surface soil, irrigation practices and field size. In the first study Guymon was also chosen for its coinciding location to an intended crossover of Seasat passes (Blanchard, 1981).

Western Texas and Oklahoma have reasonably uniform soil surfaces and low relief topography. Since radar backscatter is affected by relief changes and to some degree soil types, this region helped to eliminate those variables.

Guymon and Dalhart were chosen primarily for their large fields and irrigation practices. The Panhandle region is blocked into one mile sections with generally one crop type per quarter section. In the experiment a test field was considered one half of a quarter section or 80 acres. This size field offered a sufficiently large area for data collection with the aircraft.

Irrigation practices in the region typically utilized one center pivot sprinkler system per quarter section. This practice was ideal for temporal examination of soil moisture. Although the pumping capacities and application rates of the sprinkler systems varied among the fields, the time required for each rig to circle the quarter section allowed each point in the field to dry down substantially. The ability to examine a point's dry down curve was a crucial element for analyzing a particular sensor's sensitivity to changes in soil moisture and as an indicator of depth penetration in the microwave bands.

The two test sites offered a variety of crop types along the flight lines. They included fallow wheat fields and pasture, along with milo and alfalfa in Guymon and mature corn in Dalhart. Some milo and alfalfa fields in Dalhart were sampled but only for biomass samples for the vegetation study.

PROJECT CHANGES

While the Guymon and Dalhart studies were very similar in design, there were several noteworthy modifications made in Dalhart. Some of the changes were dictated by time restrictions or physical differences in the sites. Many of the modifications were important improvements.

In the initial selection of fields in Dalhart, the only irrigated fields selected were those with a center pivot sprinkler system which provided uniform water applications and easy monitoring. Some of the fields in Guymon had flood irrigation rather than center pivot systems. This created problems in analysis because the water application was not uniform across the field. As a result, the ground sampling and area sampled by the line sensors did not always coincide in Guymon.

Most of the changes in the Dalhart experiment involved improvements in the ground data collection. During the analysis of the time series plots from Guymon, an unusual pattern of soil moisture values appeared in one of the fields. There was a consistently large variance in values every other sampling day while no precipitation or irrigation events were reported. Investigation into the problem revealed that the variance directly corresponded to alternating samplers in the field. Therefore, in Dalhart each field was sampled by the same team and each point by the same person throughout the experiment. The consistency in the field values improved as a result.

Ancillary field data were expanded and improved in Dalhart. Crop and moisture conditions at each point, rig positions, and air and soil temperature readings were documented in the field every sampling day. Nine rain gauges were positioned along the flight lines and

monitored daily. In Guymon, there were no rain gauges and several fields had to be deleted from the data set because soil moisture values could not be confidently extrapolated when two rain events with sporadic distribution went through the area between the field sampling schedules. Had a quantitative measure of precipitation been available soil moisture estimates could have been computed.

Additional check systems in the lab procedures in Dalhart were an important improvement. All soil samples were stored after processing and gravimetric soil moisture values were computed daily. Team leaders were responsible for plotting and reporting questionable values in their fields. In this way we were able to recognize and reweigh questionable samples immediately. In Guymon there was no verification of deviate values since comparative graphical analysis was done long after soil samples had been discarded.

Several of the changes in Dalhart were not necessarily improvements but were alterations best adapted to the project. The very uniform soils in Dalhart permitted a substantial scale down of the texture analysis done in Guymon. The number of samples were reduced in Dalhart, too. The 5-9 and 9-15 cm soil samples were combined in Dalhart as one 5-15 cm sample. Deeper depths (15-45 cm) in the unirrigated fields that were difficult to sample were eliminated from the sampling schedule.

Biomass samples were included in the Dalhart program for a vegetation study. This aspect of the study is fully discussed in the final report by Rosenthal.

High altitude flights were added to the Dalhart flight schedule in order to provide smaller scale photography. Prints from this

coverage were used to produce a mosaic of the test site for easy reference and presentation.

The data processed for Guymon and Dalhart in the visible portion of the spectrum came from two different instruments. In Guymon a modular multispectral scanner was utilized. In Dalhart data from a NS001 thematic mapper were processed. Similar channels from each were selected to facilitate comparison.

Due to mechanical problems with the aircraft the Dalhart project was reduced to three flight days with an extra data set collected on August 16.

Significant differences between the projects discussed here are also noted within the relevant sections.

GUYMON PROJECT

Introduction

The first project of the experimental program was conducted from August 1 through August 18, 1978 approximately 20 kilometers southwest of Guymon, Oklahoma. Figure 1 illustrates the general area where the project was conducted. Field work was organized in conjunction with flights made every three days by NASA C-130 aircraft equipped with aerial cameras, scanners, radiometers and scatterometers. Ground work was scheduled so that every field was sampled within 24 hours of an aircraft overpass.

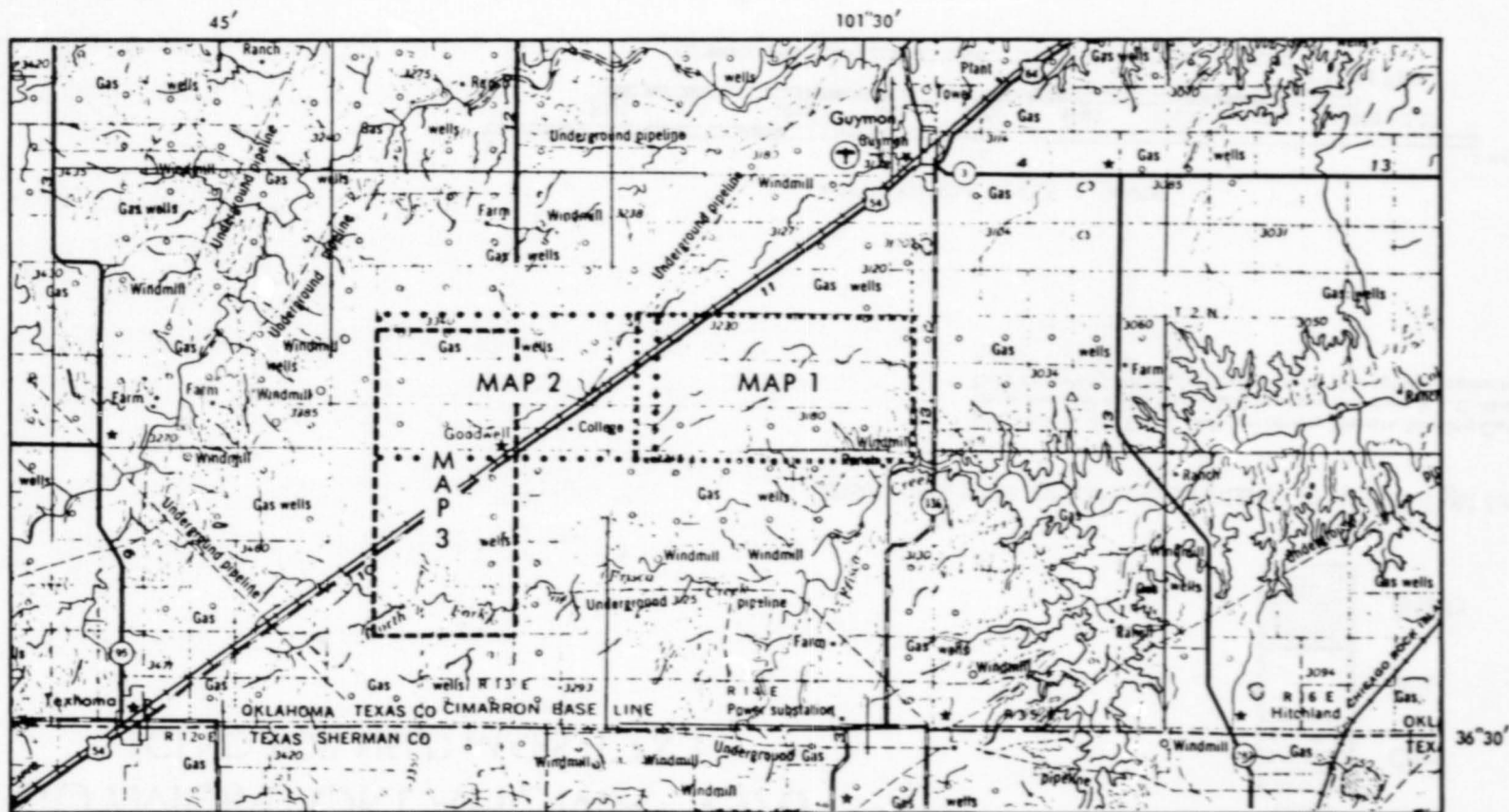
Ground data from 22 fields were processed daily in a lab set up at Panhandle State University in Goodwell, Oklahoma. The lab processed over 9,000 soil samples during the experiment plus ancillary samples for bulk density and texture analysis.

Following the data collection in Guymon the bulk of the data were processed and analyzed at the Remote Sensing Center at Texas A&M University.

Field Selections

Each of the 22 fields in the Guymon study was one half of a quarter section with the long axis of the field parallel to the flight lines as illustrated in Figures 2a through 2d.

Two control sites were set up in summer fallow wheat fields subdivided as 6, 14, 21, and 26. The surfaces of the fields were uniformly disked and both sites had center pivot irrigation systems.



GUYMON AREA MAP
 INDEX TO FIELD MAPS
 Approximate scale 1:250,000



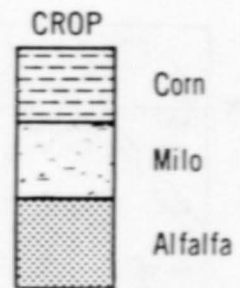
FIGURE 1. General experiment area and field map index for Guymon study.

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GUYMON, OKLAHOMA 1978

LEGEND FOR FIELD MAPS 1,2 & 3



Consult field notes for row crop orientation to aircraft flight lines.

Prepared by the Texas A&M University Remote Sensing Center.
Base data compiled from USGS topographic maps, R.S.C. team
field notes and NASA contracted aerial photography collected
August 2-17, 1978.

APPROXIMATE SCALE 1:49000

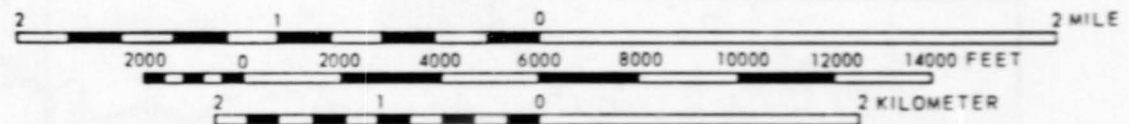
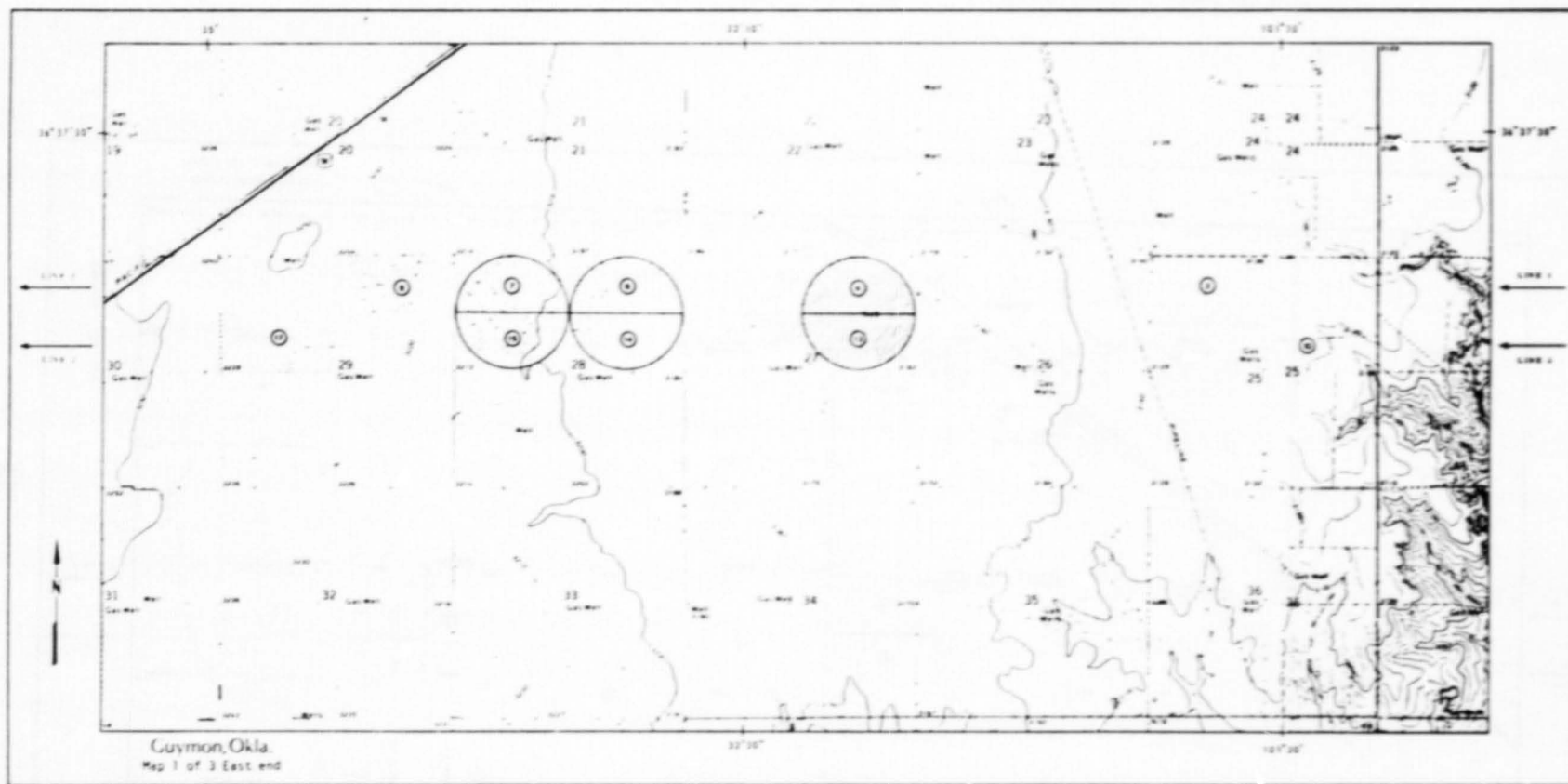


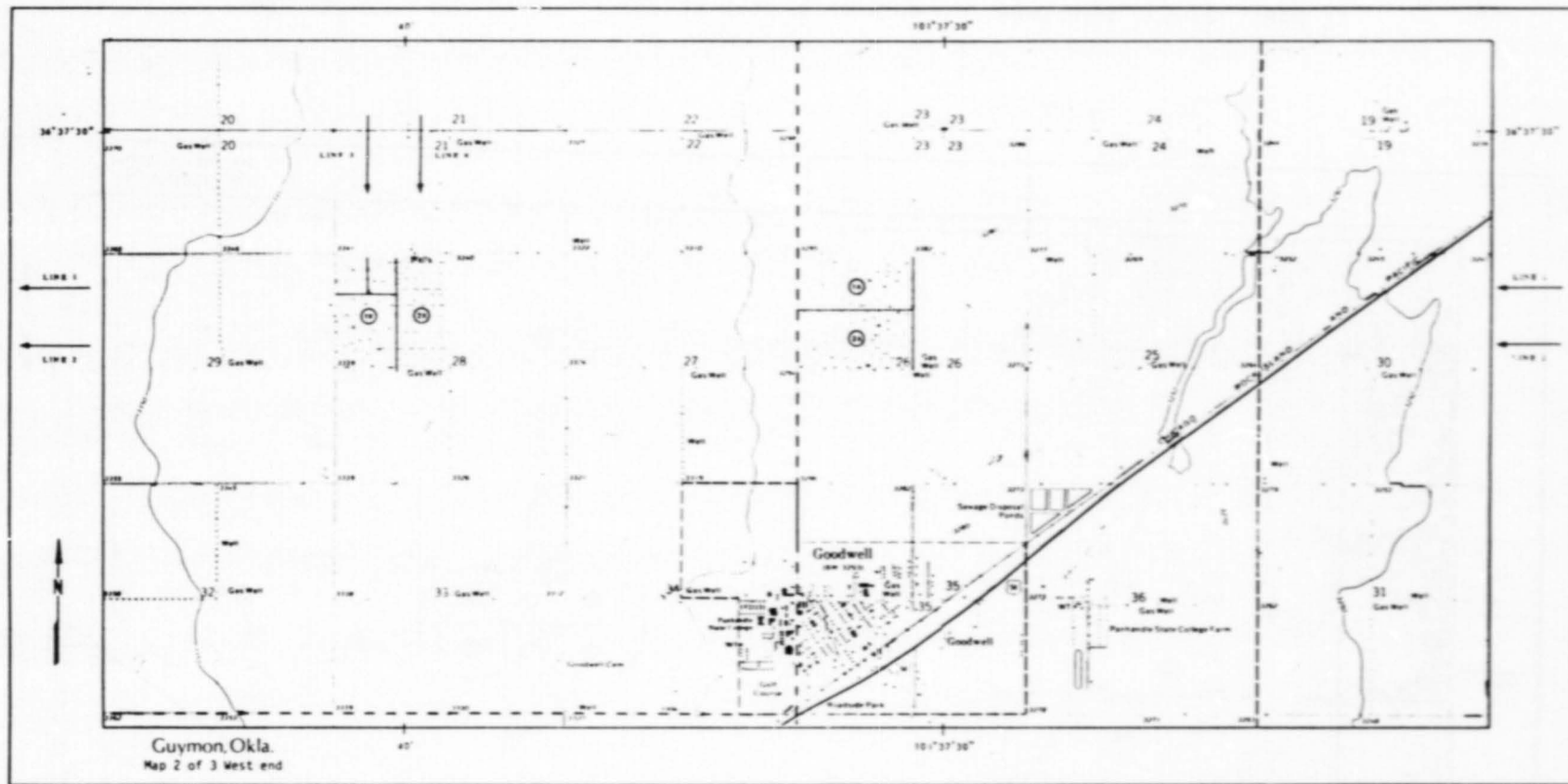
FIGURE 2a. Legend for Guymon field maps.

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FIGURE 2b. Location of sample fields in Guymon, East end, Lines 1 and 2.



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FIGURE 2c. Location of sample fields in Guymon, West end, Lines 1 and 2.

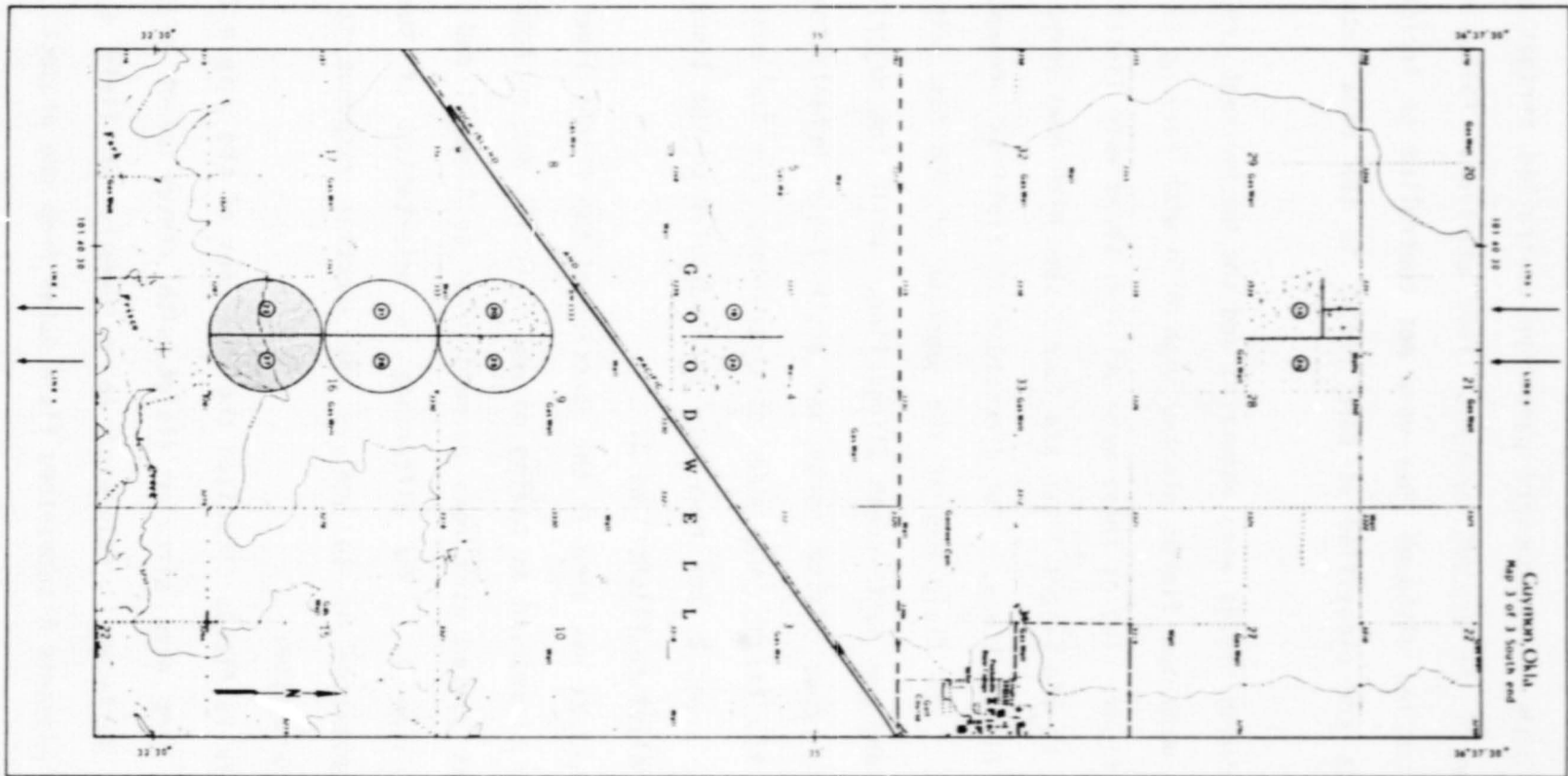


FIGURE 2d. Location of samples fields in Guymon, South end, Lines 3 and 4.

Arrangements with the landowners permitted controlled irrigation at the discretion of the project manager. Four additional fallow wheat fields were sampled although they were not controlled or irrigated. (Fallow fields are classified as bare fields in the data sets and analysis).

The remaining fields were vegetated and the predominant crop was milo. There were ten fields planted with milo with varying tillage and row directions. Two of those were drilled, three were listed with rows parallel to the flight lines and four listed with rows perpendicular to the flight lines. Row directions in field 1X presented a special case. The field was at the junction of the two east-west flight lines and one north-south flight line. While the majority of the field had rows listed north and south their orientation was dependent on the flight line under consideration. For the east-west flight lines, 1 and 2, the rows were perpendicular to the lines; the rows were parallel to flight line 3.

Bare field 2X was also at the junction of the flight lines. It was initially classified as having no row direction but on August 17 the field was listed with rows perpendicular to lines 1 and 2 and parallel to line 4. The difference in orientation of the row directions permitted us to analyze the spectral response to this "roughness" parameter.

Four alfalfa fields comprised the remainder of the sample fields in Guymon. They were circular fields with center pivot rigs and smooth soil surfaces. Following is a summary of field surface conditions. Appendix A summarizes field notes from the project.

<u>Surface Condition</u>	<u>Fields</u>
Summer fallow	2,10,17,21,26
Irrigated August 1	14
Irrigated August 14	6
Listed parallel August 17	2x
Circular Irrigated Alfalfa	4,13,22,27
Milo	
6" high, drilled	7,15
3' high, parallel rows	8,1x,1a,2a
3' high, perpendicular rows	19, 24, 20, 25

Sampling Schedules

The primary objective of the field work was to collect soil moisture samples for correlation with aircraft data. More than 9,000 soil samples excluding bulk density and deep core samples were collected over a two and a half weeks period.

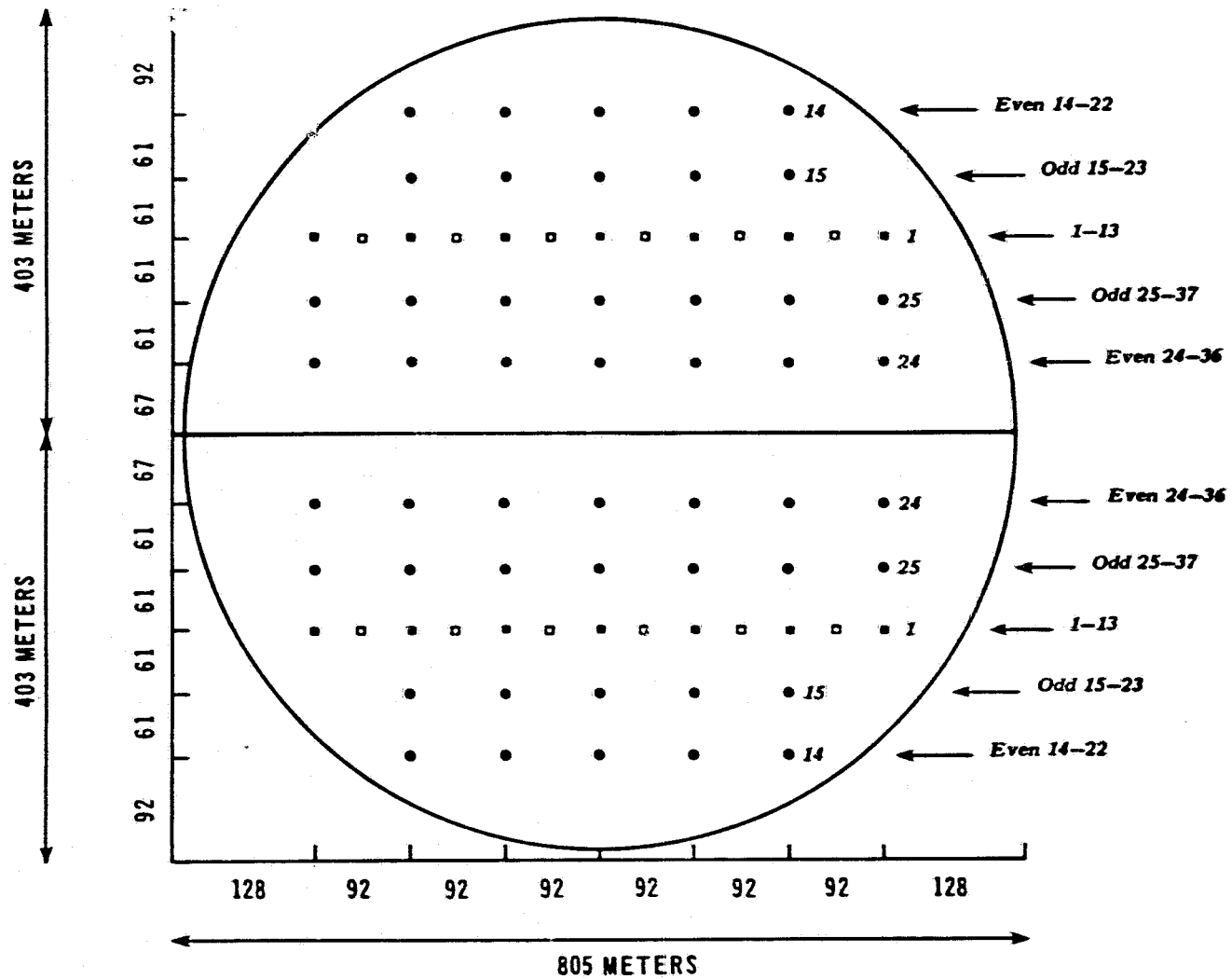
The sampling schedule in Guymon was organized so that every field was sampled within 24 hours of the flight time. Each field was also sampled at a regular time frame scheduled around the normal hours of flight overpasses (generally 8-11 a.m.). Nine fields were sampled on the day before a flight day, five fields on a flight day and eight fields the day after a flight day. Thus each field was sampled every 3 days. The sampling schedule is summarized in Table 1.

Normally eight points per field were sampled but in three of the control fields a more intensive sampling network was designed. Fields 6, 14 and 21 were sampled at 37 points as illustrated in Figure 3. Field 21 was sampled this intensively only on the first flight date. Subsequently the sampling pattern was decreased to eight points because it was not irrigated during the experiment. Fields 6 and 14 were intensively sampled throughout the experiment.

TABLE 1. Guymon ground sampling schedule.

	SAMPLE FIELD NUMBER															
	2	10	4/13	6/14	7/15	8	17	1a	2a	2X	1X	19/24	20/25	21	26	22/27
1	X	X				X	X		X	X	X	X				
2*				X									X	X		
3			X		X			X							X	X
4	X	X				X	X		X	X	X	X				
5*				X									X	X		
6			X		X			X							X	X
7	X	X				X	X		X	X	X	X				
8*				X									X	X		
9			X		X			X							X	X
10	X	X				X	X		X	X	X	X				
11*				X									X	X		
12			X		X			X							X	X
12	X	X				X	X		X	X	X	X				
14*				X									X	X		
15			X		X			X							X	X
16	X	X				X	X		X	X	X	X				
17*				X									X	X		
18			X		X			X							X	X

*denotes flight days



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FIGURE 3. Sampling pattern for intensively sampled fields in Guymon.

Figure 4 illustrates the typical sampling pattern in the fields. Note that in the circular fields with pivot rigs, points 1 and 7 or 2 and 8 were moved inside the circular boundary.

At each of the eight points seven depth increments (0-2, 2-5, 5-9, 9-15, 0-15, 15-30, 30-45 cm) were sampled as shown in Figure 5. The center line points in the intensive sample fields were only sampled to a depth of 15 cm (0-2, 2-5, 5-9, 9-15 cm). The concentration of points 1 through 13 down the center of these fields was designed to insure that a sufficient number of samples were available for the shorter wavelength scatterometers with their narrow ground coverage.

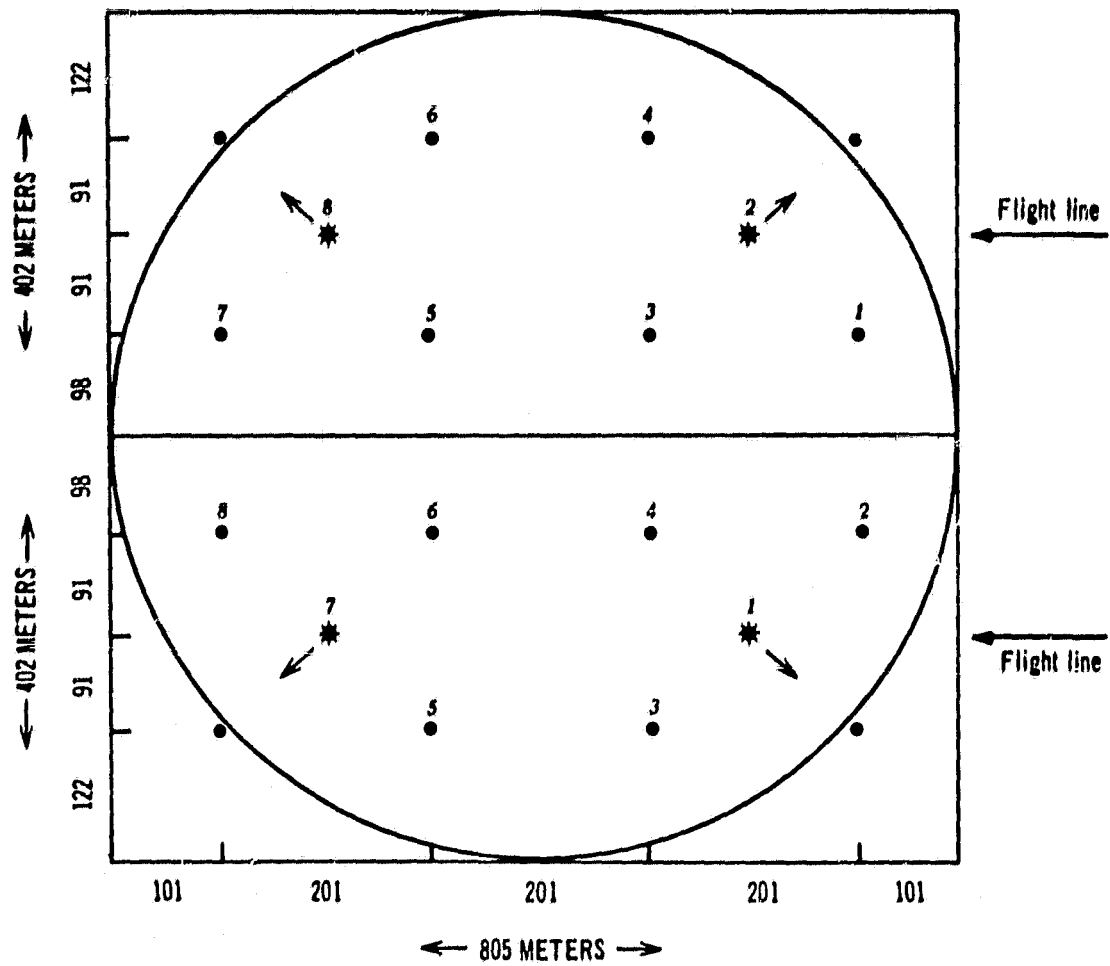
In addition to the gravimetric soil samples, bulk density samples were collected in every field for computation of volumetric values. Additional density sampling in a field was only repeated when warranted by a change in field conditions such as plowing.

While samples were collected for soil moisture data it was also important to identify the soil texture in each field. Samples processed for soil moisture were used in the texture analysis. A complete soils lab was available at Panhandle State University in Goodwell, Oklahoma. Every depth in each field was analyzed and although there were some small areas of caliche, the soil composition in the fields varied only slightly. A general description of the soils in the test fields was a silty clay averaging 35% clay, 35% silt, and 30% sand.

Sampling Techniques

The seven depths sampled at each point in the field were extracted with two types of tools. Specially designed trowels shown

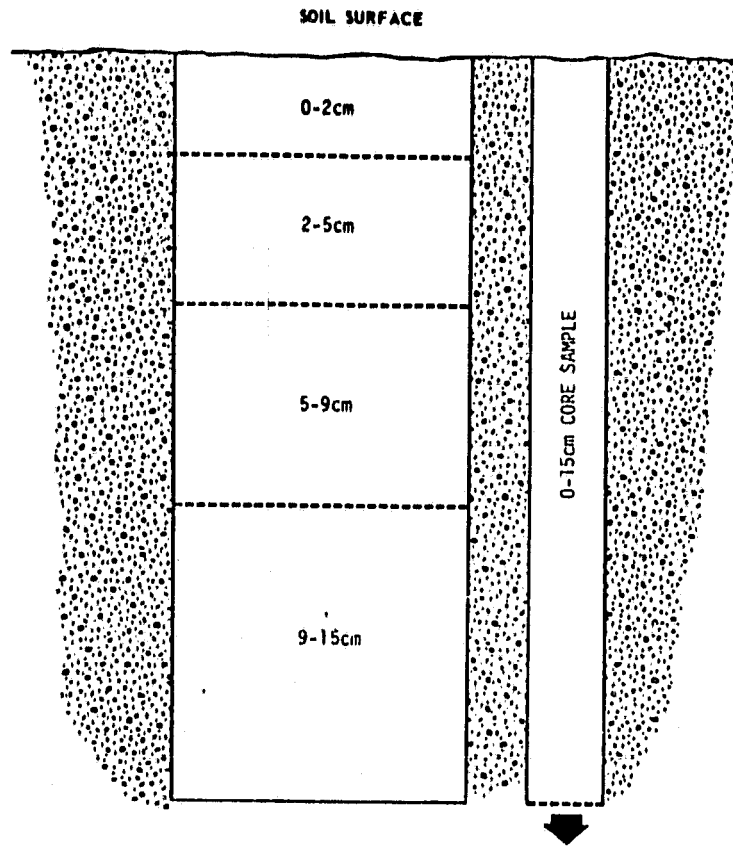
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* These points were moved outside the pivot boundary for non-circular fields.

FIGURE 4. Sampling pattern in Guymon and Dalhart.

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Core sampling also included 15-30 and 30-45 cm samples.

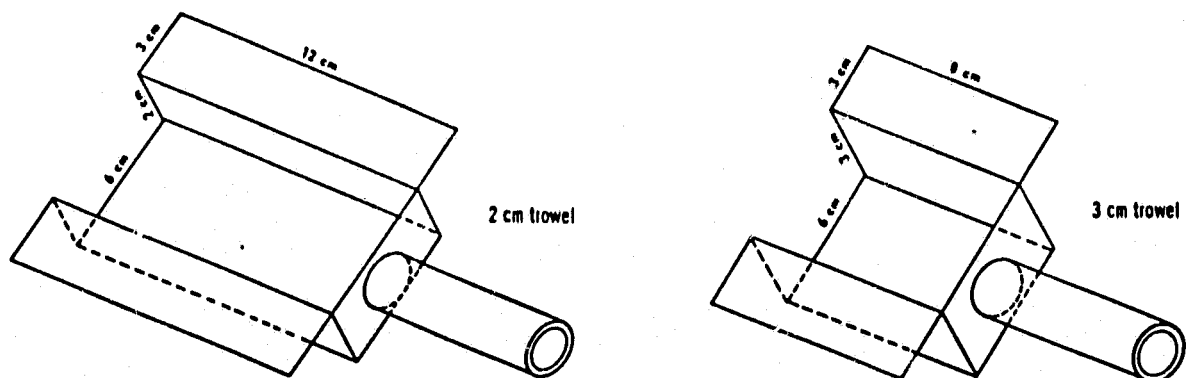


FIGURE 5. Soil sampling depths in Guymon. In Dalhart the 5-9 and 9-15 cm were combined. The sampling trowels illustrated were used for sampling the top 15 cm in Dalhart and Guymon.

in Figure 5 were developed to simplify and standardize soil sampling in the top 15 cm, in intervals of 0-2, 2-5, 5-9, and 9-15 cm. A standard 1 inch soil test core tube was utilized for the deeper samples of 15-30 and 30-45 cm and a composite sample of 0-15 cm. Sampling the 0-15 cm depths with a trowel proved more reliable than with a core tube where compaction of soil and loss of dry surface portions in transferring the sample to the cup were a problem.

Sampling with a trowel was accomplished by digging a hole with one vertical side and with sufficient room to push the tools into that side at a perpendicular angle. Each tool was used alternately to shave the top 2 sample layers of soil (0-2, 2-5 cm). For each of the next two layers, the trowels were filled twice to an etched line to fill the sample cups. Standard 8 oz paper cups were used for both the trowel and core samples, with the date, field point number, depth increment and sampler's initials designated on the outside of the cup. As each cup was filled it was covered immediately with plastic wrap and a conventional plastic lid to prevent moisture loss. When each team had finished sampling their assigned fields the samples were transported to the lab for processing.

Sample Processing

Sample processing was handled in a lab set up at Panhandle State University in Goodwell, Oklahoma. The lab enabled us to dry the samples immediately thus preventing soil moisture loss from the cups. By operating the lab 24 hours a day we were able to process the large number of samples collected each day.

As samples came in from the field they were weighed to 1/10th of a gram. This value was recorded as the sample's "wet" weight. Lids and plastic wrap were then discarded and the samples were dried in a conventional microwave oven. When a periodical weighing of two samples in each oven showed no more than 1/100 of a gram loss in weight the samples were considered dry. All samples in that oven were removed, weighed and their "dry" weights recorded. The tabulation of gross, wet and dry weights was used to calculate soil moisture values. Processing beyond this point was continued at the Remote Sensing Center at Texas A&M University.

Data Processing

Weights recorded by the lab were entered into a programmable calculator. An average weight for cup, lid and seal was subtracted from the weights and a gravimetric soil moisture computed. These values were converted to the volumetric values with computation of the bulk density in each field.

Time series plots were generated to graphically examine the soil moisture values. Volumetric values for each field, point and depth were plotted against time to illustrate each point's response to moisture during the experiment. By incorporating precipitation events and irrigation schedules, it was possible to produce dry down curves for each depth at each point.

This time series plot was utilized for two reasons. One, it accentuated deviate values and two, it provided a means of extrapolating soil moisture values for those fields not sampled on a flight day (in order to correlate ground and aircraft data). Where the decay

curve for each field intersected the time of an aircraft pass on the graph, the corresponding value was recorded as the new or normalized soil moisture value.

A case in point can be illustrated by one of the dry unirrigated fields. The time series plot indicated an alternating high and low set of values for each depth even though there had been no precipitation events. Backtracking to the original lab sheets it was discovered that the unwarranted value changes coincided with personnel who switched off sampling every other day. Even though both persons were experienced in soil sampling it was evident that maintaining the same samplers in each field was necessary. In fact, this was mandatory in the field work in Dalhart.

Once all the soil moisture values were verified and normalized to flight days, the values had to be segregated for the different aircraft sensors.

Averages for Line Sensors

Averaging all sample points in the field was an adequate estimate of soil moisture for the scanners, but it was not necessarily the best estimate of soil moisture under the narrower beamwidth line sensors. To generate a list of sample points within the field of view of the scatterometers and radiometers, it was necessary to plot the exact path of each aircraft pass. The principal points were delineated on each frame of photography that covered the fields and transferred to fields maps with a zoom transfer machine. The precise flight paths took form when the principal points were connected. To discriminate which sample's points fell within the beamwidth of the line sensors,

overlays of the field point locations and scaled sensor swaths were placed over each field. Since a minimum of four sample points per field were required for the average, points that fell within the largest beamwidth of the line sensors were the same for those of the narrowest beamwidth. In the case where a flight line ran exactly midfield (crossing only two sample points) all eight sample points in that field were averaged. The final data set lists first the eight point average of every field and then the soil moisture averages under the line sensors (see Header Information in Appendix B).

Aircraft Schedule

The Guymon aircraft flight schedule followed a three day cycle with coverage along four flight lines. Lines 1 and 2 extended along an east-west track for 16 kilometers and Lines 3 and 4 over a north-south track of 8 kilometers.

There were a total of 6 flight days in Guymon--August 2, 5, 8, 11, 14 and 17. The aircraft employed was a NASA C-130. Each flight over the test site was made at an altitude of approximately 500 meters between 8:30-10:30 a.m. In addition to the project site the aircraft flew over Lake Meredith, north of Amarillo, Texas at the beginning and end of the flight day. Data collected over the lake were intended for calibration purposes and are referenced in the flight logs as lines 6 and 7. The aircraft schedule is summarized in Table 2.

Turbulence problems on August 14 required run 1 to be re flown as run 3. All data from run 1 were eliminated. There was also an extra set of runs flown on August 8. They are referenced as lines 5 and 8 in the flight logs. These flights were made diagonally across the

TABLE 2. Summary of the aircraft schedule in Guymon.

DATE 1978	PHOTO FILM ROLL #	DATA SET	APPROX TIME	RUN #	LINE #	RADIOMETER OPERATING		SCATTEROMETER OPERATING				NOTES			
						L	C	13.3	4.75	1.6	.4				
8/2	86-CIR	1	8:45 AM	1	6	X		X	X		X	H ₂ O calibrations			
				2	6		X			X		H ₂ O calibrations			
				1	1							X			
				1	3								X		
				1	2									X	
				1	4					X				X	
				2	1			X							
				2	3										
				2	2										
				2	4										
8/5	89-B&W	2	10:45 AM 8:45 AM	1	7	X						H ₂ O calibrations			
				2	7		X				X	H ₂ O calibrations			
				1	6	X							H ₂ O calibrations		
				2	6		X					X	H ₂ O calibrations		
				1	1								X		
				1	3									X	
				1	2										
				1	4					X				X	
				2	1			X							
				2	3										
8/8	90-B&W	3	11:30 AM 8:30 AM	2	4										
				1	10		X					X	flights over		
				1	9		X						X	Clayton, New Mexico	
				1	7		X		X				X	H ₂ O calibrations	
				2	7		X		X				X	H ₂ O calibrations	
				2	6			X					X	H ₂ O calibrations	
				1	1									X	
				1	3										X
				1	2										
				1	4					X					X
8/8	90-B&W	3	12:30 PM	2	1	X									
				2	3										
				2	2										
				2	2										
				2	4			X							
				1	8				X					X	
				1	5				X					X	
				1	7			X						X	
				1	7					X				X	
				2	7				X					X	

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TABLE 2. Continued.

DATE 1978	PHOTO FILM ROLL #	DATA SET	APPROX TIME	RUN #	LINE #	RADIOMETER OPERATING		SCATTEROMETER OPERATING				NOTES
						L	C	13.3	4.75	1.6	.4	
8/11	107-B&W	4	10:45 AM	1	6	X		X	X		X	H ₂ O calibrations
				2	6		X			X	H ₂ O calibrations	
				1	1							
				1	3							
				1	2							
				1	4			X				X
				2	1			X				
				2	3							
				2	2							
				2	4							
8/14	108-B&W	5	12:30 PM 8:45 AM	1	7	X						H ₂ O calibrations
				2	7		X			X	H ₂ O calibrations	
				1	6	X					X	H ₂ O calibrations
				1	1							X
				1	3							
				1	2							
				1	4			X				X
				2	1			X				
				2	3							
				2	2							
8/17	117-B&W	6	8:45 AM	2	4	X					X	Run 3 flown due to turbulence problems on Run 1
				3	1		X				X	
				3	3							
				3	2							
				3	4			X				X
				1	7	X						X
				2	7			X				X
				1	6	X						X
				2	6			X				X
				3	6	X						
8/17	117-B&W	6	8:45 AM	1	1						X	H ₂ O calibrations
				1	3							X
				1	2							
				1	4			X				X
				1	1							
				2	1	X						
				2	3			X				
				2	2							
				2	4							
				1	7	X						
2	7		11:00 AM			X			X	H ₂ O calibrations H ₂ O calibrations		

test site to correspond with intended Seasat passes. Also flown for the Seasat project was a set of flights over Clayton, New Mexico. The flights are listed as lines 9 and 10 in the flight logs on August 5.

The array of sensors flown in the project included a multifrequency scanner, 2 microwave radiometers, 4 scatterometers, a Barnes PRT-5 thermal radiometer, and an aerial camera.

Aerial Photography

The photographic coverage over Guymon with a 9" Zeiss camera provided a visible record of changes in the sample fields and facilitated a means of tracking the exact path of the aircraft along the flight lines. Nine rolls of film in black and white and color infrared over Guymon exist, labeled as mission #383 (rolls 86, 87, 89, 90, 107, 108, 109, 117, and 408). Kodak 2443 color infrared film was shot only on the first flight day, August 2, with subsequent flights using black and white #2402 film. The film rolls include all runs flown on each flight day plus additional photography flown diagonally across the site for correlation with Seasat data. Film rolls #89 and 90 (August 5 and 8, respectively) contain the diagonal flights. Roll #408 (August 17) is a higher altitude, privately contracted flight over Guymon and over Clayton, New Mexico which was the location site for a Seasat pass. The color infrared film used on this flight was poorly processed and exhibits substandard color rendition.

Modular Multifrequency Scanner - MMS

The visible and infrared bands processed from the multispectral scanner were as follows:

Channel 4: 548 - 583 nm
Channel 7: 662 - 701 nm
Channel 8: 703 - 747 nm
Channel 9: 770 - 863 nm
Channel 11 (thermal): 8,000 - 12,080 nm

The scanner resolution was 8 meters.

Channel 11 was calibrated by PRT-5 temperatures. Greymaps were produced from the channel in order to obtain field averages for the MMS data and time boundaries for the microwave data. Along one side of the greymaps, the line numbers off the tape were printed. These reference points were used in conjunction with a grafpen interfaced with the computer to generate field averages for all the MMS channels. Times were printed on the other side of the greymap for designating stop and start times in each field for the microwave data.

Multifrequency Microwave Radiometer - MFMR

The frequencies of passive microwave data in Guymon were 4.75 GHz (C-band) with horizontal polarization and 1.6 GHz (L-band) with horizontal and vertical polarizations. The juxtaposition of the radiometers on board the aircraft required their operation on separate runs to avoid cross talk. C-band was utilized on run 1 and L-band on run 2.

MFMR data were processed at NASA/Goddard Space Flight Center and forwarded to the Texas A&M University, Remote Sensing Center in tape and microfiche formats. Therefore the raw data were not available at the Remote Sensing Center. Problems in analyzing these data revealed

that the original calibration was incorrect. Calibration was recalculated (O'Neill, NASA/Goddard), time boundaries for each field verified with visiquader data and corrected values appended to the data files (See Header Information in Appendix B). Both MFMR data sets are followed by the number of field points used in their averages.

As with the scatterometer data there were some fields deleted from the data base because drift and roll exceeded acceptable levels. Omissions are listed in Table 3. The MFMR deletions do not correspond one to one with those of the scatterometers however. In cases where field values were taken out at large incident angles in the scatterometer data, they were not deleted in the MFMR data set since the radiometers had near nadir incident angles. Nearly one entire line of MFMR data (run 2, line 2 on August 11, L-band) was eliminated due to apparent internal system problems. The raw data were not available to verify that the problem originated in the radiometer. The signal was very erratic on this line. Only fields 1 and 2 had reasonable responses and were included in the final data set.

Scatterometers

Most of the data processing effort was concentrated on the large volume of the aircraft scatterometer data. There were 4 scatterometer bands. Three bands had dual polarization for a total of 7 scatterometer data sets collected each flight day. Following are the frequencies, polarizations and operating runs for each scatterometer:

13.3 GHz (X-band) HH	Run 1 & 2
4.75 GHz (C-band) HH, HV	Run 1 & 2
1.6 GHz (L-band) HH, HV	Run 1
.4 GHz (P-band) HH, HV	Run 1 & 2

TABLE 3. Questionable MFMR data in Guymon due to excessive roll and drift.

Date	Field #	% Roll
8/8/78	L2 R1 1X	5.3
8/11/78	L3 R1 1X	4.9
	L1 R2 6	-5.1
	L4 R2 24	4.9
8/14/78	L2 R1 10, 17, 2a	5.4, -8, -5.6 respectively
	L4 R1 27	4.9
	L3 R3 1X	-4.8
8/17/78	L3 R2 22	5.0

*Drift was not a factor.

The cell size for the scatterometer ranged from 25 meters in the X-band to 75 meters for the P-band. The incident angles processed for each channel were 5, 10, 15, 20, 25, 35, 40 and 45 degrees.

Following the data collection in Guymon, analog tapes from the Johnson Space Center were forwarded to the Remote Sensing Center. The tapes were digitized in-house on 9-track magnetic tapes. Scatterometer coefficients for each angle were calculated with a software package described by Claassen et al. (1979) and Clark and Newton (1979). Time frames on the greymaps which were previously produced from the scanner data were used to identify the stop and start times for each field along the line plot. Adjustments in the time boundaries were made according to cell size of the sensors and variances in the flight paths.

As is mentioned in the "Aircraft Schedule" turbulence was such a deterrent on August 14, one run had to be reflown. Wind conditions aggravated roll and drift to some degree on the other flight days also. When a combination of roll and drift exceeded 3-1/2 degrees, field values at that angle were considered questionable and deleted from the scatterometer data set. Deleted fields are listed in the Table 4.

TABLE 4. Questionable scatterometer data in Guymon due to excessive roll and drift.

Date	Field #	Questionable Analysis	
8/2/78	L1 R1 2,4,6,7,8,2x,1x	40°,45° (-8° drift, 2° roll)	
	L2 R1 10,13,14,15,2a,2x,1x	45° (-9° drift)	
	L1 R2 2,4,6,7,1a,2x,1x	45° (-9° drift)	
	L2 R2 15,17,2a	45° (-8° drift)	
8/3/78	L2 R1 17, 1x	all angles	
	L2 R2 2A	all angles	
	L4 R1 26	all angles	
	L1 R2 2,6,7	all angles	
8/11/78	L1 R1 6,8,2x	all angles	
	L3 R1 19,22,1x	all angles	
	L2 R1 2x,	all angles	
	L4 R1 24,25,27	all angles	
	L1 R2 4,6,7,1A	all angles	
	L3 R2 22	all angles	
	L2 R2 10,17	45° (-4° drift, 4° roll)	
		2A, 2X	all angles
	L4 R2 24,26,27	all angles	
8/14/78	L1 R2 4	all angles	
	L3 R2 19	40°,45° (-8° drift, 3° roll)	
	L2 R2 13	45° (9° drift)	
		10	40°,45° (9° drift, 3° roll)
	L1 R3 all fields	40°,45° (11° drift)	
	L3 R3 1x	all angles	
	L2 R3 13,14	all angles	
		15	45° (9° drift)
8/17/78	L3 R1 21,22	35°,40°,45° (-12° drift)	
	L4 R1 2x,24,25,26,27	35°,40°,45° (-12° drift)	
	L3 R2 21,22	all angles	
		1x,19,20	40°,45° (-10° drift)
	L4 R2 24,25,2x	45° (-9° drift)	
8/5/78	L1 R1 2	40°,45°	
	L4 R1 2x	40°,45°	
	L2 R2 2x	40°,45°	
	L4 R2 2x	40°,45°	

DALHART PROJECT

Introduction

The second experimental site was sampled in August of 1980 approximately 20 kilometers northwest of Dalhart, Texas. Figure 6 represents a general area of the test site and indexes the field maps 1, 2 and 3. Twenty-two fields were sampled on a two-day rotation from August 13 through 19. Millet, corn, pasture and fallow wheat fields comprised the sampling sites along an 18 kilometer tract as illustrated in Figures 7a through 7d. Two east-west lines along the track were flown with a NASA C-130 aircraft equipped with a similar set of sensors as was operating in Guymon, Oklahoma. In Dalhart, flights were made every other day (August 14, 16, and 18) to coincide with the ground sampling. Mechanical delays with the aircraft made it necessary to compress two flight sequences into one day (August 16) in order to collect a total of four data sets within the project period.

Field data were collected by personnel from Texas A&M University and the University of California at Santa Barbara. Ground samples were processed in Dalhart. The raw data from the airborne sensors were processed at the Johnson Space Center and NASA/Goddard. Further processing and analyses were completed at the Remote Sensing Center at Texas A&M University.

Selection of Sample Fields

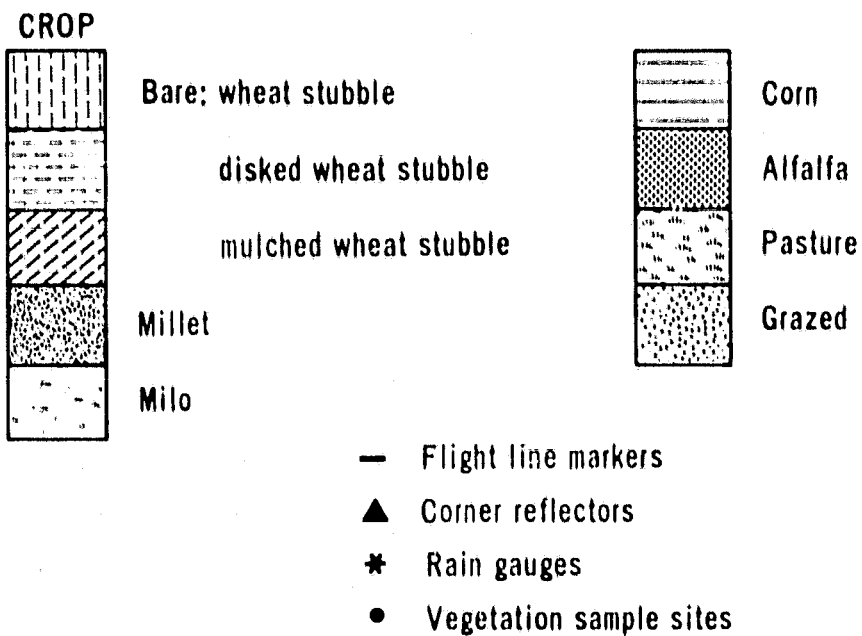
The sample fields in Dalhart fall into two general categories, 22 fields along two flight lines where soil moisture sampling was conducted and 11 additional fields where only biomass samples were taken.

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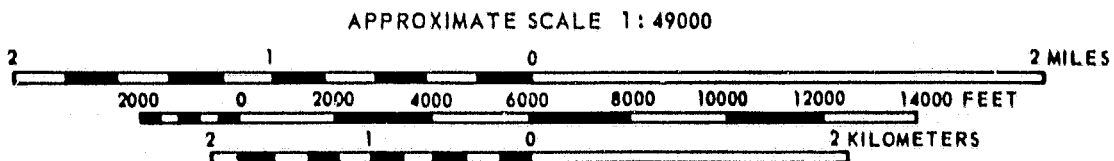


DALHART, TEXAS 1980

LEGEND FOR FIELD MAPS 1,2 & 3



Row direction was east-west for all sample fields with row crops.



Prepared by the Texas A&M University Remote Sensing Center. Base data compiled from USGS topographic maps, R.S.C. team field notes and NASA contracted aerial photography collected August 14-18, 1980.

FIGURE 7a. Legend for Dalhart field maps.

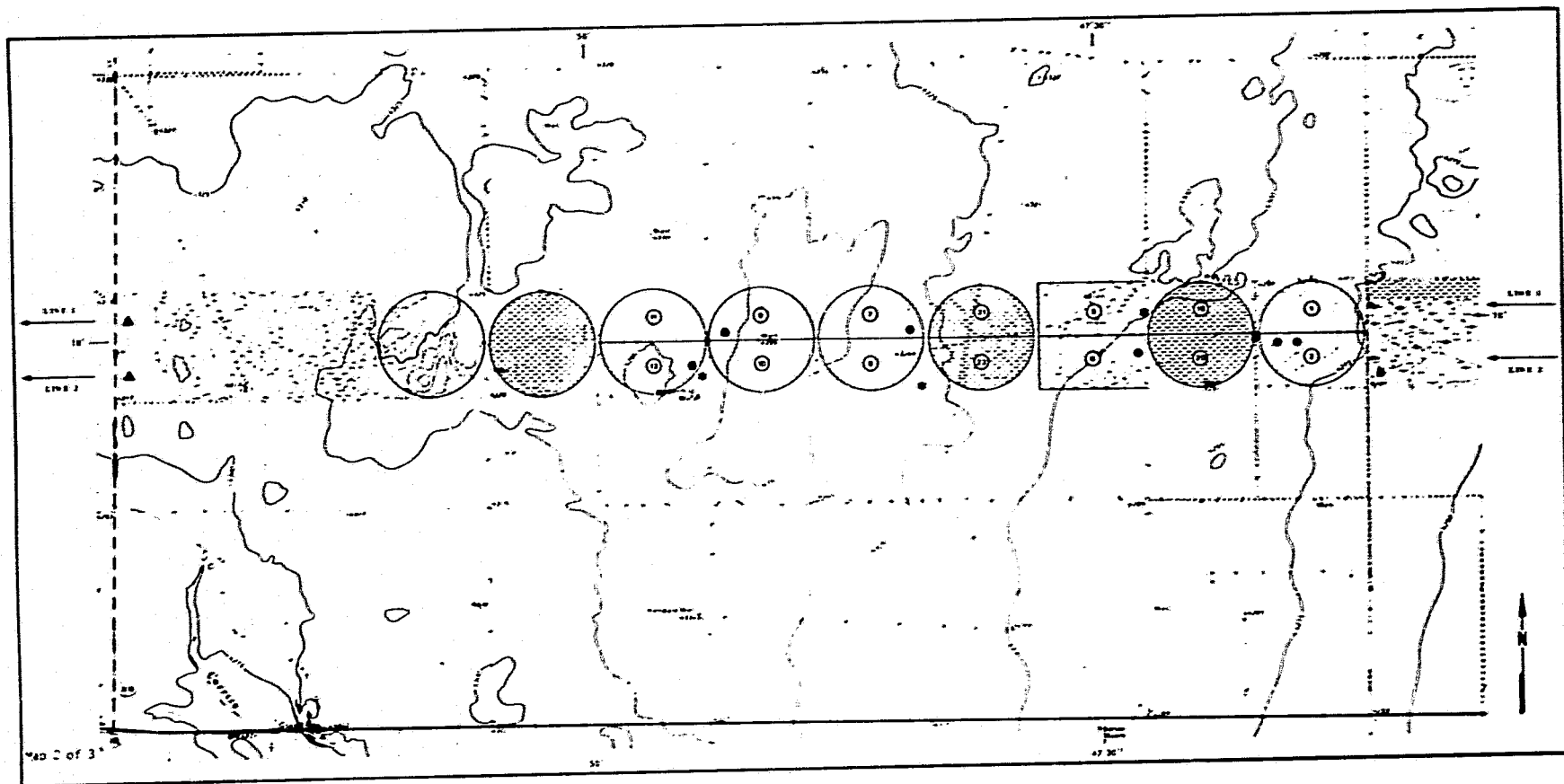
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FIGURE 7b. Location of sample fields in Dalhart, East end, Lines 1 and 2.

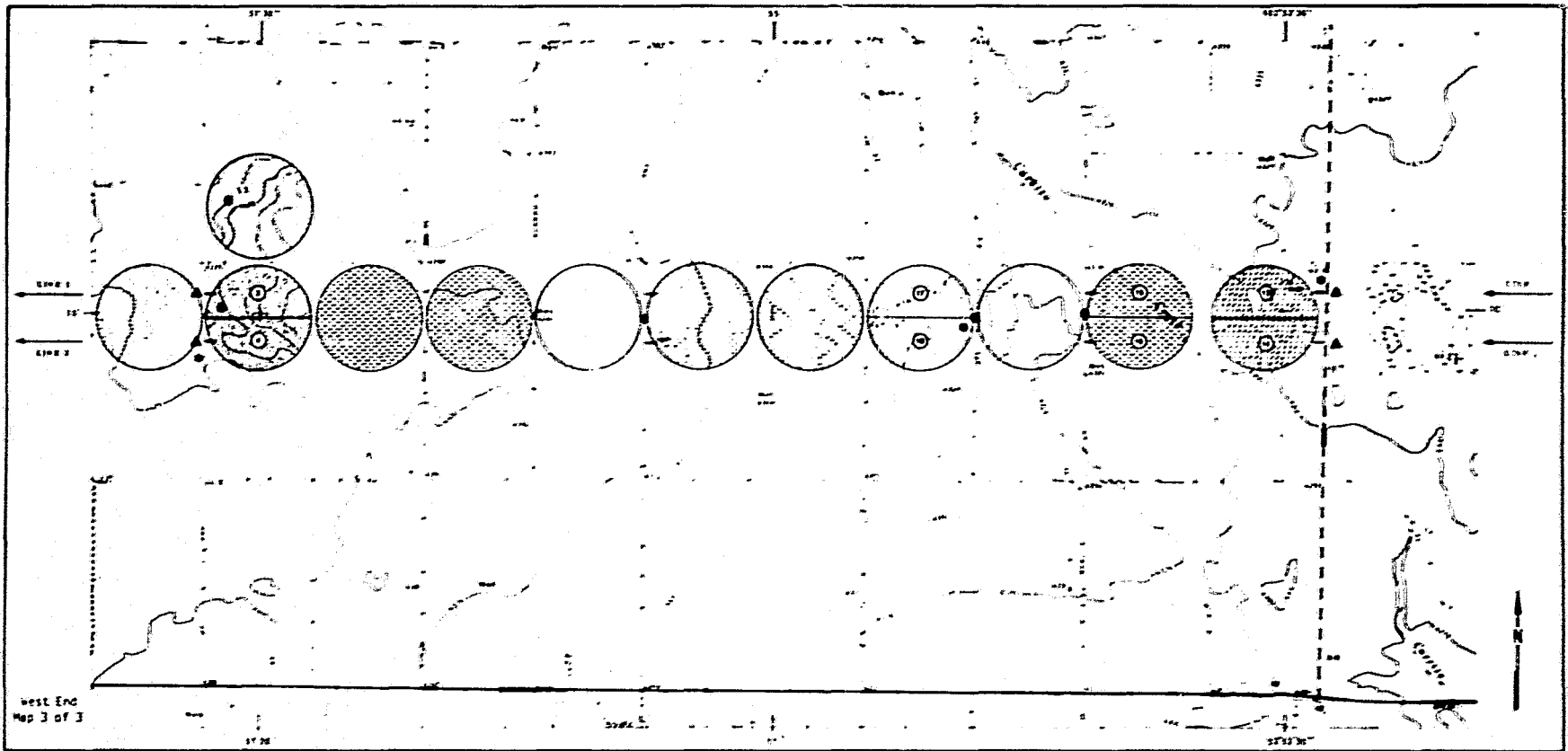


FIGURE 7c. Location of sample fields in Dalhart, West end, Lines 1 and 2.

This report treats only those fields in the soil moisture project. Discussion of the fields included in the biomass study can be found in the accompanying report by Rosenthal.

The sample fields selected for soil moisture sampling in Dalhart were chosen on the basis of crop variety, irrigation practices, smooth soil surfaces, sandy uniform soils and size. As in Guymon each sample field was defined as one half a quarter section (80 acres) with a long axis parallel to the flight lines. The quarter section provided an area large enough for sufficient coverage with the aircraft line sensors, yet small enough for an adequate ground sampling network.

The sampling network in Dalhart was held to eight points per field. There was no intensive sampling as in Guymon, because the soils were very uniform throughout the fields. The uniform soils also permitted a less rigorous texture analysis than Guymon's. The surface soils (top 30 cm) in Dalhart were classified as sandy loam (75% sandy, 10% clay, 15% silt).

The 22 fields sampled were almost equally divided into irrigated fields and non-irrigated fields. Although all fields except the pasture (fields 5 and 6) had pivot irrigation rigs, only those with crop cover had the rigs operating. Those fields included mature corn and millet. Pasture, stubble, disked stubble and mulched stubble comprised the non-irrigated fields.

The combination of bare, non-irrigated land and vegetated, irrigated fields furnished a wide range of soil moisture conditions. In Dalhart there were no control sites. Those fields with pivot rigs operating normally had a pumping schedule that permitted a 6 to 12 day dry down in the field. In addition, a one inch rain the first flight

day with no further precipitation during the project supplied an excellent opportunity to study the decay curves in the bare non-irrigated fields.

In order to analyze the microwave sensitivity to soil moisture, surface roughness was held to a minimum. Fields had a smooth disked or mulched surface or rows parallel to the flight line in the case of listed corn fields.

The canopy within the vegetated fields was reasonably uniform in density and height. There were, however, two areas where the corn was stressed or lacking altogether. Fields 1 and 2 had a stressed circular pattern where the sprinklers were not operating properly in one section of the rig. An illustration of this and the effect it had on sensor responses and biomass are presented in the Rosenthal report. In field 10 there was a swath approximately 6 meters wide running east-west in the southern part of the field that was void of corn. The area was covered by dense tall grass with volunteer weeds. This section was not significant enough in size, location or soil moisture variation to influence analysis results.

Following is a summary of the crop type in the sample fields. For a more detailed description of the individual fields and daily field notes see Appendix C.

<u>Surface Condition</u>	<u>Fields</u>
Pasture	5,6
Millet	3,4
Corn (row crop)	1,2,7,8,9,10,11,12
Fallow	
Standing stubble	17,18
Disked stubble	15,16,19,20,21,22
Mulched stubble	13,14

Ground Sampling

Dalhart's ground sampling alternated between the fields such that each field was sampled every other day. Since the aircraft flew every two days (August 14, 16 and 18), this meant that each field was sampled within 24 hours of an aircraft pass and that for each flight day the same set of fields was sampled (see Table 5). The sample teams were in the fields daily at a regular time frame of 8:00 a.m. to 12:00 p.m. to correspond with aircraft flight times.

As discovered in Guymon, a significant variation of soil moisture was directly related to changes in samplers in the field. In Dalhart each team of four was assigned a set of fields which remained unchanged during the experiment. Within each team particular points and depths were sampled by the same person. Each of the six teams was responsible for sampling eight points in the field as illustrated in Figure 4. Normally six depth increments were sampled per point. The depths 0-2, 2-5, and 5-15 cm were sampled with the trowels and 0-15, 15-30, and 30-45 cm depths with 1" soil test core tubes. The 5-15 and 9-15 cm samples used in Guymon were combined into one 5-15 cm sample in Dalhart.

Fewer core samples were taken in Dalhart. The very dry unirrigated fields 5 and 6 and 15-22 were not sampled with core tools (except a 0-15 cm sample taken in fields 19-22 the day after the August 14 rain). The soil in the unirrigated fields was so compacted and hard that driving the core tools into it deformed the tool. Values were not extrapolated for these depths and therefore show as *** in Appendix D.

TABLE 5. Dalhart ground sampling schedule.

		SAMPLE FIELD NUMBER										
		1/2	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20	21/22
SAMPLING DATES-1980	8-13	X			X	X	X				X	X
	8-14*		X	X				X	X	X		
	8-15	X			X	X	X				X	X
	8-16*		X	X				X	X	X		
	8-17	X			X	X	X				X	X
	8-18*		X	X				X	X	X		
	8-19	X			X	X	X				X	X

*denotes flight days

Sampling procedures were basically the same as those in Guymon. Sampling with a trowel in Dalhart was slightly different however, since the 5-9 and 9-15 cm samples were combined. At each point a hole was dug with a vertical side greater than 15 cm deep. Each trowel was driven alternately into the soil perpendicular to the side wall to obtain the top two layers 0-2 and 2-5 cm. For the 5-15 cm sample the two-centimeter trowel was driven vertically from the 5 cm point to the 15 cm level.

Once the samples were finished they were placed in the standard 8 oz paper cup. The cup was covered with a sheet of plastic wrap and a lid to prevent moisture loss. The outside of the cup was labeled with date, field, depth, point and the sampler's initials. Bulk density samples were labeled as such. There were also several deep core samples drawn from seven fields along the flight lines.

In addition to the actual soil sampling, field notes, photography, rain gauges and temperature observations were compiled daily. Although field notes were taken in Guymon they were inconsistent. Standardized field data sheets were used in Dalhart and actually written up in the field along with air, surface and soil temperature observations. Summaries of the field notes are in Appendix C.

There were nine rain gauges along the flight lines that were monitored daily. The only precipitation event during the project was on August 14. Observations the following day indicated an approximate 1 inch rain across the site with the heaviest rainfall at the east end of the flight line (1.9 inches at fields 21/22). Unfortunately the storm hit the test area at 10:30 a.m. on the 14th. Although the aircraft had just finished its flight, some fields were still being

sampled on the ground. Several points in the fields had to be abandoned. The values at these points were later estimated with comparisons to other points in the fields sampled before the rain. Outside of the rain event and pesticide dusting that forced the teams out of fields 1 and 2 on August 19, the sampling was not interrupted.

Sample Processing

As the samples came in from the field they were weighed to 1/10th of a gram in the lab. This weight was recorded as the "wet" weight. Lids and seals were then discarded and samples segregated into similar degrees of moistness. A conventional microwave oven dried 20 samples at a time. At regular intervals these samples were removed and their weights plotted on a graph. When the weight loss of the test samples leveled out to less a .2 gm difference from the previous observation, they were considered dry. All samples were then removed from the oven and weighed and their final dry weights tabulated. As processing for each set of samples was completed the samples were stored for future reference.

Included in the Dalhart lab procedures was a programmable calculator and immediate computation of each sample's gravimetric soil moisture. The values were plotted daily by team leaders and suspicious values flagged. Since the soil samples had been stored they could be pulled and at least their dry weights verified. This system of checks was an important supplement to the Dalhart project. Subsequent data processing was completed at the Remote Sensing Center.

Data Processing

To prepare the field data for analysis with aircraft data, soil moisture values for fields not sampled on flight days had to be normalized. Time series were generated as they were for the Guymon project.

Aside from providing a means for extrapolating soil moisture values for flight days, the time series were very important in estimating values for points where rain or pesticide dusting prohibited sampling. Values were estimated only where extensive cross referencing of similar conditions warranted a competent extrapolation of unsampled points. One such case was where fields 1 and 2 were sprayed with pesticides the last day of the project (August 19). Since we had plotted the soil moisture profiles since August 13 and there was no unpredicted precipitation before the spraying, we were able to estimate soil moisture values in the two fields.

Fields 5, 6, 16, 17, and 18 had to be abandoned during the August 14 sampling when a storm hit the area. Fields 13, 14 and some points in field 16 were sampled before the teams were forced out by the rain. From these data we know the unirrigated fields were very dry prior to the rain event. With this information and subsequent decay trends in the fields, reasonable estimates could be made for the unsampled points on August 14. This concluded processing for general field averages. Another set of averages had to be prepared for analysis with the line sensors.

The scatterometers and radiometers required a more discriminant field average than the scanners since their field of view was nar-

rower. Those points averaged for the line sensors were selected by the same procedure described for Guymon. The mapping of the exact flight path not only allowed us to segregate points but later was an excellent visual reference when the time boundaries of the fields were located on the line sensor plots. Often the aircraft drifted off center and in the circular fields the time boundaries became extended or contracted according to which direction the flight line shifted. Thus the flight line maps gave a preliminary indication of those fields to adjust the boundaries in.

Aircraft Schedule

A total of four aircraft data sets were collected in Dalhart on August 14, 16, and 18. Time restrictions made it necessary to collect the fourth set by compressing two flight sequences into August 16.

Two runs were made over the soil moisture sampling site each flight day. Each run included 2 flight lines that extended 18 kilometers east to west. Flight line #11 (or line 1 on the field maps) covers the northern set of fields, and line #12 (or line 2 on the field maps) covers the southern set. There is an exception to this on August 14 where the flight log line numbers are opposite the corresponding field map line numbers (see Table 6).

Run 3, Line 11 may be found August 18. Operator failure to switch on the 13.3 and 4.75 GHz scatterometers on Run 2 made it necessary to re-fly line 11.

Two runs were flown each flight day in order to operate the passive and active microwaves on separate runs. Normally the radiometers were operating on run 1 and the scatterometers on run 2. August 14 is an exception to this rule as indicated in Table 6.

TABLE 6. Summary of the aircraft schedule in Dalhart.

DATE 1980	FILM ROLL #	FILM FRAME #	DATA SET	APPROX TIME	RUN #	LOG LINE #	MAP LINE #	MICROWAVE OPERATING	NOTES	
8/14	---	Zeiss off	1	8:30 AM	1	1	---	SCATT	water calibrations	
		001-007			1	6	---	MFMR	water calibrations	
		008-013			2	6	---	MFMR	water calibrations	
		014-060			1	11	2*	SCATT	flight sequence opposite on this run	
		061-114			1	12	1*	SCATT		
		115-172			2	11	1	MFMR		
		173-220			2	12	2	MFMR		
221-266	1	13	---	---	photography grossly underexposed high altitude flight; only Zeiss camera in operation; underexposure makes this useless					
8/16	6	001-008	2	9:00 AM	1	6	---	MFMR	water calibrations	
		009-055			1	11	1	MFMR		
		056-104			1	12	2	MFMR		
		105-150			2	11	1	SCATT		
		151-199			2	12	2	SCATT		
		200-225			1	13	---	---	high altitude; Zeiss, NS001 and MMS operating; line runs along normal flight lines	
	7	226-275	3			2	11	1	SCATT	extra set run here to make a total of 4 sets for the project
		001-048				2	12	2	SCATT	
		049-097				1	11	1	MFMR	
		098-146				1	12	2	MFMR	
		147-157				1	7	---	MFMR	water calibrations
8/18	---	Zeiss off	4	12:00 PM	1	1	---	SCATT	runway calibrations	
		Zeiss off			1	1	---	SCATT	runway calibrations	
	1	001-014				1	5	---	MFMR	water calibrations
		015-056				1	11	1	MFMR	
		057-100				1	12	2	MFMR	
		101-144				2	11	1	SCATT	
		145-192				2	12	2	SCATT	
		225-272				3	11	1	SCATT	
		192-224				1	13	---	---	this run flown because 13.3 & 4.75 were not turned on on Run 2 line 11 high altitude; Zeiss, NS001 & MMS operating; line runs south of test lines
		2				001-011				
---	Zeiss off	6:00 PM	2	1	---	SCATT				

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In addition to the normal scheduled flights at an altitude of 500 meters, a higher altitude flight at approximately 1,500 meters altitude was flown each day for mapping purposes. Two lines each flight day were flown over Lake Meredith, Texas for radiometer calibration purposes too. The water calibrations were flown at the beginning and end of the flight day and are referenced in the flight logs as lines 6 and 7.

The sensor package on board the NASA C-130 included an aerial camera, a Barnes PRT-5 radiometer, multispectral scanner, thematic mapper, four scatterometer channels and 2 radiometer channels. Following are separate discussions of the sensors and their data processing.

Aerial Photography

The aircraft was equipped with a 9" Zeiss aerial camera. Color infrared film (Type S0193) was shot each flight day with a 20% overlap of the frames and a 60% overlap on the high altitude flights.

In order to facilitate mapping, higher altitude coverage at an approximate altitude of 1,500 meters was shot each flight day (Referenced as line 13 in the flight logs). High altitude passes on August 14 and 16 covered the normal flight lines while an area just south of the test site was flown on August 18. It should be noted here that problems with exposure on August 14 left film roll #4, frame #192 through the end of the roll unusable. This included parts of line 12, run 2 and all of line 13 of the high altitude run.

Photographic coverage in Guymon did not include higher altitude flights (although there was one high altitude roll of film shot from a

private plane). While Dalhart utilized color infrared film for the entire project, it was shot in Guymon only on the first flight day.

The Remote Sensing Center at Texas A&M University houses the five rolls of film for the Dalhart project, referenced as mission 428 or 430 and rolls 1, 2, 4, 6 and 7.

Thematic Mapper - NS001

Visible and infrared data were collected with the NS001 (simulated thematic mapper) and MMS (modular multispectral scanner) during both runs each flight day. After a preliminary analysis of the two data sets, the decision was made to process the NS001. In Guymon the visible data was MSS data. In order to compare the projects' data sets, the NS001 channels processed for Dalhart were similar to the Guymon scanner channels. Following are the wavelengths of the NS001 channels with corresponding MMS channels from Guymon.

Dalhart NS001		Guymon MMS	
Band		Band	
1	450- 520 nm		
2	520- 600 nm.	4	548- 583 nm
3	630- 690 nm.	7	662- 701 nm
4	760- 900 nm.	9	703- 747 nm
5	1000-1300 nm		
6	1550-1750 nm		
7	2080-2350 nm		
8	10,400-12,500 nm.	11	8000-12080 nm

The NS001 channels were very close to those proposed for the thematic mapper on Landsat-D. Resolution was approximately 1.3 meters at 500 meters altitude.

The NS001 data were initially processed onto 9-track tapes at NASA/Johnson Space Center. Calibration data which consisted of digital counts from looks at constant radiance targets within the sensor were used to convert digital counts to radiance values. In order to minimize processing costs only run 1 data were processed.

Since radiance is a function of solar angle, a correction factor was needed before comparing radiance values between the flight dates. The data were normalized to August 18 which had the smallest solar angle. The correction factor utilized was $R_c = \frac{R_i}{\cos \theta}$ where R_i and R_c were the non-normalized and normalized radiance values respectively, and θ is the solar zenith angle. Field 6, 8, 10, 12 and 22 were deleted from channel 1 data due to unreasonable calibration problems. The normalized data are included in Appendix D.

Multifrequency Microwave Radiometers

The frequency and polarizations of the passive microwave radiometers in Dalhart were the same as those flown in Guymon. L-band had a frequency of 1.6 GHz with horizontal polarization. C-bands had a frequency of 4.75 GHz with horizontal and vertical polarizations. Both bands had a presumed look angle at nadir (0°). In Guymon the two radiometers were positioned in the same location on the aircraft which made it necessary to operate each on a different run. In Dalhart, the C-band radiometer was mounted in the nose of the plane and the L-band in the rear of the plane so that both radiometers could be operated on the same run.

Initial processing of the microwave data was completed at NASA/Goddard Space Flight Center. The raw analog tapes were converted to digital uncorrected brightness temperatures. Subsequent processing was performed at the Remote Sensing Center at Texas A&M University.

To correct the brightness temperatures the following equation developed at NASA/JSC (O'Neill, 1981) was applied:

$$T_B = \frac{1}{t} \left[T_u \left(\frac{L}{1-r^2} \right) - \frac{r^2(T_\sigma)(L)}{1-r^2} - T_L(L-1) - e T_R \right]$$

where t is the transmittance of the radome, e is the emissivity of the radome, T_u is the uncorrected brightness temperature based on raw digital counts, L is antenna cable loss factor, T_L is an antenna temperature factor, T_R is the radome temperature factor, r^2 is an internal parameter for each frequency, and T_σ is the self-emission of the receiver. For the Dalhart L-band horizontal data, the radome terms are omitted since the sensor used on these flights was operating in the open rear door of the aircraft. The various constants used in the equation were determined from flights over homogeneous areas. Once brightness temperatures were calculated, line plots of T_B versus time were produced and field stop and start times were determined from the plots and aerial photography.

As time boundaries for each field were delimited on the plots, a discrepancy emerged between the radiometers. There was a constant shift in the time boundaries between L and C-bands for all dates. It was discovered that the look angle in C-band was 3 to 4 degrees off nadir while the L-band was at 0 degrees as presumed.

The only passive data in Dalhart having excessive roll or drift were in field 16, line 12, run 2 on August 18. That data was deleted from the data set.

In Appendix D the MFMR field averages are followed by the number of field points used in their averages.

Scatterometers

The scatterometers in operation over Dalhart were the same as those flown in Guymon. The scatterometers included:

- 13.3 GHz (X-band) vertical polarization
- 4.75 GHz (C-band) horizontal and vertical polarizations
- 1.6 GHz (L-band) horizontal and vertical polarizations
- 0.4 GHz (P-band) horizontal and vertical polarizations

The incident angles processed for each channel were 5, 10, 15, 20, 25, 35, 40 and 45 degrees.

The runs on which the scatterometers were operating in Dalhart are listed in Table 6. On August 18 the operator did not switch on the 13.3 and 4.75 GHz frequencies for line 11, run 2. The line was reflown and labeled line 11, run 3 in the flight logs. The data from this run were that which were used for the current data set in Appendix D.

The raw scatterometer data that were collected in Dalhart in analog tape form were processed at NASA/JSC. Copies of the tape were forwarded to Texas A&M University, Remote Sensing Center. Subsequent processing included conversion of the data to digital form and calculation of scattering coefficients. Analog data were transposed to digital values on 9-track magnetic tapes. The digital data were pro-

cessed with the software that calculated the scattering coefficient for each look angle at a given time interval. Data were also processed so that each cell size had a length approximately 25 meters for K-band, 38 meters for C-band, 50 meters for L-band, and 75 meters for P-band. The software is described by Claassen et al. (1979) and Clark and Newton (1979). A technique described by Blanchard and Theis (1981) was implemented in order to remove crossover effects from the like polarized data to the cross polarized L-band data. With completion of the processing the location of each sample field in the data was determined.

Line plots of σ versus time were produced for every date, frequency and polarization. The plots were used in conjunction with times off the aerial photography to locate the field boundaries along each line. The high signal response to roads, pivot rigs and corn fields in the line plots functioned as reference points. Where there was a significantly high return from a pivot rig in a sample field, we listed a start/stop time before the rig and start/stop time after the rig. This eliminated the pivot rig from the average and the two time frames for the field were concatenated in computing the field averages.

Further adjustments were made in the plots to insure that field averages were well within the field boundaries. In the original processing all the times were normalized to a 5° look angle. Start/stop times were shifted at least .5 seconds at the front of the field to insure that no areas beyond the field were included in the boundaries. From the final list of start/stop times, field averages of σ^0 were generated. Several other parameters were computed with the field averages such as aircraft roll and drift.

There were by far fewer problems with roll and drift in Dalhart than in Guymon. However, whenever roll exceeded 3.5° and drift 9° , the scatterometer average at that angle was deleted. Table 7 lists those fields deleted from the scatterometer data set. The only other major deletion from the scatterometer set was 4.75 HV on August 14. Apparent internal problems with the scatterometer on line 11 made it necessary to eliminate all but fields 8, 10 and 12 (this problem was recognized when analyzing the line plots).

Time series plots generated for the scatterometer field values were helpful in troubleshooting deviate values just as they had been for the ground data. Only a few values were unreasonable and investigation verified that some mistakes were made in the hand calculations of the concatenated fields. Corrected values were added to the data set.

TABLE 7. Questionable scatterometer data in Dalhart due to excessive roll and drift.

Date	Field #	Questionable Analysis
8/14/80	All data is good	
8/16/80	All data is good	
8/18/80	L12 R2 20,8,18 L12 R2 14 L12 R2 16	45° (drift 9°) 40, 45° (drift 11°) All Angles

CONCLUSIONS

The soil moisture study conducted in Guymon, Oklahoma and Dalhart, Texas consisted of soil moisture sampling and aircraft multi-sensor data collection. The purpose of the study was to correlate temporally based ground and aircraft data, to investigate interactions at the soil surface/vegetation interface under a variety of moisture ranges and to determine the optimum combination of sensors on an airborne platform for soil moisture detection and vegetation classification.

Within the context of this report it cannot be overemphasized that 1) the site evaluation eliminates as many of the variables which influence the sensor responses as possible, 2) the ground work be consistent and daily observations of field conditions be well documented, 3) labs are available for on site and immediate ground sample processing, 4) temporal data be examined graphically in addition to statistical analysis and that 5) temporal aircraft data be calibrated in any research of this type. Recommendations from the analysis of the data sets may be found in the accompanying reports by Rosenthal and Theis.

The data sets (Appendices B and D) accompanying this report supercede previously published data. It includes all ground and aircraft data with normalized and corrected values.

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APPENDIX A

FIELD NOTES FROM THE GUYMON STUDY

FIELD NOTES

Field

1X Crop Type - Milo

- Aug. 1 - irrigated; standing H₂O on pts. 1, 2, 3, 6, 8
- Aug. 4 - field condition still wet; SE corner dry (pt. 7)
- Aug. 7 - Pt. 1 wet
- Aug. 10- Pts. dry except in NE corner
- Aug. 13- Milo blooming
- Aug. 14- Surface cracks developing

2X Crop Type - None - Bare

- Aug. 1 - field smooth; little stubble; dry & loose but uniform
- Aug. 4 - Pt. 8 wet; plow pan at 11 cm.
- Aug. 6 - Dry; tilled around wet Pt. 8
- Aug. 10- Pt. 3 & 7 dry

1A Crop Type - Milo (Irregular 2 ft. weeds)

- Aug. 3 - field dry and hard, cracks throughout field
- Aug. 6 - Top dry; moist below 7 cm; some rows flooded
- Aug. 9 - All pts. dry
- Aug. 15- All pts. dry; milo heading out

2A Crop Type - Milo (Irregular 2' weeds)

- Aug. 1 - Sampling consistently dry although began irrigation
- Aug. 4 - Even points wet; odd points dry
- Aug. 6 - Conditions same
- Aug. 16- 2, 4, 6, 8 drier

Field #

2 Crop Type - Bare

Aug. 1 - Smooth w/5 cm of straw on top; 5-.0% weeds

Aug. 10- Crust formation (1-2 cm) - result of light rain previous day; soil moist below 15 cm

10 Crop Type - Bare

Aug. 1 - Surface dry & medium rough

Aug. 4 - Surface moist from Aug. 2's light rain (<.10")

Aug. 10- Light rain 8/9 resulting in crust formation of 1-2 cm deep; soil moisture below 15 cm

4/13 Crop Type - Alfalfa

Aug. 3 - Wet down to 15 cm due to moderate rain 8/2; ripped with chisel; sandy caliche soil below 15 cm (usually 30-45 cm)

Aug. 6 - Dried considerably since last sampling

Aug. 9 - Alfalfa 18" in height

Aug. 12- Dry except pt. 8(field 13)

6 Crop Type - Bare

Aug. 2 - Powdery soil; low area near pt. 7 very moist caliche

Aug. 5 - Top layers moist

Aug. 8 - Dry

Field #

14 Crop Type - Bare

Aug. 2 - Wet - just irrigated

Aug. 5 - Soil dry below 30-45 cm

Aug. 8 - Volunteer wheat 3" in eastern half; moist below surface

Aug. 17- Surface dry - subsurface moist

7 Crop Type - Milo 8" hgt.

Aug. 3 - Ditches filled with rain night of 8/2

Aug. 6 - Pt. 3 moist to 15 cm; sampling difficult at deep samples
(30-45 cm) due to caliche which is present in much of
the field; field drying

Aug. 9 - Irrigation in operation - pts. 5, 6, 7, 8 moist (pt. 6
directly under sprinkler - unable to sample; top 15 cm
moist, 15-45 cm dry

15 Crop Type - Milo 8" height

Aug. 3 - Ditches filled with rain from 8/2 shower

8 Crop Type - Milo 2½-3 ft. tall

Aug. 1 - Dry

Aug. 4 - No rain; all pts. dry although running H₂O down 4 rows;
soil very hard under 15 cm.

Aug. 10- Irrigation - pts. 3 & 7 dry; pts. 1 & 5 wet, even #'s dry

Aug. 13- Plant in northern half thinner; soil dry

- 17 Crop Type - Straw stubble
- Aug. 1 - Soil dry but with subsurface moisture
 - Aug. 4 - Effect on rain (<.10") very slight
 - Aug. 5 - Crop duster flew over
 - Aug. 7 - Dry
 - Aug. 10- Dry; below 9 cm soil was hard
 - Aug. 13- Surface very dry; subsurface moist
- 19 Crop Type - Milo 2½'
- Aug. 1 - Pts. 1 & 2 very muddy
 - Aug. 4 - Pts. 5, 6, 7, 8 dry; rows between pts. flooded
 - Aug. 7 - Pts. 1, 4 dry; pts. 5, 6 - muddy; pts. 7, 8 drying out
 - Aug. 10- All pts. dry; irrigation between some pts.
 - Aug. 13- Pts. 1 & 2 dry; pts. 3 & 4 being flooded
- 24 Crop Type - Milo 2½'
- Aug. 1 - Pts. 7, 8 muddy
 - Aug. 4 - Pts. 7,8 muddy
 - Aug. 7 - Pts., 1, 4 dry; pts. 5, 6 wet; pts. 7, 8 drying out
 - Aug. 10- All pts. dry
 - Aug. 13- Pts. 1 & 2 dry; pts. 3, 4 being flooded
 - Aug. 16- Sprayed with parathyon (8/15); all pts. dry at surface
- 20 Crop Type - Milo 3'
- Aug. 3 - Irrigation - pts. 1, 3 wet
 - Aug. 14- Wet north half of field has nature milo heading out well;
saturated south half just beginning to head out
 - Aug. 17- All pts. wet except #1

Field #

25 Crop Type - Milo 3'

Aug. 3 - Field moist

Aug. 8 - Pt. 1 dry, remaining pts. wet

21 Crop Type - Bare

Aug. 3 - Top 0-2 cm wet from light rain; below 2 cm crumbly dry

Aug. 5 - Dry

Aug. 8 - Ammonia being put down around field edges

Aug. 17- All dry

26 Crop Type - Bare

Aug. 3 - Light rain

Aug. 6 - Soil very dry

Aug. 9 - Plowed

Aug. 12- Powdery dry

Aug. 18- Dry

22 Crop Type - Alfalfa

Aug. 3 - Caliche layer at 15 cm; H₂O near pt. 5

Aug. 6 - Alfalfa 1.5'

Aug. 9 - Wet from irrigation (pt. 7 dry); Alfalfa 2'

Aug. 12- Damp to slightly muddy

Aug. 18- Alfalfa has been cut

Field #

27 Crop Type - Alfalfa

Aug. 3 - Heavy clay

Aug. 6 - Irrigation - pts. 1, 4 wet

Aug. 9 - Dry

Aug. 12- Irrigation - pts. wet

Aug. 15- Alfalfa 2'

Aug. 18- Alfalfa has been cut; irrigation began

APPENDIX B

FINAL DATA SET FOR GUYMON, OKLAHOMA

GUYMON - HEADER INFORMATION FOR DATA BASE

Each field has two sets of 14 cards for each date. There is a second set of data because some sensors were operating on both runs. (This was not the case in Dalhart.)

Each card has the following information in columns 1-24:

1-2	Day
4-8	Month/year
9	Flight # (1 through 4)
10-11	Card # (1 through 14)
12-17	Sensor or SM
19-20	Field # (character)
22	Sorting character
23	Line
24	Run

Card 13 (column 17) has a one digit character unique to each field. For Guymon those characters are capital letters. For example field 2 is A, field 10 is B.....field 2X is H on line 1 and J on line 4...

Card 8 in each set a one digit field symbol (column 17) to describe the crop type. They are as follows:

- B= bare
- L= parallel milo
- R= perpendicular milo
- A= alfalfa
- C= corn (Clayton)

Columns 26-80 list all the ground and aircraft averages for each field.

65

CARDS

COLUMNS

		26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
#1-7	Scatts	5°	10°	15°	20°	25°	35°	40°	45°
8	M ² S		CH 4	7	8	9			11
9	MFMR	HL	HC	VC	#pts	#pts	#pts		
10-12	SM	0-2cm	2-5	5-9	9-15	0-15	15-30	30-45	
13	*MFMR	HL	HC	VC	#pts	#pts	#pts		
14	PRT-5	°C	#pts	PVI	TVI				

* Card 13 represents the early uncalibrated MFMR values.

Blanks in the data base where values normally exist, mean the values are not available or have been deleted.

ORIGINAL PAGE IS
OF POOR QUALITY

GUYMON FIELD CHARACTERS

The following characters designate each field in the data base outputs and computer graphs

FIELD	CHARACTER
2	A
4	N
6	C
7	V
8	W
1A	X
1X	S L1
	T L2
	Z L3
10	B
13	L
14	D
15	V
17	E
19	O
2A	Y
2X	H L1
	I L2
	J L3
20	Q
21	F
22	M
24	P
25	R
26	G
27	K

ORIGINAL FROM 59
OF POOR QUALITY

2	AUG78	1113.3VV	2	111	-1.10	-3.70	-6.90	-1	9.20	-8	.70	-11.	00	.	.	.	*	
2	AUG78	12 1.6HH	2	111	-8.30	-11.70	-14.20	-1	5.90	-17	.20	-20.	20	.	.	.	*	
2	AUG78	13 1.6HV	2	111	-18.40	-21.90	-23.50	-2	4.60	-25	.50	-27.	30	.	.	.	*	
2	AUG78	14 .4HH	2	111	-18.24	-21.20	-23.60	-2	5.00	-25	.80	-33.	50	.	.	.	*	
2	AUG78	15 .4HV	2	111	-25.00	-32.20	-37.10	-4	0.40	-42	.10	-50.	00	.	.	.	*	
2	AUG78	164.75HH	2	110	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	2	110	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	B	2	111	.	1.05	1.22	1.31	2	.89	.	.	.	.	27.01*	*
2	AUG78	19HLHCVC	2	111	.	285.2	285.6	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2	110	2.7	3.2	.	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2	111	2.5	3.0	5.7	15.5	9.8	25	.6	26.	4	.	.	*	
2	AUG78	112 LN S	M	2	111	2.5	3.0	5.7	15.5	9.8	25	.6	26.	4	.	.	*	
2	AUG78	113OLDPM	A	2	111	.	289.2	289.2	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	A	2	111	25.4	0.135	0	.952	.	39.	31	39.8	5	.	.	*	
2	AUG78	1113.3VV	2	212	-1.10	-3.70	-6.30	-1	9.10	-8	.40	-12.	20	-12.6	0	.	.	*
2	AUG78	12 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH	2	212	-16.70	-18.70	-19.80	-2	1.70	-23	.50	-31.	50	-32.6	0	.	.	*
2	AUG78	15 .4HV	2	212	-28.40	-32.20	-36.20	-3	9.00	-42	.30	-50.	60	-49.6	0	.	.	*
2	AUG78	164.75HH	2	212	5.38	-0.03	-4.31	-1	6.48	-7	.78	-10.	85	-12.0	3	.	.	*
2	AUG78	174.75HV	2	212	-6.11	-9.03	-15.56	-1	7.40	-19	.96	-22.	91	-23.1	2	.	.	*
2	AUG78	18 M	B	2	211	27.01*	*
2	AUG78	19HLHCVC	2	212	274.6	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	2	210	2.7	3.2	.	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2	212	2.7	3.2	6.0	14.8	9.3	23	.9	25.	4	.	.	*	
2	AUG78	112 LN S	M	2	212	2.7	3.2	6.0	14.8	9.3	23	.9	25.	4	.	.	*	
2	AUG78	113OLDPM	A	2	212	279.6	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	A	2	212	23.1	.	.	.	.	39.	31	39.8	5	.	.	*
5	AUG78	2113.3VV	2	111	5.30	1.10	-4.00	-1	8.40	-7	.90	-13.	30	.	.	.	*	
5	AUG78	22 1.6HH	2	111	-4.70	-9.10	-12.90	-1	4.80	-16	.80	-20.	60	.	.	.	*	
5	AUG78	23 1.6HV	2	111	-17.70	-19.10	-21.50	-2	2.20	-23	.20	-25.	30	.	.	.	*	
5	AUG78	24 .4HH	2	111	-12.60	-17.50	-21.40	-2	4.40	-26	.90	-35.	40	.	.	.	*	
5	AUG78	25 .4HV	2	111	-25.70	-28.60	-33.30	-3	5.30	-38	.70	-47.	20	.	.	.	*	
5	AUG78	264.75HH	2	111	6.64	0.74	-4.59	-1	8.20	-9	.94	-12.	97	.	.	.	*	
5	AUG78	274.75HV	2	111	-4.81	-8.61	-16.55	-1	9.54	-21	.98	-25.	75	.	.	.	*	
5	AUG78	28 M	B	2	111	.	1.22	1.42	1.60	3	.54	19.98*	*
5	AUG78	29HLHCVC	2	111	.	258.6	262.7	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	2	110	11.6	12.7	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	2	111	10.5	12.3	8.8	13.6	1	3.7	22	.0	24.	1	.	.	*
5	AUG78	212 LN S	M	2	111	10.5	12.3	8.8	13.6	1	3.7	22	.0	24.	1	.	.	*
5	AUG78	213OLDPM	A	2	111	.	264.0	264.5	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRT5	A	2	111	19.0	0.254	0	.963	.	39.	31	39.8	5	.	.	*	
5	AUG78	2113.3VV	2	212	4.30	0.10	-5.70	-1	8.80	-8	.70	-14.	20	-15.4	0	-16.30*	*	
5	AUG78	22 1.6HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH	2	212	-11.20	-16.10	-20.30	-2	3.40	-24	.50	-34.	70	-34.9	0	-34.00*	*	
5	AUG78	25 .4HV	2	212	-24.10	-28.10	-32.20	-3	3.40	-38	.90	-47.	30	-48.1	0	-45.70*	*	
5	AUG78	264.75HH	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV	2	210	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 M	B	2	211	19.98*	*
5	AUG78	29HLHCVC	2	212	251.0	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	2	210	11.6	12.7	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	2	212	11.6	12.7	10.1	14.3	1	4.6	23	.3	24.	4	.	.	*
5	AUG78	212 LN S	M	2	212	11.6	12.7	10.1	14.3	1	4.6	23	.3	24.	4	.	.	*
5	AUG78	213OLDPM	A	2	212	255.8	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRT5	A	2	212	22.3	.	.	.	.	39.	31	39.8	5	.	.	*
8	AUG78	3113.3VV	2	111	7.10	3.90	-0.70	-1	5.50	-5	.20	-10.	40	-10.5	0	-11.00*	*	
8	AUG78	32 1.6HH	2	111	3.10	-4.40	-6.80	-1	8.90	-11	.90	-16.	00	-18.7	0	-20.60*	*	
8	AUG78	33 1.6HV	2	111	-18.20	-20.50	-20.90	-2	1.20	-22	.00	-24.	00	-24.8	0	-26.40*	*	

8	AUG78	34 .4HH	2	111	-13.90	-17.60	-	20.70	-2	2.10	-23	.00	-31.	60	-32.7	0	-34.90*
8	AUG78	35 .4HV	2	111	-25.97	-28.50	-	33.70	-3	7.50	-42	.70	-49.	80	-48.5	0	-49.00*
8	AUG78	364.75HH	2	110	19.80	13.50		9.00		4.50		.60	-0.	90	-2.0	0	-4.50*
8	AUG78	374.75HV	2	110	16.20	8.50		5.30		3.60	2	.30	-2.	20	-2.7	0	-5.90*
8	AUG78	38 M	B	2	111	.		1.10		1.25	2	.95	.		.		19.71*
8	AUG78	39HLHCVC	2	111	.	224.7		227.8		.		.	.		.		*
8	AUG78	310FLD S	M	2	110	16.0	8.4	.		.		.	.		.		*
8	AUG78	311 LN S	M	2	111	.	.	.		.		.	.		.		*
8	AUG78	312 LN S	M	2	111	.	.	.		.		.	.		.		*
8	AUG78	313OLDPM	A	2	111	.	232.7	232.1		.		.	.		.		*
8	AUG78	314 PRTS	A	2	111	18.3	.	0.310	0	.978		.	39.	31	39.8	5	*
6	AUG78	3113.3VV	2	210	.	.		.		.		.	.		.		*
8	AUG78	32 1.6HH	2	210	.	.		.		.		.	.		.		*
6	AUG78	33 1.6HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	34 .4HH	2	210	.	.		.		.		.	.		.		*
8	AUG78	35 .4HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	364.75HH	2	210	.	.		.		.		.	.		.		*
8	AUG78	374.75HV	2	210	.	.		.		.		.	.		.		*
8	AUG78	38 M	B	2	211	.	.	.		.		.	.		.		19.71*
8	AUG78	39HLHCVC	2	212	210.9	.		.		.		.	.		.		*
8	AUG78	310FLD S	M	2	210	16.0	8.4	.		.		.	.		.		*
8	AUG78	311 LN S	M	2	212	.	.	.		.		.	.		.		*
8	AUG78	312 LN S	M	2	212	.	.	.		.		.	.		.		*
8	AUG78	313OLDPM	A	2	212	214.8	.	.		.		.	.		.		*
8	AUG78	314 PRTS	A	2	212	19.3	.	.		.		.	39.	31	39.8	5	*
11	AUG78	4113.3VV	2	111	3.00	-0.60		-5.30	-1	0.00	-9	.70	-14.	10	-15.8	0	-1.80
11	AUG78	42 1.6HH	2	111	-7.50	-12.00	-	15.10	-1	6.60	-18	.90	-23.	20	-24.7	0	-25.90*
11	AUG78	43 1.6HV	2	111	-20.80	-22.40	-	25.50	-2	6.50	-27	.70	-31.	30	-31.6	0	-30.80*
11	AUG78	44 .4HH	2	111	-14.75	-15.17	-	20.93	-2	0.10	-21	.40	-30.	00	-28.8	0	-31.90*
11	AUG78	45 .4HV	2	111	-24.39	-27.00	-	32.10	-3	4.90	-38	.90	-47.	60	-46.7	0	-47.04*
11	AUG78	464.75HH	2	110	19.00	12.50		7.40		4.00	1	.60	-1.	90	-3.3	0	-6.00*
11	AUG78	474.75HV	2	110	12.40	4.50		-0.90	-	4.90	7	.00	-11.	40	-11.2	0	-14.60*
11	AUG78	48 M	B	2	111	.	1.73	1.97		2.12	4	.58	.		.		38.69*
11	AUG78	49HLHCVC	2	111	.	284.1		288.3		.		.	.		.		*
11	AUG78	410FLD S	M	2	110	5.3	7.8	.		.		.	.		.		*
11	AUG78	411 LN S	M	2	111	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	412 LN S	M	2	111	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	413OLDPM	A	2	111	.	288.7	290.0		.		.	.		.		*
11	AUG78	414 PRTS	A	2	111	36.0	.	0.172	0	.948		.	39.	31	39.8	5	*
11	AUG78	4113.3VV	2	212	2.80	-1.00		-5.60	-	9.80	-10	.10	-14.	40	-15.0	0	-14.10*
11	AUG78	42 1.6HH	2	210	.	.		.		.		.	.		.		*
11	AUG78	43 1.6HV	2	210	.	.		.		.		.	.		.		*
11	AUG78	44 .4HH	2	212	-11.12	-14.40	-	17.80	-1	9.00	-20	.40	-28.	20	-29.8	0	-31.20*
11	AUG78	45 .4HV	2	212	-20.30	-24.80	-	29.70	-3	2.00	-37	.20	-45.	00	-45.6	0	-43.60*
11	AUG78	464.75HH	2	210	.	.		.		.		.	.		.		*
11	AUG78	474.75HV	2	210	.	.		.		.		.	.		.		*
11	AUG78	48 M	B	2	211	.	.	.		.		.	.		.		38.69*
11	AUG78	49HLHCVC	2	212	279.4	.		.		.		.	.		.		*
11	AUG78	410FLD S	M	2	210	5.3	7.8	.		.		.	.		.		*
11	AUG78	411 LN S	M	2	212	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	412 LN S	M	2	212	5.2	7.1	10.0		14.7	1	0.9	21	.2	24.	3	*
11	AUG78	413OLDPM	A	2	212	287.9	.	.		.		.	.		.		*
11	AUG78	414 PRTS	A	2	212	37.7	.	.		.		.	39.	31	39.8	5	*
14	AUG78	5113.3VV	2	113	4.10	-0.30		-5.00	-	8.10	-8	.50	-13.	60	.		*
14	AUG78	52 1.6HH	2	113	-6.50	-10.50	-	13.20	-1	5.90	-17	.70	-21.	60	.		*
14	AUG78	53 1.6HV	2	113	-21.30	-23.80	-	23.80	-2	5.60	-27	.60	-30.	70	.		*
14	AUG78	54 .4HH	2	113	-14.30	-17.00	-	18.90	-2	0.40	-22	.90	-29.	10	.		*
14	AUG78	55 .4HV	2	113	-25.21	-27.40	-	32.80	-3	6.70	-39	.70	-46.	30	.		*
14	AUG78	564.75HH	2	111	7.18	1.68		-3.28	-	7.29	-10	.18	-14.	23	.		*

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14 AUG78	574.75HV	2	111	-4.27	-10.67	17.69	-1	9.83	-23	.12	-27.	03	.	.	.	28.45*
14 AUG78	58 M	B 2	111	.	1.52	1.81		1.89	4	.15	28.45*
14 AUG78	59HLHCVC	2	113	.	280.6	285.8										*
14 AUG78	510FLD S	M 2	110	3.6	5.2											*
14 AUG78	511 LN S	M 2	111	3.6	5.2	9.8		14.5		9.6	22	.5	24.	5		*
14 AUG78	512 LN S	M 2	111	3.6	5.2	9.8		14.5		9.6	22	.5	24.	5		*
14 AUG78	5130LDPM	A 2	113	.	285.4	287.6										*
14 AUG78	514 PRT5	2	113	30.8		0.131	0	.945			39.	31	39.8	5		*
14 AUG78	5113.3VV	2	212	4.10	.	-5.00		8.80	-8	.30	-12.	90	-14.5	0	-14.30*	
14 AUG78	52 1.6HH	2	210	.	.	.		.		.	.	.	.	.	.	*
14 AUG78	53 1.6HV	2	210	.	.	.		.		.	.	.	.	.	.	*
14 AUG78	54 .4HH	2	212	-14.90	-17.30	19.80	-2	0.80	-21	.26	-29.	70	-32.2	0	-33.00*	
14 AUG78	55 .4HV	2	212	-24.10	-28.40	33.70	-3	4.90	-38	.90	-46.	00	-46.3	0	-48.00*	
14 AUG78	564.75HH	2	210	.	.	.		.		.	.	.	.	.	.	*
14 AUG78	574.75HV	2	210	.	.	.		.		.	.	.	.	.	.	*
14 AUG78	58 M	B 2	211	.	.	.		.		.	.	.	.	.	.	28.45*
14 AUG78	59HLHCVC	2	212	274.4	.	.		.		.	.	.	.	.	.	*
14 AUG78	510FLD S	M 2	210	3.6	5.2											*
14 AUG78	511 LN S	M 2	212	3.6	5.2	9.8		14.5		9.6	22	.5	24.	5		*
14 AUG78	512 LN S	M 2	212	3.6	5.2	9.8		14.5		9.6	22	.5	24.	5		*
14 AUG78	5130LDPM	A 2	212	281.7	.	.		.		.	.	.	.	.	.	*
14 AUG78	514 PRT5	2	212	29.7							39.	31	39.8	5		*
17 AUG78	6113.3VV	2	111	3.90	0.50	-3.70		8.40	-8	.70	-12.	60	-14.6	0	-14.30*	
17 AUG78	62 1.6HH	2	111	-5.40	-9.40	12.70	-1	4.10	-16	.50	-20.	50	-22.1	0	-23.80*	
17 AUG78	63 1.6HV	2	111	-16.00	-20.70	24.00	-2	3.30	-27	.20	-28.	60	-29.8	0	-30.30*	
17 AUG78	64 .4HH	2	111	-14.20	-16.30	18.60	-1	9.20	-21	.36	-29.	80	-33.0	0	-33.70*	
17 AUG78	65 .4HV	2	111	-23.40	-26.50	33.90	-3	5.70	-37	.80	-48.	90	-47.3	0	-49.70*	
17 AUG78	664.75HH	2	111	7.41	1.87	-4.09		8.08	-10	.62	-14.	99	-18.0	7	-18.77*	
17 AUG78	674.75HV	2	111	-4.15	-10.34	16.21	-2	0.52	-22	.48	-28.	32	-29.1	6	-30.45*	
17 AUG78	68 M	B 2	111	.	1.63	1.87		2.02	4	.34	.	.	.	.	.	29.93*
17 AUG78	69HLHCVC	2	111	.	279.1	283.1										*
17 AUG78	610FLD S	M 2	110	3.3	4.8											*
17 AUG78	611 LN S	M 2	111	3.3	5.1	8.5		15.6		9.1	22	.3	23.	5		*
17 AUG78	612 LN S	M 2	111	3.3	5.1	8.5		15.6		9.1	22	.3	23.	5		*
17 AUG78	6130LDPM	A 2	111	.	284.1	285.3										*
17 AUG78	614 PRT5	2	111	28.4		0.159	0	.947			39.	31	39.8	5		*
17 AUG78	6113.3VV	2	212	3.20	-0.20	-4.20		9.20	-9	.10	-13.	30	-14.1	0	-14.60*	
17 AUG78	62 1.6HH	2	210	.	.	.		.		.	.	.	.	.	.	*
17 AUG78	63 1.6HV	2	210	.	.	.		.		.	.	.	.	.	.	*
17 AUG78	64 .4HH	2	212	-12.40	-15.10	19.60	-1	9.40	-19	.60	-28.	90	-30.7	0	-32.80*	
17 AUG78	65 .4HV	2	212	-22.40	-26.50	32.80	-3	4.80	-37	.80	-47.	80	-46.3	0	-47.70*	
17 AUG78	664.75HH	2	210	.	.	.		.		.	.	.	.	.	.	*
17 AUG78	674.75HV	2	210	.	.	.		.		.	.	.	.	.	.	*
17 AUG78	68 M	B 2	211	.	.	.		.		.	.	.	.	.	.	29.93*
17 AUG78	69HLHCVC	2	212	277.9	.	.		.		.	.	.	.	.	.	*
17 AUG78	610FLD S	M 2	210	3.3	4.8											*
17 AUG78	611 LN S	M 2	212	3.3	5.0	8.5		15.6		9.1	22	.3	23.	6		*
17 AUG78	612 LN S	M 2	212	3.3	5.0	8.5		15.6		9.1	22	.3	23.	6		*
17 AUG78	6130LDPM	A 2	212	285.6	.	.		.		.	.	.	.	.	.	*
17 AUG78	614 PRT5	2	212	32.1							39.	31	39.8	5		*
2 AUG78	1113.3VV	4	111	2.20	-2.40	-6.30		9.40	-8	.40	-11.	60	.	.	.	*
2 AUG78	12 1.6HH	4	111	-5.30	-9.80	12.20	-1	4.00	-16	.90	-19.	10	.	.	.	*
2 AUG78	13 1.6HV	4	111	-16.40	-19.40	20.10	-2	0.80	-21	.90	-22.	90	.	.	.	*
2 AUG78	14 .4HH	4	111	-15.40	-20.40	24.60	-2	8.40	-32	.90	-36.	30	.	.	.	*
2 AUG78	15 .4HV	4	111	-25.80	-27.10	32.00	-3	5.10	-41	.30	-45.	00	.	.	.	*
2 AUG78	164.75HH	4	110	.	.	.		.		.	.	.	.	.	.	*
2 AUG78	174.75HV	4	110	*
2 AUG78	18 M	A 4	111	.	0.82	0.45		1.97	7	.50	21.70*
2 AUG78	19HLHCVC	4	111	.	267.9	271.7										*

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2	AUG78	110FLD	S	M	4	110	17.9	20.6
2	AUG78	111 LN	S	M	4	111	22.0	23.2	24.1	22.9	2	2.6	20	.9	20.	9
2	AUG78	112 LN	S	M	4	111	22.0	23.2	24.1	22.9	2	2.6	20	.9	20.	9	.	.	.	.	.
2	AUG78	113OLDPH	M	N	4	111	.	272.4	272.6	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	S	N	4	111	20.4	3.545	1	.177	.	33.	83	34.5	5	.	.	.	.	.	.
2	AUG78	1113.3VV	S	N	4	212	2.30	-2.00	-6.20	-	9.90	-9	.10	-13.	20	-12.4	0	.	.	.	.
2	AUG78	12 1.6HH	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH	S	N	4	212	-12.85	-15.41	-	21.46	-2	4.10	-28	.72	-33.	00	-29.9	0	-33.70	*	.
2	AUG78	15 .4HV	S	N	4	212	-23.50	-26.80	-	33.50	-3	7.20	-40	.30	-45.	70	-42.3	0	-44.10	*	.
2	AUG78	164.75HH	S	N	4	212	8.25	1.51	-3.04	-	5.91	-7	.67	-9.	30	-9.7	8	.	.	.	.
2	AUG78	174.75HV	S	N	4	212	-4.10	-7.05	-	13.36	-1	4.21	-16	.01	-17.	41	-16.5	8	.	.	.
2	AUG78	16 M	S	N	4	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21.70*
2	AUG78	19HLHCVC	S	N	4	211	248.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD	S	M	4	210	17.9	20.6	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN	S	M	4	212	17.9	20.6	21.9	21.5	2	1.0	21	.9	19.	4	.	.	.	.	.
2	AUG78	112 LN	S	M	4	212	17.9	20.6	21.9	21.5	2	1.0	21	.9	19.	4	.	.	.	.	.
2	AUG78	113OLDPM	M	N	4	212	255.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	S	N	4	212	21.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	S	N	4	111	0.40	-2.40	-6.10	-	8.90	-7	.40	-11.	50	-12.0	0	-11.40	*	.	
5	AUG78	22 1.6HH	S	N	4	111	-8.10	-12.60	-	14.90	-1	7.50	-19	.50	-20.	70	-22.7	0	-23.20	*	.
5	AUG78	23 1.6HV	S	N	4	111	-18.10	-19.50	-	21.60	-2	1.50	-23	.00	-24.	30	-25.4	0	-26.30	*	.
5	AUG78	24 .4HH	S	N	4	111	-16.00	-21.10	-	24.50	-2	8.70	-32	.50	-40.	50	-39.5	0	-39.50	*	.
5	AUG78	25 .4HV	S	N	4	111	-26.90	-29.80	-	35.20	-4	0.10	-45	.20	-50.	30	-48.3	0	-49.60	*	.
5	AUG78	264.75HH	S	N	4	111	5.63	-0.56	-5.07	-	7.57	-8	.12	-10.	37	-11.7	7	-13.44	*	.	
5	AUG78	274.75HV	S	N	4	111	-4.16	-7.72	-	13.61	-1	5.07	-16	.82	-18.	57	-18.4	6	-20.79	*	.
5	AUG78	28 M	S	N	4	111	.	6.80	0.43	1.94	7	.41	.	.	.	.	.	.	.	.	18.77*
5	AUG78	29HLHCVC	S	N	4	111	.	265.3	269.5	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD	S	M	4	110	19.7	20.8	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN	S	M	4	111	16.7	18.0	20.6	20.9	2	0.9	21	.2	17.	8	.	.	.	.	.
5	AUG78	212 LN	S	M	4	111	16.7	18.0	20.6	20.9	2	0.9	21	.2	17.	8	.	.	.	.	.
5	AUG78	213OLDPM	M	N	4	111	.	270.7	271.1	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRT5	S	N	4	111	17.9	3.531	1	.175	.	33.	83	34.5	5	.	.	.	.	.	.
5	AUG78	2113.3VV	S	N	4	212	1.10	-2.00	-6.00	-	8.70	-7	.90	-11.	30	-11.9	0	-11.60	*	.	
5	AUG78	22 1.6HH	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	S	N	4	212	-14.00	-18.20	-	22.90	-2	6.20	-31	.00	-37.	70	-36.4	0	-37.60	*	.
5	AUG78	25 .4HV	S	N	4	212	-24.70	-29.20	-	34.20	-3	8.00	-44	.30	-49.	00	-49.0	0	-46.10	*	.
5	AUG78	264.75HH	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	S	N	4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	S	N	4	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	18.77*
5	AUG78	29HLHCVC	S	N	4	211	243.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD	S	M	4	210	19.7	20.8	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN	S	M	4	212	16.7	18.0	20.6	20.9	2	0.9	21	.2	17.	8	.	.	.	.	.
5	AUG78	212 LN	S	M	4	212	16.7	18.0	20.6	20.9	2	0.9	21	.2	17.	8	.	.	.	.	.
5	AUG78	213OLDPM	M	N	4	212	248.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRT5	S	N	4	212	19.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	3113.3VV	S	N	4	111	1.20	-2.50	-6.20	-	8.50	-6	.80	-11.	50	-11.8	0	-12.80	*	.	
8	AUG78	32 1.6HH	S	N	4	111	-4.90	-10.40	-	13.60	-1	5.00	-17	.20	-19.	40	-20.5	0	-21.80	*	.
8	AUG78	33 1.6HV	S	N	4	111	-20.10	-22.50	-	22.80	-2	4.20	-25	.00	-27.	00	-27.1	0	-28.50	*	.
8	AUG78	34 .4HH	S	N	4	111	-16.86	-19.60	-	24.10	-2	8.00	-31	.90	-37.	20	-37.1	0	-37.30	*	.
8	AUG78	35 .4HV	S	N	4	111	-24.20	-28.40	-	35.40	-4	1.80	-48	.00	-50.	40	-51.3	0	-49.70	*	.
8	AUG78	364.75HH	S	N	4	110	14.50	8.60	5.50	2.80	1	.30	-0.	60	-1.1	0	-3.50	*	.	.	.
8	AUG78	374.75HV	S	N	4	110	15.90	8.10	5.00	5.30	2	.70	-0.	80	0.6	0	-1.90	*	.	.	.
8	AUG78	36 M	S	N	4	111	.	0.80	0.40	2.00	8	.25	.	.	.	.	.	.	.	.	19.47*
8	AUG78	39HLHCVC	S	N	4	111	.	269.3	273.8	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD	S	M	4	110	21.3	22.4	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN	S	M	4	111	21.3	22.4	23.2	22.6	2	2.5	21	.9	19.	2
8	AUG78	312 LN	S	M	4	111	21.3	22.4	23.2	22.6	2	2.5	21	.9	19.	2

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8	AUG78	3130LOPM	N	4	111	.	274.5	275.8																	*
8	AUG78	314 PRT5		4	111	18.1		4.025	1	.186			33.	83	34.5	5									*
8	AUG78	3113.3VV		4	212	0.50	-2.00	-5.20	-	8.70	-8	.00	-11.	80	-12.0	0	-12.60*								*
8	AUG78	32 1.6HH		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		4	212	-12.30	-16.70	-22.40	-2	5.70	-29	.40	-34.	20	-34.2	0	-34.60*								*
8	AUG78	35 .4HV		4	212	-23.90	-27.70	-34.50	-3	9.50	-44	.70	-48.	50	-49.7	0	-47.40*								*
8	AUG78	364.75HH		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	A	4	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	19.47*
8	AUG78	39HLHCVC		4	212	249.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	4	210	21.3	22.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	4	212	20.5	21.8	22.6		22.1	2	1.7	22	.2	18.	6								*	
8	AUG78	312 LN S	M	4	212	20.5	21.8	22.6		22.1	2	1.7	22	.2	18.	6								*	
8	AUG78	3130LOPM	N	4	212	255.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5		4	212	18.7	.	.	.	.	.	.	33.	83	34.5	5								*	
11	AUG78	4113.3VV		4	111	-3.50	-5.70	-7.60	-1	0.40	-8	.90	-13.	20	-11.7	0	-12.80*								*
11	AUG78	42 1.6HH		4	111	-5.00	-15.60	-18.90	-1	9.50	-21	.50	-24.	00	-25.3	0	-26.40*								*
11	AUG78	43 1.6HV		4	111	-21.10	-24.00	-26.40	-2	4.40	-26	.90	-28.	40	-30.2	0	-30.80*								*
11	AUG78	44 .4HH		4	111	-16.20	-20.60	-24.10	-2	6.00	-28	.30	-33.	20	-33.1	0	-33.90*								*
11	AUG78	45 .4HV		4	111	-27.24	-29.34	-34.80	-3	7.46	-42	.36	-46.	38	-46.2	0	-47.04*								*
11	AUG78	464.75HH		4	110	14.90	10.10	6.90		3.10	2	.30	-6.	10	-0.8	0	-2.30*								*
11	AUG78	474.75HV		4	110	15.40	6.50	3.10		1.80	0	.60	-3.	40	-2.4	0	-5.50*								*
11	AUG78	48 M	A	4	111	.	0.70	0.40		1.90	7	.85	.	.	.	.	.	.	.	.	.	.	.	.	29.07*
11	AUG78	49HLHCVC		4	111	.	286.3	292.6		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	4	110	9.9	13.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	4	111	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8								*	
11	AUG78	412 LN S	M	4	111	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8								*	
11	AUG78	4130LOPM	N	4	111	.	292.6	293.4		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		4	111	26.6	.	3.827	1	.184			33.	83	34.5	5								*	
11	AUG78	4113.3VV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.75HH		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		4	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	A	4	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29.07*
11	AUG78	49HLHCVC		4	211	267.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	4	210	9.9	13.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	4	212	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8								*	
11	AUG78	412 LN S	M	4	212	9.9	13.3	14.8		14.5	1	4.0	18	.3	17.	8								*	
11	AUG78	4130LOPM	N	4	212	276.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		4	212	27.9	.	.	.	.	.	.	33.	83	34.5	5								*	
14	AUG78	5113.3VV		4	113	3.70	-1.00	-5.80	-	6.20	-7	.20	-11.	00	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	52 1.6HH		4	113	-5.60	-11.00	-13.70	-1	5.60	-17	.60	-19.	70	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		4	113	-19.10	-21.60	-21.80	-2	3.10	-25	.40	-25.	40	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		4	113	-11.87	-16.04	-20.58	-2	4.02	-28	.37	-33.	34	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	55 .4HV		4	113	-21.14	-25.34	-29.80	-3	2.80	-38	.10	-43.	00	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	564.75HH		4	111	8.15	2.29	-1.54		4.82	-6	.53	.	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		4	111	-4.62	-5.95	-13.34	-1	4.31	-16	.67	.	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	A	4	111	.	0.75	0.43		1.97	7	.94	.	.	.	.	.	.	.	.	.	.	.	24.44*	
14	AUG78	59HLHCVC		4	113	.	271.1	277.5		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	4	110	20.5	21.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	4	111	20.5	21.4	21.5		20.5	2	0.6	20	.2	17.	6								*	
14	AUG78	512 LN S	M	4	111	20.5	21.4	21.5		20.5	2	0.6	20	.2	17.	6								*	
14	AUG78	5130LOPM	N	4	113	.	274.5	277.7		*
14	AUG78	514 PRT5		4	113	24.1	.	3.820	1	.182			33.	83	34.5	5								*	
14	AUG78	5113.3VV		4	210	*

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2	AUG78	15 .4HV	6	212	-23.70	-30.10	-33.20	-3	5.50	-38	.70	-43.	00	-44.9	0	-46.80*
2	AUG78	164.75HH	6	212	5.42	0.44	-2.41	-	7.25	-8	.81	-12.	74	-13.4	4	. . *
2	AUG78	174.75HV	6	212	-5.67	-10.04	15.58	-1	8.57	-20	.69	-25.	47	-25.2	6	. . *
2	AUG78	18 H	B	6	211	.	.	.	.	.	.	.	.	.	.	27.15*
2	AUG78	19HLHCVC	B	6	212	273.5	.	.	.	.	.	.	.	.	.	. . *
2	AUG78	110FLD S	M	6	210	3.3	4.1	.	.	.	.	.	.	.	.	. . *
2	AUG78	111 LN S	M	6	212	3.0	4.0	7.3	16.2	1	1.1	17	.5	18.	3	. . *
2	AUG78	112 LN S	M	6	212	3.0	4.0	7.3	16.2	1	1.1	17	.5	18.	3	. . *
2	AUG78	113OLDPH	C	6	212	278.1	.	.	.	.	.	.	.	.	.	. . *
2	AUG78	114 PRTS	C	6	212	26.7	.	.	.	.	.	40.	04	41.4	2	. . *
5	AUG78	2113.3VV	6	111	3.20	C.10	-4.30	-1	7.50	-7	.50	-12.	60	-14.1	0	-14.60*
5	AUG78	22 1.6HH	6	111	-5.50	-9.50	11.60	-1	3.30	-15	.90	-19.	20	-21.9	0	-22.60*
5	AUG78	23 1.6HV	6	111	-18.50	-18.90	20.90	-2	1.30	-22	.10	-23.	70	-24.5	0	-25.40*
5	AUG78	24 .4HH	6	111	-13.60	-18.00	21.30	-2	5.30	-28	.20	-37.	50	-37.1	0	-38.20*
5	AUG78	25 .4HV	6	111	-24.40	-28.70	34.40	-3	6.40	-40	.60	-48.	60	-49.4	0	-47.70*
5	AUG78	264.75HH	6	111	5.32	0.24	-4.54	-1	8.24	-9	.40	-12.	07	-13.7	5	-15.40*
5	AUG78	274.75HV	6	111	-4.55	-8.81	16.45	-1	8.82	-21	.98	-24.	84	-24.0	2	-27.94*
5	AUG78	28 H	B	6	111	.	1.46	.	1.78	4	.22	.	.	.	.	19.65*
5	AUG78	29HLHCVC	B	6	111	.	261.6	265.1	.	.	.	.	.	.	.	. . *
5	AUG78	210FLD S	M	6	110	13.3	14.7	.	.	.	.	.	.	.	.	. . *
5	AUG78	211 LN S	M	6	111	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	. . *
5	AUG78	212 LN S	M	6	111	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	. . *
5	AUG78	213OLDPH	C	6	111	.	266.8	266.7	.	.	.	.	.	.	.	. . *
5	AUG78	214 PRTS	C	6	111	18.6	C.199	C	.952	0	.40	04	41.4	2	. . *	
5	AUG78	2113.3VV	6	212	2.10	-0.50	-5.72	-	8.80	-8	.80	-13.	70	-15.2	0	-15.30*
5	AUG78	22 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	23 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	24 .4HH	6	212	-10.80	-17.00	21.60	-2	4.70	-26	.70	-35.	20	-36.2	0	-36.50*
5	AUG78	25 .4HV	6	212	-23.70	-27.00	33.60	-3	6.00	-39	.90	-47.	80	-47.2	0	-47.80*
5	AUG78	264.75HH	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	274.75HV	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	28 H	B	6	211	.	.	.	.	.	.	.	.	.	.	19.65*
5	AUG78	29HLHCVC	B	6	212	249.7	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	210FLD S	M	6	210	13.3	14.7	.	.	.	.	.	.	.	.	. . *
5	AUG78	211 LN S	M	6	212	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	. . *
5	AUG78	212 LN S	M	6	212	13.0	14.6	12.4	15.7	1	4.1	18	.8	18.	8	. . *
5	AUG78	213OLDPH	C	6	212	254.5	.	.	.	.	.	.	.	.	.	. . *
5	AUG78	214 PRTS	C	6	212	21.3	.	.	.	.	.	40.	04	41.4	2	. . *
8	AUG78	3113.3VV	6	111	4.60	-0.40	-5.80	-1	8.70	-7	.40	-13.	40	-13.6	0	-14.20*
8	AUG78	32 1.6HH	6	111	-5.40	-9.90	12.60	-1	4.50	-16	.80	-19.	40	-21.7	0	-22.00*
8	AUG78	33 1.6HV	6	111	-20.30	-22.80	23.10	-2	4.00	-25	.70	-27.	50	-29.3	0	-28.80*
8	AUG78	34 .4HH	6	111	-11.88	-17.50	21.20	-2	4.50	-28	.00	-34.	80	-35.3	0	-35.80*
8	AUG78	35 .4HV	6	111	-21.70	-28.90	35.20	-4	1.40	-47	.60	-51.	30	-51.7	7	-52.00*
8	AUG78	364.75HH	6	110	14.50	8.80	4.80	-4	1.50	-0	.80	-2.	70	-4.4	0	-7.10*
8	AUG78	374.75HV	6	110	14.90	3.70	0.90	-	0.30	-3	.60	-7.	00	-5.1	0	-8.10*
8	AUG78	38 H	B	6	111	.	1.50	1.75	1.90	4	.40	.	.	.	.	21.02*
8	AUG78	39HLHCVC	B	6	111	.	269.3	273.6	.	.	.	.	.	.	.	. . *
8	AUG78	310FLD S	M	6	110	6.1	10.0	.	.	.	.	.	.	.	.	. . *
8	AUG78	311 LN S	M	6	111	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	. . *
8	AUG78	312 LN S	M	6	111	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	. . *
8	AUG78	313OLDPH	C	6	111	.	274.5	274.9	.	.	.	.	.	.	.	. . *
8	AUG78	314 PRTS	C	6	111	19.6	.	0.333	0	.965	.	40.	04	41.4	2	. . *
8	AUG78	3113.3VV	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
8	AUG78	32 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
8	AUG78	33 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	. . *
8	AUG78	34 .4HH	6	210 *
8	AUG78	35 .4HV	6	210 *
8	AUG78	364.75HH	6	210 *
8	AUG78	374.75HV	6	210 *

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6	AUG78	38 M	B	6	211	21.02*
8	AUG78	39HLHCVC		6	212	270.1
8	AUG78	310FLD S	N	6	210	6.1	10.0
8	AUG78	311 LN S	N	6	212	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.	.	.	.
8	AUG78	312 LN S	M	6	212	6.2	10.1	11.4	13.7	1	3.2	17	.9	19.	6	.	.	.	.
8	AUG78	313OLDPH	C	6	212	276.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRYS		6	212	20.9	.	.	.	.	.	40.	04	41.4	2	.	.	.	.
11	AUG78	4113.3VV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		6	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	6	111	.	1.86	2.16	2.31	4	.90	.	.	.	.	.	.	.	.	38.85*
11	AUG78	49HLHCVC		6	111	.	286.5	290.5	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	N	6	110	3.8	7.0	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	6	111	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.	.
11	AUG78	412 LN S	M	6	111	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.	.
11	AUG78	413OLDPH	C	6	111	.	291.0	291.8	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		6	111	36.0	.	0.122	.942	.	.	40.	04	41.4	2	.	.	.	.	.
11	AUG78	4113.3VV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	6	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	38.85*
11	AUG78	49HLHCVC		6	212	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	N	6	210	3.8	7.0	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	6	212	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.	.
11	AUG78	412 LN S	M	6	212	3.9	6.9	11.0	16.6	1	3.4	20	.0	20.	8	.	.	.	.
11	AUG78	413OLDPH	C	6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		6	212	37.9	.	.	.	.	.	40.	04	41.4	2	.	.	.	.	.
14	AUG78	5113.3VV		6	113	5.90	5.60	0.10	2.80	-3	.10	-8.	10	.	.	.	.	.	.	.
14	AUG78	52 1.6HH		6	113	-3.10	-6.80	-8.60	9.90	-11	.90	-16.	30	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		6	113	-18.10	-19.20	19.40	9.60	-20	.50	-22.	00	.	.	.	.	.	.	.
14	AUG78	54 .4HH		6	113	-11.56	-16.77	20.05	3.45	-24	.54	-32.	78	.	.	.	.	.	.	.
14	AUG78	55 .4HV		6	113	-23.78	-26.41	29.43	4.13	-37	.39	-43.	15	.	.	.	.	.	.	.
14	AUG78	564.75HH		6	111	11.92	5.57	0.74	2.66	-5	.20	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		6	111	-1.42	-6.03	13.06	3.72	-16	.24	.	.	.	.	.	.	.	.	24.07*
14	AUG78	58 M	B	6	111	.	1.28	1.57	1.66	3	.66	.	.	.	.	.	.	.	.	.
14	AUG78	59HLHCVC		6	113	.	241.4	246.7	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	N	6	110	20.3	20.0	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	6	111	20.1	20.1	18.3	16.7	1	9.6	18	.7	19.	8	.	.	.	.
14	AUG78	512 LN S	M	6	111	20.1	20.1	18.3	16.7	1	9.6	18	.7	19.	8	.	.	.	.
14	AUG78	513OLDPH	C	6	113	.	240.0	241.1	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRYS		6	113	24.2	.	0.142	.948	.	.	40.	04	41.4	2	.	.	.	.	.
14	AUG78	5113.3VV		6	212	5.60	5.70	0.40	2.70	-2	.50	-8.	20	-9.4	0	-10.10*	.	.	.	.
14	AUG78	52 1.6HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		6	212	-11.70	-17.00	21.50	5.20	-26	.36	-32.	40	-32.8	0	-34.40*	.	.	.	.
14	AUG78	55 .4HV		6	212	-23.50	-27.30	32.10	5.00	-38	.50	-44.	10	-42.7	0	-44.70*	.	.	.	.
14	AUG78	564.75HH		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		6	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	B	6	211	24.07*
14	AUG78	59HLHCVC		6	212	239.5
14	AUG78	510FLD S	N	6	210	20.3	20.0

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14	AUG78	511 LN S	R	6	212	19.2	19.7	17.7	16.7	1	8.4	18	.3	19.	7	*
14	AUG78	512 LN S	M	6	212	19.2	19.7	17.7	16.7	1	8.4	18	.3	19.	7	*
14	AUG78	513OLDPH	C	6	212	240.3	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	C	6	212	23.2	.	.	.	.	.	40.	04	41.4	2	*
17	AUG78	6113.3VV	6	111	2.90	0.30	-4.00	-	8.50	-8	.90	-12.	70	-14.0	9	-14.20*
17	AUG78	62 1.6HH	6	111	-7.90	-11.30	-	-	4.40	-17	.20	-19.	20	-21.1	0	-23.10*
17	AUG78	63 1.6HV	6	111	-15.90	-20.30	-	-	3.60	-26	.90	-28.	50	-29.6	0	-30.90*
17	AUG78	64 .4HH	6	111	-11.83	-17.18	-	-	4.28	-24	.21	-31.	80	-32.5	0	-34.50*
17	AUG78	65 .4HV	6	111	-23.70	-27.35	-	-	4.00	-38	.80	-47.	60	-46.6	0	-47.00*
17	AUG78	664.75HH	6	111	7.07	1.47	-4.23	-	8.32	-10	.21	-15.	24	-17.3	4	-17.93*
17	AUG78	674.75HV	6	111	-4.26	-9.76	-	-	0.12	-21	.79	-26.	71	-28.1	5	-29.58*
17	AUG78	68 M	B	6	111	.	1.74	2.05	2.19	4	.70	.	.	.	.	28.84*
17	AUG78	69HLHCVC	B	6	111	.	280.0	284.5	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	6	110	5.3	12.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	6	111	5.7	12.6	15.7	16.7	1	5.0	17	.8	17.	0	*
17	AUG78	612 LN S	M	6	111	5.7	12.6	15.7	16.7	1	5.0	17	.8	17.	0	*
17	AUG78	613OLDPH	C	6	111	.	285.4	286.5	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	C	6	111	27.3	0.143	0.945	9.00	-9	.10	-13.	40	-14.6	0	-15.30*
17	AUG78	6113.3VV	6	212	3.50	-0.10	-4.20	-	9.00	-9	.10	-13.	40	-14.6	0	-15.30*
17	AUG78	62 1.6HH	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	6	212	-10.70	-15.40	-	-	0.10	-22	.10	-30.	40	-32.7	0	-33.70*
17	AUG78	65 .4HV	6	212	-22.70	-26.80	-	-	3.10	-37	.60	-46.	90	-47.1	0	-47.40*
17	AUG78	664.75HH	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	6	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	B	6	211	.	.	.	.	.	.	.	.	.	.	28.84*
17	AUG78	69HLHCVC	B	6	212	282.6	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	6	210	5.3	12.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	6	212	6.0	12.6	15.9	16.8	1	5.5	18	.9	16.	6	*
17	AUG78	612 LN S	M	6	212	6.0	12.6	15.9	16.8	1	5.5	18	.9	16.	6	*
17	AUG78	613OLDPH	C	6	212	250.1	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	C	6	212	30.7	.	.	.	.	.	40.	04	41.4	2	*
2	AUG78	1113.3VV	7	111	-0.40	-3.60	-	-	9.40	-9	.00	-11.	50	.	.	*
2	AUG78	12 1.6HH	7	111	-8.90	-13.30	-	-	8.70	-21	.50	-23.	50	.	.	*
2	AUG78	13 1.6HV	7	111	-19.30	-22.30	-	-	5.90	-26	.90	-28.	80	.	.	*
2	AUG78	14 .4HH	7	111	-16.00	-19.00	-	-	2.80	-26	.30	-32.	20	.	.	*
2	AUG78	15 .4HV	7	111	-26.30	-29.40	-	-	7.20	-40	.10	-48.	50	.	.	*
2	AUG78	164.75HH	7	110	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	7	110	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	L	7	111	.	1.72	1.75	2.26	5	.56	.	.	.	.	25.43*
2	AUG78	19HLHCVC	L	7	111	.	277.8	281.3	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	7	110	5.2	9.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	7	111	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	112 LN S	M	7	111	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	113OLDPH	U	7	111	.	281.6	281.3	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS	U	7	111	24.1	0.965	0.011	9.00	1	.011	45.	28	36.1	1	*
2	AUG78	1113.3VV	7	212	0.50	-3.40	-7.90	-	9.20	-8	.40	-12.	20	-12.5	0	*
2	AUG78	12 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4H	7	212	-13.80	-16.30	-	-	8.90	-24	.90	-29.	50	-29.6	0	*
2	AUG78	15 .4HV	7	212	-26.50	-28.50	-	-	5.90	-40	.20	-47.	60	-44.8	0	*
2	AUG78	164.75HH	7	212	4.08	-1.70	-5.30	-	8.37	-10	.12	-12.	63	-12.9	6	*
2	AUG78	174.75HV	7	212	-6.80	-9.75	-	-	7.77	-19	.24	-21.	38	-20.5	4	*
2	AUG78	18 K	L	7	211	.	.	.	.	.	.	.	.	.	.	25.43*
2	AUG78	19HLHCVC	L	7	212	274.4	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	7	210	5.2	9.9	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	7	212	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	112 LN S	M	7	212	5.2	9.9	13.6	16.1	1	3.9	19	.2	21.	2	*
2	AUG78	113OLDPH	U	7	212	280.3	*

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2	AUG78	114 PRTS	7	212	26.2																
5	AUG78	2113.3VV	7	111	1.99	-0.50	-14.00	-7.60	-7	.70	-45.	28	36.1	0	-12.10*						
5	AUG78	22 1.6HH	7	111	14.20	-6.80	13.70	-1	6.30	-19	.50	-23.	90	-25.6	0	-26.60*					
5	AUG78	23 1.6HV	7	111	-18.30	-19.80	22.40	-12	2.60	-34	.20	-24.	80	-25.2	0	-27.30*					
5	AUG78	24 .4HH	7	111	-17.76	-20.40	23.30	-2	4.10	-27	.50	-34.	79	-36.5	0	-37.20*					
5	AUG78	25 .4HV	7	111	-26.90	-31.20	35.10	-3	6.40	-41	.45	-48.	50	-48.8	0	-48.50*					
5	AUG78	264.75HH	7	111	4.58	-0.23	-5.47	-1	9.19	-10	.10	-12.	65	-13.4	0	-15.97*					
5	AUG78	274.75HV	7	111	-5.41	-8.75	14.99	-1	6.48	-18	.95	-22.	72	-22.2	3	-25.03*					
5	AUG78	28 M	L	7	111	.	1.34	1.36	1.92	4	.80	.	.	.	.	.	.	.	.	.	19.47*
5	AUG78	29HLHCVC	7	111	.	255.1	256.8	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	7	110	10.0	15.2	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	7	111	10.4	15.7	19.8	20.7	1	8.7	21	.4	23.	3	*					*
5	AUG78	212 LN S	M	7	111	10.4	15.7	19.8	20.7	1	8.7	21	.4	23.	3	*					*
5	AUG78	213OLDPH	U	7	111	.	260.9	252.4	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRTS	7	111	18.5	.	1.011	1	.029	.	45.	28	36.1	1	*						*
5	AUG78	2113.3VV	7	212	1.20	-1.00	-5.40	-1	8.60	-3	.10	-12.	70	-14.0	0	-13.50*					*
5	AUG78	22 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH	7	212	-13.10	-18.30	20.40	-2	3.70	-29	.30	-35.	80	-37.2	0	-39.90*					*
5	AUG78	25 .4HV	7	212	-27.50	-28.70	34.70	-3	6.70	-40	.80	-48.	30	-51.2	0	-48.80*					*
5	AUG78	264.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 M	L	7	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	19.47*
5	AUG78	29HLHCVC	7	212	247.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	7	210	10.0	15.2	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	7	212	10.0	15.2	18.7	19.4	1	7.8	19	.9	21.	6	*					*
5	AUG78	212 LN S	M	7	212	10.0	15.2	18.7	19.4	1	7.8	19	.9	21.	6	*					*
5	AUG78	213OLDPH	U	7	212	252.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRTS	7	212	20.9	.	.	.	.	.	45.	28	36.1	1	*						*
5	AUG78	3113.3VV	7	111	4.40	-0.20	-4.80	-1	7.30	-7	.60	-11	30	-12.9	0	-12.50*					*
5	AUG78	32 1.6HH	7	111	-2.20	-7.80	12.00	-1	4.40	-17	.70	-20.	00	-22.6	0	-23.70*					*
5	AUG78	33 1.6HV	7	111	-18.40	-21.90	22.00	-2	3.20	-24	.00	-25.	20	-26.3	0	-27.80*					*
5	AUG78	34 .4HH	7	111	-13.94	-17.10	20.40	-2	1.2	-24	.90	-34.	30	-36.8	5	-37.75*					*
5	AUG78	35 .4HV	7	111	-23.50	-28.20	36.20	-4	0.30	-46	.50	-54.	10	-51.5	0	-53.25*					*
5	AUG78	364.75HH	7	110	13.00	7.60	4.00	1.80	-0	.60	-1.	10	-3.5	0	-6.00*						*
5	AUG78	374.75HV	7	110	13.70	5.60	3.80	3.10	0	.60	-2.	60	-0.9	0	-3.40*						*
5	AUG78	38 M	L	7	111	.	1.30	1.25	1.75	4	.65	.	.	.	.	.	.	.	.	.	20.27*
5	AUG78	39HLHCVC	7	111	.	253.9	255.5	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	7	110	5.7	12.2	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	311 LN S	M	7	111	6.0	12.8	17.3	20.6	1	6.8	21	.7	24.	1	*					*
5	AUG78	312 LN S	M	7	111	6.0	12.8	17.3	20.6	1	6.8	21	.7	24.	1	*					*
5	AUG78	313OLDPH	U	7	111	.	259.2	257.5	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	314 PRTS	7	111	18.8	.	1.059	1	.037	.	45.	28	36.1	1	*						*
5	AUG78	3113.3VV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	32 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	33 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	34 .4HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	35 .4HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	364.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	374.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	38 M	L	7	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.27*
5	AUG78	39HLHCVC	7	212	259.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	7	210	5.7	12.2	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	311 LN S	M	7	212	6.0	12.8	17.3	20.6	1	6.8	21	.7	24.	1	*					*
5	AUG78	312 LN S	M	7	212	6.0	12.8	17.3	20.6	1	6.8	21	.7	24.	1	*					*
5	AUG78	313OLDPH	U	7	212	264.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	314 PRTS	7	212	19.7	.	.	.	.	.	45.	28	36.1	1	*						*
11	AUG78	4113.3VV	7	111	6.40	2.20	-2.50	-1	6.20	-5	.90	-9.	90	-10.4	0	-11.20*					*
11	AUG78	42 1.6HH	7	111	1.20	-6.00	10.80	-1	4.10	-17	.00	-20.	30	-21.0	0	-22.70*					*

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11	AUG78	43 1.6HV	7	111	-17.90	-21.10	21.60	-2	1.50	-21	.80	-22.	90	-23.7	0	-24.00*
11	AUG78	44 .4HH	7	111	-12.43	-20.60	24.50	-2	4.90	-26	.80	-53.	20	-33.6	0	-36.20*
11	AUG78	45 .4HV	7	111	-22.60	-30.10	33.50	-3	5.30	-39	.30	-44.	60	-44.2	0	-44.00*
11	AUG78	464.75HH	7	110	19.00	13.50	9.00		5.70	4	.55	1.	60	1.7	0	-0.30*
11	AUG78	474.75HV	7	110	12.60	7.80	3.50		3.20	2	.00	-0.	80	-0.9	0	-3.60*
11	AUG78	48 M	L	7	111	.	1.38		1.91	4	.85	.	.	.	.	28.56*
11	AUG78	49HLHCVC	7	111	.	244.8	246.3		.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	7	110	18.8	22.3		.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	7	111	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	*
11	AUG78	412 LN S	M	7	111	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	*
11	AUG78	413OLDPH	U	7	111	.	254.3	252.7	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	7	111	26.0	.	1.074	1	.034	.	45.	28	36.1	1	.	*
11	AUG78	4113.3VV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	L	7	211	.	.	.	.	.	.	.	.	.	.	28.56*
11	AUG78	49HLHCVC	7	212	246.0	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	7	210	18.8	22.3	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	7	212	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	*
11	AUG78	412 LN S	M	7	212	18.8	22.3	23.2	23.9	2	2.5	21	.1	22.	2	*
11	AUG78	413OLDPH	U	7	212	257.1	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	7	212	27.5	.	.	.	.	.	45.	28	36.1	1	.	*
14	AUG78	5113.3VV	7	113	1.80	-1.30	-5.30		8.10	-7	.60	-11.	60	.	.	*
14	AUG78	52 1.6HH	7	113	-5.50	-12.10	15.70	-1	8.20	-19	.40	-21.	80	.	.	*
14	AUG78	53 1.6HV	7	113	-20.10	-23.20	24.10	-2	4.80	-25	.60	-27.	90	.	.	*
14	AUG78	54 .4HH	7	113	-10.70	-15.40	18.73	-1	8.70	-24	.35	-33.	68	.	.	*
14	AUG78	55 .4HV	7	113	-24.30	-28.90	32.00	-3	3.00	-37	.90	-42.	80	.	.	*
14	AUG78	564.75HH	7	111	5.01	-1.07	-5.46		8.38	-9	.77	.	.	.	.	*
14	AUG78	574.75HV	7	111	-4.05	-10.03	15.47	-1	5.93	-19	.39	.	.	.	.	*
14	AUG78	58 M	L	7	111	.	1.26	1.12		1.78	4	.83	.	.	.	26.83*
14	AUG78	59HLHCVC	7	113	.	280.2	283.8		.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	7	110	7.6	14.0	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	7	111	7.7	14.3	18.8	20.4	1	8.0	21	.5	22.	6	*
14	AUG78	512 LN S	M	7	111	7.7	14.3	18.8	20.4	1	8.0	21	.5	22.	6	*
14	AUG78	513OLDPH	U	7	113	.	285.0	284.9	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	7	113	29.0	.	1.240	1	.052	.	45.	28	36.1	1	.	*
14	AUG78	5113.3VV	7	212	2.60	-1.20	-5.40		8.20	-6	.60	-10.	50	-10.8	0	-11.10*
14	AUG78	52 1.6HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	7	212	-15.10	-18.20	21.10	-2	2.50	-25	.40	-29.	80	-31.8	0	-34.10*
14	AUG 9	55 .4HV	7	212	-25.80	-28.40	31.80	-3	4.20	-37	.30	-43.	50	-42.0	0	-44.10*
14	AUG78	564.75HH	7	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV	7	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	L	7	211	.	.	.	.	.	.	.	.	.	.	26.83*
14	AUG78	59HLHCVC	7	212	274.5	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	7	210	7.6	14.0	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	7	212	7.6	14.0	18.5	20.2	1	7.7	21	.0	22.	8	*
14	AUG78	512 LN S	M	7	212	7.6	14.0	18.5	20.2	1	7.7	21	.0	22.	8	*
14	AUG78	513OLDPH	U	7	212	281.6	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	7	212	25.9	.	.	.	.	.	45.	28	36.1	1	.	*
17	AUG78	6113.3VV	7	111	1.40	-1.50	-4.90		8.30	-7	.60	-10.	30	-11.0	0	-10.50*
17	AUG78	62 1.6HH	7	111	-6.50	-10.70	14.90	-1	6.30	-18	.20	-20.	20	-20.6	0	-22.10*
17	AUG78	63 1.6HV	7	111	-16.70	-20.10	22.70	-2	2.40	-23	.90	-24.	70	-24.4	0	-25.20*
17	AUG78	64 .4HH	7	111	-14.16	-17.02	19.85	-1	8.68	-22	.22	-30.	53	-31.4	0	-34.57*
17	AUG78	65 .4HV	7	111	-25.00	-26.90	31.70	-3	2.70	-36	.80	-41.	90	-39.9	0	-41.00*

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17	AUG78	624.75HH	7	111	4.98	-0.33	-4.95	-	8.64	-10	.37	-12.	58	-1.6	2	-15.95*	
17	AUG78	674.75HV	7	111	-4.19	-9.60	-14.34	-1	6.98	-17	.85	-21.	33	-22.3	9	-23.78*	
17	AUG78	68 M	L	7	111	.	1.39	.	2.06	5	.65	.	.	.	.	27.73*
17	AUG78	69HLHCVC		7	111	.	279.2	.	222.8	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	7	110	4.5	10.9	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	7	111	4.5	10.9	16.1	18.3	1	5.6	19	.1	21.	6	.	
17	AUG78	612 LN S	M	7	111	4.5	10.9	16.1	18.3	1	5.6	19	.1	21.	6	.	
17	AUG78	613OLDPM	U	7	111	.	284.0	.	284.7	.	.	.	.	.	.	.
17	AUG78	614 PRT5		7	111	26.5	.	1.545	.	1	.061	.	45.	28	36.1	1	.
17	AUG78	6113.3VV		7	212	1.10	-1.70	-4.80	-	7.70	-7	.10	-9.	40	-10.5	0	-10.60*
17	AUG78	62 1.6HH		7	210	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		7	210	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH		7	212	-11.60	-14.70	-18.40	-1	6.10	-20	.30	-27.	90	-29.9	0	-31.80*
17	AUG78	65 .4HV		7	212	-24.80	-26.80	-30.40	-3	1.80	-36	.10	-40.	80	-39.6	0	-38.40*
17	AUG78	664.75HH		7	210	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV		7	210	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	L	7	211	.	.	.	.	.	.	.	.	.	.	27.73*
17	AUG78	69HLHCVC		7	212	282.3	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	7	210	4.5	10.9	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	7	212	4.5	11.3	16.5	19.5	1	6.0	20	.4	23.	5	.	
17	AUG78	612 LN S	M	7	212	4.5	11.3	16.5	19.5	1	6.0	20	.4	23.	5	.	
17	AUG78	613OLDPM	U	7	212	290.1	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5		7	212	29.5	45.	28	36.1	1	.
2	AUG78	1113.3VV		8	111	-0.70	-2.70	-5.30	-	7.80	-6	.50	-8.	90	.	.	
2	AUG78	12 1.6HH		8	111	-12.80	-16.30	-17.70	-1	8.00	-18	.80	-19.	80	.	.	
2	AUG78	13 1.6HV		8	111	-18.90	-20.80	-21.00	-2	0.10	-20	.30	-21.	40	.	.	
2	AUG78	14 .4HH		8	111	-20.10	-23.60	-25.80	-2	7.20	-29	.20	-34.	50	.	.	
2	AUG78	15 .4HV		8	111	-28.50	-32.60	-32.70	-3	1.90	-33	.80	-37.	90	.	.	
2	AUG78	164.75HH		8	110	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV		8	110	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	L	8	111	.	1.04	0.92	1.55	5	.51	.	.	.	.	25.64*
2	AUG78	19HLHCVC		8	111	.	280.6	284.1	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	8	110	2.3	3.9	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	8	111	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.	
2	AUG78	112 LN S	M	8	111	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.	
2	AUG78	113OLDPM	M	8	111	.	284.8	285.0	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		8	111	23.7	.	1.917	.	1	.102	.	40.	57	34.5	2	.
2	AUG78	1113.3VV		8	212	-0.60	-2.50	-5.20	-	7.70	-6	.80	-10.	20	-10.6	0	-10.60*
2	AUG78	12 1.6HH		8	210	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV		8	210	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH		8	212	-16.40	-21.30	-22.70	-2	5.60	-26	.30	-32.	20	-30.8	0	-29.70*
2	AUG78	15 .4HV		8	212	-28.80	-32.00	-31.10	-3	0.60	-31	.70	-34.	70	-35.4	0	-34.20*
2	AUG78	164.75HH		8	212	4.95	6.00	-3.11	-	6.02	-6	.86	-8.	55	-8.3	6	-11.15*
2	AUG78	174.75HV		8	212	-4.82	-8.95	-12.94	-1	4.17	-15	.53	-19.	13	-19.0	6	-21.22*
2	AUG78	18 M	L	8	211	.	.	.	.	.	.	.	.	.	.	25.64*
2	AUG78	19HLHCVC		8	212	275.0	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	8	210	2.3	3.9	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	8	212	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.	
2	AUG78	112 LN S	M	8	212	2.3	3.9	6.3	10.6	9.0	16	.3	17.	7	.	.	
2	AUG78	113OLDPM	M	8	212	280.5	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		8	212	26.0	40.	57	34.5	2	.
5	AUG78	2113.3VV		8	111	-0.10	-2.60	-5.80	-	7.90	-6	.40	-10.	60	-11.4	0	-11.60*
5	AUG78	22 1.6HH		8	111	-11.70	-14.90	-17.10	-1	7.10	-18	.70	-21.	00	-22.6	0	-22.50*
5	AUG78	23 1.6HV		8	111	-17.90	-18.50	-18.90	-1	9.10	-19	.80	-20.	50	-22.1	0	-21.50*
5	AUG78	24 .4HH		8	111	-17.20	-22.50	-27.00	-2	9.10	-31	.40	-36.	40	-36.2	0	-36.00*
5	AUG78	25 .4HV		8	111	-24.40	-32.80	-35.00	-3	5.70	-37	.20	-39.	60	-36.7	0	-36.60*
5	AUG78	264.75HH		8	111	1.68	-2.98	-7.47	-	9.75	-10	.03	-11.	88	-12.7	0	-14.75*
5	AUG78	274.75HV		8	111	-4.74	-8.63	-15.06	-1	5.97	-17	.75	-20.	48	-21.1	1	-22.84*
5	AUG78	28 M	L	8	111	.	1.01	0.91	1.65	5	.26	20.04*	

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5	AUG78	29HLHCVC	B	111	.	268.0	271.0
5	AUG78	210FLD S	M	8	110	8.1	8.6
5	AUG78	211 LN S	M	8	111	7.2	8.7	8.1	11.1	1	0.1	18	.6	19.	5
5	AUG78	212 LN S	M	8	111	7.2	8.7	8.1	11.1	1	0.1	18	.6	19.	5	.	.	.	.
5	AUG78	213OLDPH	W	8	111	.	272.9	272.6	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	B	111	.	19.4	1.793	1	.798	.	.	40.	57	34.5	2	.	.	.	.
5	AUG78	2113.3VV	B	212	.	3.40	-3.30	-	5.90	-4	.30	-9.	00	-9.9	0	-10.40*	.	.	.
5	AUG78	22 1.6HH	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	B	212	-14.50	-20.80	-	23.60	-2	7.10	-30	.80	-34.	60	-34.3	0	-33.80*	.	.
5	AUG78	25 .4HV	B	212	-28.50	-31.20	-	34.10	-3	3.30	-33	.50	-35.	80	-36.0	0	-34.10*	.	.
5	AUG78	264.75HH	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	L	8	211	.	.	.	.	.	.	.	.	.	.	.	.	20.04*	.
5	AUG78	29HLHCVC	B	212	259.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	8	210	8.1	8.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	8	212	8.1	8.6	8.6	12.5	1	0.2	17	.5	18.	8	.	.	.	.
5	AUG78	212 LN S	M	8	212	8.1	8.6	8.6	12.5	1	0.2	17	.5	18.	8	.	.	.	.
5	AUG78	213OLDPH	W	8	212	255.2	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	B	212	.	20.7	.	.	.	.	.	.	40.	57	34.5	2	.	.	.
5	AUG78	3113.3VV	B	111	-0.30	-2.80	-	-6.00	-	9.20	-7	.70	-11.	20	-12.5	0	-12.20*	.	.
5	AUG78	32 1.6HH	B	111	-9.00	-12.20	-	14.90	-1	5.00	-17	.30	-20.	20	-21.6	0	-22.80*	.	.
5	AUG78	33 1.6HV	B	111	-20.20	-20.70	-	20.10	-2	9.00	-19	.90	-21.	30	-22.4	0	-23.10*	.	.
5	AUG78	34 .4HH	B	111	-15.70	-20.00	-	24.60	-2	5.30	-28	.80	-34.	60	-33.7	0	-33.50*	.	.
5	AUG78	35 .4HV	B	111	-27.30	-33.60	-	32.50	-3	3.90	-36	.00	-39.	30	-38.2	0	-36.80*	.	.
5	AUG78	364.75HH	B	110	11.30	7.30	4.10	1.60	3	.60	-1.	50	-3.1	0	-4.00*	.	.	.	.
5	AUG78	374.75HV	B	110	14.90	11.60	7.00	6.00	3	.80	0.	10	-0.3	0	-2.80*	.	.	.	.
5	AUG78	38 M	L	8	111	.	0.90	0.80	1.50	5	.25	.	.	.	.	.	.	20.44*	.
5	AUG78	39HLHCVC	B	111	.	266.9	270.1	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	8	110	5.0	6.4	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	8	111	4.2	6.8	8.9	12.3	1	0.9	17	.3	18.	2	.	.	.	.
5	AUG78	312 LN S	M	8	111	4.2	6.8	8.9	12.3	1	0.9	17	.3	18.	2	.	.	.	.
5	AUG78	313OLDPH	W	8	111	.	272.3	272.6	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS	B	111	.	19.1	1.917	1	.112	.	.	.	40.	57	34.5	2	.	.	.
5	AUG78	3113.3VV	B	212	-0.50	-2.80	-	-5.80	-	9.10	-8	.30	-11.	70	-11.8	0	-11.80*	.	.
5	AUG78	32 1.6HH	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	33 1.6HV	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	34 .4HH	B	212	-18.80	-22.20	-	24.30	-2	6.20	-28	.60	-34.	70	-32.4	0	-32.40*	.	.
5	AUG78	35 .4HV	B	212	-28.90	-30.70	-	32.90	-3	4.30	-37	.20	-38.	00	-38.3	0	-36.90*	.	.
5	AUG78	364.75HH	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	374.75HV	B	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	38 M	L	8	211	.	.	.	.	.	.	.	.	.	.	.	.	20.44*	.
5	AUG78	39HLHCVC	B	212	264.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	8	210	5.0	6.4	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	8	212	5.0	6.4	8.9	12.7	1	0.1	17	.5	18.	3	.	.	.	.
5	AUG78	312 LN S	M	8	212	5.0	6.4	8.9	12.7	1	0.1	17	.5	18.	3	.	.	.	.
5	AUG78	313OLDPH	W	8	212	270.3	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS	B	212	.	19.9	.	.	.	.	.	.	40.	57	34.5	2	.	.	.
11	AUG78	4113.3VV	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV	B	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	L	8	111	.	1.21	1.11	1.84	5	.73	.	.	.	.	.	.	34.98*	.
11	AUG78	49HLHCVC	B	111	.	285.8	288.7	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	8	110	8.5	9.5
11	AUG78	411 LN S	M	8	111	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0

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11	AUG78	412 LN S	M	8	111	3.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	413OLDP	W	8	111	.	290.4	290.0	*	
11	AUG78	414 PRTS	8	8	111	30.7	.	1.813	1	.084	.	40.	57	34.5	2	*	
11	AUG78	4113.3VV	8	8	212	-1.20	-2.50	-4.90	-	7.80	-5	.30	-9.	55	-9.6	0	-10.50*
11	AUG78	42 1.6HH	8	8	210	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV	8	8	210	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH	8	8	212	-15.30	-19.30	-22.20	-2	3.90	-24	.80	-31.	00	-30.3	0	-30.20*
11	AUG78	45 .4HV	8	8	212	-27.90	-29.10	-30.50	-2	8.50	-31	.00	-33.	60	-33.3	0	-33.80*
11	AUG78	464.75HH	8	8	210	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV	8	8	210	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	L	8	211	.	.	.	.	.	.	.	.	.	.	34.98*	
11	AUG78	49HLHCVC	8	8	212	278.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	510FLD S	M	8	210	2.5	5.5	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	8	212	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	412 LN S	M	8	212	8.5	9.5	11.0	14.2	1	4.1	19	.6	20.	0	*	
11	AUG78	413OLDP	W	8	212	287.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	8	8	212	32.6	.	.	.	.	.	40.	57	34.5	2	*	
14	AUG78	5113.3VV	8	8	113	0.10	-1.30	-4.20	-	5.50	-4	.80	-8.	40	.	.	*
14	AUG78	52 1.6HH	8	8	113	-11.70	-14.80	-16.20	-1	6.30	-17	.90	-19.	10	.	.	*
14	AUG78	53 1.6HV	8	8	113	-15.80	-20.20	-20.60	-1	9.70	-22	.20	-21.	80	.	.	*
14	AUG78	54 .4HH	8	8	113	-17.43	-21.90	-22.20	-2	3.80	-25	.60	-30.	90	.	.	*
14	AUG78	55 .4HV	8	8	113	-25.42	-30.10	-29.60	-2	9.70	-30	.40	-32.	70	.	.	*
14	AUG78	564.75HH	8	8	111	4.85	-0.58	-4.68	-	7.75	-9	.64	.	.	.	.	*
14	AUG78	574.75HV	8	8	111	-2.42	-8.06	-15.08	-1	6.03	-17	.86	.	.	.	.	*
14	AUG78	58 H	L	8	111	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	59HLHCVC	8	8	113	.	285.0	289.2	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	8	110	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	8	111	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	*	
14	AUG78	512 LN S	M	8	111	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	*	
14	AUG78	513OLDP	W	8	113	285.7	.	250.4	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	8	8	113	28.2	.	.	.	.	.	40.	57	34.5	2	*	
14	AUG78	5113.3VV	8	8	212	1.40	-1.40	-4.50	-	6.40	-5	.20	-8.	50	-10.1	0	-10.70*
14	AUG78	52 1.6HH	8	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	8	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	8	8	212	-17.10	-20.80	-24.10	-2	6.20	-28	.60	-31.	20	-31.5	0	-31.60*
14	AUG78	55 .4HV	8	8	212	-26.50	-31.10	-31.40	-3	1.20	-31	.80	-34.	70	-35.2	0	-33.10*
14	AUG78	564.75HH	8	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV	8	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 H	L	8	211	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	59HLHCVC	8	8	212	278.3	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	8	210	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	8	212	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	*	
14	AUG78	512 LN S	M	8	212	4.9	6.5	8.3	11.9	1	0.6	18	.0	19.	3	*	
14	AUG78	513OLDP	W	8	212	285.7	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	8	8	212	27.0	.	.	.	.	.	40.	57	34.5	2	*	
17	AUG78	6113.3VV	8	8	111	2.30	0.80	-2.10	-	5.60	-5	.10	-7.	90	-9.0	0	-8.80*
17	AUG78	62 1.6HH	8	8	111	-9.70	-11.10	-13.30	-1	4.00	-15	.00	-16.	90	-18.5	0	-18.90*
17	AUG78	63 1.6HV	8	8	111	-16.00	-17.70	-18.40	-1	7.00	-18	.40	-19.	12	-20.0	0	-21.30*
17	AUG78	64 .4HH	8	8	111	-15.70	-20.10	-23.00	-2	4.70	-28	.10	-32.	64	-33.5	4	-32.34*
17	AUG78	65 .4HV	8	8	111	-26.00	-29.00	-30.50	-2	9.80	-31	.50	-33.	20	-34.1	0	-34.00*
17	AUG78	664.75HH	8	8	111	5.30	0.42	-3.40	-	6.63	-7	.66	-11.	11	-11.8	2	-12.88*
17	AUG78	674.75HV	8	8	111	-2.72	-8.85	-12.34	-1	4.30	-15	.22	-18.	86	-18.9	3	-21.01*
17	AUG78	68 H	L	8	111	.	1.01	6.90	.	1.65	5	.42	.	.	.	.	28.28*
17	AUG78	69HLHCVC	8	8	111	.	276.3	279.4	.	.	.	.	.	.	.	.	*
17	AUG78	510FLD S	M	8	110	3.2	5.6	.	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	8	111	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	1	*
17	AUG78	612 LN S	M	8	111	3.2	5.6	7.5	11.0	.	9.6	16	.7	18.	1	1	*
17	AUG78	613OLDP	W	8	111	.	281.1	280.8	*
17	AUG78	614 PRTS	8	8	111	25.2	.	1.892	1	.102	.	40.	57	34.5	2	1	*

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17	AUG78	6113.3VV	8	212	1.30	-0.10	-2.50	1	6.10	-5	.10	-8.	50	-10.2	0	-10.30*
17	AUG78	62 1.6HH	8	210
17	AUG78	63 1.6HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	F	212	-14.90	-19.50	-23.60	-2	3.70	-27	.30	-31.	10	-32.6	0	-30.70*
17	AUG78	65 .4HV	L	212	-25.50	-29.40	-31.00	-2	8.40	-31	.50	-33.	50	-32.4	0	-33.00*
17	AUG78	664.75HH	8	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	8	210	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	L	211	.	.	.	.	.	.	.	.	.	.	.	28.28*
17	AUG78	69HLHCVC	8	212	220.9	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	210	3.2	5.6	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	212	3.2	5.6	7.5	.	11.0	.	9.6	16	.7	18.	1	.
17	AUG78	612 LN S	M	212	3.2	5.6	7.5	.	11.0	.	9.6	16	.7	18.	1	.
17	AUG78	6130LDPH	M	212	287.5	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	M	212	28.0	.	.	.	.	.	.	40.	57	34.5	2	.
2	AUG78	1113.3VV	1A	111	-2.10	-5.10	-5.10	-1	7.20	-6	.10	-8.	70	-9.7	0	-9.00*
2	AUG78	12 1.6HH	1A	111	-11.60	-13.70	-14.40	-1	4.30	-15	.80	-17.	50	-19.2	0	-18.60*
2	AUG78	13 1.6HV	1A	111	-18.70	-19.30	-20.00	-1	9.60	-20	.30	-21.	00	-21.6	0	-22.50*
2	AUG78	14 .4HH	1A	111	-20.60	-24.10	-26.20	-2	9.00	-31	.40	-35.	60	-35.0	0	-34.10*
2	AUG78	15 .4HV	1A	111	-25.60	-33.10	-35.20	-3	5.80	-38	.70	-39.	60	-38.7	0	-38.00*
2	AUG78	164.75HH	1A	110	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	1A	110	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	L	1A	111	0.93	0.75	.	1.73	6	.07	.	.	.	.	24.62*
2	AUG78	19HLHCVC	1A	111	.	281.3	284.8	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	1A	110	6.1	9.6	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	1A	111	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7	.
2	AUG78	112 LN S	M	1A	111	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7	.
2	AUG78	1130LDPH	X	1A	111	.	285.6	285.8	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	1A	111	23.2	.	2.423	1	.131	.	.	45.	84	41.3	8	.
2	AUG78	1113.3VV	1A	212	-2.00	-2.60	-5.00	-1	6.80	-6	.00	-9.	10	-10.4	0	.
2	AUG78	12 1.6HH	1A	210	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH	1A	212	-17.50	-20.70	-22.20	-2	5.10	-27	.48	-31.	30	-30.5	0	.
2	AUG78	15 .4HV	1A	212	-26.90	-29.60	-32.70	-3	3.90	-34	.70	-37.	30	-37.2	0	.
2	AUG78	164.75	1A	212	3.81	-0.25	-3.41	-1	5.20	-6	.73	-9.	41	-9.5	6	.
2	AUG78	174.75HV	1A	212	-6.24	-8.50	-12.47	-1	2.79	-14	.53	-18.	33	-18.0	1	.
2	AUG78	18 M	L	1A	211	.	.	.	.	.	.	.	.	.	.	24.62*
2	AUG78	19HLHCVC	1A	212	277.9	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	1A	210	6.1	9.6	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	1A	212	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7	.
2	AUG78	112 LN S	M	1A	212	6.1	9.6	13.1	19.4	1	5.6	23	.1	23.	7	.
2	AUG78	1130LDPH	X	1A	212	283.0	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	1A	212	25.3	.	.	.	.	.	.	45.	84	41.3	8	.
5	AUG78	2113.3VV	1A	111	-0.60	-1.80	-4.40	-1	6.80	-5	.20	-8.	40	-9.8	0	-9.30*
5	AUG78	22 1.6HH	1A	111	-12.90	-15.50	-15.70	-1	6.90	-17	.50	-19.	50	-20.4	0	-19.60*
5	AUG78	23 1.6HV	1A	111	-17.90	-17.80	-19.50	-1	8.10	-18	.10	-18.	70	-20.3	0	-20.60*
5	AUG78	24 .4HH	1A	111	-19.90	-24.55	-25.70	-2	8.00	-30	.70	-34.	10	-34.9	0	-35.70*
5	AUG78	25 .4HV	1A	111	-29.70	-33.60	-37.50	-3	6.90	-40	.10	-41.	60	-40.9	0	-41.20*
5	AUG78	264.75HH	1A	111	1.50	-2.25	-5.16	-1	7.65	-7	.94	-9.	67	-9.8	4	-12.00*
5	AUG78	274.75HV	1A	111	-5.38	-7.35	-12.38	-1	3.35	-14	.45	-17.	56	-16.8	0	-19.90*
5	AUG78	28 M	L	1A	111	0.91	0.70	.	1.66	5	.76	.	.	.	.	20.78*
5	AUG78	29HLHCVC	1A	111	.	277.5	280.6	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	1A	110	6.0	9.1	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	1A	111	5.8	7.2	10.8	21.3	1	2.6	22	.7	21.	1	.
5	AUG78	212 LN S	M	1A	111	5.8	7.2	10.8	21.3	1	2.6	22	.9	21.	1	.
5	AUG78	2130LDPH	X	1A	111	.	281.4	281.3	.	.	.	.	.	.	.	.
5	AUG78	214 PRT5	1A	111	19.7	.	2.313	1	.133	.	.	45.	84	41.3	8	.
5	AUG78	2113.3VV	1A	212	-0.90	-2.30	-5.50	-1	6.60	-5	.40	-9.	00	-9.9	0	-10.10*
5	AUG78	22 1.6HH	1A	212	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.

5	AUG78	24 .4HH	1A	212	-19.00	-22.46	-	24.60	-2	5.90	-27	.50	-33.	85	-33.2	0	-32.80*
5	AUG78	25 .4HV	1A	212	-26.70	-31.80	-	33.70	-3	4.20	-37	.10	-39.	40	-39.1	0	-38.80*
5	AUG78	264.75HH	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 H	L	1A	211	.	.	.	.	.	.	.	.	.	.	.	20.78*
5	AUG78	29HLHCVC	1A	212	278.7	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	1A	210	6.0	9.1	.	.	.	.	.	.	.9	21.	1	.
5	AUG78	211 LN S	M	1A	212	5.8	7.2	.	.	.	.	.	.	.9	21.	1	.
5	AUG78	212 LN S	M	1A	212	5.8	7.2	10.8	21.3	1	2.6	22	.9	21.	1	.	
5	AUG78	213OLDPH	X	1A	212	285.5	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRT5	1A	212	22.9	.	.	.	.	.	.	45.	84	41.3	8	.	
5	AUG78	3113.3VV	1A	111	-1.30	-2.60	-5.40	7.20	-6	.40	-9.	10	-9.7	0	-9.50*		
6	AUG78	32 1.6HH	1A	111	-12.20	-15.00	-15.60	5.50	-16	.90	-17.	85	-20.5	0	-19.70*		
6	AUG78	33 1.6HV	1A	111	-18.90	-23.60	-19.70	9.50	-19	.10	-20.	30	-20.8	0	-23.20*		
8	AUG78	34 .4HH	1A	111	-15.40	-21.23	-22.40	4.40	-25	.80	-32	40	-32.7	0	-33.00*		
8	AUG78	35 .4HV	1A	111	-26.90	-30.60	-34.50	7.50	-38	.50	-42.	10	-42.7	5	-41.51*		
8	AUG78	364.75HH	1A	110	10.60	7.00	4.40	2.0	1	.10	0.	20	-1.2	0	-2.50*		
8	AUG78	374.75HV	1A	110	13.60	11.10	7.20	5.50	4	.60	1.	90	2.0	0	-0.20*		
8	AUG78	38 H	L	1A	111	.	0.80	0.65	1.55	5	.70	.	.	.	.	.	20.70*
8	AUG78	39HLHCVC	1A	111	.	278.2	283.1	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	1A	110	5.5	7.8	.	.	.	.	.	.	.8	22.	0	.
8	AUG78	311 LN S	M	1A	111	5.8	7.4	11.2	20.3	1	2.4	22	.8	22.	0	.	
8	AUG78	312 LN S	M	1A	111	5.8	7.4	11.2	20.3	1	2.4	22	.8	22.	0	.	
8	AUG78	313OLDPH	X	1A	111	.	282.7	283.8	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRT5	1A	111	19.3	.	2.340	.	1	.138	.	45.	84	41.3	8	.	
8	AUG78	3113.3VV	1A	212	-0.70	-2.20	-5.00	6.40	-5	.30	-9.	00	-9.8	0	-10.70*		
8	AUG78	32 1.6HH	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33 1.6HV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34 .4HH	1A	212	-16.10	-21.60	-24.00	6.30	-28	.60	-32.	40	-32.2	0	-31.90*		
8	AUG78	35 .4HV	1A	212	-25.50	-32.30	-35.20	7.00	-39	.50	-41.	70	-40.0	0	-39.10*		
8	AUG78	364.75HH	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374.75HV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	20.70*
8	AUG78	38 H	L	1A	211	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	39HLHCVC	1A	212	274.7	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	1A	210	5.5	7.8	.	.	.	.	.	.	.3	24.	6	.
8	AUG78	311 LN S	M	1A	212	5.5	7.8	13.0	20.7	1	4.7	23	.3	24.	6	.	
8	AUG78	312 LN S	M	1A	212	5.5	7.8	13.0	20.7	1	4.7	23	.3	24.	6	.	
8	AUG78	313OLDPH	X	1A	212	282.0	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRT5	1A	212	20.1	.	.	.	.	.	.	45.	84	41.3	8	.	
11	AUG78	4113.3VV	1A	111	-1.70	-1.80	-4.40	6.90	-5	.20	-8.	70	-8.6	0	-9.10*		
11	AUG78	42 1.6HH	1A	111	-11.70	-14.80	-15.80	6.70	-17	.40	-19.	10	-19.7	0	-20.00*		
11	AUG78	43 1.6HV	1A	111	-19.60	-20.30	-20.80	0.70	-20	.50	-21.	20	-22.4	0	-23.80*		
11	AUG78	44 .4HH	1A	111	-17.90	-20.00	-22.70	3.20	-25	.00	-30.	40	-29.7	0	-31.30*		
11	AUG78	45 .4HV	1A	111	-28.00	-30.60	-32.60	2.30	-34	.60	-38.	10	-36.0	0	-36.20*		
11	AUG78	464.75HH	1A	110	13.40	9.70	7.20	5.20	4	.60	1.	90	1.7	0	0.70*		
11	AUG78	474.75HV	1A	110	11.30	7.70	5.10	3.80	3	.10	-1.	10	-0.8	0	-3.30*		
11	AUG78	48 H	L	1A	111	.	1.01	0.84	1.76	5	.90	.	.	.	.	.	33.71*
11	AUG78	49HLHCVC	1A	111	.	290.2	294.2	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	1A	110	4.9	7.1	.	.	.	.	.	.	.1	22.	9	.
11	AUG78	411 LN S	M	1A	111	4.9	7.1	11.7	18.5	1	4.8	22	.1	22.	9	.	
11	AUG78	412 LN S	M	1A	111	4.9	7.1	11.7	18.5	1	4.8	22	.1	22.	9	.	
11	AUG78	413OLDPH	X	1A	111	.	294.2	295.5	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRT5	1A	111	30.5	.	2.224	1	.118	.	.	45.	84	41.3	8	.	
11	AUG78	4113.3VV	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.5HH	1A	210	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV	1A	210
11	AUG78	44 .4HH	1A	210
11	AUG78	45 .4HV	1A	210
11	AUG78	464.75HH	1A	210

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17	AUG78	510FLD S	M	1A	210	24.5	24.5	0.0	15.8	1	2.0	20	0.3	20.7	*
17	AUG78	611 LN S	M	1A	212	24.5	24.5	8.6	15.8	1	2.0	20	0.3	20.7	*
17	AUG78	612 LN S	M	1A	212	24.5	24.5	8.6	15.8	1	2.0	20	0.3	20.7	*
17	AUG78	613OLDPM	X	1A	212	268.1	270.1	0.0	15.8	1	2.0	20	0.3	20.7	*
17	AUG78	614 PRTS	1A	212	28.4	28.4	0.0	45.0	64	41.3	8	0.0	0.0	0.0	*
2	AUG78	1113.3VV	1X	111	3.50	0.90	-2.30	4.50	-4	.50	-7.00	80	0.0	0.0	*
2	AUG78	12 1.6HH	1X	111	13.10	-1.70	-13.30	4.60	-6	.30	-8.50	0	0.0	0.0	*
2	AUG78	13 1.6HV	1X	111	-17.90	-16.90	19.30	7.40	-17	.30	-17.70	0	0.0	0.0	*
2	AUG78	14 .4HH	1X	111	-12.50	-16.90	16.30	7.10	-22	.20	-29.30	33	0.0	0.0	*
2	AUG78	15 .3HV	1X	111	-26.50	-32.80	34.20	8.40	-36	.40	-40.60	60	0.0	0.0	*
2	AUG78	164.75HV	1X	110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	174.75HV	1X	110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	18 M	R	1X	111	0.0	0.76	0.46	1.60	7	.31	0.0	0.0	23.08	*
2	AUG78	19HLHCVC	1X	111	0.0	275.2	280.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	110FLD S	M	1X	110	24.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	111 LN S	M	1X	111	25.0	23.7	28.4	32.3	3	0.0	32	0.1	32.1	*
2	AUG78	112 LN S	M	1X	111	25.0	23.7	28.4	32.3	3	0.0	32	0.1	32.1	*
2	AUG78	113OLDPM	S	1X	111	268.6	281.5	283.2	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	114 PRTS	1X	111	21.8	5.441	3.441	.175	49.06	41.0	5	0.0	0.0	0.0	*
2	AUG78	1113.3VV	1X	212	2.60	-0.30	-3.70	6.00	-5	.20	-9.80	80	-9.2	0	*
2	AUG78	12 1.6HH	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	13 1.6HV	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	14 .4HH	1X	212	-15.90	-22.10	18.12	7.50	-25	.00	-30.50	50	-28.4	0	*
2	AUG78	15 .4HV	1X	212	-26.80	-30.00	31.70	1.94	-34	.90	-39.60	60	-39.1	0	*
2	AUG78	164.75HV	1X	212	8.75	2.74	-0.31	2.99	-4	.76	-8.72	72	-8.6	0	*
2	AUG78	174.75HV	1X	212	-5.12	-7.84	13.17	4.07	-15	.18	-18.67	67	-17.6	4	*
2	AUG78	18 M	R	1X	211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.08	*
2	AUG78	19HLHCVC	1X	212	262.0	263.1	268.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	110FLD S	M	1X	210	24.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	111 LN S	M	1X	212	25.0	23.7	28.4	32.3	3	0.0	32	0.1	32.1	*
2	AUG78	112 LN S	M	1X	212	25.0	23.7	28.4	32.3	3	0.0	32	0.1	32.1	*
2	AUG78	113OLDPM	S	1X	212	268.6	270.1	270.1	0.0	0.0	0.0	0.0	0.0	0.0	*
2	AUG78	114 PRTS	1X	212	22.5	0.0	0.0	2.00	-0	.90	-6.40	-7.1	0	-7.80	*
5	AUG78	2113.3VV	1X	111	4.00	3.40	0.60	2.00	-0	.90	-6.40	-7.1	0	-7.80	*
5	AUG78	22 1.6HH	1X	111	-1.20	1.20	0.30	3.50	-5	.20	-5.60	-11.3	0	-12.90	*
5	AUG78	23 1.6HV	1X	111	-13.80	-13.20	-9.70	1.40	-11	.80	-12.40	-13.3	0	-15.60	*
5	AUG78	24 .4HH	1X	111	-16.40	-17.70	18.20	6.00	-22	.00	-27.30	-28.2	0	-34.70	*
5	AUG78	25 .4HV	1X	111	-21.50	-24.37	30.48	7.73	-36	.35	-41.73	-40.8	0	-34.35	*
5	AUG78	264.75HV	1X	111	-7.52	4.14	2.32	0.20	-1	.31	-5.51	-6.7	3	-9.40	*
5	AUG78	274.75HV	1X	111	-4.32	-6.01	-8.92	9.62	-11	.66	-14.23	-14.8	4	-18.30	*
5	AUG78	28 M	R	1X	111	0.0	0.83	0.50	1.66	7	.14	0.0	0.0	18.67	*
5	AUG78	29HLHCVC	1X	111	0.0	263.1	268.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	210FLD S	M	1X	110	24.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	211 LN S	M	1X	111	26.9	25.6	30.3	36.0	3	1.7	34	0.1	33.0	*
5	AUG78	212 LN S	M	1X	111	26.9	25.6	30.3	36.0	3	1.7	34	0.1	33.0	*
5	AUG78	213OLDPM	S	1X	111	268.1	270.1	270.1	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	214 PRTS	1X	111	17.6	3.302	3.302	.170	49.06	41.0	5	0.0	0.0	0.0	*
5	AUG78	2113.3VV	1X	212	4.70	3.10	-0.40	2.10	-0	.90	-6.90	-8.0	0	-8.40	*
5	AUG78	22 1.6HH	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	23 1.6HV	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	24 .4HH	1X	212	-16.20	-19.50	17.50	6.10	-20	.10	-26.40	-27.7	0	-24.40	*
5	AUG78	25 .4HV	1X	212	-25.40	-33.20	34.10	1.80	-35	.80	-37.50	-40.4	0	-37.70	*
5	AUG78	264.75HV	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	274.75HV	1X	210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	28 M	R	1X	211	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.67	*
5	AUG78	29HLHCVC	1X	212	253.3	263.1	268.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	210FLD S	M	1X	210	24.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
5	AUG78	211 LN S	M	1X	212	26.9	25.6	30.3	36.0	3	1.7	34	0.1	33.0	*
5	AUG78	212 LN S	M	1X	212	26.9	25.6	30.3	36.0	3	1.7	34	0.1	33.0	*

5	AUG78	2130LOPH	S	IX	212	252.4	49.	06	41.0	5	.	.	*
5	AUG78	214 PRT5	IX	212	18.8	.	.	.	.	.	.	.	90	41.0	0	-7.90*	*
5	AUG78	3113.3VV	IX	111	5.00	2.60	0.30	-1	1.60	10	.50	-6.	50	41.0	0	-7.90*	*	
8	AUG78	32 1.6HH	IX	111	9.60	-11.60	-15.40	-1	31.40	10	.90	-3.	10	41.0	0	-11.00*	*	
8	AUG78	33 1.6HV	IX	111	-15.00	-15.00	14.40	-1	31.40	12	.60	-12.	50	15.3	0	-16.00*	*	
8	AUG78	34 .4HH	IX	111	-13.50	-15.27	15.57	-1	31.32	16	.55	-27.	08	-25.9	5	-27.05*	*	
8	AUG78	35 .4HV	IX	111	-23.10	-24.50	30.31	-2	7.00	33	.30	-39.	18	-38.4	6	-36.50*	*	
8	AUG78	364.75HH	IX	110	12.90	11.70	10.20	.	9.50	1.	.10	.	70	1.2	0	-0.60*	*	
8	AUG78	374.75HV	IX	110	16.80	12.00	10.40	.	9.50	8	.20	.	20	3.9	0	1.10*	*	
8	AUG78	38 M	R	IX	111	.	0.70	0.40	1.45	6	.80	.	.	.	.	19.36*	*
8	AUG78	39HLHCVC	IX	111	.	261.4	264.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	IX	110	15.9	18.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	IX	111	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	312 LN S	M	IX	111	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	3130LOPH	S	IX	111	.	266.6	266.6	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5	IX	111	17.9	.	3.234	1	.179	.	.	49.	06	41.0	5	.	*	
8	AUG78	3113.3VV	IX	212	4.20	2.80	.	-1	2.10	-0	.10	-6.	80	-7.2	0	.	*	
8	AUG78	32 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH	IX	212	-9.20	-13.20	-16.00	-1	2.40	-14	.50	-25.	10	-24.4	0	-24.70*	*	
8	AUG78	35 .4HV	IX	212	-21.60	-26.50	-30.90	-2	6.20	-34	.60	-38.	40	-37.0	0	-35.40*	*	
8	AUG78	364.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	R	IX	211	.	.	.	.	.	.	.	.	.	.	19.36*	*
8	AUG78	39HLHCVC	IX	212	240.0	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	IX	210	15.9	18.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	IX	212	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	312 LN S	M	IX	212	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	3130LOPH	S	IX	212	244.1	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5	IX	212	18.8	.	.	.	.	.	.	49.	06	41.0	5	.	*
11	AUG78	4113.3VV	IX	111	1.00	0.50	-2.00	-1	4.80	-4	.00	-8.	50	-9.2	0	-8.30*	*	
11	AUG78	42 1.6HH	IX	111	-3.90	-0.40	-2.90	-1	6.60	-6	.70	-10.	90	-13.1	0	-16.30*	*	
11	AUG78	43 1.6HV	IX	111	-17.80	-18.50	15.60	-1	5.40	-15	.00	-16.	10	-17.4	0	-20.60*	*	
11	AUG78	44 .4HH	IX	111	-15.48	-16.66	16.60	-1	2.08	-18	.30	-25.	48	-23.9	5	-17.88*	*	
11	AUG78	45 .4HV	IX	111	-27.10	-27.50	27.80	-1	9.00	-31	.40	-33.	50	-31.5	0	-28.60*	*	
11	AUG78	464.75HH	IX	110	16.70	13.10	13.90	1	0.00	7	.90	3.	40	1.3	0	1.30*	*	
11	AUG78	474.75HV	IX	110	11.90	9.00	7.60	.	5.70	4	.50	1.	50	-1.0	0	-2.40*	*	
11	AUG78	48 M	R	IX	111	.	0.81	0.49	1.64	7	.47	.	.	.	.	28.39*	*
11	AUG78	49HLHCVC	IX	111	.	285.0	287.8	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	IX	110	11.0	13.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	IX	111	11.9	14.5	21.1	27.0	2	2.2	28	.5	29.	5	.	*	
11	AUG78	412 LN S	M	IX	111	11.9	14.5	21.1	27.0	2	2.2	28	.5	29.	5	.	*	
11	AUG78	4130LOPH	S	IX	111	.	289.7	289.5	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5	IX	111	26.4	.	3.493	1	.173	.	.	49.	06	41.0	5	.	*	
11	AUG78	4113.3VV	IX	212	1.00	0.80	-2.00	-1	4.40	-4	.10	-6.	70	-8.4	0	-8.60*	*	
11	AUG78	42 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH	IX	212	-15.80	-15.60	-15.20	-1	2.40	-16	.50	-24.	00	-25.1	0	-23.50*	*	
11	AUG78	45 .4HV	IX	212	-23.80	-28.00	-27.30	-1	8.20	-29	.80	-35.	50	-34.5	0	-33.10*	*	
11	AUG78	464.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	IX	211	.	.	.	.	.	.	.	.	.	.	28.39*	*
11	AUG78	49HLHCVC	IX	212	271.1	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	IX	210	11.0	13.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	IX	212	11.9	14.5	21.1	27.0	2	2.2	28	.5	29.	5	.	*	
11	AUG78	412 LN S	M	IX	212	11.9	14.5	21.1	27.0	2	2.2	28	.5	29.	5	.	*	
11	AUG78	4130LOPH	S	IX	212	276.5	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5	IX	212	26.3	49.	06	41.0	5	.	*	
14	AUG78	5113.3VV	IX	113	2.80	0.40	-2.60	-1	4.40	-4	.00	-8.	80	.	.	.	*	

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14	AUG78	52 1.6HH	1X	113	-4.60	-5.60	-5.60	-1	3.70	-10	.80	-17.40	40
14	AUG78	53 1.6HV	1X	113	-20.00	-20.00	-18.40	-1	9.70	-19	.50	-20.40	40
14	AUG78	54 .4HH	1X	113	-15.70	-15.70	-14.60	-1	3.40	-19	.15	-26.50	50	.	.	.	.	.	.	.
14	AUG78	55 .4HV	1X	113	-28.54	-30.12	-29.40	-1	8.00	-31	.22	-38.52	52	.	.	.	.	.	.	.
14	AUG78	564.75HH	1X	111	3.66	2.47	-11.87	-1	4.14	-15	.41	-9.29	29	.	.	.	.	.	.	.
14	AUG78	574.75HV	1X	111	-4.42	-7.56	-12.39	-1	2.58	-13	.95	-17.43	43	.	.	.	.	.	.	.
14	AUG78	58 N	R	1X	111	.	0.75	0.48	1.58	7	.57	.	.	.	.	.	.	.	26.00	.
14	AUG78	59HLHCVC		1X	113	.	286.5	291.2	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	1X	110	7.3	10.3	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	1X	111	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.	.
14	AUG78	512 LN S	M	1X	111	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.	.
14	AUG78	513CLDPH	S	1X	113	.	289.5	292.5	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRYS		1X	113	26.3	.	3.560	.	1	.175	.	49.	06	41.0	5	.	.	.	.
14	AUG78	5113.3VV		1X	212	7.90	.	-3.30	-1	4.90	-3	.40	-7.40	-8.8	0	-9.10*	.	.	.	.
14	AUG78	52 1.6HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		1X	212	-14.50	-19.40	-21.63	-1	9.60	-23	.90	-28.90	-27.4	0	-25.27*	.	.	.	.
14	AUG78	55 .4HV		1X	212	-26.40	-28.60	-32.70	-1	9.00	-32	.60	-38.70	-37.9	0	-32.30*	.	.	.	.
14	AUG78	564.75HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 N	R	1X	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26.02*
14	AUG78	59HLHCVC		1X	212	278.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	1X	210	7.3	10.3	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	1X	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.	.
14	AUG78	512 LN S	M	1X	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.	.
14	AUG78	513CLDPH	S	1X	212	287.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRYS		1X	212	25.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV		1X	111	0.90	0.30	-11.60	-1	3.30	-3	.50	-6.70	-8.2	0	-7.40*	.	.	.	.
17	AUG78	62 1.4HH		1X	111	-5.10	-3.50	-11.40	-1	6.20	-8	.90	-7.40	-12.0	0	-14.20*	.	.	.	.
17	AUG78	63 1.6HV		1X	111	-18.00	-18.40	-18.60	-1	8.10	-17	.90	-18.80	-20.3	0	-20.30*	.	.	.	.
17	AUG78	64 .4HH		1X	111	-17.53	-12.80	-19.20	-1	4.13	-19	.60	-29.64	-29.3	7	-22.85*	.	.	.	.
17	AUG78	65 .4HV		1X	111	-28.98	-30.70	-31.30	-2	1.90	-31	.80	-37.60	-34.0	0	-34.50*	.	.	.	.
17	AUG78	564.75HH		1X	111	6.39	2.68	-0.43	-1	1.98	-2	1.80	-6.46	-9.4	7	-11.38*	.	.	.	.
17	AUG78	674.75HV		1X	111	-5.80	-9.50	-12.30	-1	3.50	-14	.50	-17.80	-18.4	0	-20.70*	.	.	.	.
17	AUG78	68 N	R	1X	111	.	0.72	0.45	1.52	7	.10	.	.	.	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC		1X	111	.	284.0	288.5	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	1X	110	6.0	8.2	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	1X	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.	.
17	AUG78	612 LN S	M	1X	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.	.
17	AUG78	613CLDPH	S	1X	111	.	285.1	290.5	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRYS		1X	111	24.5	.	3.339	1	.175	.	49.	06	41.0	5	.	.	.	.	.
17	AUG78	6113.3VV		1X	212	0.40	.	-0.70	-1	1.60	-4	.00	-8.00	-8.6	0	-8.40*	.	.	.	.
17	AUG78	62 1.6HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH		1X	212	-16.00	-15.90	-16.60	-1	4.70	-22	.60	-26.50	-26.6	0	-21.80*	.	.	.	.
17	AUG78	65 .4HV		1X	212	-28.60	-30.00	-31.60	-1	9.60	-33	.50	-36.60	-34.7	0	-33.50*	.	.	.	.
17	AUG78	664.75HH		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV		1X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 N	R	1X	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC		1X	212	281.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	1X	210	6.0	8.2	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	1X	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.	.
17	AUG78	612 LN S	M	1X	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.	.
17	AUG78	613CLDPH	S	1X	212	288.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRYS		1X	212	25.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV		1X	121	1.40	.	-2.90	-1	5.50	-4	.20	-8.30	-8.3	0	.	.	.	.	.
2	AUG78	12 1.6HH		1X	121	-1.70	-0.50	-1.50	-1	6.40	-7	.20	-6.10	-11.8	0	.	.	.	.	.
2	AUG78	13 1.6HV		1X	121	-17.30	-17.50	-16.70	-1	7.70	-15	.60	-16.40	-18.4	0
2	AUG78	14 .4HH		1X	121	-15.30	-19.60	-18.10	-1	2.80	-19	.00	-30.80	-30.0	0

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14	AUG78	52 1.6HH	IX	113	-4.60	-5.60	-5.80	8.70	10	.70	-14.	40
14	AUG78	53 1.6HV	IX	113	-20.00	-20.10	-18.50	9.70	-19	.50	-20.	40
14	AUG78	54 .4HH	IX	113	-15.70	-15.70	14.60	5.40	-19	.10	-26.	50	.	.	.	.	.	.	.
14	AUG78	55 .4HV	IX	113	-28.54	-30.12	29.40	8.00	-31	.42	-38.	52	.	.	.	.	.	.	.
14	AUG78	564.75HH	IX	111	3.66	2.47	11.87	4.14	-5	.41	-8.	29	.	.	.	.	.	.	.
14	AUG78	574.75HV	IX	111	-4.42	-7.96	12.39	2.51	-13	.95	-17.	43	.	.	.	.	.	.	.
14	AUG78	58 N	R	IX	111	.	0.75	0.45	1.58	7	.57	.	.	.	.	.	.	.	26.02*
14	AUG78	59HLHCVC	IX	115	.	286.5	291.2	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	IX	110	7.3	10.3	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	IX	111	6.5	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.
14	AUG78	512 LN S	M	IX	111	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.
14	AUG78	513OLDPH	S	IX	113	.	289.8	292.5	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	IX	113	26.3	.	3.560	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	5113.3VV	IX	212	7.90	.	-3.30	4.90	-3	.40	-7.	40	-8.8	0	-9.10*	.	.	.	.
14	AUG78	52 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	IX	212	-14.50	-19.40	21.63	9.50	-23	.00	-28.	90	-27.4	0	-25.27*	.	.	.	.
14	AUG78	55 .4HV	IX	212	-26.40	-28.80	32.70	9.00	-32	.60	-38.	70	-37.9	0	-32.30*	.	.	.	.
14	AUG78	564.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 N	R	IX	211	.	.	.	.	.	.	.	.	.	.	.	.	.	26.02*
14	AUG78	59HLHCVC	IX	212	278.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	IX	210	7.3	10.3	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	IX	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.
14	AUG78	512 LN S	M	IX	212	6.9	10.2	16.9	22.6	1	8.0	25	.7	27.	9	.	.	.	.
14	AUG78	513OLDPH	S	IX	212	287.6	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	IX	212	25.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV	IX	111	0.90	0.30	-1.60	3.90	-3	.50	-6.	70	-8.2	0	-7.40*	.	.	.	.
17	AUG78	62 1.6HH	IX	111	-5.10	-3.50	-3.40	6.20	-8	.90	-7.	40	-12.0	0	-14.20*	.	.	.	.
17	AUG78	63 1.6HV	IX	111	-18.00	-18.40	18.60	8.10	-17	.90	-18.	80	-20.3	0	-20.30*	.	.	.	.
17	AUG78	64 .4HH	IX	111	-17.53	-18.80	19.20	4.12	-19	.60	-29.	64	-29.3	7	-22.85*	.	.	.	.
17	AUG78	65 .4HV	IX	111	-28.90	-30.70	31.30	1.90	-31	.80	-37.	60	-34.0	0	-34.50*	.	.	.	.
17	AUG78	664.75HH	IX	111	6.39	2.68	-0.43	1.98	-2	.80	-6.	46	-9.4	7	-11.38*	.	.	.	.
17	AUG78	674.75HV	IX	111	-5.80	-9.50	12.30	3.50	-14	.60	-17.	80	-18.4	0	-20.70*	.	.	.	.
17	AUG78	68 N	R	IX	111	.	0.72	0.45	1.52	7	.10	.	.	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC	IX	111	.	284.0	288.5	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	IX	110	6.0	8.2	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	IX	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.
17	AUG78	612 LN S	M	IX	111	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.
17	AUG78	613OLDPH	S	IX	111	.	289.1	290.5	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	IX	111	24.5	.	3.339	.	1	.175	.	49.	06	41.0	5	.	.	.	.
17	AUG78	6113.3VV	IX	212	0.40	.	-0.70	4.60	-4	.00	-8.	00	-8.6	0	-8.40*	.	.	.	.
17	AUG78	62 1.6HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	IX	212	-16.00	-16.90	16.50	4.70	-22	.60	-26.	50	-26.6	0	-21.80*	.	.	.	.
17	AUG78	65 .4HV	IX	212	-28.60	-30.00	31.60	9.60	-33	.50	-36.	60	-34.7	0	-33.50*	.	.	.	.
17	AUG78	664.75HH	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	IX	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 N	R	IX	211	.	.	.	.	.	.	.	.	.	.	.	.	.	25.64*
17	AUG78	69HLHCVC	IX	212	291.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	IX	210	6.0	8.2	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	IX	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.
17	AUG78	612 LN S	M	IX	212	5.6	8.0	12.9	19.2	1	6.1	22	.2	26.	2	.	.	.	.
17	AUG78	613OLDPH	S	IX	212	288.8	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	IX	212	25.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV	IX	121	1.40	.	-2.90	5.50	-4	.20	-8.	30	-8.3	0	.	.	.	.	.
2	AUG78	12 1.5HH	IX	121	-1.70	-0.60	-1.50	6.40	-7	.20	-6.	70	-11.8	0	.	.	.	.	.
2	AUG78	13 1.6HV	IX	121	-17.30	-17.50	16.70	7.70	-15	.60	-16.	40	-18.4	0
2	AUG78	14 .4HH	IX	121	-15.30	-19.60	18.10	2.80	-19	.00	-23.	80	-30.0	0

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8	AUG78	58 M	R	IX	121	.	0.90	0.55	2.05	12	0.0	20.50*	
8	AUG78	59HLHCVC		IX	121	*	
8	AUG78	510FLD S		IX	120	15.9	12.0	*	
8	AUG78	511 LN S		IX	121	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	512 LN S		IX	121	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	513OLDPH		IX	120	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	514 PRTS		IX	121	18.6	5.919	1	3.35	49.	06	41.0	5	.	.	.	*	
8	AUG78	5113.3VV		IX	121	5.30	4.0	0.10	3.50	42	.90	17.	20	19.8	0	-11.00*		
8	AUG78	52 1.6HH		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	53 1.6HV		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	54 .4HH		IX	222	-15.60	-16.40	-	12.60	-19	.50	-27.	94	-27.4	0	-17.40*		
8	AUG78	55 .4HV		IX	222	-29.20	-29.40	-	31.50	-2	9.60	-38	.50	-41.	00	-41.6	0	-32.00*
8	AUG78	564.75HH		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	574.75HV		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	58 M	R	IX	221	.	.	.	.	.	.	.	.	.	.	.	20.50*
8	AUG78	59HLHCVC		IX	222	249.7	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	510FLD S	M	IX	220	15.9	12.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	511 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	512 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	513OLDPH	T	IX	222	255.2	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	514 PRTS	T	IX	222	19.3	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	5113.3VV		IX	121	10.10	10.40	13.10	4.90	14	.70	49.	66	41.0	5	.	*	
11	AUG78	52 1.6HH		IX	121	15.50	12.60	13.70	7.00	-10	.70	-10.	30	-8.5	0	-8.90*		
11	AUG78	53 1.6HV		IX	121	19.60	19.80	19.00	8.20	-19	.10	-17.	80	-20.9	0	-21.90*		
11	AUG78	54 .4HH		IX	121	18.50	20.91	19.93	6.98	-20	.68	-30.	27	-29.5	4	-24.63*		
11	AUG78	55 .4HV		IX	121	31.16	34.48	34.68	1.98	-34	.46	-41.	39	-38.5	9	-32.49*		
11	AUG78	564.75HH		IX	123	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	574.75HV		IX	120	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	58 M	R	IX	121	.	0.86	0.53	1.73	7	.82	.	.	.	.	.	29.96*
11	AUG78	59HLHCVC		IX	121	.	289.4	296.4	.	.	.	.	.	.	.	.	*
11	AUG78	510FLD S	M	IX	120	11.0	13.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	511 LN S	M	IX	121	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	.	*	
11	AUG78	512 LN S	M	IX	121	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	.	*	
11	AUG78	513OLDPH	T	IX	121	284.8	293.0	296.5	.	.	.	.	.	.	.	.	*
11	AUG78	514 PRTS	T	IX	121	28.1	3.637	1	.172	49.	06	41.0	5	.	.	.	*	
11	AUG78	5113.3VV		IX	222	0.20	-0.40	-2.50	5.20	-4	.00	-7.	00	-8.4	0	-8.70*		
11	AUG78	52 1.6HH		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	53 1.6HV		IX	220	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	54 .4HH		IX	222	-15.62	-16.53	-	17.80	-	0.47	-16	.80	-29.	10	-29.5	0	-19.60*
11	AUG78	55 .4HV		IX	222	-29.20	-31.00	-	30.10	-1	5.94	-30	.10	-42.	60	-37.0	0	-27.30*
11	AUG78	564.75HH		IX	222	5.25	1.75	-1.65	4.33	-5	.70	-9.	53	-11.2	3	-11.58*		
11	AUG78	574.75HV		IX	222	-4.68	-8.91	-	12.67	-1	4.11	-14	.85	-17.	87	-19.7	4	-19.63*
11	AUG78	58 M	R	IX	221	.	.	.	.	.	.	.	.	.	.	.	29.96*
11	AUG78	59HLHCVC		IX	222	280.3	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	510FLD S	M	IX	220	11.0	13.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	511 LN S	M	IX	222	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	.	*	
11	AUG78	512 LN S	M	IX	222	10.0	12.9	19.0	27.1	2	0.3	26	.8	25.	9	.	*	
11	AUG78	513OLDPH	T	IX	222	284.8	293.0	296.5	.	.	.	.	.	.	.	.	*
11	AUG78	514 PRTS	T	IX	222	28.1	3.637	1	.172	49.	06	41.0	5	.	.	.	*	
14	AUG78	5113.3VV		IX	123	1.40	-0.40	-3.50	3.70	-4	.00	49.	06	41.0	5	.	*	
14	AUG78	52 1.6HH		IX	123	-5.80	-3.70	-0.90	7.20	-9	.80	-9.	60	-11.6	0	-18.10*		
14	AUG78	53 1.6HV		IX	123	-19.20	-17.60	14.90	7.40	-18	.50	-18.	50	-22.2	0	-22.60*		
14	AUG78	54 .4HH		IX	123	-15.59	-18.53	18.13	4.30	-20	.58	-30.	94	-30.1	7	-24.23*		
14	AUG78	55 .4HV		IX	123	-29.66	-31.54	-	32.99	-2	3.30	-35	.30	-41.	31	-39.7	9	-34.18*
14	AUG78	564.75HH		IX	120	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		IX	120	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	R	IX	121	.	0.86	0.56	2.02	0	.75	27.23*	
14	AUG78	59HLHCVC		IX	123	.	288.3	292.8	*	
14	AUG78	510FLD S	M	IX	120	7.3	10.3	*	

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14	AUG78	511 LN S	M	IX	121	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*	
14	AUG78	512 LN S	M	IX	121	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*	
14	AUG78	513OLDPM	T	IX	123		253.3	294.0								*	
14	AUG78	514 PRTS	X	IX	123	27.5		4.108		1	.175		49.	06	41.0	5	*
14	AUG78	5113.3VV	IX	IX	222	1.40	0.10	-3.20	-	4.50	-3	.70	-2.	30	-9.5	0	-2.30*
14	AUG78	52 1.6HH	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	IX	IX	222	-20.50	-22.30	16.00	-	6.10	-23	.40	-33.	20	-31.4	0	-25.20*
14	AUG78	55 .4HV	IX	IX	222	-31.20	-32.20	29.76	-1	8.70	-33	.90	-45.	00	-38.9	0	-31.40*
14	AUG78	564.75HH	IX	IX	222	5.62	2.28	-1.10	-1	4.37	-5	.94	-10.	19	-10.7	2	-11.92*
14	AUG78	574.75HV	IX	IX	222	-4.91	-2.29	15.57	-1	6.97	-18	.07	-21.	50	-21.1	0	-23.53*
14	AUG78	58 H	R	IX	221	.	.	.	.	.	.	.	.	.	.	.	27.23*
14	AUG78	59HLHCVC	IX	IX	220	279.3	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	IX	220	7.3	10.3									*	
14	AUG78	511 LN S	M	IX	222	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*	
14	AUG78	512 LN S	M	IX	222	7.7	10.5	16.3	23.3	1	7.6	25	.2	24.	6	*	
14	AUG78	513OLDPM	T	IX	222	286.1	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	IX	IX	222	26.6							49.	06	41.0	5	*
17	AUG78	6113.3VV	IX	IX	121	3.20	3.00	1.20	-	2.40	-1	.50	-5.	70	-8.3	0	-7.70*
17	AUG78	62 1.6HH	IX	IX	121	4.40	5.30	2.50	-	0.50	-2	.50	-3.	30	-7.0	0	-10.20*
17	AUG78	63 1.6HV	IX	IX	121	-16.20	-12.90	14.60	-1	5.50	-16	.60	-17.	90	-18.1	0	-20.00*
17	AUG78	64 .4HH	IX	IX	121	-15.00	-18.20	15.70	-	1.60	-20	.00	-29.	50	-26.6	0	-21.80*
17	AUG78	65 .4HV	IX	IX	121	-30.55	-30.58	32.18	-1	8.11	-33	.92	-41.	75	-38.3	1	-36.60*
17	AUG78	664.75HH	IX	IX	121	10.89	6.58	3.67	-	1.90	-0	.49	-6.	62	-9.6	0	-11.36*
17	AUG78	674.75HV	IX	IX	121	-3.24	-2.38	11.18	-1	3.55	-14	.55	-18.	25	-19.0	3	-20.87*
17	AUG78	68 H	R	IX	121	.	0.25	0.53		1.74	7	.73	.	.	.	.	26.74*
17	AUG78	69HLHCVC	IX	IX	121	.	282.6	287.0								.	*
17	AUG78	610FLD S	M	IX	120	6.0	8.2									.	*
17	AUG78	611 LN S	M	IX	121	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	612 LN S	M	IX	121	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	613OLDPM	T	IX	121	.	281.2	283.9								.	*
17	AUG78	614 PRTS	IX	IX	121	25.2		3.582	1	.171			49.	06	41.0	5	*
17	AUG78	6113.3VV	IX	IX	222	2.30	2.30	1.00	-	2.00	-1	.30	-6.	80	-7.6	0	-8.10*
17	AUG78	62 1.6HH	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	IX	IX	222	-15.40	-16.20	15.40	-	1.40	-17	.60	-27.	90	-28.9	0	-18.40*
17	AUG78	65 .4HV	IX	IX	222	-30.30	-32.80	34.20	-1	9.90	-30	.20	-41.	30	-40.5	0	-34.00*
17	AUG78	664.75HH	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	IX	IX	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 H	R	IX	221	.	.	.	.	.	.	.	.	.	.	.	26.74*
17	AUG78	69HLHCVC	IX	IX	222	269.2	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	IX	220	6.0	8.2									.	*
17	AUG78	611 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	612 LN S	M	IX	222	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	613OLDPM	T	IX	222	274.9	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	IX	IX	222	27.5							49.	06	41.0	5	*
2	AUG78	1113.3VV	IX	IX	131	0.80	-1.20	-4.60	-	6.50	-5	.70	-9.	00	-9.5	0	-10.10*
2	AUG78	12 1.6HH	IX	IX	131	-9.50	-11.50	11.60	-1	2.30	-11	.80	-13.	60	-15.8	0	-16.20*
2	AUG78	13 1.6HV	IX	IX	131	-18.70	-18.70	17.90	-1	0.10	-15	.50	-17.	20	-19.1	0	-19.10*
2	AUG78	14 .4HH	IX	IX	131	-15.27	-13.83	22.60	-2	6.60	-28	.70	-32.	10	-31.2	0	-32.60*
2	AUG78	15 .4HV	IX	IX	131	-24.40	-30.80	33.20	-3	3.40	-33	.60	-34.	60	-34.1	0	-35.40*
2	AUG78	164.75HH	IX	IX	130	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	IX	IX	130	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 H	L	IX	131	.	.	.	.	.	.	.	.	.	.	.	23.08*
2	AUG78	19HLHCVC	IX	IX	131	.	277.0	280.7								.	*
2	AUG78	110FLD S	M	IX	130	24.9	24.9									.	*
2	AUG78	111 LN S	M	IX	131	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2	*	
2	AUG78	112 LN S	M	IX	131	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2	*	
2	AUG78	113OLDPM	Z	IX	131	.	280.5	280.9								.	*

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2	AUG78	114 PRT5	IX	131	21.6						49.	06	41.0	5			
2	AUG78	1113.3VV	IX	232	0.50	-1.80	-5.20	-	5.60	-5.	.00	-8.	60	-8.9	0	-11.90*	
2	AUG78	12 1.6HH	IX	230													
2	AUG78	13 1.6HV	IX	230													
2	AUG78	14 .4HH	IX	232	-14.10	-21.58	-	20.70	-2	5.30	-29	.00	-33.	50	-33.4	0	-30.20*
2	AUG78	15 .4HV	IX	232	-29.00	-31.40	-	30.90	-3	1.40	-30	.40	-32.	10	-34.1	0	-32.90*
2	AUG78	164.75HH	IX	232	3.46	0.28	-2.90	-	4.56	-5	.28	-7.	21	-7.7	4	-9.04*	
2	AUG78	174.75HV	IX	232	-4.22	-8.05	-	11.45	-1	0.47	-13	.73	-15.	70	-14.6	6	-17.60*
2	AUG78	18 M	L	IX	231											23.08*	
2	AUG78	19HLHCVC	IX	232	264.2												
2	AUG78	110FLD S	M	IX	230	24.9	24.9										
2	AUG78	111 LN S	M	IX	232	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2		
2	AUG78	112 LN S	M	IX	232	24.9	24.9	29.4	32.8	3	1.3	33	.0	32.	2		
2	AUG78	113OLDPH	Z	IX	232	268.1											
2	AUG78	114 PRT5	IX	232	22.3												
5	AUG78	2113.3VV	IX	131	1.70	1.30	-1.50	-	4.50	-3	.90	-6.	90	-8.1	0	-8.50*	
5	AUG78	22 1.6HH	IX	131	-8.80	-10.80	-	11.50	-1	0.90	-11	.60	-13.	50	-15.2	0	-17.10*
5	AUG78	23 1.6HV	IX	131	-15.90	-15.70	-	14.90	-1	3.50	-14	.00	-15.	50	-16.9	0	-19.40*
5	AUG78	24 .4HH	IX	131	-19.12	-24.13	-	26.07	-2	5.12	-30	.94	-34.	72	-34.3	7	-33.32*
5	AUG78	25 .4HV	IX	131	-26.40	-31.90	-	33.20	-3	2.90	-33	.30	-37.	10	-35.7	0	-35.30*
5	AUG78	264.75HH	IX	131	5.30	-0.09	-3.49	-	5.93	-5	.93	-8.	04	-10.0	6	-10.23*	
5	AUG78	274.75HV	IX	131	-5.70	-7.63	-	11.23	-1	2.69	-13	.11	-16.	09	-17.4	0	-18.29*
5	AUG78	28 M	L	IX	131											18.67*	
5	AUG78	29HLHCVC	IX	131		265.3	272.8										
5	AUG78	210FLD S	M	IX	130	24.0	24.5										
5	AUG78	211 LN S	M	IX	131	24.0	24.5	28.9	34.7	2	9.9	33	.4	31.	8		
5	AUG78	212 LN S	M	IX	131	24.0	24.5	28.9	34.7	2	9.9	33	.4	31.	8		
5	AUG78	213OLDPH	Z	IX	131	274.1	273.7	273.7									
5	AUG78	214 PRT5	IX	131	18.2												
5	AUG78	2113.3VV	IX	232	-0.10	-0.60	-2.50	-	5.30	-4	.50	-9.	00	-8.3	0	-9.60*	
5	AUG78	22 1.6HH	IX	230													
5	AUG78	23 1.6HV	IX	230													
5	AUG78	24 .4HH	IX	232	-13.40	-23.10	-	21.60	-2	3.40	-27	.30	-34.	20	-33.8	0	-32.70*
5	AUG78	25 .4HV	IX	232	-30.50	-32.70	-	34.00	-3	4.00	-33	.60	-35.	30	-35.0	0	-35.90*
5	AUG78	264.75HH	IX	230													
5	AUG78	274.75HV	IX	230													
5	AUG78	29 M	L	IX	231											18.67*	
5	AUG78	29HLHCVC	IX	232	266.5												
5	AUG78	210FLD S	M	IX	230	24.0	24.5										
5	AUG78	211 LN S	M	IX	232	24.0	24.5	28.9	34.7	2	9.9	33	.4	31.	8		
5	AUG78	212 LN S	M	IX	232	24.0	24.5	28.9	34.7	2	9.9	33	.4	31.	8		
5	AUG78	213OLDPH	Z	IX	232	274.1											
5	AUG78	214 PRT5	IX	232	19.9												
8	AUG78	3113.3VV	IX	131	2.00	0.10	-2.90	-	5.00	-4	.30	-7.	90	-8.8	0	-8.90*	
8	AUG78	32 1.6HH	IX	131	-10.30	-11.70	-	11.60	-1	0.20	-11	.50	-14.	30	-15.3	0	-17.20*
8	AUG78	33 1.6HV	IX	131	-17.70	-17.00	-	15.80	-1	4.00	-14	.90	-15.	00	-17.6	0	-19.10*
8	AUG78	34 .4HH	IX	131	-17.21	-18.70	-	24.25	-2	5.40	-28	.40	-34.	60	-32.7	0	-32.00*
8	AUG78	35 .4HV	IX	131	-28.30	-30.60	-	36.70	-3	1.10	-33	.50	-36.	00	-35.4	0	-37.20*
8	AUG78	364.75HH	IX	130	14.20	8.70	5.10		2.60	2	.70	0.	50	-1.1	0	-2.10*	
8	AUG78	374.75HV	IX	130	12.40	8.50	6.90		5.30	5	.00	0.	80	0.3	0	-1.50*	
8	AUG78	38 M	L	IX	131											15.36*	
8	AUG78	39HLHCVC	IX	131		265.1	266.6										
8	AUG78	310FLD S	M	IX	130	15.9	18.0										
8	AUG78	311 LN S	M	IX	131												
8	AUG78	312 LN S	M	IX	131												
8	AUG78	313OLDPH	Z	IX	131		270.3	268.5									
8	AUG78	314 PRT5	IX	131	18.0												
8	AUG78	3113.3VV	IX	232	0.50	0.10	-2.60	-	5.20	-4	.90	-7.	60	-8.0	0	-9.00*	

8	AUG78	33 1.5HV	1X	230
8	AUG78	34 .4HH	1X	232	-15.60	-19.40	-	22.20	-2	4.70	-20	.70	-34.	49	-33.5	0	-32.30	*	.	.	.	.	.
8	AUG78	35 .4HV	3X	232	-28.50	-29.70	-	30.50	-3	2.70	-35	.20	-38.	80	-37.0	0	-37.00	*	.	.	.	.	.
8	AUG78	364.75HH	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374.75HV	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38 M	L	1X	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	39HLHCVC	1X	232	243.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	410FLD S	M	1X	230	15.5	18.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	411 LN S	M	1X	232	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	412 LN S	M	1X	232	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	4130LDPH	Z	1X	232	256.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	414 PRTS	Z	1X	232	18.9	.	.	.	.	.	.	.	49.	06	41.0	5	.	.	.	.	.	.
11	AUG78	4113.3VV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	L	1X	131	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	49HLHCVC	1X	131	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	1X	130	11.0	13.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	1X	131	11.0	13.7	20.1		27.1	2	1.2	27	.7	27.	7	.	.	.	.	.	.	.
11	AUG78	412 LN S	M	1X	131	11.0	13.7	20.1		27.1	2	1.2	27	.7	27.	7	.	.	.	.	.	.	.
11	AUG78	4130LDPH	Z	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRTS	Z	1X	131	27.2	.	.	.	.	.	.	.	49.	05	41.0	5	.	.	.	.	.	.
11	AUG78	4113.3VV	1X	232	0.10	-1.20	-3.20	-	6.20	-5	.10	-2.	10	-8.4	0	-7.90	*	.	.	.	.	.	.
11	AUG78	42 1.6HH	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH	1X	232	-11.90	-17.20	-	18.70	-1	9.50	-22	.10	-30.	00	-29.5	0	-30.30	*	.	.	.	.	.
11	AUG78	45 .4HV	1X	232	-27.30	-28.50	-	30.90	-2	8.20	-29	.10	-33.	10	-31.5	0	-32.40	*	.	.	.	.	.
11	AUG78	464.75HH	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	L	1X	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	49HLHCVC	1X	232	280.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	1X	230	11.0	13.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	1X	232	11.0	13.7	20.1		27.1	2	1.2	27	.7	27.	7	.	.	.	.	.	.	.
11	AUG78	412 LN S	M	1X	232	11.0	13.7	20.1		27.1	2	1.2	27	.7	27.	7	.	.	.	.	.	.	.
11	AUG78	4130LDPH	Z	1X	232	287.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRTS	Z	1X	232	27.4	.	.	.	.	.	.	.	49.	06	41.0	5	.	.	.	.	.	.
14	AUG78	5113.3VV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	52 1.6HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	55 .4HV	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	564.75H	1X	131	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	1X	131	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	L	1X	131	.	3.51	0.32		0.52	4	.30	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	59HLHCVC	1X	133	.	287.4	291.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	1X	130	7.3	10.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	1X	131	7.3	10.3	16.9		23.0	1	7.8	25	.5	26.	2	.	.	.	.	.	.	.
14	AUG78	512 LN S	M	1X	131	7.3	10.3	16.9		23.0	1	7.8	25	.5	26.	2	.	.	.	.	.	.	.
14	AUG78	5130LDPH	Z	1X	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	Z	1X	133	26.1	.	1.966	1	.167	.	.	49.	06	41.0	5	.	.	.	.	.	.	.
14	AUG78	5113.3VV	1X	232	0.40	-0.90	-3.00	-	5.60	-3	.20	-7.	90	-8.3	0	-7.50	*	.	.	.	.	.	.
14	AUG78	52 1.6HH	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	1X	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	1X	232	-14.80	-16.60	-	20.00	-2	1.20	-21	.70	-26.	40	-31.4	0	-29.90	*	
14	AUG78	55 .4HV	1X	232	-27.90	-29.80	-	29.80	-2	9.30	-30	.60	-33.	10	-33.0	0	-31.50	*	

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2	AUG78	19HLHCVC		10	222	277.4
2	AUG78	110FLD S	M	10	220	2.2	2.7
2	AUG78	111 LN S	M	10	222	2.2	2.7	5.3	14.4	9.6	21	.3	19.	3	
2	AUG78	112 LN S	M	10	223	2.2	2.7	6.3	14.4	9.6	21	.3	19.	3	.	.	.	.
2	AUG78	113OLDPM	B	10	222	282.9	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS	B	10	222	29.5	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV		10	121	7.90	3.70	-2.00	6.40	-6	.30	-12.	05	43.3	4	.	.	.	
5	AUG78	22 1.6HH		10	121	-1.70	-7.10	-9.30	1.60	-14	.70	-20.	40	-13.9	0	-14.60*	.	.	
5	AUG78	23 1.6HV		10	121	-17.60	-19.60	19.60	0.00	-22	.30	-24.	80	-25.9	0	-26.90*	.	.	
5	AUG78	24 .4HH		10	121	-12.23	-13.38	17.90	5.00	-25	.44	-30.	80	-32.4	0	-32.20*	.	.	
5	AUG78	25 .4HV		10	121	-24.70	-25.10	31.30	4.10	-39	.20	-46.	70	-48.2	0	-47.30*	.	.	
5	AUG78	264.75HH		10	121	8.99	4.16	-0.27	5.24	-7	.48	-11.	52	-12.5	5	-14.86*	.	.	
5	AUG78	274.75HV		10	121	-3.94	-7.55	15.47	7.83	-20	.95	-23.	93	-24.3	0	-27.94*	.	.	
5	AUG78	28 M	B	10	121	.	1.73	2.00	2.19	4	.70	.	.	.	.	.	20.69*	.
5	AUG78	29HLHCVC		10	121	.	242.5	242.3	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	10	120	10.2	11.4	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	10	121	10.2	11.4	10.6	15.6	1	3.2	20	.5	19.	0	.	.	.	
5	AUG78	212 LN S	M	10	121	10.2	11.4	10.6	15.6	1	3.2	20	.5	19.	0	.	.	.	
5	AUG78	213OLDPM	B	10	121	.	249.5	250.9	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	B	10	121	19.3	.	0.201	0	.950	.	41.	05	43.3	4	.	.	.	
5	AUG78	2113.3VV		10	222	7.40	3.40	-2.10	6.70	-7	.90	-12.	40	-13.9	0	-15.50*	.	.	
5	AUG78	22 1.6HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH		10	222	-11.10	-12.00	16.10	3.63	-24	.00	-33.	50	-33.9	0	-33.50*	.	.	
5	AUG78	25 .4HV		10	222	-24.60	-23.60	29.00	3.00	-37	.00	-47.	20	-45.0	0	-46.30*	.	.	
5	AUG78	264.75HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	B	10	221	.	.	.	.	.	.	.	.	.	.	.	20.69*	.
5	AUG78	29HLHCVC		10	222	240.7	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	10	220	10.2	11.4	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	10	222	10.2	11.4	10.6	15.6	1	3.2	20	.5	19.	0	.	.	.	
5	AUG78	212 LN S	M	10	222	10.2	11.4	10.6	15.6	1	3.2	20	.5	19.	0	.	.	.	
5	AUG78	213OLDPM	B	10	222	244.8	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	B	10	222	21.5	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	3113.3VV		10	121	9.80	6.20	0.10	4.90	-5	.00	-9.	30	-11.3	0	-11.20*	.	.	
8	AUG78	32 1.6HH		10	121	0.10	-4.00	-3.80	0.50	-14	.00	-18.	30	-22.1	0	-22.30*	.	.	
8	AUG78	33 1.6HV		10	121	-17.10	-15.20	21.60	1.50	-22	.30	-25.	70	-25.9	0	-27.00*	.	.	
8	AUG78	34 .4HH		10	121	-12.60	-12.30	17.40	9.20	-23	.50	-32.	30	-32.8	0	-32.90*	.	.	
8	AUG78	35 .4HV		10	121	-21.50	-25.10	32.20	7.60	-44	.50	-52.	30	-50.0	0	-48.80*	.	.	
8	AUG78	364.75HH		10	121	12.55	6.21	0.37	4.56	-6	.76	-11.	44	-13.2	4	-15.21*	.	.	
8	AUG78	374.75HV		10	121	-3.64	-8.54	14.19	6.51	-18	.08	-22.	17	-23.5	4	-26.65*	.	.	
8	AUG78	38 M	B	10	121	.	1.85	2.15	2.50	5	.60	.	.	.	.	.	20.37*	.
8	AUG78	39HLHCVC		10	121	.	217.9	222.2	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	10	120	16.0	8.4	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S	M	10	121	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	312 LN S	M	10	121	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	313OLDPM	B	10	121	.	225.7	226.2	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRTS	B	10	121	18.9	.	0.515	0	.972	.	41.	05	43.3	4	.	.	.	
8	AUG78	3113.3VV		10	222	9.80	6.10	0.10	4.20	-4	.70	-9.	90	-11.7	0	-11.40*	.	.	
8	AUG78	32 1.6HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33 1.6HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34 .4HH		10	222	-9.90	-12.10	17.00	8.10	-24	.10	-30.	50	-30.7	0	-31.60*	.	.	
8	AUG78	35 .4HV		10	222	-22.10	-25.50	33.70	7.30	-45	.10	-49.	90	-50.3	0	-49.60*	.	.	
8	AUG78	364.75HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374.75HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38 M	B	10	221	.	.	.	.	.	.	.	.	.	.	.	20.37*	.
8	AUG78	39HLHCVC		10	222	209.3	
8	AUG78	310FLD S	M	10	220	16.0	8.4	
8	AUG78	311 LN S	M	10	222	

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8	AUG78	312 LN S	M	10	222
8	AUG78	3130LDPH	B	10	222	211.1
8	AUG78	314 PRYS		10	222	19.5
11	AUG78	4113.3VV		10	121	3.50	-10.20	-15.30	9.80	-19	.80	-14.	05	43.3	4	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		10	121	-7.00	-11.30	14.13	6.20	-19	.10	-21.	70	-24.4	0	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		10	121	-20.30	-22.20	25.50	5.90	-28	.10	-30.	40	-31.0	0	.	.	.	.	.	.	.
11	AUG78	44 .4HH		10	121	-12.78	-12.86	15.20	8.04	-21	.50	-28.	30	-29.0	0	.	.	.	.	.	.	.
11	AUG78	45 .4HV		10	121	-22.80	-24.90	30.10	2.80	-35	.60	-46.	60	-44.3	0	.	.	.	.	.	.	.
11	AUG78	464.75HH		10	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		10	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 H	B	10	121	.	2.58	2.51	2.76	5	.75	.	.	.	.	.	.	.	.	.	.	38.04
11	AUG78	49HLHCVC		10	121	.	281.9	287.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	10	120	5.7	8.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	10	121	5.7	8.1	12.2	16.7	1	2.1	20	.7	18.	8	.	.	.	.	.	.
11	AUG78	412 LN S	M	10	121	5.7	8.1	12.2	16.7	1	2.1	20	.7	18.	8	.	.	.	.	.	.
11	AUG78	4130LDPH	B	10	121	.	286.1	286.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		10	121	35.2	0.054	0.936	0.936	-9	.	41.	05	43.3	4	.	.	.	.	.	.	.
11	AUG78	4113.3VV		10	222	4.80	0.50	-4.80	9.20	-9	.20	-12.	80	-15.3	0	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		10	222	-10.00	-12.40	-17.50	7.40	-22	.50	-26.	70	-31.3	0	.	.	.	.	.	.	.
11	AUG78	45 .4HV		10	222	-20.40	-23.90	30.30	3.60	-38	.70	-46.	60	-45.5	0	.	.	.	.	.	.	.
11	AUG78	464.75HH		10	222	8.19	2.81	-3.91	7.76	-10	.73	-15.	39	-17.4	0	.	.	.	.	.	.	.
11	AUG78	474.75HV		10	222	-5.50	-9.68	17.51	1.09	-23	.94	-28.	24	-29.4	4	.	.	.	.	.	.	38.04
11	AUG78	48 H	B	10	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	49HLHCVC		10	222	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	10	220	5.7	8.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	10	222	5.7	8.5	11.7	18.1	1	2.9	20	.9	19.	8	.	.	.	.	.	.
11	AUG78	412 LN S	M	10	222	5.7	8.5	11.7	18.1	1	2.9	20	.9	19.	8	.	.	.	.	.	.
11	AUG78	4130LDPH	B	10	222	290.9	286.1	286.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRYS		10	222	37.4	0.063	0.926	0.926	-8	.30	41.	05	43.3	4	.	.	.	.	.	.	.
14	AUG78	5113.3VV		10	123	7.10	1.60	-4.70	8.40	-7	.80	-13.	40	-15.0	0	.	.	.	.	.	.	15.00
14	AUG78	52 1.6HH		10	123	-2.80	-2.90	12.60	4.80	-16	.50	-21.	60	-23.5	0	.	.	.	.	.	.	26.10
14	AUG78	53 1.6HV		10	123	-18.30	-21.70	23.40	4.00	-26	.80	-29.	80	-30.9	0	.	.	.	.	.	.	32.10
14	AUG78	54 .4HH		10	123	-12.28	-13.60	15.99	8.10	-23	.16	-29.	90	-31.7	0	.	.	.	.	.	.	34.16
14	AUG78	55 .4HV		10	123	-20.70	-22.20	30.30	3.00	-38	.30	-46.	60	-46.3	0	.	.	.	.	.	.	44.50
14	AUG78	564.75HH		10	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		10	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 H	B	10	121	.	2.00	2.27	2.08	4	.80	.	.	.	.	.	.	.	.	.	.	28.93
14	AUG78	59HLHCVC		10	123	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	10	120	3.9	5.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	10	121	3.9	5.9	12.4	19.0	1	1.4	20	.7	18.	8	.	.	.	.	.	.
14	AUG78	512 LN S	M	10	121	3.9	5.9	12.4	19.0	1	1.4	20	.7	18.	8	.	.	.	.	.	.
14	AUG78	5130LDPH	B	10	123	.	283.5	286.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRYS		10	123	31.8	0.063	0.926	0.926	-8	.30	41.	05	43.3	4	.	.	.	.	.	.	.
14	AUG78	5113.3VV		10	222	6.80	1.60	-3.80	8.80	-8	.30	-14.	00	.	.	.	.	.	.	.	.	.
14	AUG78	52 1.6HH		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		10	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		10	222	-11.20	-10.80	14.30	6.30	-21	.70	-27.	60	.	.	.	.	.	.	.	.	.
14	AUG78	55 .4HV		10	222	-21.30	-22.60	28.50	2.40	-36	.60	-44.	60	.	.	.	.	.	.	.	.	.
14	AUG78	564.75HH		10	222	8.53	2.55	-3.09	7.77	-10	.30	-15.	01	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		10	222	-3.35	-9.82	18.58	0.89	-23	.81	-28.	25	.	.	.	.	.	.	.	.	28.93
14	AUG78	58 H	B	10	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	59HLHCVC		10	222	256.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	10	220	3.9	5.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	10	222	3.9	5.9	12.4	19.	1	1.4	0	.7	18.	8	.	.	.	.	.	.
14	AUG78	512 LN S	M	10	222	3.9	5.9	12.4	19.0	1	1.4	20	.7	18.	8	.	.	.	.	.	.
14	AUG78	5130LDPH	B	10	222	275.4
14	AUG78	514 PRYS		10	222	28.4
14	AUG78	514 PRYS		10	222

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17	AUG78	6113.3VV	10	121	5.40	1.50	-3.30	-	8.30	-8	.70	-12.	20	-14.6	0	-13.60*
17	AUG78	62 1.6HH	10	121	-3.10	-8.20	11.70	-1	3.80	-16	.30	-20.	30	-20.8	0	-24.60*
17	AUG78	63 1.6HV	10	121	-16.30	-21.50	24.70	-2	4.50	-27	.20	-29.	80	-30.9	0	-31.20*
17	AUG78	64 .4HH	10	121	-11.60	-12.24	15.40	-1	6.80	-19	.13	-27.	26	-28.5	0	-31.10*
17	AUG78	65 .4HV	10	121	-22.90	-24.70	32.00	-3	3.40	-39	.30	-50.	40	-46.0	0	-46.30*
17	AUG78	664.75HH	10	121	9.39	2.72	-3.40	-	7.65	-10	.66	-16.	24	-18.4	6	-19.59*
17	AUG78	674.75HV	10	121	-4.06	-15.41	16.42	-2	2.74	-23	.66	-28.	41	-29.3	5	-31.52*
17	AUG78	68 H	B	10	121	.	2.24	2.59	2.74	5	.73	.	.	.	.	31.34*
17	AUG78	69HLHCVC		10	121	.	278.6	284.4	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	10	120	3.4	5.1	12.9	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	611 LN S	M	10	121	3.4	5.9	12.8	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	612 LN S	M	10	121	3.4	5.9	12.8	19.9	1	0.7	21	.2	20.	3	.
17	AUG78	613GLDPM	B	10	121	.	283.3	286.2	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5		10	121	29.3	0.057	0	.937	-	.	41.	05	43.3	4	.
17	AUG78	6113.3VV		10	222	5.30	2.00	-3.10	8.60	-8	.40	-12.	30	-14.4	0	-14.70*
17	AUG78	62 1.6HH		10	220	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		10	220	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH		10	222	-10.20	-10.70	13.50	4.80	-19	.90	-28.	60	-29.3	0	-29.80*
17	AUG78	65 .4HV		10	222	-23.80	-25.20	32.80	4.20	-39	.40	-48.	50	-47.8	0	-47.10*
17	AUG78	664.75HH		10	220	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV		10	220	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 H	B	10	221	.	.	.	.	.	.	.	.	.	.	31.34*
17	AUG78	69HLHCVC		10	222	278.6	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	10	220	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	611 LN S	M	10	222	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	612 LN S	M	10	222	3.4	5.1	11.4	18.6	1	0.7	21	.6	19.	6	.
17	AUG78	613GLDPM	B	10	222	283.3	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5		10	222	32.4	.	.	.	.	.	41.	05	43.3	4	.
2	AUG78	1113.3VV		13	121	-5.20	-5.60	-8.50	0.50	-9	.50	-12.	50	-12.5	0	.
2	AUG78	12 1.6HH		13	121	-8.20	-11.30	12.60	3.10	-14	.30	-16.	70	-18.4	0	.
2	AUG78	13 1.6HV		13	121	-19.00	-20.20	20.40	0.10	-20	.10	-22.	60	-23.3	0	.
2	AUG78	14 .4HH		13	121	-17.77	-19.47	22.71	3.19	-25	.01	-32.	66	-33.0	3	.
2	AUG78	15 .4HV		13	121	-24.19	-26.90	31.56	2.06	-36	.90	-44.	51	-43.1	9	.
2	AUG78	164.75HH		13	120	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV		13	120	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 H	A	13	121	.	0.99	0.73	1.55	6	.80	.	.	.	.	23.57*
2	AUG78	19HLHCVC		13	121	.	279.4	284.3	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	13	120	15.9	18.9	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	111 LN S	M	13	121	14.2	18.6	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	112 LN S	M	13	121	14.2	18.6	18.3	18.3	1	7.8	19	.3	16.	1	.
2	AUG78	113GLDPM	L	13	121	.	286.0	287.8	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		13	121	24.4	2.245	1	.143	-	.	39.	81	36.1	6	.
2	AUG78	1113.3VV		13	222	-3.10	-4.60	-8.00	0.70	-9	.50	-11.	90	-12.9	0	-12.90*
2	AUG78	12 1.6HH		13	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV		13	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH		13	222	-11.54	-14.41	18.00	0.10	-20	.60	-30.	80	-30.3	0	-32.10*
2	AUG78	15 .4HV		13	222	-23.57	-22.70	28.10	0.50	-35	.00	-42.	00	-41.6	0	-43.00*
2	AUG78	164.75HH		13	222	6.10	1.00	13.23	5.64	-7	.88	-10.	08	-12.0	2	-12.58*
2	AUG78	174.75HV		13	222	-3.94	-8.24	11.13	3.82	-14	.77	-18.	53	-18.6	1	-21.04*
2	AUG78	18 H	A	13	221	.	.	.	.	.	.	.	.	.	.	23.57*
2	AUG78	19HLHCVC		13	222	258.3	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	13	220	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	111 LN S	M	13	222	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	112 LN S	M	13	222	15.9	18.9	20.9	20.1	1	9.6	20	.8	17.	9	.
2	AUG78	113GLDPM	L	13	222	266.9	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		13	222	23.5	.	.	.	.	.	39.	81	36.1	6	.
5	AUG78	2113.3VV		13	121	2.60	-1.40	-3.10	6.80	-5	.80	-9.	60	-10.3	0	-11.00*
5	AUG78	22 1.6HH		13	121	-0.20	-6.40	6.80	8.50	-11	.00	-13.	50	-16.2	0	-18.10*
5	AUG78	23 1.6HV		13	121	-13.80	-15.20	14.40	5.00	-16	.10	-18.	00	-19.7	0	-21.70*

5	AUG78	24	.4HH	13	121	-15.00	-18.10	-	20.70	-2	4.47	-26	.29	-3	30	-35.3	0	-34.90*
5	AUG78	25	.4HV	13	121	-23.77	-26.62	-	33.11	-3	5.17	-41	.30	-48	16	-45.2	8	-46.59*
5	AUG78	254	.75HH	13	121	5.27	0.94	-	-2.96	-1	5.19	-6	.06	-8	26	-9.0	0	-10.69*
5	AUG78	274	.75HV	13	121	-4.61	-5.79	-	11.90	-1	2.54	-14	.95	-17	38	-16.5	8	-20.25*
5	AUG78	28	M	A	13	121	.	.	0.91	.	1.97	6	.77	.	.	.	.	19.95*
5	AUG78	29	HLHCVC	13	121	.	257.2	.	262.8	.	.	.	.	.	.	.	.	.
5	AUG78	210	FLD S	M	13	120	32.2	31.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	211	LN S	M	13	121	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	1	.	
5	AUG78	212	LN S	M	13	121	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	1	.	
5	AUG78	213	OLDPM	L	13	121	252.0	264.0	266.1	.	.	.	.	.	.	.	.	.
5	AUG78	214	PRT5	13	121	18.2	.	.	2.970	1	.155	.	.	39.	81	36.1	6	.
5	AUG78	2113	.3VV	13	222	1.00	-1.70	-5.10	.	-1	6.50	-6	.30	-9	90	-9.6	0	-10.00*
5	AUG78	22	1.6HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23	1.6HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24	.4HH	13	222	-14.50	-18.40	-	22.00	-2	5.50	-21	.80	-34	50	-34.2	0	-34.70*
5	AUG78	25	.4HV	13	222	-22.70	-27.00	-	30.61	-3	2.36	-34	.79	-43	50	-44.0	0	-44.00*
5	AUG78	264	.75HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274	.75HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28	M	A	13	221	.	.	.	.	.	.	.	.	.	.	.	19.95*
5	AUG78	29	HLHCVC	13	222	238.9	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210	FLD S	M	13	220	32.2	31.6	.	.	.	.	.	.	.	.	.	.
5	AUG78	211	LN S	M	13	222	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	7	.	
5	AUG78	212	LN S	M	13	222	29.8	30.0	30.5	28.1	2	8.9	24	.2	19.	7	.	
5	AUG78	213	OLDPM	L	13	222	252.0	264.0	266.1	.	.	.	.	.	.	.	.	.
5	AUG78	214	PRT5	13	222	20.1	.	.	.	.	.	.	.	39.	81	36.1	6	.
8	AUG78	3113	.3VV	13	121	1.50	-1.10	-4.20	.	.	7.60	-6	.50	-10	20	-10.9	0	-11.30*
8	AUG78	32	1.6HH	13	121	-2.30	-8.60	-9.70	-1	0.30	-13	.30	-17	40	-18.4	0	-21.10*	
8	AUG78	33	1.6HV	13	121	-16.30	-18.20	18.30	-1	8.20	-19	.30	-21	80	-23.7	0	-25.50*	
8	AUG78	34	.4HH	13	121	-13.40	-17.60	20.40	-2	2.50	-21	.99	-30	50	-33.3	0	-31.50*	
8	AUG78	35	.4HV	13	121	-20.94	-26.33	29.67	-3	4.75	-37	.71	-44	73	-46.1	0	-43.43*	
8	AUG78	364	.75HH	13	121	6.77	0.58	-2.55	-1	6.21	-13	.86	-17	91	-10.9	2	-13.48*	
8	AUG78	374	.75HV	13	121	-1.99	-7.82	10.77	-1	3.20	-13	.83	-13	32	-18.3	6	-20.93*	
8	AUG78	38	M	A	13	121	.	1.10	0.65	2.70	9	.60	.	.	.	.	.	19.95*
8	AUG78	39	HLHCVC	13	121	.	267.2	272.6	.	.	.	.	.	.	.	.	.	.
8	AUG78	310	FLD S	M	13	120	26.6	28.4	.	.	.	.	.	.	.	.	.	.
8	AUG78	311	LN S	M	13	121	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	
8	AUG78	312	LN S	M	13	121	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	
8	AUG78	313	OLDPM	L	13	121	254.3	270.9	272.9	.	.	.	.	.	.	.	.	.
8	AUG78	314	PRT5	13	121	18.4	.	4.465	1	.172	.	.	.	39.	81	36.1	6	.
8	AUG78	3113	.3VV	13	222	1.30	-1.10	-3.70	-1	6.80	-5	.40	-10	10	-10.9	0	-11.20*	
8	AUG78	32	1.6HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33	1.6HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34	.4HH	13	222	-12.20	-16.40	19.60	-2	1.30	-20	.40	-30	70	-30.6	0	-30.80*	
8	AUG78	35	.4HV	13	222	-21.59	-24.60	27.60	-3	2.80	-37	.00	-41	60	-44.7	0	-45.56*	
8	AUG78	364	.75HH	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374	.75HV	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38	M	A	13	221	.	.	.	.	.	.	.	.	.	.	.	19.95*
8	AUG78	39	HLHCVC	13	222	249.6	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310	FLD S	M	13	220	26.6	28.4	.	.	.	.	.	.	.	.	.	.
8	AUG78	311	LN S	M	13	222	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	
8	AUG78	312	LN S	M	13	222	23.5	26.7	27.4	26.5	2	6.5	24	.2	19.	3	.	
8	AUG78	313	OLDPM	L	13	222	254.3	270.9	272.9	.	.	.	.	.	.	.	.	.
8	AUG78	314	PRT5	13	222	19.0	.	.	.	.	.	.	.	39.	81	36.1	6	.
11	AUG78	4113	.3VV	13	121	-2.10	-3.80	-5.90	-1	9.30	-7	.60	-10	90	-11.0	0	-11.10*	
11	AUG78	42	1.6HH	13	121	-5.40	-10.70	12.80	-1	2.90	-15	.50	-16	70	-20.7	0	-21.90*	
11	AUG78	43	1.6HV	13	121	-17.30	-19.70	21.20	-2	1.10	-22	.50	-23	90	-25.6	0	-27.20*	
11	AUG78	44	.4HH	13	121	-14.07	-17.60	20.70	-2	3.27	-25	.17	-31	60	-30.4	0	-32.60*	
11	AUG78	45	.4HV	13	121	-21.00	-26.20	29.80	-3	2.70	-30	.30	-42	80	-38.9	0	-38.90*	
11	AUG78	464	.75HH	13	120

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17	AUG78	610FLD S	M	13	120	23.0	24.6
17	AUG78	611 LN S	M	13	121	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	.	.	.	
17	AUG78	612 LN S	M	13	121	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	.	.	.	
17	AUG78	613OLDPM	L	13	121	.	279.4	280.2	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	L	13	121	23.1	.	3.65	1	.172	.	39.	81	36.1	6	.	.	.	
17	AUG78	6113.3VV	L	13	222	1.50	-0.50	-3.70	-	7.60	-7	.40	-10.	30	-10.4	0	-11.40*	.	
17	AUG78	62 1.6HH	L	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	L	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	L	13	222	-9.50	-16.00	19.50	-2	1.20	-21	.00	-30.	80	-31.5	0	-34.40*	.	
17	AUG78	65 .4HV	L	13	222	-22.30	-24.80	29.30	-3	0.70	-35	.00	-44.	30	-44.3	0	-47.10*	.	
17	AUG78	664.75HH	L	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	L	13	220	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	A	13	221	.	.	.	.	.	.	.	.	.	.	.	.	24.63*
17	AUG78	69HLHCVC	L	15	222	259.3	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	13	220	23.0	24.6	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	13	222	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	.	.	.	
17	AUG78	612 LN S	M	13	222	23.0	24.6	23.3	22.2	2	2.4	16	.9	16.	9	.	.	.	
17	AUG78	613OLDPM	L	13	222	265.3	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	L	13	222	24.6	.	.	.	.	.	39.	81	36.1	6	.	.	.
2	AUG78	1113.3VV	L	14	121	8.00	5.50	1.10	.	2.70	-3	.70	35.	89	39.2	7	.	.	
2	AUG78	12 1.6HH	L	14	121	-2.20	-5.50	-7.80	-	9.40	-11	.40	-14.	60	-16.7	0	.	.	
2	AUG78	13 1.6HV	L	14	121	-18.00	-18.70	19.30	-1	8.40	-18	.10	-20.	60	-21.7	0	.	.	
2	AUG78	14 .4HH	L	14	121	-15.41	-16.60	20.50	-1	1.60	-22	.70	-31.	60	-32.5	0	.	.	
2	AUG78	15 .4HV	L	14	121	-26.10	-27.90	32.80	-3	4.20	-37	.30	-43.	60	-46.5	8	.	.	
2	AUG78	164.75HH	L	14	120	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	L	14	120	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	B	14	121	.	1.43	1.72	1.84	4	.93	.	.	.	.	.	.	22.55*
2	AUG78	19HLHCVC	L	14	121	.	244.8	249.2	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	14	120	22.1	22.9	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	14	121	22.2	23.0	25.3	25.8	2	6.2	26	.4	24.	2	.	.	.	
2	AUG78	112 LN S	M	14	121	22.3	23.0	25.3	25.8	2	6.2	26	.4	24.	2	.	.	.	
2	AUG78	113OLDPM	D	14	121	.	246.5	246.8	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	D	14	121	24.3	.	0.167	3	.950	.	35.	89	39.2	7	.	.	.	
2	AUG78	1113.3VV	L	14	222	8.10	5.50	14.30	-	3.10	-3	.50	37.	90	38.7	0	-9.60*	.	
2	AUG78	12 1.6HH	L	14	220	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	L	14	220	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH	L	14	222	-10.00	-14.80	20.30	-2	3.00	-24	.50	-31.	80	-32.2	0	-34.20*	.	
2	AUG78	15 .4HV	L	14	222	-22.80	-27.80	32.80	-3	4.10	-38	.70	-45.	40	-47.1	0	-47.60*	.	
2	AUG78	164.75HH	L	14	222	9.59	6.17	1.90	-	1.71	-4	.22	-7.	19	5.7	2	-10.20*	.	
2	AUG78	174.75HV	L	14	222	-3.71	-7.59	12.75	-1	3.10	-16	.14	-18.	94	-19.2	3	-21.90*	.	
2	AUG78	18 M	B	14	221	.	.	.	.	.	.	.	.	.	.	.	.	22.55*
2	AUG78	19HLHCVC	L	14	222	242.3	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	14	220	22.1	22.9	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	14	222	21.1	22.1	24.2	24.6	2	3.4	25	.9	22.	9	.	.	.	
2	AUG78	112 LN S	M	14	222	21.1	22.1	24.2	24.6	2	3.4	25	.9	22.	9	.	.	.	
2	AUG78	113OLDPM	D	14	222	236.4	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	D	14	222	22.3	.	.	.	.	.	33.	89	39.2	7	.	.	.
5	AUG78	2113.3VV	L	14	121	8.60	5.10	-1.00	.	4.30	-4	.60	-10.	40	-11.7	0	-12.50*	.	
5	AUG78	22 1.6HH	L	14	121	-2.00	-5.80	-7.60	-	9.80	-12	.20	-15.	60	-17.6	0	-19.60*	.	
5	AUG78	23 1.6HV	L	14	121	-16.90	-18.60	18.80	-1	9.20	-19	.30	-21.	70	-22.4	0	-24.00*	.	
5	AUG78	24 .4HH	L	14	121	-13.20	-17.80	21.30	-2	5.20	-27	.70	-55.	40	-36.3	0	-36.00*	.	
5	AUG78	25 .4HV	L	14	121	-24.00	-25.40	31.70	-3	5.60	-39	.20	-47.	20	-47.0	0	-47.20*	.	
5	AUG78	264.75HH	L	14	121	9.18	4.14	-0.69	.	4.22	-5	.81	-8.	72	9.0	9	-12.17*	.	
5	AUG78	274.75HV	L	14	121	4.10	-6.22	13.24	-1	5.21	-16	.43	-20.	11	13.7	5	-22.88*	.	
5	AUG78	28 M	B	14	121	.	1.52	1.51	2.00	4	.27	.	.	.	.	.	.	19.97*
5	AUG78	29HLHCVC	L	14	121	.	221.4	226.2	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	14	120	20.9	21.3	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	14	121	20.9	20.4	22.2	24.2	2	2.4	27	.0	23.	4	.	.	.	
5	AUG78	212 LN S	M	14	121	20.0	20.4	22.2	24.2	2	2.4	27	.0	23.	4	.	.	.	

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17	AUG78	65 .4HV	14	222	-27.10	-28.40	35.00	-3	7.40	-41	.30	-50.	70	-50.1	0	-49.50*
17	AUG78	664.75HH	14	220	*
17	AUG78	674.75HV	14	220	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	B	14	221	.	.	.	.	.	.	.	.	.	.	30.92*
17	AUG78	69HLHCVC	14	222	278.7	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	14	229	3.6	6.1	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	14	222	3.5	5.8	12.2	17.9	1	2.0	23	.8	21.	3	*
17	AUG78	612 LN S	M	14	222	3.5	5.8	12.2	17.9	1	2.0	23	.8	21.	3	*
17	AUG78	613OLDPM	D	14	222	286.2	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS		14	222	32.2	.	.	.	.	.	.	.	.	.	*
2	AUG78	1113.3VV		15	121	0.10	-3.10	-6.80	9.20	-9	.00	-13.	50	-13.6	0	*
2	AUG78	12 1.6HH		15	121	-6.50	-10.70	13.90	6.20	-16	.50	-22.	60	-23.3	0	*
2	AUG78	13 1.6HV		15	121	-15.80	-22.30	23.60	4.80	-26	.10	-29.	60	-30.4	0	*
2	AUG78	14 .4HH		15	121	-13.50	-16.20	17.70	8.60	-22	.00	-29.	25	-30.0	0	*
2	AUG78	15 .4HV		15	121	-26.80	-29.40	31.60	6.03	-41	.53	-44.	90	-50.9	9	*
2	AUG78	164.75HH		15	120	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV		15	120	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 M	L	15	121	.	2.23	2.23	2.77	6	.70	.	.	.	.	27.10*
2	AUG78	19HLHCVC		15	121	.	272.9	281.9	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	15	120	6.2	11.0	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	15	121	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	112 LN S	M	15	121	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	113OLDPM	V	15	121	.	263.3	282.7	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS		15	121	24.2	1.020	1.020	1.000	1	.	39.	63	37.1	2	*
2	AUG78	1113.3VV		15	222	-0.30	-3.00	77.80	0.20	-9	.00	-13.	10	-13.8	0	*
2	AUG78	12 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH		15	222	-11.70	-13.70	16.70	8.70	-18	.80	-24.	80	-28.9	0	*
2	AUG78	15 .4HV		15	222	-26.70	-28.80	31.70	4.60	-39	.10	-46.	68	-40.8	0	*
2	AUG78	164.75HH		15	222	5.00	-1.27	15.05	4.96	-10	.34	-13.	71	-19.7	6	*
2	AUG78	174.75HV		15	222	-4.05	-6.73	16.23	8.35	-21	.31	-24.	31	-23.7	5	*
2	AUG78	18 M	L	15	221	.	.	.	.	.	.	.	.	.	.	27.10*
2	AUG78	19HLHCVC		15	222	275.1	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	15	220	6.2	11.0	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	15	222	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	112 LN S	M	15	222	7.1	12.7	16.2	18.1	1	5.5	21	.6	23.	2	*
2	AUG78	113OLDPM	V	15	222	281.4	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRTS		15	222	27.6	.	.	.	.	.	.	.	.	.	*
5	AUG78	2113.3VV		15	121	5.00	-0.20	-4.40	7.50	-7	.40	-11.	80	-12.8	0	-13.60*
5	AUG78	22 1.6HH		15	121	-2.60	-6.50	11.30	3.80	-15	.30	-19.	60	-21.3	0	-22.30*
5	AUG78	23 1.6HV		15	121	-17.40	-18.90	21.10	1.70	-22	.20	-24.	40	-25.1	0	-26.30*
5	AUG78	24 .4HH		15	121	-15.00	-19.46	22.89	4.70	-28	.78	-36.	68	-37.5	3	-37.32*
5	AUG78	25 .4HV		15	121	-26.50	-27.20	33.50	4.70	-41	.90	-45.	53	-51.5	2	-50.76*
5	AUG78	264.75HH		15	121	4.68	-0.52	4.88	6.49	-10	.37	-12.	69	-12.6	5	-14.78*
5	AUG78	274.75HV		15	121	-4.68	-8.76	15.77	7.91	-19	.61	-22.	75	-21.6	7	-25.14*
5	AUG78	28 M	L	15	121	.	1.66	1.65	2.29	5	.71	.	.	.	.	20.82*
5	AUG78	29HLHCVC		15	121	.	255.3	256.8	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	15	120	11.4	15.3	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	15	121	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	*
5	AUG78	212 LN S	M	15	121	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	*
5	AUG78	213OLDPM	V	15	121	.	260.9	258.2	.	.	.	.	.	.	.	*
5	AUG78	214 PRTS		15	121	19.6	.	1.155	1.025	1	.	39.	63	37.1	2	*
5	AUG78	2113.3VV		15	222	2.60	-0.70	-5.30	9.10	-6	.60	-14.	50	-14.3	0	-15.10*
5	AUG78	22 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH		15	222	-14.20	-17.30	21.60	5.00	-27	.00	-34.	60	-34.6	0	-32.20*
5	AUG78	25 .4HV		15	222	-25.70	-27.40	30.90	3.10	-41	.18	-48.	74	-50.3	7	-50.26*
5	AUG78	264.75HH		15	222	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV		15	220	.	.	.	.	.	.	.	.	.	.	*

5	AUG78	28 M	L	15	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.82*
5	AUG78	29HLHCVC		15	222	247.0	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	15	220	11.4	15.3	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	15	222	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	.	.	.	.	*
5	AUG78	212 LN S	M	15	222	11.4	15.3	17.4	18.7	1	7.7	19	.9	22.	9	.	.	.	.	*
5	AUG78	213OLDPM	V	15	222	252.3	.	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRT5		15	222	21.8	.	.	.	.	.	.	39.	63	37.1	2	.	.	.	*
8	AUG78	3113.3VV		15	121	5.36	-2.30	-2.10	6.30	-5	.60	-19.	60	-10.1	0	0	0	0	0	-19.80*
8	AUG78	32 1.6HH		15	121	-2.00	-15.60	-19.00	9.80	-11	.50	-13.	20	-15.0	0	0	0	0	0	-16.90*
8	AUG78	33 1.6HV		15	121	-16.70	-19.10	13.10	9.20	-18	.40	-18.	20	-20.4	0	0	0	0	0	-20.90*
8	AUG78	34 .4HH		15	121	-13.50	-17.20	21.30	3.10	-28	.10	-31.	20	-31.3	0	0	0	0	0	-32.10*
8	AUG78	35 .4HV		15	121	-24.54	-27.94	34.41	0.50	-45	.74	-52.	42	-51.7	9	9	9	9	9	-50.99*
8	AUG78	364.75HH		15	121	8.29	2.02	-2.13	5.06	-16	.43	-9.	21	-9.8	8	8	8	8	8	-11.21*
8	AUG78	374.75HV		15	121	-1.81	-6.85	-9.68	0.97	-11	.70	-14.	96	-16.2	2	2	2	2	2	-18.55*
8	AUG78	38 M	L	15	121	.	1.45	1.40	2.20	5	.75	.	.	.	.	.	.	.	.	20.43*
8	AUG78	39HLHCVC		15	121	.	239.3	245.7	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	15	120	21.8	23.4	24.1	23.7	2	3.1	21	.9	23.	1	.	.	.	.	*
8	AUG78	311 LN S	M	15	121	21.1	22.8	24.1	23.7	2	3.1	21	.9	23.	1	.	.	.	.	*
8	AUG78	312 LN S	M	15	121	21.1	22.8	24.1	23.7	2	3.1	21	.9	23.	1	.	.	.	.	*
8	AUG78	313OLDPM	V	15	121	.	247.8	243.7	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5		15	121	18.9	.	1.482	0.53	1	.	39.	63	37.1	2	.	.	.	.	*
8	AUG78	3113.3VV		15	222	5.10	2.20	-2.40	5.40	-5	.50	-10.	00	-10.3	0	0	0	0	0	-9.40*
8	AUG78	32 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		15	222	-13.40	-17.10	21.60	3.40	-25	.40	-31.	70	-30.6	0	0	0	0	0	-33.00*
8	AUG78	35 .4HV		15	222	-24.10	-27.20	32.60	7.90	-43	.60	-49.	72	-50.3	3	3	3	3	3	-42.45*
8	AUG78	364.75HH		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	L	15	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.43*
8	AUG78	39HLHCVC		15	222	242.5	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	15	220	21.8	23.4	24.5	24.7	2	3.6	23	.0	24.	FB	.	.	.	.	*
8	AUG78	311 LN S	M	15	222	21.8	23.4	24.5	24.7	2	3.6	23	.0	24.	FB	.	.	.	.	*
8	AUG78	312 LN S	M	15	222	21.8	23.4	24.5	24.7	2	3.6	23	.0	24.	FB	.	.	.	.	*
8	AUG78	313OLDPM	V	15	222	241.9	.	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5		15	222	19.8	.	.	.	.	.	.	39.	63	37.1	2	.	.	.	*
11	AUG78	4113.3VV		15	121	2.40	-0.70	-4.60	6.10	-7	.50	-10.	70	-11.6	0	0	0	0	0	-12.10*
11	AUG78	42 1.6HH		15	121	-4.20	-11.00	13.70	6.20	-19	.20	-21.	50	-22.1	0	0	0	0	0	-24.20*
11	AUG78	43 1.6HV		15	121	-17.90	-20.80	22.60	2.80	-23	.00	-23.	70	-25.6	0	0	0	0	0	-24.20*
11	AUG78	44 .4HH		15	121	-15.83	-17.20	20.60	1.50	-24	.50	-31.	24	-30.1	1	1	1	1	1	-32.58*
11	AUG78	45 .4HV		15	121	-26.06	-26.77	39.70	2.19	-35	.11	-40.	65	-40.3	1	1	1	1	1	-31.66*
11	AUG78	464.75HH		15	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		15	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	L	15	121	.	1.67	1.50	2.23	5	.58	.	.	.	.	.	.	.	.	31.95*
11	AUG78	49HLHCVC		15	121	.	263.8	266.0	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	15	120	17.5	21.0	23.0	23.4	2	2.4	21	.6	22.	1	.	.	.	.	*
11	AUG78	411 LN S	M	15	121	17.5	21.0	23.0	23.4	2	2.4	21	.6	22.	1	.	.	.	.	*
11	AUG78	412 LN S	M	15	121	17.5	21.0	23.0	23.4	2	2.4	21	.6	22.	1	.	.	.	.	*
11	AUG78	413OLDPM	V	15	121	.	274.4	270.0	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		15	121	30.9	.	1.153	0.027	1	.	39.	63	37.1	2	.	.	.	.	*
11	AUG78	4113.3VV		15	222	4.20	0.00	-2.90	7.10	-6	.30	-19.	60	-11.1	0	0	0	0	0	-11.50*
11	AUG78	42 1.6HH		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		15	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		15	222	-12.76	-14.70	18.40	0.00	-23	.00	-27.	40	-30.3	0	0	0	0	0	-29.20*
11	AUG78	45 .4HV		15	222	-22.09	-24.10	29.00	9.70	-32	.70	-30.	98	-40.1	0	0	0	0	0	-41.70*
11	AUG78	464.75HH		15	222	8.20	1.73	-11.91	5.13	-16	.89	-10.	27	-11.6	0	0	0	0	0	-13.05*
11	AUG78	474.75HV		15	222	-2.90	-7.69	-11.12	5.41	-13	.85	-18.	03	-17.6	1	1	1	1	1	-21.06*
11	AUG78	48 M	L	15	221	31.95*
11	AUG78	49HLHCVC		15	222	*
11	AUG78	410FLD S	M	15	220	17.5	21.0	*

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11	AUG78	411 LN S	M	15	222	19.7	22.9	24.1	23.8	2	3.3	21	.3	21.	8	*
11	AUG78	412 LN S	M	15	222	19.7	22.9	24.1	23.8	2	3.3	21	.3	21.	8	*
11	AUG78	413OLDPM	V	15	222	270.1	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	V	15	222	31.5	.	.	.	.	.	39.	63	37.1	2	*
14	AUG78	5113.3VV	V	15	123	4.40	-1.20	-5.40	8.20	-7	.20	-11.	30	-11.5	0	*
14	AUG78	52 1.6HH	V	15	123	-4.10	-9.10	14.60	7.00	-18	.40	-20.	80	-22.0	0	*
14	AUG78	53 1.6HV	V	15	123	-17.40	-20.60	22.60	3.00	-23	.20	-26.	10	-26.9	0	*
14	AUG78	54 .4HH	V	15	123	-2.30	-15.50	19.20	1.10	-23	.30	-30.	60	-30.7	0	*
14	AUG78	55 .4HV	V	15	123	-27.02	-26.95	28.90	0.00	-56	.29	-37.	80	-41.3	0	*
14	AUG78	564.75HH	V	15	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV	V	15	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	L	15	121	.	1.26	1.15	1.86	4	.85	.	.	.	26.79*	*
14	AUG78	59HLHCVC	L	15	123	.	279.8	283.8	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	15	120	9.5	14.4	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	15	121	9.5	14.4	19.4	20.2	1	8.4	20	.3	22.	0	*
14	AUG78	512 LN S	M	15	121	9.5	14.4	19.4	20.2	1	8.4	20	.3	22.	0	*
14	AUG78	513OLDPM	V	15	123	.	284.7	285.3	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	V	15	123	29.2	.	1.286	.057	1	.	39.	63	37.1	2	*
14	AUG78	5113.3VV	V	15	222	2.70	-1.40	-5.80	7.70	-7	.20	-11.	70	-12.2	0	-13.00*
14	AUG78	52 1.6HH	V	15	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV	V	15	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH	V	15	222	-13.60	-17.40	20.60	1.30	-24	.00	-30.	30	-30.5	0	-31.30*
14	AUG78	55 .4HV	V	15	222	-23.70	-26.20	28.60	1.40	-56	.70	-37.	70	-38.4	0	-38.90*
14	AUG78	564.75HH	V	15	222	4.86	-0.14	-5.41	7.44	-19	.16	-12.	16	-11.6	3	-13.90*
14	AUG78	574.75HV	V	15	222	-3.42	-8.44	15.04	5.63	-17	.50	-19.	61	-19.0	8	-21.83*
14	AUG78	58 M	L	15	221	.	.	.	.	.	.	.	.	.	.	26.79*
14	AUG78	59HLHCVC	L	15	222	263.7	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	15	220	9.5	14.4	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	15	222	10.9	15.8	21.7	22.7	2	0.3	21	.8	23.	7	*
14	AUG78	512 LN S	M	15	222	10.9	15.8	21.7	22.7	2	0.3	21	.8	23.	7	*
14	AUG78	513OLDPM	V	15	222	266.9	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	V	15	222	27.2	.	.	.	.	.	39.	63	37.1	2	*
17	AUG78	6113.3VV	V	15	121	1.50	-1.80	-5.60	8.60	-8	.20	-10.	60	-11.5	0	-12.20*
17	AUG78	62 1.6HH	V	15	121	-6.10	-10.30	15.00	6.00	-18	.80	-21.	20	-21.7	0	-23.00*
17	AUG78	63 1.6HV	V	15	121	-16.40	-20.60	24.20	3.00	-24	.70	-24.	10	-25.8	0	-25.80*
17	AUG78	64 .4HH	V	15	121	-12.50	-15.93	18.40	7.20	-22	.67	-29.	30	-29.6	0	-31.00*
17	AUG78	65 .4HV	V	15	121	-25.30	-26.40	30.94	2.30	-58	.03	-42.	70	-42.6	0	-41.70*
17	AUG78	664.75HH	V	15	121	5.12	-0.38	-5.32	8.84	-10	.20	-12.	56	-14.8	2	-14.66*
17	AUG78	674.75HV	V	15	121	-5.23	-9.64	14.18	6.93	-18	.04	-21.	10	-21.5	5	-23.38*
17	AUG78	68 M	L	15	121	.	1.73	1.58	2.46	6	.64	.	.	.	.	29.10*
17	AUG78	69HLHCVC	L	15	121	.	289.1	284.9	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	15	120	4.9	11.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	15	121	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	612 LN S	M	15	121	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	613OLDPM	V	15	121	.	285.3	286.6	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS	V	15	121	26.0	.	1.754	.056	1	.	39.	63	37.1	2	*
17	AUG78	6113.3VV	V	15	222	2.40	-1.60	-4.30	9.20	-8	.30	-11.	30	-12.5	0	-12.50*
17	AUG78	62 1.6HH	V	15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	V	15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH	V	15	222	-12.80	-15.70	19.40	7.60	-23	.70	-28.	20	-29.1	0	-29.60*
17	AUG78	65 .4HV	V	15	222	-24.60	-26.20	30.00	9.90	-35	.60	-40.	90	-40.8	0	-42.90*
17	AUG78	664.75HH	V	15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	V	15	220	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	L	15	221	.	.	.	.	.	.	.	.	.	.	29.10*
17	AUG78	69HLHCVC	L	15	222	281.3	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	15	220	4.9	11.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	15	222	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	612 LN S	M	15	222	4.9	11.5	16.3	18.6	1	5.6	19	.1	22.	2	*
17	AUG78	613OLDPM	V	15	222	289.2	*

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17	AUG78	814	PRTS	18	121	30.00	39.	03	37.1	2	.	.	
2	AUG78	1113	3VV	17	121	12.60	17.50	5.80	.50	2.50	80	12.2	0	12.80*	.	.	
2	AUG78	12	1.6HH	17	121	14.50	14.50	6.00	.70	2.50	80	21.9	0	23.10*	.	.	
2	AUG78	15	1.6HV	17	121	19.70	23.10	5.10	25	.90	30	19	29.4	0	30.50*	.	.
2	AUG78	16	.4HH	17	121	17.25	18.95	4.88	25	.47	33	74	34.3	6	34.62*	.	.
2	AUG78	18	.4HV	17	121	27.10	27.02	32.24	3	6.92	44	23	49.	44	50.2	1	48.40*
2	AUG78	184	.75HH	17	120	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174	.75HV	17	120	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18	M	17	121	.	1.70	2.02	2.14	.	.61	.	.	.	.	29.28*
2	AUG78	19	HLHCVC	17	121	.	285.9	291.5	.	.	.	.	.	.	.	.
2	AUG78	210	FLO S	17	120	3.7	4.3	.	.	.	.	.	.	.	.	.
2	AUG78	211	LN S	17	121	3.7	4.3	6.5	1.7	1	0.3	22	.2	23.	5	.	
2	AUG78	212	LN S	17	121	3.7	4.3	6.5	1.7	1	0.8	22	.2	23.	5	.	
2	AUG78	2130	OPM	17	121	.	240.0	292.1	.	.	.	.	.	.	.	.
2	AUG78	214	PRTS	17	121	24.5	.	0.129	.	.	.	55	46.5	2	.	.	
2	AUG78	2113	3VV	17	222	-2.10	-4.00	17.10	0	9.00	-8	.00	-11.	60	-12.5	0	.
2	AUG78	22	1.6HH	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	23	1.6HV	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	24	.4HH	17	222	-15.20	-16.00	16.50	-1	4.10	-21	.90	-30	15	-32.5	0	.
2	AUG78	25	.4HV	17	222	-23.20	-24.90	23.50	-3	5.10	-40	.30	-49.	60	-48.8	0	.
2	AUG78	264	.75HH	17	222	6.00	-0.39	-3.70	-	6.99	-8	.51	-11.	33	-13.2	7	.
2	AUG78	274	.75HV	17	222	-5.21	-9.25	16.00	-1	8.45	-20	.73	-24.	46	-25.6	4	.
2	AUG78	28	M	17	221	.	.	.	.	.	.	.	.	.	.	29.28*
2	AUG78	29	HLHCVC	17	222	278.8	.	.	.	.	.	.	.	.	.	.
2	AUG78	210	FLO S	17	220	3.7	4.3	.	.	.	.	.	.	.	.	.
2	AUG78	211	LN S	17	222	4.2	4.8	8.0	13.0	1	1.0	21	.5	22.	5	.	
2	AUG78	212	LN S	17	222	4.2	4.8	8.0	13.0	1	1.0	21	.5	22.	5	.	
2	AUG78	2130	OPM	17	222	284.2	.	.	.	.	.	.	.	.	.	.
2	AUG78	214	PRTS	17	222	29.9	.	.	.	.	.	.	.	.	.	.
2	AUG78	2113	3VV	17	121	-1.90	-4.70	-8.20	-1	9.60	-8	.70	-11.	90	-13.5	0	13.60*
2	AUG78	22	1.6HH	17	121	-3.00	-10.00	13.50	-1	5.50	-18	.20	-21.	60	-22.8	0	24.30*
2	AUG78	23	1.6HV	17	121	-19.00	-21.20	22.50	-2	2.90	-24	.50	-27.	30	-29.9	0	28.10*
2	AUG78	24	.4HH	17	121	-15.00	-16.30	20.10	-1	8.60	-25	.70	-35.	40	-35.1	0	32.20*
2	AUG78	25	.4HV	17	121	-28.00	-26.50	33.90	-3	4.30	-40	.40	-50.	20	-50.5	0	49.20*
2	AUG78	264	.75HH	17	121	3.67	-2.54	-6.79	-	9.65	-10	.90	-13.	40	-13.1	5	15.84*
2	AUG78	274	.75HV	17	121	-4.98	-10.00	17.91	-2	0.09	-22	.73	-25.	81	-24.9	7	28.11*
2	AUG78	28	M	17	121	.	1.49	1.78	1.95	4	.16	.	.	.	.	24.92*
2	AUG78	29	HLHCVC	17	121	.	282.0	285.9	.	.	.	.	.	.	.	.
2	AUG78	210	FLO S	17	120	5.8	5.8	.	.	.	.	.	.	.	.	.
2	AUG78	211	LN S	17	121	5.8	5.8	8.0	13.5	1	0.5	22	.5	23.	9	.	
2	AUG78	212	LN S	17	121	5.8	5.8	8.0	13.5	1	0.5	22	.5	23.	9	.	
2	AUG78	2130	OPM	17	121	.	286.1	286.2	.	.	.	.	.	.	.	.
2	AUG78	214	PRTS	17	121	23.3	.	0.190	0	.952	.	.	46.	55	46.5	2	.
2	AUG78	2113	3VV	17	222	-2.10	-7.00	10.40	-1	1.60	-9	.60	-11.	70	-13.7	0	13.10*
2	AUG78	22	1.6HH	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	23	1.6HV	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	24	.4HH	17	222	-14.60	-16.70	19.10	-1	8.10	-25	.00	-34.	40	-36.0	0	34.30*
2	AUG78	25	.4HV	17	222	-26.50	-27.40	34.10	-3	3.40	-39	.30	-51.	20	-49.8	0	48.50*
2	AUG78	264	.75HH	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	274	.75HV	17	220	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	28	M	17	221	.	.	.	.	.	.	.	.	.	.	24.92*
2	AUG78	29	HLHCVC	17	222	273.8	.	.	.	.	.	.	.	.	.	.
2	AUG78	210	FLO S	17	220	5.8	5.8	.	.	.	.	.	.	.	.	.
2	AUG78	211	LN S	17	222	5.5	5.4	7.4	12.8	9.3	22	.7	22.	7	.	.	
2	AUG78	212	LN S	17	222	5.5	5.4	7.4	12.8	9.3	22	.7	22.	7	.	.	
2	AUG78	2130	OPM	17	222	280.2	.	.	.	.	.	.	.	.	.	.
2	AUG78	214	PRTS	17	222	27.9	46.	55	46.5	2	.
2	AUG78	2113	3VV	17	120	
2	AUG78	22	1.6HH	17	120	

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8	AUG78	33	1.6HV	17	120	
8	AUG78	34	.4HH	17	120	
8	AUG78	35	.4HV	17	120	
8	AUG78	364	.75HH	17	120	
8	AUG78	374	.75HV	17	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38	M	B	17	121	.	1.60	1.85	4.20	7	.80	.	.	.	.	.	.	.	21.39*	
8	AUG78	39HLHCVC			17	121	277.0	279.9	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S		M	17	120	4.3	5.4	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S		M	17	121	4.3	5.4	7.7	13.7	1	0.7	23	.3	23.							
8	AUG78	312 LN S		M	17	121	4.3	5.4	7.7	13.7	1	0.7	23	.3	23.							
8	AUG78	313OLDPM		E	17	121	281.1	289.5	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRTS			17	121	19.3	2.068	1	.057			46.	55	46.5	2						
8	AUG78	3113.3VV			17	222	-0.90	-4.20	-7.20	-1	9.10	-3	.00	-11.	80	-12.1	0	-12.70*				
8	AUG78	32	1.6HH		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33	1.6HV		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34	.4HH		17	222	-14.40	-16.60	-19.80	-1	6.90	-22	.20	-32.	90	-34.5	0	-34.00*				
8	AUG78	35	.4HV		17	222	-26.70	-26.60	-37.00	-4	0.40	-46	.00	-55.	30	-52.4	0	-49.80*				
8	AUG78	364	.75HH		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374	.75HV		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38	M	B	17	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21.39*
8	AUG78	39HLHCVC			17	222	269.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S		M	17	220	4.3	5.4	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S		M	17	222	4.3	5.4	7.7	13.7	1	0.7	23	.3	23.							
8	AUG78	312 LN S		M	17	222	4.3	5.4	7.7	13.7	1	0.7	23	.3	23.							
8	AUG78	313OLDPM		E	17	222	276.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRTS			17	222	21.0	.	.	.	.	.	.	46.	55	46.5	2				
11	AUG78	4113.3VV			17	121	-2.50	-4.20	-7.20	-1	9.10	-9	.50	-11.	90	-12.8	0	-12.10*				
11	AUG78	42	1.6HH		17	121	-6.80	-11.60	-15.70	-1	8.20	-19	.90	-22.	20	-23.9	0	-25.00*				
11	AUG78	43	1.6HV		17	121	-20.90	-22.80	-26.40	-2	5.70	-23	.00	-29.	50	-31.3	0	-29.40*				
11	AUG78	44	.4HH		17	121	-16.70	-18.75	-20.20	-1	5.40	-22	.60	-30.	90	-30.9	0	-33.28*				
11	AUG78	45	.4HV		17	121	-26.60	-27.60	-31.20	-3	4.40	-40	.80	-48.	90	-44.2	0	-46.10*				
11	AUG78	464	.75HH		17	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474	.75HV		17	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48	M	B	17	121	.	1.66	1.93	2.08	4	.40	.	.	.	.	.	.	.	.	41.44*
11	AUG78	49HLHCVC			17	121	254.1	299.2	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S		M	17	120	4.5	5.2	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S		M	17	121	4.5	5.2	6.9	13.4	1	0.8	23	.0	24.							
11	AUG78	412 LN S		M	17	121	4.5	5.2	6.9	13.4	1	0.8	23	.0	24.							
11	AUG78	413OLDPM		E	17	121	297.9	299.8	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRTS			17	121	38.1	9.121	0	.964			46.	55	46.5	2						
11	AUG78	4113.3VV			17	222	-2.30	-4.40	-7.20	-1	9.70	-2	.10	-11.	90	-12.3	0					
11	AUG78	42	1.6HH		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43	1.6HV		17	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44	.4HH		17	222	-14.50	-16.00	-17.00	-1	4.10	-19	.60	-29.	90	-30.2	0					
11	AUG78	45	.4HV		17	222	-25.50	-25.50	-30.60	-3	3.30	-37	.00	-48.	60	-42.6	0					
11	AUG78	464	.75HH		17	222	5.22	10.57	15.41		9.60	-11	.18	-13.	91	-15.5	0					
11	AUG78	474	.75HV		17	222	-4.68	-9.96	-16.24	-1	9.26	-21	.43	-25.	20	-24.0	4					
11	AUG78	48	M	B	17	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41.44*
11	AUG78	49HLHCVC			17	222	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S		M	17	220	4.5	5.2	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S		M	17	222	4.1	4.6	6.3	12.4	1	0.1	22	.1	23.							
11	AUG78	412 LN S		M	17	222	4.1	4.6	6.3	12.4	1	0.1	22	.1	23.							
11	AUG78	413OLDPM		E	17	222	308.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRTS			17	222	39.5	46.	55	46.5	2					
14	AUG78	5113.3VV			17	123	-0.80	-3.70	-7.70	-1	9.00	-6	.20	-12.	10	-12.3	0	-12.90*				
14	AUG78	52	1.6HH		17	123	-3.90	-11.20	-18.40	-1	6.60	-13	.20	-21.	90	-24.0	0	-25.80*				
14	AUG78	53	1.6HV		17	123	-19.30	-23.60	-24.50	-2	5.30	-27	.90	-30.	60	-30.0	0	-31.60*				
14	AUG78	54	.4HH		17	123	-14.60	-17.60	-19.49	-1	5.90	-23	.10	-30.	50	-32.5	0	-32.90*				
14	AUG78	55	.4HV		17	123	-26.18	-26.88	-32.13	-3	2.27	-43	.64	-50.	60	-50.9	0	-42.70*				

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2	AUG78	19HLHCVC	19	131	.	260.0	266.8
2	AUG78	110FLD S	M	19	130	11.1	15.2
2	AUG78	111 LN S	M	19	131
2	AUG78	112 LN S	M	19	131	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	113OLDPM	O	19	131	.	266.0	270.9	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS		19	131	21.8		1.856	1	.113		41.	75	35.5	6					
2	AUG78	1113.3VV		19	232	5.10	2.00	-1.40	-	2.50	-1	.90	-6.	30	-8.1	0	-9.00*			
2	AUG78	12 1.6HH		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH		19	232	-13.50	-15.30	-15.30	-	4.00	-16	.10	-28.	60	-29.3	0	-23.60*			
2	AUG78	15 .4HV		19	232	-28.30	-30.70	-34.00	-2	5.40	-35	.80	-42.	70	-40.3	0	-34.90*			
2	AUG78	164.75HH		19	232	11.63	7.49	5.71		4.85	4	.72	0.	59	-1.6	2	-5.73*			
2	AUG78	174.75HV		19	232	-4.02	-7.42	-12.36	-1	2.51	-12	.74	-17.	64	-15.7	0	-19.20*			
2	AUG78	18 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	19HLHCVC		19	232	241.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	19	230	11.1	15.8	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	19	232	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	112 LN S	M	19	232	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	113OLDPM	O	19	232	245.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS		19	232	24.4	.	.	.	.	.	.	41.	75	35.5	6				
2	AUG78	2113.3VV		19	131	3.50	2.50	0.20	-	2.50	-1	.50	-5.	20	-7.0	0	-7.40*			
2	AUG78	22 1.6HH		19	131	0.20	-1.30	-0.90	-1	0.70	-3	.90	-4.	70	-5.7	0	-12.70*			
2	AUG78	23 1.6HV		19	131	-16.10	-16.20	-15.20	-1	5.50	-16	.00	-17.	30	-17.9	0	-18.50*			
2	AUG78	24 .4HH		19	131	-16.10	-17.90	-17.40	-1	3.00	-20	.30	-28.	30	-30.4	0	-21.80*			
2	AUG78	25 .4HV		19	131	-28.91	-32.22	-35.17	-2	6.42	-35	.74	-44.	62	-42.6	2	-35.23*			
2	AUG78	264.75HH		19	131	5.86	2.24	0.25	-	0.60	-0	.43	-4.	74	-6.6	6	-8.65*			
2	AUG78	274.75HV		19	131	-3.56	-7.56	-10.64	-1	2.51	-12	.91	-16.	51	-16.8	5	-19.48*			
2	AUG78	28 M	R	19	131	.	0.90	0.74		1.55	5	.33	.	.	.	.	.	.	.	21.05*
2	AUG78	29HLHCVC		19	131	.	263.6	269.7	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	210FLD S	M	19	130	14.8	20.4	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S	M	19	131	16.3	21.8	24.8		27.9	2	3.3	29	.8	30.	2				
2	AUG78	212 LN S	M	19	131	16.3	21.8	24.8		27.9	2	3.8	29	.8	30.	2				
2	AUG78	213OLDPM	O	19	131	.	270.0	272.3	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	214 PRTS		19	131	20.1	.	2.032	1	.121		41.	75	35.5	6					
2	AUG78	2113.3VV		19	232	4.60	2.50	0.90	-	1.30	-1	.10	-6.	10	-6.9	0	-8.40*			
2	AUG78	22 1.6HH		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	23 1.6HV		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	24 .4HH		19	232	-17.80	-17.30	-16.30	-	5.80	-21	.10	-29.	90	-28.2	0	-24.50*			
2	AUG78	25 .4HV		19	232	-32.30	-34.10	-35.00	-2	4.40	-37	.20	-43.	60	-42.7	0	-35.20*			
2	AUG78	264.75HH		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	274.75HV		19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	28 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21.05*
2	AUG78	29HLHCVC		19	232	259.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	210FLD S	M	19	230	14.8	20.4	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S	M	19	232	14.2	20.4	21.8		23.1	2	1.9	26	.9	28.	6				
2	AUG78	212 LN S	M	19	232	14.2	20.4	21.8		23.1	2	1.9	26	.9	28.	6				
2	AUG78	213OLDPM	O	19	232	267.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	214 PRTS		19	232	21.4	.	.	.	.	.	.	41.	75	35.5	6				
2	AUG78	3113.3VV		19	131	4.30	3.30	0.60	-	1.90	-1	.10	-4.	90	-7.3	0	-7.40*			
2	AUG78	32 1.6HH		19	131	2.30	-0.30	-0.10	-	1.40	-0	.70	-3.	50	-7.4	0	-10.90*			
2	AUG78	33 1.6HV		19	131	-17.50	-17.10	-15.30	-1	4.60	-15	.40	-19.	30	-19.2	0	-19.90*			
2	AUG78	34 .4HH		19	131	-13.00	-13.20	-14.00	-1	2.20	-14	.60	-28.	30	-28.0	0	-26.50*			
2	AUG78	35 .4HV		19	131	-29.10	-30.70	-35.40	-2	5.90	-37	.93	-42.	05	-45.1	3	-40.42*			
2	AUG78	364.75HH		19	130	17.60	13.00	11.90		9.90	9	.80	7.	10	1.6	0	-1.30*			
2	AUG78	374.75HV		19	130	14.80	11.50	6.70		5.40	3	.70	0.	60	-1.2	0	-2.60*			
2	AUG78	38 M	R	19	131	.	0.65	0.45		1.15	4	.45	.	.	.	.	.	.	.	19.76*
2	AUG78	39HLHCVC		19	131	.	265.3	270.0	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	310FLD S	M	19	130	16.3	22.4
2	AUG78	311 LN S	M	19	131	16.3	22.4	23.4		25.1	2	3.0	26	.3	28.	7				

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8	AUG78	312 LN S	M	19	131	16.3	22.4	23.1	25.1	2	3.0	26	.3	28.	7	*	
8	AUG78	3130LOPM	O	19	131	.	270.4	271.0	*	
8	AUG78	314 PRTS		19	131	18.3	.	1.894	.	.147	.	41.	75	35.5	6	*	
8	AUG78	3113.3VV		19	232	2.50	2.80	0.70	1.50	-1	.50	-5.	70	-6.8	0	-8.70*	
8	AUG78	32 1.6HH		19	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		19	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		19	232	-11.20	-12.50	12.50	1.20	-14	.70	-25.	70	-25.2	0	-31.30*	
8	AUG78	35 .4HV		19	232	-25.40	-22.60	32.10	-2	3.20	-37	.50	-45.	30	-42.4	0	-37.60*
8	AUG78	364.75HH		19	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		19	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 H	R	19	231	.	.	.	.	.	.	.	.	.	.	19.76*
8	AUG78	39HLKVCV		19	232	255.2	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	N	19	230	16.3	22.4	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	19	232	17.9	23.8	25.3	26.8	2	4.3	28	.7	29.	3	*	
8	AUG78	312 LN S	M	19	232	17.9	23.8	25.3	26.8	2	4.3	28	.7	29.	3	*	
8	AUG78	3130LOPM	O	19	232	260.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		19	232	19.3	.	.	.	.	.	41.	75	35.5	6	*
11	AUG78	4113.3VV		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.75HH		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		19	130	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	R	19	131	.	0.91	0.74	1.56	5	.63	.	.	.	.	30.80*
11	AUG78	49HLKVCV		19	131	.	277.2	283.4	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	N	19	130	10.1	15.6	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	19	131	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	412 LN S	M	19	131	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	4130LOPM	O	19	131	.	284.6	287.1	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		19	131	27.6	.	2.195	.	.126	.	41.	75	35.5	6	*	
11	AUG78	4113.3VV		19	232	1.70	1.50	-1.10	-	3.90	-2	.70	-5.	40	-6.7	0	-7.00*
11	AUG78	42 1.6HH		19	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		19	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		19	232	-10.80	-12.10	12.70	1.40	-10	.30	-23.	80	-23.5	0	-18.80*	
11	AUG78	45 .4HV		19	232	-23.90	-26.80	28.20	-1	5.90	-30	.40	-37.	80	-36.7	0	-29.10*
11	AUG78	464.75HH		19	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		19	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	R	19	231	.	.	.	.	.	.	.	.	.	.	30.80*
11	AUG78	49HLKVCV		19	232	269.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	N	19	230	10.1	15.6	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	19	232	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	412 LN S	M	19	232	10.1	15.6	19.9	22.6	2	1.3	26	.0	27.	1	*	
11	AUG78	4130LOPM	O	19	232	279.3	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		19	232	29.0	.	.	.	.	.	41.	75	35.5	6	*
14	AUG78	5113.3VV		19	133	3.20	1.80	-0.70	-	3.30	-2	.20	-5.	10	-5.6	0	-6.70*
14	AUG78	52 1.6HH		19	133	-0.10	-1.50	-2.60	-	1.70	-4	.40	-7.	10	-9.5	0	-11.30*
14	AUG78	53 1.6HV		19	133	-18.00	-18.50	18.50	-1	6.10	-19	.60	-20.	40	-20.0	0	-21.70*
14	AUG78	54 .4HH		19	133	-12.44	-10.90	14.36	0.10	-13	.10	-23.	20	-24.2	0	-18.92*	
14	AUG78	55 .4HV		19	133	-24.55	-27.50	30.40	-1	7.40	-30	.70	-41.	05	-38.0	6	-27.53*
14	AUG78	564.75HH		19	131	10.35	5.97	2.52	0.93	-1	.00	-5.	62	-7.4	3	-5.36*	
14	AUG78	574.75HV		19	131	-4.20	-6.82	11.41	-1	2.54	-13	.88	-16.	21	-16.1	5	-19.45*
14	AUG78	58 H	R	19	131	.	0.67	0.53	0.78	4	.00	.	.	.	.	20.71*
14	AUG78	59HLKVCV		19	133	.	280.1	226.9	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	N	19	130	12.9	17.3	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	19	131	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	*	
14	AUG78	512 LN S	M	19	131	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	*	
14	AUG78	5130LOPM	O	19	133	.	284.5	287.2	*	
14	AUG78	514 PRTS		19	133	26.8	.	1.555	1	.125	.	41.	75	35.5	6	*	

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14	AUG78	5115.3VV	19	232	3.10	1.80	-10.90	-1	3.60	1	.60	55	60
14	AUG78	52 1.6HH	19	230
14	AUG78	53 1.6HV	19	230
14	AUG78	54 .4HH	19	232	-10.90	-12.80	-11.20	-1	1.30	-14	.70	-25.	10	.	.	.	.	.	.	.	.
14	AUG78	55 .4HV	19	232	-22.70	-25.50	-28.20	-1	8.00	-30	.30	-39.	70	.	.	.	.	.	.	.	.
14	AUG78	564.75HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26.31*
14	AUG78	59HLKVC		19	232	270.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	19	230	12.9	17.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	19	232	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	.	.	.	.	.	.
14	AUG78	512 LN S	M	19	232	12.9	17.3	21.2	24.4	2	1.5	27	.2	27.	9	.	.	.	.	.	.
14	AUG78	513CLDPM	O	19	232	278.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5		19	232	25.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV	19	131	4.40	2.40	-0.40	-1	2.60	-1	.70	41.	75	35.5	6	.	.	.	.	.	.
17	AUG78	62 1.6HH	19	131	0.50	-1.30	-0.30	-1	2.50	-4	.40	-9.	40	-12.2	0	-14.20*	.	.	.	.	.
17	AUG78	63 1.6HV	19	131	-17.00	-12.10	18.00	-1	8.20	-18	.90	-19.	10	-20.7	0	-21.20*	.	.	.	.	.
17	AUG78	64 .4HH	19	131	-12.40	-14.00	14.50	-1	0.60	-14	.90	-25.	70	-27.7	0	-23.50*	.	.	.	.	.
17	AUG78	65 .4HV	19	131	-26.23	-25.15	25.74	-1	5.55	-29	.30	-39.	00	-38.1	9	-30.72*	.	.	.	.	.
17	AUG78	664.75HH	19	131	8.69	4.34	0.19	-1	2.69	-4	.21	-7.	42	-8.2	2	-5.69*	.	.	.	.	.
17	AUG78	574.75HV	19	131	-4.62	-6.48	12.14	-1	3.08	-14	.01	-16.	89	-17.6	1	-19.14*	.	.	.	.	.
17	AUG78	68 M	R	19	131	.	0.91	0.75	1.62	5	.95	.	.	.	.	.	.	.	.	.	27.25*
17	AUG78	69HLKVC		19	131	.	278.0	284.0	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	510FLD S	M	19	130	9.5	14.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	19	131	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.	.	.	.	.
17	AUG78	612 LN S	M	19	131	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.	.	.	.	.
17	AUG78	613CLDPM	O	19	131	.	283.3	286.0	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5		19	131	25.4	.	2.358	1	.130	.	41.	75	35.5	6	.	.	.	.	.	.
17	AUG78	6113.3VV	19	232	3.70	2.50	-0.10	-1	2.50	-1	.80	-5.	30	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	53 1.6HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	19	232	-12.50	-13.00	12.50	-1	0.50	-13	.60	-24.	80	.	.	.	.	.	.	.	.
17	AUG78	65 .4HV	19	232	-27.70	-27.10	30.00	-1	5.80	-29	.90	-41.	60	.	.	.	.	.	.	.	.
17	AUG78	664.75HH	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	19	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	R	19	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	27.25*
17	AUG78	69HLKVC		19	232	276.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	510FLD S	M	19	230	9.5	14.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	19	232	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.	.	.	.	.
17	AUG78	612 LN S	M	19	232	9.5	14.7	18.5	21.3	1	8.6	25	.5	26.	0	.	.	.	.	.	.
17	AUG78	613CLDPM	O	19	232	283.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5		19	232	27.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV	2A	121	-1.00	-2.40	-4.90	-1	7.40	-7	.10	41.	75	35.5	6	.	.	.	.	.	.
2	AUG78	12 1.6HH	2A	121	-10.70	-13.20	14.30	-1	4.40	-15	.80	-17.	60	-19.3	0	.	.	.	.	.	.
2	AUG78	13 1.6HV	2A	121	-20.00	-22.10	22.40	-2	1.50	-21	.20	-22.	70	-23.8	0	.	.	.	.	.	.
2	AUG78	14 .4HH	2A	121	-15.70	-22.60	23.30	-2	5.60	-26	.20	-31.	50	-33.5	0	.	.	.	.	.	.
2	AUG78	15 .4HV	2A	121	-25.40	-31.50	35.10	-3	6.00	-38	.20	-39.	90	-40.4	0	.	.	.	.	.	.
2	AUG78	164.75HH	2A	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	2A	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	L	2A	121	.	1.27	1.29	1.72	4	.91	.	.	.	.	.	.	.	.	.	26.73*
2	AUG78	19HLKVC		2A	121	.	280.2	282.9	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	2A	120	4.6	6.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	2A	121	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	.	.	.	.	.
2	AUG78	112 LN S	M	2A	121	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	.	.	.	.	.
2	AUG78	113CLDPM	Y	2A	121	.	284.2	283.5	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5		2A	121	24.1	.	1.154	1	.041	.	47.	35	45.1	8	.	.	.	.	.	.
2	AUG78	1113.3VV	2A	222	-1.00	-2.20	-4.60	-1	7.70	-6	.80	-10.	30	-11.1	0
2	AUG78	12 1.6HH	2A	220
2	AUG78	13 1.6HV	2A	220

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2	AUG78	14 .4HH	2A	222	-16.30	-19.30	22.40	-2	4.30	-27	.60	-32.	40	-33.1	0	.	*
2	AUG78	15 .4HV	2A	222	-28.40	-32.60	35.90	-3	5.30	-39	.30	-42.	20	-42.1	0	.	*
2	AUG78	154.75HH	2A	222	-3.70	-8.43	-3.39	-	5.78	-7	.14	-9.	66	-9.9	0	.	*
2	AUG78	174.75HV	2A	222	-5.28	-9.15	12.52	-1	5.57	-17	.04	-19.	80	-20.2	5	.	*
2	AUG78	18 M	L	2A	221	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	19HLHCVC	2A	222	271.9	.	.	.	.	.	.	.	.	.	.	26.73	*
2	AUG78	110FLD S	M	2A	220	4.6	6.4	.	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2A	222	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	*
2	AUG78	112 LN S	M	2A	222	4.6	6.4	13.4	25.8	1	4.9	29	.0	28.	4	.	*
2	AUG78	1130LDPH	Y	2A	222	276.3	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRYS	2A	222	28.3	.	.	.	.	.	.	47.	35	45.1	8	.	*
5	AUG78	2113.3VV	2A	121	-10.10	-1.80	-6.10	-	6.60	-6	.30	-9.	70	-10.1	0	-9.60	*
5	AUG78	22 1.6HH	2A	121	-10.40	-12.00	13.40	-1	3.50	-15	.00	-16.	60	-17.0	0	-19.30	*
5	AUG78	23 1.6HV	2A	121	-18.80	-19.30	17.79	-1	7.40	-16	.10	-17.	40	-18.4	0	-18.40	*
5	AUG78	24 .4HH	2A	121	-18.90	-22.20	22.50	-2	6.10	-26	.60	-32.	30	-32.8	0	-34.50	*
5	AUG78	25 .4HV	2A	121	-27.20	-31.70	33.30	-3	5.70	-36	.90	-38.	60	-39.1	0	-38.10	*
5	AUG78	264.75HH	2A	121	-2.38	-1.46	-5.01	-	7.39	-7	.77	-9.	44	-9.4	8	-10.33	*
5	AUG78	274.75HV	2A	121	-5.42	-7.53	13.82	-1	4.58	-15	.67	-18.	37	-16.5	5	-18.40	*
5	AUG78	28 M	L	2A	121	.	1.14	1.09	1.68	4	.74	.	.	.	.	.	*
5	AUG78	29HLHCVC	2A	121	.	273.0	276.6	.	.	.	.	.	.	.	.	22.66	*
5	AUG78	210FLD S	M	2A	120	26.1	24.5	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	2A	121	6.7	8.0	12.5	23.0	1	9.5	26	.9	26.	4	.	*
5	AUG78	212 LN S	M	2A	121	6.7	8.0	12.5	23.0	1	9.5	26	.9	26.	4	.	*
5	AUG78	2130LDPH	Y	2A	121	.	276.8	277.1	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRYS	2A	121	22.4	.	1.297	1	.061	.	.	47.	35	45.1	8	.	*
5	AUG78	2113.3VV	2A	222	0.20	-1.50	-5.00	-	7.40	-6	.50	-10.	50	-11.0	0	-10.50	*
5	AUG78	22 1.6HH	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH	2A	222	-17.30	-21.80	25.20	-2	6.30	-28	.30	-33.	90	-32.5	0	-35.70	*
5	AUG78	25 .4HV	2A	222	-26.30	-31.90	35.10	-3	6.30	-38	.80	-40.	80	-39.0	0	-37.00	*
5	AUG78	264.75HH	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 M	L	2A	221	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	29HLHCVC	2A	222	267.6	.	.	.	.	.	.	.	.	.	.	22.66	*
5	AUG78	210FLD S	M	2A	220	26.1	24.5	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	2A	222	7.1	8.3	12.3	23.1	1	9.7	27	.1	27.	0	.	*
5	AUG78	212 LN S	M	2A	222	7.1	8.3	12.3	23.1	1	9.7	27	.1	27.	0	.	*
5	AUG78	2130LDPH	Y	2A	222	272.9	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRYS	2A	222	25.9	.	.	.	.	.	.	47.	35	45.1	8	.	*
8	AUG78	3113.3VV	2A	121	2.10	1.10	-2.00	-	4.50	-3	.40	-7.	00	-8.0	0	-7.90	*
8	AUG78	32 1.6HH	2A	121	-7.00	-9.90	-9.60	-1	0.20	-11	.20	-13.	60	-15.3	0	-16.20	*
8	AUG78	33 1.6HV	2A	121	-16.50	-17.50	16.80	-1	6.10	-15	.30	-16.	40	-17.0	0	-18.40	*
8	AUG78	34 .4HH	2A	121	-15.73	-19.83	24.53	-2	4.79	-26	.17	-30.	66	-31.7	2	-32.49	*
8	AUG78	35 .4HV	2A	121	-26.12	-29.91	32.96	-3	6.32	-38	.18	-40.	78	-38.9	6	-37.27	*
8	AUG78	364.75HH	2A	121	5.52	2.29	-1.36	-	3.56	-4	.39	-5.	61	-8.3	3	-8.94	*
8	AUG78	374.75HV	2A	121	-2.15	-5.50	-8.17	-	8.83	-9	.47	-13.	57	-13.8	1	-16.75	*
8	AUG78	38 M	L	2A	121	.	1.15	1.05	3.75	7	.95	.	.	.	.	.	*
8	AUG78	39HLHCVC	2A	121	.	261.5	262.1	.	.	.	.	.	.	.	.	.	*
8	AUG78	210FLD S	M	2A	120	15.2	18.8	.	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	2A	121	15.2	18.8	21.7	27.6	2	4.0	29	.7	29.	2	.	*
8	AUG78	312 LN S	M	2A	121	15.2	18.8	21.7	27.6	2	4.0	29	.7	29.	2	.	*
8	AUG78	3130LDPH	Y	2A	121	.	268.2	265.5	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRYS	2A	121	19.1	.	3.094	1	.125	.	.	47.	35	45.1	8	.	*
8	AUG78	3113.3VV	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	32 1.6HH	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV	2A	220	*
8	AUG78	34 .4HH	2A	220	*
8	AUG78	35 .4HV	2A	220	*
8	AUG78	364.75HH	2A	220	*

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14	AUG78	510FLD S	H	2A	220	6.1	12.8
14	AUG78	511 LN S	H	2A	222	7.5	18.3	28.9	32.0	2	5.1	29	.8	18.	9
14	AUG78	512 LN S	H	2A	222	7.5	18.3	28.9	32.0	2	5.1	29	.8	18.	9	.	.	.	.	.	.	.	.	.	.
14	AUG78	513CLDPM	Y	2A	222	284.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5	.	2A	222	27.4	.	.	.	.	.	47.	35	45.1	8	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV	.	2A	121	0.20	-10.20	-13.00	5.40	-4	.10	-7.	10	-17.9	0	.	.	.	.	.	.	.	.	.	8.20*
17	AUG78	62 1.6HV	.	2A	121	-10.20	-11.60	13.00	3.30	-15	.00	-16.	77	-17.1	0	.	.	.	.	.	.	.	.	.	18.60*
17	AUG78	63 1.6HV	.	2A	121	-16.70	-19.60	20.90	9.90	-20	.60	-21.	60	-22.1	0	.	.	.	.	.	.	.	.	.	23.10*
17	AUG78	64 .4HV	.	2A	121	-19.60	-19.60	21.60	3.40	-26	.47	-31.	60	-23.8	0	.	.	.	.	.	.	.	.	.	30.70*
17	AUG78	65 .4HV	.	2A	121	-25.50	-28.91	38.90	0.90	-35	.00	-35.	70	-35.3	0	.	.	.	.	.	.	.	.	.	35.30*
17	AUG78	654.75HH	.	2A	121	3.70	-0.31	-3.83	6.47	-7	.50	-9.	75	-10.9	9	.	.	.	.	.	.	.	.	.	12.18*
17	AUG78	674.75HV	.	2A	121	-4.68	-9.44	13.32	4.54	-16	.00	-18.	72	-18.9	9	.	.	.	.	.	.	.	.	.	20.43*
17	AUG78	68 M	L	2A	121	.	1.07	0.93	1.73	5	.60	.	.	.	.	.	.	.	.	.	.	.	.	.	28.30*
17	AUG78	69HLCVC	.	2A	121	.	280.2	284.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	H	2A	120	5.4	10.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	H	2A	121	5.4	10.1	18.0	24.9	1	7.4	27	.0	26.	6	.	.	.	.	.	.	.	.	.	.
17	AUG78	612 LN S	H	2A	121	5.4	10.1	18.0	24.9	1	7.4	27	.0	26.	6	.	.	.	.	.	.	.	.	.	.
17	AUG78	613CLDPM	Y	2A	121	.	285.2	286.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	.	2A	121	26.9	.	1.955	.	1	.102	.	47.	35	45.1	8	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV	.	2A	222	-0.10	-0.20	-2.60	4.90	-3	.80	-7.	00	-7.3	0	.	.	.	.	.	.	.	.	.	-7.60*
17	AUG78	62 1.6HV	.	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	.	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HV	.	2A	222	-14.40	-18.20	21.00	1.90	-24	.60	-30.	80	-31.0	0	.	.	.	.	.	.	.	.	.	-31.00*
17	AUG78	65 .4HV	.	2A	222	-24.60	-27.80	31.50	0.20	-33	.20	-36.	80	-35.9	0	.	.	.	.	.	.	.	.	.	-36.10*
17	AUG78	664.75HH	.	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	.	2A	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	L	2A	221	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	28.30*
17	AUG78	69HLCVC	.	2A	222	281.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	H	2A	220	5.4	10.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	H	2A	222	6.0	14.9	26.1	30.4	2	2.7	29	.8	26.	9	.	.	.	.	.	.	.	.	.	.
17	AUG78	612 LN S	H	2A	222	6.0	14.9	26.1	30.4	2	2.7	29	.8	26.	9	.	.	.	.	.	.	.	.	.	.
17	AUG78	613CLDPM	Y	2A	222	289.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	.	2A	222	29.0	.	.	.	.	.	.	47.	35	45.1	8	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV	.	2X	111	1.10	.	-2.80	7.20	-6	.50	-10.	50	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	12 1.6HV	.	2X	111	-2.20	-6.40	10.10	1.60	-17	.20	-16.	10	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	.	2X	111	-21.00	-22.20	24.90	4.00	-25	.40	-27.	80	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HV	.	2X	111	-18.80	-20.10	23.00	1.70	-25	.20	-27.	70	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	15 .4HV	.	2X	111	-31.00	-32.40	36.10	7.90	-41	.30	-46.	90	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	164.75HH	.	2X	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	.	2X	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	B	2X	111	.	1.36	1.51	1.61	3	.45	.	.	.	.	.	.	.	.	.	.	.	.	26.79*	
2	AUG78	19HLCVC	.	2X	111	.	281.0	284.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	H	2X	110	4.7	4.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	2X	111	4.4	4.6	6.9	15.8	1	3.5	25	.9	26.	5	.	.	.	.	.	.	.	.	.	.
2	AUG78	112 LN S	M	2X	111	4.4	4.6	6.9	15.8	1	3.5	25	.9	26.	5	.	.	.	.	.	.	.	.	.	.
2	AUG78	113CLDPM	H	2X	111	.	286.2	285.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5	.	2X	111	25.1	.	0.098	.944	0	.	49.	24	45.1	6	.	.	.	.	.	.	.	.	.	.
2	AUG78	1113.3VV	.	2X	212	0.10	0.10	-3.10	7.20	-6	.20	-10.	60	-11.7	0	.	.	.	.	.	.	.	.	.	.
2	AUG78	12 1.6HV	.	2X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	.	2X	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HV	.	2X	212	-13.30	-15.61	19.30	8.70	-21	.79	-30.	90	-27.3	0	.	.	.	.	.	.	.	.	.	.
2	AUG78	15 .4HV	.	2X	212	-26.36	-28.34	32.64	5.10	-37	.30	-44.	00	-42.9	0	.	.	.	.	.	.	.	.	.	.
2	AUG78	164.75HH	.	2X	212	7.52	1.35	-1.51	4.53	-5	.86	-9.	68	-10.0	8	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	.	2X	212	-6.69	-10.32	15.43	7.62	-19	.17	-23.	06	-23.1	7	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	B	2X	211	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26.79*
2	AUG78	19HLCVC	.	2X	212	273.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	H	2X	210	4.7	4.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	2X	212	4.4	4.6	6.9	15.8	1	3.5	25	.9	26.	5
2	AUG78	112 LN S	M	2X	212	4.4	4.6	6.9	15.8	1	3.5	25	.9	26.	5

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11	AUG78	42	1.6HH	ZX	110
11	AUG78	43	1.6HV	ZX	110
11	AUG78	44	.4HH	ZX	110
11	AUG78	45	.4HV	ZX	110
11	AUG78	46	.75HH	ZX	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	47	.75HV	ZX	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48	H	B	2X	111	1.62	1.77	1.60	-	.50	.	.	.	.	.	.	.	35.13
11	AUG78	49	LHCVC	ZX	111	290.7	294.5												
11	AUG78	50	FLD S	M	2X	110	5.1	5.5											
11	AUG78	51	LN S	M	2X	111	4.9	5.4	7.3	16.3	1	3.7	26	.3	28.	2			
11	AUG78	52	LN S	M	2X	111	4.9	5.4	7.3	16.3	1	3.7	26	.3	28.	2			
11	AUG78	53	OLDPH	H	2X	111	293.1	295.0											
11	AUG78	54	PRTS	ZX	111	36.3	0.091	0	.942		.49	24	45.1	6					
11	AUG78	55	113.3VV	ZX	212	1.10	-0.50	-2.80	6.80	-6	.00	-11.	00	-10.9	0	-11.60			
11	AUG78	52	1.6HH	ZX	210														
11	AUG78	53	1.6HV	ZX	210														
11	AUG78	54	.4HH	ZX	212	-12.50	-14.10	18.60	6.30	-17	.90	-26.	50	-23.8	0	-26.60			
11	AUG78	55	.4HV	ZX	212	-26.90	-28.50	33.40	5.30	-36	.80	-42.	80	-41.7	0	-41.50			
11	AUG78	56	.75HH	ZX	210														
11	AUG78	57	.75HV	ZX	210														
11	AUG78	58	H	B	2X	111	.	.	.	.	.	.	.	.	.	.	.	.	35.13
11	AUG78	59	LHCVC	ZX	212	280.0													
11	AUG78	60	FLD S	M	2X	210	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	61	LN S	M	2X	212	4.9	5.4	7.3	16.3	1	3.7	26	.3	28.	2			
11	AUG78	62	LN S	M	2X	212	4.9	5.4	7.3	16.3	1	3.7	26	.3	28.	2			
11	AUG78	63	OLDPH	H	2X	212	288.3												
11	AUG78	64	PRTS	ZX	212	38.00					.49	24	45.1	6					
11	AUG78	61	113.3VV	ZX	113	2.50	0.60	-2.60	5.70	-1	.90	50	50						
11	AUG78	52	1.6HH	ZX	113	1.20	7.20	11.20	2.50	-12	.50	-16.	10	.					
11	AUG78	53	1.6HV	ZX	113	10.60	23.40	23.20	4.20	-25	.50	-28.	50	.					
11	AUG78	54	.4HH	ZX	113	10.20	16.40	18.20	0.20	-20	.40	-27.	00	.					
11	AUG78	55	.4HV	ZX	113	27.10	30.70	34.50	6.90	-39	.50	-47.	00	.					
11	AUG78	56	.75HH	ZX	111	6.52	1.90	2.59	5.03	-7	.36	-11.	25	.					
11	AUG78	57	.75HV	ZX	111	5.04	-11.22	17.32	8.45	-20	.27	-23.	76	.					
11	AUG78	58	H	B	2X	111	1.59	1.58	1.68	3	.58	.	.	.	.	.	.	.	29.35
11	AUG78	59	LHCVC	ZX	113	287.0	292.4												
11	AUG78	60	FLD S	M	2X	110	4.2	4.9											
11	AUG78	61	LN S	M	2X	111	3.9	4.6	7.5	17.2	1	4.0	26	.2	28.	1			
11	AUG78	62	LN S	M	2X	111	3.9	4.6	7.5	17.2	1	4.0	26	.2	28.	1			
11	AUG78	63	OLDPH	H	2X	113	251.2	293.9											
11	AUG78	64	PRTS	ZX	111	27.3	0.087	0	.942		.49	24	45.1	6					
11	AUG78	61	113.3VV	ZX	212	3.40	0.30	-3.60	5.40	-5	.10	-10.	30	-11.5	0	-11.70			
11	AUG78	52	1.6HH	ZX	210														
11	AUG78	53	1.6HV	ZX	210														
11	AUG78	54	.4HH	ZX	212	-16.90	-17.80	21.60	1.60	-23	.60	-29.	50	-30.3	0	-28.80			
11	AUG78	55	.4HV	ZX	212	-27.10	-29.60	34.80	7.30	-39	.10	-43.	00	-42.6	0	-35.90			
11	AUG78	56	.75HH	ZX	210														
11	AUG78	57	.75HV	ZX	210														
11	AUG78	58	H	B	2X	111	.	.	.	.	.	.	.	.	.	.	.	.	29.35
11	AUG78	59	LHCVC	ZX	212	276.9													
11	AUG78	60	FLD S	M	2X	210	4.2	4.9											
11	AUG78	61	LN S	M	2X	212	3.9	4.6	7.5	17.2	1	4.0	26	.2	28.	1			
11	AUG78	62	LN S	M	2X	212	3.9	4.6	7.5	17.2	1	4.0	26	.2	28.	1			
11	AUG78	63	OLDPH	H	2X	212	265.6												
11	AUG78	64	PRTS	ZX	212	29.2					.49	24	45.1	6					
11	AUG78	61	113.3VV	ZX	111	-2.00	-3.70	-5.70	7.90	-5	.60	-6.	50	-10.4	0	-10.30			
11	AUG78	62	1.6HH	ZX	111	-1.60	-4.90	-7.20	6.30	-3	.50	-1.	10	-10.0	0	-15.10			
11	AUG78	63	1.6HV	ZX	111	-16.60	-20.50	21.10	0.70	-18	.70	-20.	90	-22.2	0	-25.00			
11	AUG78	64	.4HH	ZX	111	-16.10	-17.00	15.30	0.80	-18	.70	-30.	10	-27.5	0	-21.20			

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17	AUG78	65 .4HV	2X	111	-29.60	-34.60	-34.80	-2	4.60	-38	.00	-41	60	-40.7	0	-37.70*	
17	AUG78	664.75HH	2X	111	3.93	6.64	13.27	-1	4.62	-13	.23	-3	59	-9.7	5	-11.65*	
17	AUG78	674.75HV	2X	111	-5.60	-9.90	15.50	-1	7.96	-19	.20	-23	50	-24.8	0	-25.80*	
17	AUG78	68 H	B	2X	111	.	0.58	.	1.04	2	.29	.	.	.	.	30.72*
17	AUG78	69HLHCVC	2X	111	.	285.5	293.5	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	2X	110	5.0	6.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	111	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*	
17	AUG78	612 LN S	M	2X	111	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*	
17	AUG78	613OLDPM	H	2X	111	.	290.5	293.9	.	.	.	.	.	.	.	*
17	AUG78	614 PRT5	H	2X	111	29.6	.	0.092	.	0	.949	.	49.	24	45.1	6	*
17	AUG78	6113.3VV	2X	212	-2.70	-3.00	4.60	-	7.30	-5	.80	-9.	00	-10.1	0	-11.00*	
17	AUG78	62.1.6HH	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	65 .4HV	2X	212	-16.40	-16.30	11.60	-	0.40	-16	.27	-27.	40	-25.9	0	-13.84*	
17	AUG78	65 .4HV	2X	212	-28.70	-21.50	34.40	-2	4.40	-37	.20	-48.	73	-42.0	0	-34.10*	
17	AUG78	664.75HH	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV	2X	210	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 H	B	2X	211	.	.	.	.	.	.	.	.	.	.	30.72*
17	AUG78	69HLHCVC	2X	212	282.2	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLO S	M	2X	210	5.0	6.5	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	212	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*	
17	AUG78	612 LN S	M	2X	212	4.9	6.4	8.6	18.2	1	4.2	25	.9	28.	0	*	
17	AUG78	613OLDPM	H	2X	212	289.5	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRT5	H	2X	212	23.4	49.	24	45.1	6	*
2	AUG78	1113.3VV	2X	121	1.30	-0.10	3.10	-1	5.20	-5	.60	-10.	10	-11.2	0	*	
2	AUG78	12 1.6HH	2X	121	-2.30	-6.30	9.90	-1	0.60	-14	.20	-17.	20	-18.4	0	*	
2	AUG78	13 1.6HV	2X	121	-20.20	-22.60	22.60	-2	2.60	-23	.90	-27.	70	-27.1	0	*	
2	AUG78	14 .4HV	2X	121	-14.50	-14.30	19.10	-1	8.90	-22	.80	-31.	30	-30.5	0	*	
2	AUG78	15 .4HV	2X	121	-26.30	-28.80	33.80	-3	6.20	-40	.00	-47.	10	-44.5	0	*	
2	AUG78	164.75HH	2X	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV	2X	120	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 H	B	2X	121	.	1.55	1.70	1.78	3	.56	.	.	.	.	26.56*
2	AUG78	19HLHCVC	2X	121	.	280.4	285.6	.	.	.	.	.	.	.	.	*
2	AUG78	110FLO S	M	2X	120	4.7	4.8	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	121	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*	
2	AUG78	112 LN S	M	2X	121	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*	
2	AUG78	113OLDPM	I	2X	121	.	283.9	286.6	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	I	2X	121	26.9	.	0.098	.	0	.943	.	49.	24	45.1	6	*
2	AUG78	1113.3VV	I	222	0.80	0.10	3.30	-	6.80	-6	.10	-9.	40	-10.5	0	-12.00*	
2	AUG78	12 1.6HH	2X	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV	2X	220	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	15 .4HV	2X	222	-10.40	-13.00	18.40	-1	6.60	-21	.80	-29.	70	-29.2	0	-29.80*	
2	AUG78	15 .4HV	2X	222	-28.20	-28.90	33.50	-3	5.70	-39	.80	-47.	50	-43.7	0	-44.60*	
2	AUG78	164.75HH	2X	222	7.72	2.41	1.20	-	3.94	-5	.62	-8.	62	-11.9	5	-12.78*	
2	AUG78	174.75HV	2X	222	-6.31	-9.92	14.90	-1	8.21	-19	.49	-23.	32	-23.9	9	-26.02*	
2	AUG78	18 H	B	2X	221	.	.	.	.	.	.	.	.	.	.	28.56*
2	AUG78	19HLHCVC	2X	222	274.4	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLO S	M	2X	220	4.7	4.8	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	2X	222	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*	
2	AUG78	112 LN S	M	2X	222	5.2	5.2	7.8	23.1	1	3.6	32	.9	34.	1	*	
2	AUG78	113OLDPM	I	2X	222	279.5	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5	I	2X	222	29.1	49.	24	45.1	6	*
5	AUG78	2113.3VV	2X	121	3.20	0.40	-2.40	-	5.90	-5	.00	-9.	90	-11.8	0	-12.80*	
5	AUG78	22 1.6HH	2X	121	-2.00	-6.50	10.50	-1	1.40	-12	.60	-17.	10	-19.5	0	-21.20*	
5	AUG78	23 1.6HV	2X	121	-18.80	-20.70	19.30	-2	0.00	-21	.70	-24.	30	-26.1	0	-26.40*	
5	AUG78	24 .4HV	2X	121	-14.20	-14.50	21.90	-2	1.50	-23	.10	-30.	70	-30.6	0	-30.10*	
5	AUG78	25 .4HV	2X	121	-29.70	-30.80	35.60	-3	6.70	-41	.70	-48.	60	-45.3	0	-44.60*	
5	AUG78	264.75HH	2X	121	5.53	0.23	4.24	-	7.13	-7	.95	-10.	96	-11.5	3	-15.23*	
5	AUG78	274.75HV	2X	121	-5.29	-9.74	17.29	-1	9.01	-21	.65	-24.	27	-24.1	3	-27.41*	

5	AUG78	28 M	B	2X	121	.	1.38	1.49	1.65	3	.47	.	.	.	.	.	.	.	24.02*
5	AUG78	29HLHCVC		2X	121	.	273.2	278.4	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	2X	120	5.5	5.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	2X	121	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.	.	.	.
5	AUG78	212 LN S	M	2X	121	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.	.	.	.
5	AUG78	213OLDPM	I	2X	121	.	277.4	279.1	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS		2X	121	22.7	.	0.133	0	.948	.	49.	24	45.1	6	.	.	.	.
5	AUG78	2113.3VV		2X	222	1.60	-0.10	-3.80	-	6.80	-6	.20	-9.	20	.	.	.	.	.
5	AUG78	22 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH		2X	222	-13.80	-17.10	-19.80	-2	1.30	-23	.50	-30.	90	.	.	.	.	.
5	AUG78	25 .4HV		2X	222	-22.50	-31.20	-35.00	-3	5.50	-40	.40	-47.	30	.	.	.	.	.
5	AUG78	264.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28 M	B	2X	221	.	.	.	.	.	.	.	.	.	.	.	.	.	24.02*
5	AUG78	29HLHCVC		2X	222	273.2	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	M	2X	220	5.5	5.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	2X	222	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.	.	.	.
5	AUG78	212 LN S	M	2X	222	6.0	5.5	8.4	22.4	1	3.1	32	.1	33.	7	.	.	.	.
5	AUG78	213OLDPM	I	2X	222	279.6	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS		2X	222	23.5	.	.	.	.	.	49.	24	45.1	6	.	.	.	.
5	AUG78	3113.3VV		2X	121	5.90	4.30	0.40	-	2.70	-2	.30	-6.	90	-8.7	0	-9.00*	.	.
5	AUG78	32 1.6HH		2X	121	5.70	-0.20	-3.90	-	5.00	-9	.00	-11.	40	-14.0	0	-16.10*	.	.
5	AUG78	33 1.6HV		2X	121	-17.20	-15.80	-18.70	-2	7.60	-21	.70	-23.	10	-22.	0	-23.40*	.	.
5	AUG78	34 .4HH		2X	121	-13.17	-12.90	-19.10	-2	1.40	-24	.80	-31.	70	-29.9	0	-27.10*	.	.
5	AUG78	35 .4HV		2X	121	-26.10	-30.88	-37.70	-4	3.28	-60	.30	-53.	95	-48.8	8	-49.30*	.	.
5	AUG78	364.75HH		2X	121	8.66	5.08	0.56	-	2.58	-3	.71	.5.	69	-8.6	8	-10.53*	.	.
5	AUG78	374.75HV		2X	121	-1.91	-9.64	-13.89	-1	4.55	-17	.28	-19.	94	-19.1	0	-22.70*	.	.
5	AUG78	38 M	B	2X	121	.	1.20	1.30	3.50	6	.55	.	.	.	.	.	.	.	20.56*
5	AUG78	39HLHCVC		2X	121	.	252.3	255.3	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	2X	120	10.0	5.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	2X	121	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	312 LN S	M	2X	121	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	313OLDPM	I	2X	121	.	257.4	256.9	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		2X	121	18.4	.	1.927	1	.077	.	49.	24	45.1	6	.	.	.	.
5	AUG78	3113.3VV		2X	222	5.30	4.10	0.10	-	3.20	-2	.90	-7.	20	-9.8	0	-11.00*	.	.
5	AUG78	32 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	33 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	34 .4HH		2X	222	-10.40	-13.10	-18.30	-1	8.10	-19	.80	-28.	60	-26.4	0	-26.60*	.	.
5	AUG78	35 .4HV		2X	222	-24.90	-22.60	-34.90	-3	8.58	-45	.10	-51.	50	-48.3	0	-49.20*	.	.
5	AUG78	364.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	374.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	38 M	B	2X	221	.	.	.	.	.	.	.	.	.	.	.	.	.	20.56*
5	AUG78	39HLHCVC		2X	222	245.7	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	310FLD S	M	2X	220	10.0	5.6	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	311 LN S	M	2X	222	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	312 LN S	M	2X	222	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	313OLDPM	I	2X	222	249.6	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	314 PRTS		2X	222	19.9	.	.	.	.	.	49.	24	45.1	6	.	.	.	.
11	AUG78	4113.3VV		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		2X	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 M	B	2X	121	.	1.61	1.75	1.87	3	.95	39.82*
11	AUG78	49HLHCVC		2X	121	.	289.5	294.6
11	AUG78	210FLD S	M	2X	120	5.1

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11	AUG78	411 LN S	M	2X	121	5.4	5.6	8.3	21.8	1	2.5	31	.8	34.	0	*	
11	AUG78	412 LN S	M	2X	121	5.4	5.6	8.3	21.8	1	2.5	31	.8	34.	0	*	
11	AUG78	413OLDPM	I	2X	121	.	293.8	297.2	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	I	2X	121	36.9	.	0.088	0	.941	.	49.	24	45.1	6	*	
11	AUG78	4113.3VV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.75HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	B	2X	221	.	.	.	.	.	.	.	.	.	39.82	*
11	AUG78	49HLHCVC		2X	222	282.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	2X	220	5.1	5.5	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	2X	222	5.3	5.6	8.1	20.5	1	3.4	29	.5	31.	4	*	
11	AUG78	412 LN S	M	2X	222	5.3	5.6	8.1	20.5	1	3.4	29	.5	31.	4	*	
11	AUG78	413OLDPM	I	2X	222	290.9	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS	I	2X	222	38.4	.	.	.	.	.	49.	24	45.1	6	*
14	AUG78	5113.3VV		2X	123	3.20	1.10	-3.30	-	4.90	-5	.00	-10.	10	-10.8	0	-11.10*
14	AUG78	52 1.6HH		2X	123	-34.10	-17.60	10.40	-1	1.40	-12	.70	-17.	70	-20.4	0	-22.90*
14	AUG78	53 1.6HV		2X	123	-20.10	-23.90	22.60	-2	3.40	-24	.60	-26.	20	-26.7	0	-29.80*
14	AUG78	54 .4HH		2X	123	-11.80	-13.78	19.80	-2	0.64	-20	.28	-26.	60	-28.6	8	-29.44*
14	AUG78	55 .4HV		2X	123	-26.57	-28.27	33.13	-3	4.57	-38	.65	-43.	45	-43.4	3	-41.90*
14	AUG78	564.75XH		2X	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		2X	120	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 H	B	2X	121	.	1.44	1.60	1.89	4	.00	.	.	.	30.25	*	
14	AUG78	59HLHCVC		2X	123	.	286.3	292.4	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	2X	120	4.2	4.9	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	2X	121	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*	
14	AUG78	512 LN S	M	2X	121	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*	
14	AUG78	513OLDPM	I	2X	123	.	290.5	292.7	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	I	2X	123	32.9	.	0.292	0	.964	.	49.	24	45.1	6	*	
14	AUG78	5113.3VV		2X	222	3.10	1.00	-2.80	-	4.90	-4	.70	-9.	80	-10.5	0	-12.30*
14	AUG78	52 1.6HH		2X	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		2X	220	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		2X	222	-12.10	-13.30	19.90	-2	0.60	-22	.10	-30.	60	-28.0	0	-28.30*
14	AUG78	55 .4HV		2X	222	-23.60	-26.30	34.60	-3	5.50	-39	.50	-43.	70	-41.8	0	-41.10*
14	AUG78	564.75HH		2X	222	7.00	2.16	-2.19	-	5.26	-6	.22	-11.	18	-12.1	4	-14.15*
14	AUG78	574.75HV		2X	222	-4.48	-9.22	16.68	-1	7.61	-20	.15	-22.	14	-23.7	3	-27.44*
14	AUG78	58 H	B	2X	221	.	.	.	.	.	.	.	.	.	.	30.25*
14	AUG78	59HLHCVC		2X	221	278.9	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	2X	220	4.2	4.9	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	2X	222	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*	
14	AUG78	512 LN S	M	2X	222	4.6	5.2	8.3	21.6	1	2.3	31	.5	34.	0	*	
14	AUG78	513OLDPM	I	2X	222	286.1	.	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS	I	2X	222	30.7	.	.	.	.	.	49.	24	45.1	6	*
17	AUG78	6113.3VV		2X	121	-1.80	-3.20	-5.20	-	7.20	-5	.80	-7.	50	-9.2	0	-10.90*
17	AUG78	62 1.6HH		2X	121	-3.70	-6.00	-7.40	-	4.10	-5	.30	-4.	50	-7.7	0	-15.50*
17	AUG78	63 1.6HV		2X	121	-17.90	-20.20	19.60	-1	8.00	-19	.70	-21.	40	-20.7	0	-25.00*
17	AUG78	64 .4HH		2X	121	-15.50	-15.20	13.90	-	0.20	-16	.30	-25.	50	-25.6	0	-28.10*
17	AUG78	65 .4HV		2X	121	-27.07	-30.42	33.82	-2	7.12	-29	.77	-44.	32	-47.6	2	-40.00*
17	AUG78	664.75HH		2X	121	4.63	1.37	-2.53	-	5.07	-4	.26	-6.	52	-10.9	5	-12.39*
17	AUG78	674.75HV		2X	121	-4.58	-10.05	14.78	-1	6.74	-18	.01	-22.	01	-22.8	2	-24.77*
17	AUG78	68 H	B	2X	121	.	0.93	1.04	1.12	2	.42	.	.	.	.	32.29*
17	AUG78	69HLHCVC		2X	121	.	287.1	292.9	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	2X	120	5.0	6.2	.	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	2X	121	5.3	5.9	7.9	20.8	1	1.3	31	.1	34.	0	*	
17	AUG78	612 LN S	M	2X	121	5.3	5.9	7.9	20.8	1	1.3	31	.1	34.	0	*	
17	AUG78	613OLDPM	I	2X	121	.	492.2	295.3	*	

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17	AUG78	614	PRTS	2X	121	31.5		0.092	0	.948		.49	24	45.1	6	*	
17	AUG78	6113	3VV	2X	222	-3.50	-5.30			7.80	=6	.00	70	-9.9	0	-11.10*	
17	AUG78	62	1.6HH	2X	220	.	.			.		.	.	.	.	*
17	AUG78	63	1.6HV	2X	220	.	.			.		.	.	.	.	*
17	AUG78	64	1.6HH	2X	222	-15.50	-15.10	13.50		0.50	=16	.50	90	-26.9	0	-16.30*	
17	AUG78	65	1.4HV	2X	222	-30.50	-22.20	31.50	-2	0.02	=36	.00	00	-43.6	0	-39.70*	
17	AUG78	654	.75HH	2X	220	.	.			.		.	.	.	.	*
17	AUG78	674	.75HV	2X	220	.	.			.		.	.	.	.	*
17	AUG78	68	M	2	2X	221	.	.		.		.	.	.	.	32.29*
17	AUG78	69	HLHCVC	2X	222	279.9	.	.		.		.	.	.	.	*
17	AUG78	610	FLD S	M	2X	220	5.0	6.3		.		.	.	.	.	*
17	AUG78	611	LN S	M	2X	222	5.3	7.9	20.8	1	1.3	31	.1	34.	0	*	
17	AUG78	612	LN S	M	2X	222	5.3	7.9	20.2	1	1.5	31	.1	34.	0	*	
17	AUG78	6130	LDPA	I	2X	222	287.4	.	.	.		.	.	.	.	*
17	AUG78	614	PRTS	2X	222	34.5	.	.		.		.49	24	45.1	6	*
2	AUG78	1113	3VV	2X	141	1.00	-1.30	-5.70		7.50	=6	.80	20	-11.2	0	-12.20*	
2	AUG78	12	1.6HH	2X	141	-7.20	-10.50	13.10	-1	4.70	=16	.50	60	-20.5	0	-22.60*	
2	AUG78	13	1.6HV	2X	141	-20.90	-22.40	25.00	-2	5.00	=24	.30	80	-29.4	0	-30.30*	
2	AUG78	14	1.4HH	2X	141	-18.25	-20.85	21.20	-2	3.10	=24	.70	31.	60	-29.9	0	-32.80*
2	AUG78	15	1.4HV	2X	141	-27.50	-28.70	37.80	-4	0.00	=43	.60	80	-49.4	0	-48.90*	
2	AUG78	164	.75HH	2X	140	.	.			.		.	.	.	.	*
2	AUG78	174	.75HV	2X	140	.	.			.		.	.	.	.	*
2	AUG78	18	M	B	2X	141	.	.		.		.	.	.	.	28.56*
2	AUG78	19	HLHCVC	2X	141	.	280.7	286.3		.		.	.	.	.	*
2	AUG78	110	FLD S	M	2X	140	4.7	5.6		.		.	.	.	.	*
2	AUG78	111	LN S	M	2X	141	4.7	7.3	19.5	1	3.6	29	.4	31.	3	*	
2	AUG78	112	LN S	M	2X	141	4.7	7.3	19.5	1	3.6	29	.4	31.	3	*	
2	AUG78	1130	LDPA	J	2X	141	.	283.9	286.5			.	.	.	.	*
2	AUG78	114	PRTS	2X	141	27.3	.	.		.		.49	24	45.1	6	*
2	AUG78	1113	3VV	2X	242	0.90	-1.40	-6.10		6.70	=7	.00	30	-11.2	0	-11.70*	
2	AUG78	12	1.6HH	2X	240	.	.			.		.	.	.	.	*
2	AUG78	13	1.6HV	2X	240	.	.			.		.	.	.	.	*
2	AUG78	14	1.4HH	2X	242	-14.10	-17.80	21.50	-2	3.00	=23	.40	00	-31.3	0	-32.00*	
2	AUG78	15	1.4HV	2X	242	-24.90	-26.40	34.40	-3	9.10	=42	.00	20	-46.8	0	-45.40*	
2	AUG78	164	.75HH	2X	240	.	.			.		.	.	.	.	*
2	AUG78	174	.75HV	2X	240	.	.			.		.	.	.	.	*
2	AUG78	18	M	B	2X	241	.	.		.		.	.	.	.	28.56*
2	AUG78	19	HLHCVC	2X	242	273.1	.	.		.		.	.	.	.	*
2	AUG78	110	FLD S	M	2X	240	4.7	4.8		.		.	.	.	.	*
2	AUG78	111	LN S	M	2X	242	4.7	7.3	19.5	1	3.6	29	.4	31.	3	*	
2	AUG78	112	LN S	M	2X	242	4.7	7.3	19.5	1	3.6	29	.4	31.	3	*	
2	AUG78	1130	LDPA	J	2X	242	277.2	.	.			.	.	.	.	*
2	AUG78	114	PRTS	2X	242	29.5	.	.		.		.49	24	45.1	6	*
5	AUG78	2113	3VV	2X	141	17.10	-0.40	-3.90		7.40	=6	.50	70	.	.	*	
5	AUG78	22	1.6HH	2X	141	-4.50	-7.90	11.30	-1	3.10	=14	.70	30	.	.	*	
5	AUG78	23	1.6HV	2X	141	-18.50	-19.90	22.60	-2	2.60	=23	.90	70	.	.	*	
5	AUG78	24	1.4HH	2X	141	-12.93	-15.40	21.00	-2	3.20	=25	.30	80	.	.	*	
5	AUG78	25	1.4HV	2X	141	-25.12	-26.81	35.48	-3	6.83	=42	.22	05	.	.	*	
5	AUG78	254	.75HH	2X	140	.	.			.		.	.	.	.	*
5	AUG78	274	.75HV	2X	140	.	.			.		.	.	.	.	*
5	AUG78	28	M	B	2X	141	.	.		.		.	.	.	.	24.02*
5	AUG78	29	HLHCVC	2X	141	.	275.8	280.5		.		.	.	.	.	*
5	AUG78	210	FLD S	M	2X	140	5.5	5.6		.		.	.	.	.	*
5	AUG78	211	LN S	M	2X	141	5.8	7.9	18.7	1	3.6	30	.0	32.	6	*	
5	AUG78	212	LN S	M	2X	141	5.8	7.9	18.7	1	3.6	30	.0	32.	6	*	
5	AUG78	2130	LDPA	J	2X	141	.	279.7	281.0			.	.	.	.	*
5	AUG78	214	PRTS	2X	141	22.749	24	45.1	6	*	
5	AUG78	2113	3VV	2X	242	0.40	-1.40	-4.90		7.80	=7	.20	10	.	.	*	
5	AUG78	22	1.5HH	2X	240	*	

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5	AUG78	23	1.6HV	2X	240
5	AUG78	24	.4HH	2X	242	-14.90	-18.10	-	22.80	-2	5.20	-26	.80	-33.	00
5	AUG78	25	.4HV	2X	242	-25.90	-27.50	-	36.20	-3	7.60	-42	.30	-46.	50
5	AUG78	26	.75HH	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	27	.75HV	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28	M	B	2X	242	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	24.02*
5	AUG78	29	HLCVC	2X	242	265.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210	FLO S	K	2X	240	5.5	6.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211	LN S	M	2X	242	5.5	5.6	7.6	18.5	1	3.5	28	.7	30.	7	.	.	.	.	.	.	.	.
5	AUG78	212	LN S	M	2X	242	5.5	5.6	7.6	18.6	1	3.5	28	.7	30.	7	.	.	.	.	.	.	.	.
5	AUG78	2130	LDPH	J	2X	242	275.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214	PRT5	2X	242	24.5	.	.	.	.	.	.	49.	24	45.1	6	.	.	.	.	.	.	.	.
8	AUG78	3113	.3VV	2X	141	4.30	2.10	-1.70	-	5.30	-4	.20	-9.	40	-10.4	0	-9.00*	.	.	.	.	.	.	.
8	AUG78	32	1.6HH	2X	141	-3.20	-7.10	-9.60	-1	1.40	-14	.30	-17.	90	-19.1	0	-20.90*	.	.	.	.	.	.	.
8	AUG78	33	1.6HV	2X	141	-18.40	-20.20	-21.80	-2	2.30	-23	.30	-24.	90	-26.1	0	-25.90*	.	.	.	.	.	.	.
8	AUG78	34	.4HH	2X	141	-13.50	-17.10	-21.90	-2	3.90	-25	.80	-34.	40	-33.1	0	-33.25*	.	.	.	.	.	.	.
8	AUG78	35	.4HV	2X	141	-26.10	-30.40	-35.90	-4	3.40	-47	.40	-55.	60	-50.8	0	-51.40*	.	.	.	.	.	.	.
8	AUG78	36	.75HH	2X	140	17.50	11.60	6.50	-	4.10	2	.40	-1.	40	-3.6	0	-4.90*	.	.	.	.	.	.	.
8	AUG78	37	.75HV	2X	140	15.30	8.80	5.40	-	1.90	1	.20	-4.	10	-4.9	0	-5.60*	.	.	.	.	.	.	.
8	AUG78	38	M	B	2X	141	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.56*
8	AUG78	39	HLCVC	2X	141	.	251.7	255.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310	FLO S	M	2X	140	10.0	5.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311	LN S	M	2X	141	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	312	LN S	M	2X	141	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	3130	LDPH	J	2X	141	.	257.6	258.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314	PRT5	2X	141	18.5	.	.	.	.	.	.	49.	24	45.1	6	.	.	.	.	.	.	.	.
8	AUG78	3113	.3VV	2X	242	1.80	0.70	-2.40	-	5.90	-5	.20	-9.	40	-10.4	0	-10.60*	.	.	.	.	.	.	.
8	AUG78	32	1.6HH	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33	1.6HV	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34	.4HH	2X	242	-12.60	-17.80	-21.70	-2	3.50	-24	.40	-33.	40	-30.7	0	-32.50*	.	.	.	.	.	.	.
8	AUG78	35	.4HV	2X	242	-27.50	-32.00	-37.20	-4	2.60	-48	.10	-54.	70	-51.8	0	-50.50*	.	.	.	.	.	.	.
8	AUG78	36	.75HH	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	37	.75HV	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38	M	B	2X	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.55*
8	AUG78	39	HLCVC	X	242	242.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310	FLO S	M	2X	240	10.0	5.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311	LN S	M	2X	242	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	312	LN S	M	2X	242	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	3130	LDPH	J	2X	242	249.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314	PRT5	2X	242	20.1	.	.	.	.	.	.	49.	24	45.1	6	.	.	.	.	.	.	.	.
11	AUG78	4113	.3VV	2X	141	1.00	-0.70	-4.10	-	8.20	-7	.60	-10.	20	-12.2	0	-9.10*	.	.	.	.	.	.	.
11	AUG78	42	1.6HH	2X	141	-9.30	-12.50	-15.40	-1	7.00	-18	.10	-21.	20	-22.6	0	-25.40*	.	.	.	.	.	.	.
11	AUG78	43	1.6HV	2X	141	-20.10	-21.50	-25.10	-2	5.50	-27	.60	-29.	90	-30.4	0	-30.90*	.	.	.	.	.	.	.
11	AUG78	44	.4HH	2X	141	-13.25	-16.40	-20.95	-2	1.70	-22	.35	-31.	52	-28.9	2	-30.65*	.	.	.	.	.	.	.
11	AUG78	45	.4HV	2X	141	-24.40	-28.10	-33.90	-3	7.00	-40	.40	-48.	60	-46.2	0	-46.50*	.	.	.	.	.	.	.
11	AUG78	46	.75HH	2X	140	16.40	10.70	5.40	-	2.30	0	.50	-3.	20	-5.7	0	-7.20*	.	.	.	.	.	.	.
11	AUG78	47	.75HV	2X	140	11.60	4.60	0.40	-	3.70	-4	.90	-9.	90	-10.5	0	-13.10*	.	.	.	.	.	.	.
11	AUG78	48	M	B	2X	141	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35.82*
11	AUG78	49	HLCVC	2X	141	.	289.6	295.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410	FLO S	M	2X	140	5.1	5.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411	LN S	M	2X	141	5.1	5.5	7.7	18.7	1	3.2	28	.7	30.	7	.	.	.	.	.	.	.	.
11	AUG78	412	LN S	M	2X	141	5.1	5.5	7.7	18.7	1	3.2	28	.7	30.	7	.	.	.	.	.	.	.	.
11	AUG78	4130	LDPH	J	2X	141	.	293.7	295.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414	PRT5	2X	141	37.2	.	.	.	.	.	.	49.	24	45.1	6	.	.	.	.	.	.	.	.
11	AUG78	4113	.3VV	2X	242	0.10	-1.20	-4.40	-	8.30	-7	.50	-11.	90	-12.4	0	-12.80*	.	.	.	.	.	.	.
11	AUG78	42	1.6HH	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43	1.6HV	2X	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44	.4HH	2X	242	-16.10	-19.40	-20.40	-2	0.30	-20	.50	-26.	20	-27.7	0	-31.20*	.	.	.	.	.	.	.
11	AUG78	45	.4HV	2X	242	-24.80	-29.50	-33.00	-3	5.20	-39	.50	-46.	10	-45.3	0	-44.80*	.	.	.	.	.	.	.

OFFICE OF THE...

17	AUG78	69HLHCVC	2X	242	282.6																*
17	AUG78	610FLD S	2X	240	5.0																*
17	AUG78	611 LN S	M	242	5.0	6.2		8.3	19.3	1	2.9	28	.2	30.	6						*
17	AUG78	612 LN S	M	242	5.0	6.2		8.3	19.3	1	2.9	28	.2	30.	0						*
17	AUG78	613OLDPM	J	242	250.3																*
17	AUG78	614 PRTS	2X	242	33.9							49.	24	45.1	6						*
2	AUG78	1113.3VV	20	131	9.60	7.60		2.10	0.10	0	.10	45.	87	47.6	0						*-8.00*
2	AUG78	12 1.6HH	20	131	7.90	5.90		3.20	4.00			5.	20	18.0	0						*-9.90*
2	AUG78	13 1.6HV	20	131	-14.50	-13.40		12.10	1.20	-13	.10	-15.	60	-18.1	0						*-18.10*
2	AUG78	14 .4HH	20	131	-14.47	-16.17		10.01	1.20	-21	.10	-27.	60	-26.9	0						*-22.70*
2	AUG78	15 .4HV	20	131	-25.29	-28.16		30.49	2.58	-35	.68	-38.	06	-39.4	2						*-34.42*
2	AUG78	164.75HH	20	130																	*
2	AUG78	174.75HV	20	130																	*
2	AUG78	18 M	R	20	131		0.83	0.54	1.67	6	.92										22.49*
2	AUG78	19HLHCVC	20	131		243.9		247.8													*
2	AUG78	110FLD S	M	20	130	27.6	24.6														*
2	AUG78	111 LN S	M	20	131																*
2	AUG78	112 LN S	M	20	131																*
2	AUG78	113OLDPM	O	20	131		248.3	248.6													*
2	AUG78	114 PRT5	20	131	21.0			3.134	.164	1		40.	15	35.9	1						*
2	AUG78	1113.3VV	20	232	12.20	9.40		2.50	0.30	-0	.70	-6.	30	-8.2	0						*-8.40*
2	AUG78	12 1.6HH	20	230																	*
2	AUG78	13 1.6HV	20	230																	*
2	AUG78	14 .4HH	20	232	-10.30	-13.50		-7.80	8.40	-18	.30	-24.	10	-25.0	0						*-19.90*
2	AUG78	15 .4HV	20	232	-23.60	-26.50		29.70	1.80	-31	.10	-37.	40	-37.3	0						*-32.90*
2	AUG78	164.75HH	20	232	14.73	15.35		11.37	7.39	4	.23	1.	90	-2.9	0						*-6.29*
2	AUG78	174.75HV	20	232	-2.56	-2.28		-8.01	8.25	-9	.84	-14.	06	-13.8	7						*-17.55*
2	AUG78	18 M	R	20	231																22.49*
2	AUG78	19HLHCVC	20	232	224.9																*
2	AUG78	110FLD S	M	20	230	27.6	24.6														*
2	AUG78	111 LN S	M	20	232																*
2	AUG78	112 LN S	M	20	232																*
2	AUG78	113OLDPM	O	20	232	223.1															*
2	AUG78	114 PRT5	20	232	22.2							40.	15	35.9	1						*
5	AUG78	2113.3VV	20	131	7.90	6.00		1.50	2.30	-2	.10	-5.	80	-7.4	0						*-6.20*
5	AUG78	22 1.6HH	20	131	4.20	2.10		-0.20	0.10	-4	.30	-8.	60	-11.9	0						*-14.00*
5	AUG78	23 1.6HV	20	131	-13.20	-14.30		12.30	1.10	-12	.40	-14.	80	-16.4	0						*-17.20*
5	AUG78	24 .4HH	20	131	-13.02	-13.90		-8.59	9.60	-21	.30	-25.	70	-26.1	0						*-22.60*
5	AUG78	25 .4HV	20	131	-26.06	-26.40		26.20	1.60	-33	.40	-40.	60	-40.1	0						*-35.80*
5	AUG78	264.75HH	20	131	10.09	8.70		3.92	1.61	6	.00	-4.	99	-7.4	9						*-8.53*
5	AUG78	274.75HV	20	131	-1.04	-6.61		-9.08	1.04	-10	.99	-15.	89	-16.7	1						*-18.53*
5	AUG78	28 M	R	20	131		0.86	0.58	1.71	7	.04										19.41*
5	AUG78	29HLHCVC	20	131		252.1		252.6													*
5	AUG78	210FLD S	M	20	130	27.6	26.4														*
5	AUG78	211 LN S	M	20	131	29.1	30.7		31.3	38.9	3	3.7	35	.5	34.	4					*
5	AUG78	212 LN S	M	20	131	29.1	30.7		31.3	38.9	3	3.7	35	.5	34.	4					*
5	AUG78	213OLDPM	O	20	131		264.1	264.7													*
5	AUG78	214 PRT5	20	131	18.5			3.153	.161	1		40.	15	35.9	1						*
5	AUG78	2113.3VV	20	232	6.80	5.50		1.20	2.50	-2	.50	-7.	20	-8.1	0						*-11.90*
5	AUG78	22 1.6HH	20	230																	*
5	AUG78	23 1.6HV	20	230																	*
5	AUG78	24 .4HH	20	232	-10.30	-14.20		10.70	0.10	-21	.50	-26.	70	-26.0	0						*-21.00*
5	AUG78	25 .4HV	20	232	-22.20	-24.60		28.10	2.60	-34	.30	-38.	60	-38.4	0						*-34.90*
5	AUG78	264.75HH	20	230																	*
5	AUG78	274.75HV	20	230																	*
5	AUG78	28 M	R	20	231																19.41*
5	AUG78	29HLHCVC	20	232	250.5																*
5	AUG78	210FLD S	M	20	230	27.6	26.4														*
5	AUG78	211 LN S	M	20	232	29.1	30.7		31.3	38.9	3	3.7	35	.5	34.	4					*

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5	AUG78	212 LN S	M	23	232	29.1	30.7	31.3	38.9	3	3.7	35	.5	34.	4	*
5	AUG78	213OLDPM	Q	23	232	257.4	*
5	AUG78	214 PRIS		20	232	19.7	.	.	.	.	.	40.	15	35.9	1	*
8	AUG78	3113.3VV		20	131	10.30	8.50	7.50	1.50	-1	.10	15.	30	-6.7	0	-6.40*
8	AUG78	32 1.6HH		20	131	7.20	5.00	2.20	2.70	-1	.50	15.	70	-9.4	0	-12.60*
8	AUG78	33 1.6HV		20	131	-14.10	-14.40	-12.90	2.70	-13	.40	-17.	10	-18.0	0	-18.40*
8	AUG78	34 .4HH		20	131	-11.55	-13.10	-17.30	6.60	-19	.90	-26.	30	-26.7	0	-21.20*
8	AUG78	35 .4HV		20	131	-23.30	-25.00	-28.60	3.30	-38	.20	-39.	10	-39.0	0	-36.20*
8	AUG78	364.75HH		20	130	21.00	19.00	15.30	1.70	10	.20	3.	50	0.9	0	-0.50*
8	AUG78	374.75HV		20	130	14.50	12.50	9.30	7.60	7	.20	1.	90	0.7	0	-1.20*
8	AUG78	38 H	R	20	131	.	0.65	0.40	1.20	5	.65	.	.	.	.	19.28*
8	AUG78	39HLHCVC		20	131	.	250.5	256.1	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	20	130	33.0	28.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	20	131	23.0	28.6	29.5	32.4	3	0.8	30	.6	29.	4	*
8	AUG78	312 LN S	M	20	131	33.0	28.6	29.5	32.4	3	0.8	30	.6	29.	4	*
8	AUG78	313OLDPM	O	20	131	.	255.6	257.8	.	.	.	.	.	.	.	*
8	AUG78	314 PRIS		20	131	17.9	.	2.607	1	.170	.	40.	15	35.9	1	*
8	AUG78	3113.3VV		20	232	10.60	8.40	3.40	1.10	-1	.40	15.	50	-6.7	0	-7.60*
8	AUG78	32 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		20	232	-10.00	-9.60	-5.30	5.30	-18	.20	-23.	20	-23.6	0	-20.10*
8	AUG78	35 .4HV		20	232	-22.20	-25.20	-26.70	3.00	-35	.90	-40.	10	-38.6	0	-36.60*
8	AUG78	364.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		20	250	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 H	R	20	231	.	.	.	.	.	.	.	.	.	.	15.28*
8	AUG78	39HLHCVC		20	232	229.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	20	230	33.0	28.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	20	232	27.1	32.2	32.7	35.1	3	3.8	33	.7	32.	9	*
8	AUG78	312 LN S	M	20	232	37.1	32.2	32.7	35.1	3	3.8	33	.7	32.	9	*
8	AUG78	313OLDPM	O	20	232	243.7	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRIS		20	232	18.6	.	.	.	.	.	40.	15	35.9	1	*
11	AUG78	4113.3VV		20	131	7.30	6.50	2.30	2.30	1	.70	15.	90	6.5	0	-6.30*
11	AUG78	42 1.6HH		20	131	2.80	2.90	0.60	0.50	-2	.50	15.	30	-11.2	0	-13.20*
11	AUG78	43 1.6HV		20	131	-14.00	-14.80	-15.10	4.00	-15	.20	-16.	70	-19.0	0	-18.80*
11	AUG78	44 .4HH		20	131	-6.00	-10.00	-4.90	3.70	-15	.40	-22.	20	-22.8	0	-20.30*
11	AUG78	45 .4HV		20	131	-19.74	-22.56	-19.95	8.03	-31	.35	-36.	45	-34.9	5	-32.68*
11	AUG78	464.75HH		20	130	23.30	22.00	18.10	5.10	13	.00	8.	00	5.1	0	4.10*
11	AUG78	474.75HV		20	130	15.00	9.30	7.90	5.40	4	.80	-0.	10	-0.6	0	-2.20*
11	AUG78	48 H	R	20	131	.	0.63	0.54	1.64	6	.90	.	.	.	.	27.96*
11	AUG78	49HLHCVC		20	131	.	266.5	272.6	.	.	.	.	.	.	.	*
11	AUG78	310FLD S	M	20	130	26.0	25.1	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	20	131	25.1	25.7	30.0	34.3	2	8.3	32	.0	32.	1	*
11	AUG78	412 LN S	M	20	131	25.1	25.7	30.0	34.3	2	8.3	32	.0	32.	1	*
11	AUG78	413OLDPM	O	20	131	.	270.4	273.4	.	.	.	.	.	.	.	*
11	AUG78	414 PRIS		20	131	26.0	.	3.124	1	.154	.	40.	15	35.9	1	*
11	AUG78	4113.3VV		20	232	7.40	6.60	2.70	1.70	-1	.30	15.	60	-6.7	0	-7.50*
11	AUG78	42 1.6HH		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		20	232	-9.70	-9.60	-5.90	4.90	-15	.30	-21.	70	-23.3	0	-20.10*
11	AUG78	45 .4HV		20	232	-21.50	-21.90	-18.30	7.80	-29	.60	-36.	10	-33.4	0	-30.70*
11	AUG78	464.75HH		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		20	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 H	R	20	231	.	.	.	.	.	.	.	.	.	.	27.96*
11	AUG78	49HLHCVC		20	232	253.1	.	.	.	.	.	.	.	.	.	*
11	AUG78	310FLD S	M	20	230	26.0	25.1	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	20	232	20.6	23.7	27.8	31.3	2	6.8	30	.1	30.	1	*
11	AUG78	412 LN S	M	20	232	20.6	23.7	27.8	31.3	2	6.8	30	.1	30.	1	*
11	AUG78	413OLDPM	O	20	232	260.2	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRIS		20	232	26.8	.	.	.	.	.	40.	15	35.9	1	*

14	AUG78	5113.3VV	20	133	5.50	3.80	10.50	3.40	1	.90	5.	50	5.4	0	-6.60*	
14	AUG78	52 1.6HH	20	133	0.20	0.80	13.50	3.00	5	.20	12.	00	14.3	0	-14.70*	
14	AUG78	53 1.6HV	20	133	-16.60	-17.20	17.00	6.90	18	.60	19.	40	20.8	0	-20.60*	
14	AUG78	54 .4HH	20	133	-10.90	-12.30	-5.10	5.00	18	.60	20.	90	21.6	0	-23.42*	
14	AUG78	55 .4HV	20	133	-24.95	-25.30	25.10	1.20	32	.70	38.	20	32.8	0	-32.50*	
14	AUG78	554.75HH	20	131	5.26	8.18	3.20	0.42	2	.65	7.	01	8.1	6	-9.02*	
14	AUG78	574.75HV	20	131	-3.98	-6.35	10.07	1.73	13	.53	16.	51	17.2	1	-19.56**	
14	AUG78	58 M	R	20	131	0.67	0.46	1.55	6	.06	.	.	.	.	26.29*
14	AUG78	59HLHCVC		20	133	.	279.7	285.3	.	.	.	.	.	.	*
14	AUG78	510FLD S	H	20	130	12.1	12.7	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	20	131	12.1	16.7	22.4	26.7	2	2.4	29	.1	28.	2	*
14	AUG78	512 LN S	M	20	131	12.1	16.7	22.4	26.7	2	2.4	29	.1	28.	2	*
14	AUG78	5130LDPM	O	20	133	.	284.6	287.1	.	.	.	.	.	.	*
14	AUG78	514 PRTS		20	133	26.3	.	2.760	1	.166	40.	15	35.9	1	*	
14	AUG78	5113.3VV		20	232	4.80	3.20	-0.60	3.30	-2	.50	45.	20	-5.6	0	-5.00*
14	AUG78	52 1.6HH		20	230	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		20	230	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		20	232	-9.80	-11.30	-5.40	5.20	-18	.10	23.	20	-24.4	0	-21.60*
14	AUG78	55 .4HV		20	232	-24.30	-25.60	-22.90	0.90	-31	.60	37.	70	-37.2	0	-32.30*
14	AUG78	554.75HH		20	230	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.75HV		20	230	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	R	20	231	.	.	.	.	.	.	.	.	.	26.29*
14	AUG78	59HLHCVC		20	232	271.5	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	H	20	230	12.1	12.7	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	20	232	12.1	16.7	22.4	26.7	2	2.4	29	.1	28.	2	*
14	AUG78	512 LN S	M	20	232	12.1	16.7	22.4	26.7	2	2.4	29	.1	28.	2	*
14	AUG78	5130LDPM	O	20	232	279.1	.	.	.	.	.	.	.	.	*
14	AUG78	514 PRTS		20	232	25.3	.	.	.	.	.	.	.	.	*
17	AUG78	6113.3VV		20	131	12.80	8.20	2.10	0.70	0	.30	40.	15	35.9	1	*
17	AUG78	52 1.6HH		20	131	5.20	5.50	3.30	2.20	-1	.80	10	9.2	0	-6.50*	
17	AUG78	53 1.6HV		20	131	-14.00	-13.20	13.30	3.60	-14	.30	16.	50	-17.6	0	-12.40*
17	AUG78	54 .4H		20	131	-11.05	-11.70	-5.50	5.90	-15	.60	24.	93	-24.1	0	-23.00*
17	AUG78	55 .4HV		20	131	-23.30	-24.00	20.90	7.80	-28	.30	32.	30	-32.6	0	-29.50*
17	AUG78	554.75HH		20	131	12.95	11.23	5.54	1.75	0	.39	4.	78	-5.6	3	-8.65*
17	AUG78	574.75HV		20	131	-2.21	-1.96	-8.62	8.90	-11	.29	14.	51	-13.6	8	-17.41*
17	AUG78	58 M	R	20	131	.	0.60	0.53	1.63	6	.99	.	.	.	24.77*	
17	AUG78	59HLHCVC		20	131	.	258.5	262.9	.	.	.	.	.	.	*
17	AUG78	510FLD S	H	20	130	26.4	26.0	.	.	.	.	.	.	.	*
17	AUG78	511 LN S	M	20	131	26.4	26.0	28.8	30.7	2	5.0	26	.2	26.	0	*
17	AUG78	512 LN S	M	20	131	26.4	26.0	28.8	30.7	2	5.0	26	.2	26.	0	*
17	AUG78	5130LDPM	O	20	131	.	264.9	266.0	.	.	.	.	.	.	*
17	AUG78	514 PRTS		20	131	23.1	.	3.182	1	.166	40.	15	35.9	1	*	
17	AUG78	6113.3VV		20	232	10.20	8.00	2.70	0.70	-	.	4.	90	.	*	
17	AUG78	62 1.6HH		20	230	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV		20	230	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH		20	232	-10.90	-11.10	-5.90	5.30	-16	.40	23.	80	-24.5	0	-22.70*
17	AUG78	65 .4HV		20	232	-22.30	-23.40	21.70	8.80	-30	.40	35.	10	-34.8	0	-31.70*
17	AUG78	654.75HH		20	230	.	.	.	.	.	.	.	.	.	*
17	AUG78	674.75HV		20	230	.	.	.	.	.	.	.	.	.	*
17	AUG78	68 M	R	20	231	.	.	.	.	.	.	.	.	.	24.77*
17	AUG78	69HLHCVC		20	232	258.4	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	H	20	230	26.4	26.0	.	.	.	.	.	.	.	*
17	AUG78	611 LN S	M	20	232	27.9	28.9	31.7	33.4	2	7.4	29	.2	27.	1	*
17	AUG78	612 LN S	M	20	232	27.9	28.9	31.7	33.4	2	7.4	29	.2	27.	1	*
17	AUG78	6130LDPM	O	20	232	261.2	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRTS		20	232	24.0	40.	15	35.9	1	*
2	AUG78	1113.3VV		21	131	0.40	-1.60	-5.50	6.40	-6	.20	9.	90	-10.4	0	-11.10*
2	AUG78	12 1.6HH		21	131	-1.60	-4.90	-6.60	8.60	-10	.00	14.	00	-15.8	0	-17.90*
2	AUG78	13 1.6HV		21	131	-17.90	-16.60	16.30	8.30	-18	.70	20.	70	-22.4	0	-23.30*

2	AUG78	14	.4HH	21	131	-15.70	-20.30	-23.30	-2	6.00	-28	.30	-36.	80	-36.5	0	-33.90*	
2	AUG78	15	.4HV	21	131	-26.27	-30.40	-35.50	-3	9.30	-42	.30	-47.	00	-48.6	0	-45.80*	
2	AUG78	164	.75HH	21	130	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174	.75HV	21	130	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	16	H	B	21	131	.	0.88	1.04	1.14	2	.57	.	.	.	22.12*		
2	AUG78	19HLHCVC			21	131	.	259.1	263.9	.	.	.	.	.	.	.	.
2	AUG78	110FLD S		M	21	130	14.9	9.1	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S		M	21	131	15.5	6.6	7.7	12.5	1	3.4	24	.0	24.	5	.	
2	AUG78	112 LN S		M	21	131	15.5	6.6	7.7	12.5	.	3.4	24	.0	24.	5	.	
2	AUG78	1130LOPH		F	21	131	.	266.4	267.7	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5			21	131	20.2	.	0.173	0	.951	.	39.	88	37.3	2	.	
2	AUG78	1113.3VV			21	232	-0.60	-2.30	-6.00	-1	8.40	-7	.70	-10.	50	-11.0	0	-10.70*
2	AUG78	12 1.6HH			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HH			21	232	-12.84	-17.40	-21.10	-2	4.70	-26	.50	-37.	60	-38.9	0	-35.00*
2	AUG78	15 .4HV			21	232	-24.80	-28.10	-33.30	-3	8.30	-40	.10	-48.	00	-49.7	0	-46.80*
2	AUG78	164.75HH			21	232	6.49	2.04	-1.30	-1	4.25	-05	.78	-8.	94	-9.8	5	-11.54*
2	AUG78	174.75HV			21	232	-5.42	-8.96	-14.52	-1	5.74	-15	.56	-21.	50	-20.0	1	-23.54*
2	AUG78	18 H		B	21	231	.	.	.	.	.	.	.	.	.	.	22.12*
2	AUG78	19HLHCVC			21	232	234.8	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S		M	21	230	14.9	9.1	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S		M	21	232	16.9	6.7	7.4	12.5	1	3.4	17	.9	21.	7	.	
2	AUG78	112 LN S		M	21	232	16.9	6.7	7.4	12.5	1	3.4	17	.9	21.	7	.	
2	AUG78	1130LOPH		L	21	232	254.8	.	.	.	.	.	.	.	.	.	.
2	AUG78	114 PRT5			21	232	23.2	.	.	.	.	.	39.	88	37.3	2	.
2	AUG78	2113.3VV			21	131	-24.40	-31.10	-45.80	-1	8.70	-7	.70	-10.	00	-11.7	0	-11.10*
2	AUG78	22 1.6HH			21	131	-8.90	-11.50	-13.30	-1	3.80	-15	.90	-18.	60	-19.0	0	-21.80*
2	AUG78	23 1.6HV			21	131	-18.30	-19.20	-21.40	-2	9.70	-20	.60	-23.	00	-23.9	0	-24.20*
2	AUG78	24 .4HH			21	131	-18.30	-20.60	-24.30	-2	7.30	-29	.10	-37.	00	-37.1	0	-35.80*
2	AUG78	25 .4HV			21	131	-30.30	-31.80	-36.60	-3	9.90	-41	.20	-49.	90	-50.2	0	-48.20*
2	AUG78	264.75HH			21	131	3.76	-0.45	-5.71	-1	8.48	-9	.02	-11.	44	-13.6	5	-13.65*
2	AUG78	274.75HV			21	131	-2.05	-5.34	-15.28	-1	7.12	-18	.57	-21.	91	-22.5	6	-24.88*
2	AUG78	28 H		B	21	131	.	.	1.18	1.33	2	.85	.	.	.	.	23.30*
2	AUG78	29HLHCVC			21	131	.	278.0	280.5	.	.	.	.	.	.	.	.
2	AUG78	210FLD S		M	21	130	6.0	6.7	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S		M	21	131	5.9	6.7	7.5	11.9	.	.	21	.7	24.	2	.	
2	AUG78	212 LN S		M	21	131	5.9	6.7	7.5	11.9	.	.	21	.7	24.	2	.	
2	AUG78	2130LOPH		L	21	131	.	282.4	281.9	.	.	.	.	.	.	.	.
2	AUG78	214 PRT5			21	131	21.8	.	0.161	0	.556	.	39.	88	37.3	2	.	
2	AUG78	2113.3VV			21	232	-2.80	-3.50	-6.80	-1	9.60	-8	.30	-11.	40	-12.1	0	-12.60*
2	AUG78	22 1.6HH			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	23 1.6HV			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	24 .4HH			21	232	-15.60	-19.30	-23.40	-2	6.20	-27	.00	-34.	50	-36.5	0	-33.80*
2	AUG78	25 .4HV			21	232	-28.90	-31.70	-36.70	-3	9.70	-42	.50	-49.	10	-47.8	0	-42.60*
2	AUG78	264.75HH			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	274.75HV			21	230	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	26 H		B	21	231	.	.	.	.	.	.	.	.	.	.	23.30*
2	AUG78	29HLHCVC			21	232	272.2	.	.	.	.	.	.	.	.	.	.
2	AUG78	210FLD S		M	21	230	6.0	6.7	.	.	.	.	.	.	.	.	.
2	AUG78	211 LN S		M	21	232	5.9	6.7	7.5	11.9	.	.	21	.7	24.	2	.	
2	AUG78	212 LN S		M	21	232	5.9	6.7	7.5	11.9	.	.	21	.7	24.	2	.	
2	AUG78	2130LOPH		L	21	232	279.7	.	.	.	.	.	.	.	.	.	.
2	AUG78	214 PRT5			21	232	24.7	.	.	.	.	.	39.	88	37.3	2	.
2	AUG78	3113.3VV			21	131	-0.80	-2.90	-5.60	-1	8.40	-7	.30	-10.	60	-11.5	0	-11.20*
2	AUG78	32 1.6HH			21	131	-6.70	-10.70	-12.70	-1	3.60	-15	.00	-18.	10	-19.1	0	-21.70*
2	AUG78	33 1.6HV			21	131	-15.30	-22.30	-23.40	-2	2.20	-23	.90	-25.	00	-26.7	0	-27.00*
2	AUG78	34 .4HH			21	131	-18.40	-18.80	-21.60	-2	4.90	-27	.00	-32.	50	-35.2	0	-31.70*
2	AUG78	35 .4HV			21	131	-24.40	-29.20	-36.70	-4	0.50	-46	.70	-53.	50	-50.6	0	-50.60*
2	AUG78	364.75HH			21	130	12.60	7.50	3.40	1.00	0	.20	-2.	60	-4.7	0	-5.80*	

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8	AUG78	374.75HV		21	130	12.40	7.50	3.60	1.10	-0	.20	-4.	10	-5.5	0	-7.70*	
8	AUG78	38 M	B	21	131	.	0.75	0.85	1.05	2	.45	20.94*	
8	AUG78	39HLHCVC		21	131	.	277.4	251.7	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	21	130	5.3	5.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	21	131	5.3	5.6	6.4	9.5	7.9	20	.9	27.	5	.	*	
8	AUG78	312 LN S	M	21	131	5.3	5.6	6.4	9.5	7.9	20	.9	27.	5	.	*	
8	AUG78	313CLDPH	F	21	131	.	281.4	222.2	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		21	131	19.3	.	0.332	0	.992	.	39.	88	37.3	2	.	
8	AUG78	3113.3VV		21	232	-1.80	-5.10	-5.20	-	8.50	-7	.40	-10.	40	-11.4	0	-10.10*
8	AUG78	32 1.6HH		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	33 1.6HV		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	34 .4HH		21	232	-13.40	-15.70	-19.50	-2	1.10	-25	.50	-32.	90	-31.4	0	-30.70*
8	AUG78	35 .4HV		21	232	-26.24	-25.60	-35.00	-3	9.80	-45	.90	-53.	20	-51.9	2	-52.32*
8	AUG78	354.75HH		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	374.75HV		21	230	.	.	.	.	.	.	.	.	.	.	*
8	AUG78	38 M	B	21	231	.	.	.	.	.	.	.	.	.	.	20.94*
8	AUG78	39HLHCVC		21	232	270.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	21	230	5.3	5.6	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	21	232	6.0	6.3	7.2	10.9	8.6	21	.8	28.	4	.	*	
8	AUG78	312 LN S	M	21	232	6.0	6.3	7.2	10.9	8.6	21	.8	28.	4	.	*	
8	AUG78	313CLDPH	F	21	232	276.3	.	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRTS		21	232	21.0	.	.	.	.	.	39.	88	37.3	2	.
11	AUG78	4113.3VV		21	131	-2.70	-4.40	-7.40	.	0.70	-8	.50	-11.	20	-11.6	0	-10.90*
11	AUG78	42 1.6HH		21	132	-9.00	-12.20	-13.90	-1	3.80	-15	.80	-12.	00	-20.1	0	-20.70*
11	AUG78	43 1.6HV		21	131	-19.80	-20.50	-23.10	-2	3.40	-23	.70	-25.	30	-26.6	0	-27.80*
11	AUG78	44 .4HH		21	131	-13.00	-15.00	-19.62	-2	3.70	-23	.00	-29.	27	-29.0	0	-28.60*
11	AUG78	45 .4HV		21	131	-24.20	-27.70	-32.80	-3	5.30	-39	.00	-46.	00	-44.6	0	-45.00*
11	AUG78	464.75HH		21	130	16.20	11.00	7.70	5.20	3	.70	1.	10	-1.1	0	-2.50*	
11	AUG78	474.75HV		21	130	11.90	3.30	0.50	2.20	-3	.70	-7.	40	-7.9	0	-9.70*	
11	AUG78	48 M	B	21	131	.	1.20	1.36	1.47	3	.16	.	.	.	.	40.42*
11	AUG78	49HLHCVC		21	131	.	254.0	298.3	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	21	130	4.0	5.8	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	21	131	4.0	6.0	7.8	10.0	7.4	21	.9	26.	5	.	*	
11	AUG78	412 LN S	M	21	131	4.0	6.0	7.8	10.0	7.4	21	.9	26.	5	.	*	
11	AUG78	413CLDPH	F	21	131	.	297.5	295.4	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		21	131	37.2	.	0.117	0	.948	.	39.	88	37.3	2	.	
11	AUG78	4113.3VV		21	232	0.70	-3.50	-7.10	-	9.90	-8	.30	-11.	10	-12.1	0	-10.80*
11	AUG78	42 1.6HH		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		21	232	-12.00	-16.60	-19.70	-2	2.60	-24	.40	-31.	20	-29.7	0	-28.10*
11	AUG78	45 .4HV		21	232	-22.90	-25.80	-31.40	-3	4.70	-38	.20	-46.	30	-44.0	0	-43.30*
11	AUG78	464.75HH		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.75HV		21	230	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	B	21	231	.	.	.	.	.	.	.	.	.	.	40.42*
11	AUG78	49HLHCVC		21	232	280.9	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	21	230	4.0	5.8	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	21	232	4.0	5.8	7.4	9.9	7.1	20	.8	25.	4	.	*	
11	AUG78	412 LN S	M	21	232	4.0	5.8	7.4	9.9	7.1	20	.8	25.	4	.	*	
11	AUG78	413CLDPH	F	21	232	289.4	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRTS		21	232	38.6	.	.	.	.	.	39.	88	37.3	2	.
14	AUG78	5113.3VV		21	133	-1.60	-3.80	-5.70	-	8.90	-7	.50	-11.	00	-11.4	0	-11.70*
14	AUG78	52 1.6HH		21	133	-7.00	-10.00	-12.90	-1	3.20	-15	.40	-18.	20	-18.4	0	-21.20*
14	AUG78	53 1.6HV		21	133	-18.70	-21.00	-22.30	-2	2.10	-23	.70	-26.	80	-26.7	0	-25.10*
14	AUG78	54 .4HH		21	133	-13.65	-15.20	-17.90	-2	1.60	-21	.70	-30.	10	-30.6	0	-28.90*
14	AUG78	55 .4HV		21	133	-26.27	-27.52	-32.60	-3	6.94	-37	.50	-43.	80	-45.7	0	-45.90*
14	AUG78	564.75HH		21	131	4.95	0.14	-3.77	7.13	-8	.39	-11.	40	-13.4	6	-14.21*	
14	AUG78	574.75HV		21	131	-5.90	-9.55	-13.97	-1	6.70	-18	.16	-21.	99	-22.7	4	-25.27*
14	AUG78	58 M	B	21	131	.	0.91	1.04	1.38	2	.72	.	.	.	.	29.71*
14	AUG78	59HLHCVC		21	133	.	250.9	295.7	.	.	.	.	.	.	.	*

14	AUG78	510FLD S	M	21	130	4.8	5.1	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	21	131	5.1	5.5	7.2	11.8	7.2	22	.2	27.	5	.	.	.	.	.	.
14	AUG78	512 LN S	M	21	131	5.1	5.5	7.2	11.8	7.2	22	.2	27.	5	.	.	.	.	.	.
14	AUG78	5130 DPK	F	21	133	.	294.8	296.4	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5	F	21	133	32.6	.	0.255	0	.973	39.	88	37.3	2	.	.	.	.	.	.
14	AUG78	5113.3VV	F	21	232	11.50	-3.50	-6.25	8.70	-7	.30	-10.	60	-11.3	0	-11.40*	.	.	.	.
14	AUG78	52 1.6HH	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	F	21	232	-12.60	-14.80	18.80	2.40	-24	.70	-31.	50	-31.6	0	-28.70*	.	.	.	.
14	AUG78	55 .4HV	F	21	232	-24.70	-25.80	31.70	6.70	-37	.90	-46.	20	-45.0	0	-44.60*	.	.	.	.
14	AUG78	564.75HH	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 K	B	21	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	25.71*
14	AUG78	59HLHCVC	B	21	232	277.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	21	230	4.6	5.1	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	21	232	5.1	5.5	7.2	11.8	7.2	22	.2	27.	5	.	.	.	.	.	.
14	AUG78	512 LN S	M	21	232	5.1	5.5	7.2	11.8	7.2	22	.2	27.	5	.	.	.	.	.	.
14	AUG78	5130 DPK	F	21	232	284.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5	F	21	232	29.6	.	.	.	.	39.	88	37.3	2	.	.	.	.	.	.
17	AUG78	6113.3VV	F	21	131	10.50	-3.50	-6.40	9.10	-6	.40	.	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH	F	21	131	15.90	-12.30	12.50	9.10	-11	.70	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	F	21	131	-12.20	-21.30	21.50	1.40	-23	.00	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	F	21	131	-14.60	-17.50	18.00	2.10	-25	.93	.	.	.	.	.	.	.	.	.
17	AUG78	65 .4HV	F	21	131	-23.37	-17.93	32.90	6.21	-20	.05	.	.	.	.	.	.	.	.	.
17	AUG78	664.75HH	F	21	131	7.30	11.15	14.01	6.28	-19	.20	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	F	21	131	4.07	6.55	15.30	6.76	-19	.04	.	.	.	.	.	.	.	.	.
17	AUG78	68 K	B	21	131	.	1.04	1.20	1.30	2	.77	.	.	.	.	.	.	.	.	31.98*
17	AUG78	69HLHCVC	B	21	131	286.9	291.5	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	21	130	4.1	4.6	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	21	131	4.2	4.8	6.3	7.9	6.7	21	.6	28.	2	.	.	.	.	.	.
17	AUG78	612 LN S	M	21	131	4.2	4.8	6.3	7.9	6.7	21	.6	28.	2	.	.	.	.	.	.
17	AUG78	6130 DPK	F	21	131	.	251.7	252.9	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	F	21	131	29.9	.	0.094	0	.946	39.	88	37.3	2	.	.	.	.	.	.
17	AUG78	6113.3VV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	65 .4HV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	664.75HH	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	F	21	230	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 K	B	21	231	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31.98*
17	AUG78	69HLHCVC	B	21	232	282.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	21	230	4.1	4.6	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	21	232	4.2	4.8	6.3	7.9	6.7	21	.6	28.	2	.	.	.	.	.	.
17	AUG78	612 LN S	M	21	232	4.2	4.8	6.3	7.9	6.7	21	.6	28.	2	.	.	.	.	.	.
17	AUG78	6130 DPK	F	21	232	290.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	F	21	232	33.3	.	.	.	.	39.	88	37.3	2	.	.	.	.	.	.
2	AUG78	1113.3VV	F	22	131	5.60	-5.30	7.50	7.50	-6	.90	-10.	20	-11.0	0	-11.40*	.	.	.	.
2	AUG78	12 1.6HH	F	22	131	5.80	-6.00	10.60	4.20	-16	.00	-18.	90	-21.6	0	-21.70*	.	.	.	.
2	AUG78	13 1.6HV	F	22	131	-17.80	-20.70	22.70	0.60	-23	.50	-25.	40	-26.9	0	-26.10*	.	.	.	.
2	AUG78	14 .4HH	F	22	131	-7.60	-12.70	23.60	8.40	-30	.70	-37.	70	-37.4	0	-34.50*	.	.	.	.
2	AUG78	15 .4HV	F	22	131	-22.00	-26.10	29.60	3.40	-40	.60	-46.	70	-46.9	0	-45.80*	.	.	.	.
2	AUG78	164.75HH	F	22	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	F	22	130	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 K	A	22	131	.	0.52	0.63	1.97	6	.88	.	.	.	.	.	.	.	.	21.95*
2	AUG78	19HLHCVC	A	22	131	.	255.9	259.9	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	22	130	34.2	24.0
2	AUG78	111 LN S	M	22	131
2	AUG78	112 LN S	M	22	131

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2	AUG78	113CLDPH	M	22	131	.	264.3	264.9										*
2	AUG78	114 PRT5		22	131	20.3		3.006	1	.154	.	37.	81	33.5	2		*	
2	AUG78	1113.3VV		22	232	6.10	0.70	-5.20	-	7.50	-7	.40	-11.	10	-11.6	0	*	
2	AUG78	12 1.6HH		22	230	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV		22	230	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH		22	232	-9.90	-17.50	-21.60	-2	4.70	-26	.70	-35.	60	-34.2	0	-34.40*	
2	AUG78	15 .4HV		22	232	-23.60	-26.40	-20.90	-3	4.30	-39	.50	-45.	00	-45.8	0	-45.20*	
2	AUG78	154.75HH		22	232	12.04	4.30	-0.50	-	4.32	-5	.57	-10.	01	-9.9	1	-11.42*	
2	AUG78	174.75HV		22	232	-4.61	-7.29	-13.50	-1	4.62	-15	.22	-20.	67	-19.2	2	-21.67*	
2	AUG78	18 H	A	22	231	.	.	.	.	.	.	.	.	.	.	.	21.96*
2	AUG78	19HLHCVC		22	232	237.6	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	22	230	35.1	24.0	.	.	.	.	.	.	.	.	.	*
2	AUG78	111 LN S	M	22	232	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	112 LI S	M	22	232	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	113CLDPH	M	22	232	235.8	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRT5		22	232	21.2	.	.	.	.	.	37.	81	33.5	2		*
5	AUG78	2113.3VV		22	131	3.70	0.50	24.10	-1	3.00	-7	.40	-10.	10	-11.3	0	-8.60*	
5	AUG78	22 1.6HH		22	131	2.70	-6.20	11.40	-1	3.70	-16	.10	-19.	90	-21.8	0	-22.90*	
5	AUG78	23 1.6HV		22	131	-15.00	-18.40	20.80	-1	9.30	-21	.20	-22.	80	-24.4	0	-23.00*	
5	AUG78	24 .4HH		22	131	-13.66	-14.90	22.00	-2	6.80	-30	.30	-33.	00	-33.7	0	-34.00*	
5	AUG78	25 .4HV		22	131	-21.04	-27.74	33.39	-3	8.06	-42	.56	-49.	41	-46.8	1	-47.00*	
5	AUG78	264.75HH		22	131	9.07	3.41	-2.90	-1	5.32	-16	.76	-9.	59	-11.6	5	-12.53*	
5	AUG78	274.75HV		22	131	-4.45	-8.28	12.53	-1	4.67	-15	.29	-18.	54	-19.5	0	-26.45*	
5	AUG78	28 H	A	22	131	.	0.56	0.61	-	2.11	7	.39	.	.	.	.	16.32*
5	AUG78	29HLHCVC		22	131	.	260.1	267.7	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	22	130	21.7	24.9	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	22	131	21.1	23.9	23.3	.	22.8	2	1.7	23	.1	21.	2	*	
5	AUG78	212 LN S	M	22	131	21.7	23.9	23.8	.	22.8	2	1.7	23	.1	21.	2	*	
5	AUG78	213CLDPH	M	22	131	.	264.2	265.8	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRT5		22	131	18.1	.	3.308	1	.151	.	37.	81	33.5	2		*	
5	AUG78	2113.3VV		22	232	5.20	0.50	24.10	-	8.00	-6	.90	-9.	50	-10.7	0	-8.20*	
5	AUG78	22 1.6HH		22	230	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV		22	230	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH		22	232	-13.48	-17.84	-24.10	-2	7.20	-30	.30	-35.	90	-36.7	0	-36.30*	
5	AUG78	25 .4HV		22	232	-18.40	-22.00	-34.30	-3	4.30	-40	.70	-48.	00	-46.3	0	-47.30*	
5	AUG78	264.75HH		22	230	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV		22	230	.	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 H	A	22	231	.	.	.	.	.	.	.	.	.	.	.	16.32*
5	AUG78	29HLHCVC		22	232	235.0	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	210FLD S	M	22	230	21.7	24.9	.	.	.	.	.	.	.	.	.	*
5	AUG78	211 LN S	M	22	232	21.7	24.9	25.0	.	23.5	2	2.9	23	.9	22.	2	*	
5	AUG78	212 LN S	M	22	232	21.7	24.9	25.0	.	23.5	2	2.9	23	.9	22.	2	*	
5	AUG78	213CLDPH	M	22	232	236.5	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	214 PRT5		22	232	19.5	.	.	.	.	.	37.	81	33.5	2		*
8	AUG78	3113.3VV		22	131	4.40	0.40	22.10	-1	6.50	-6	.40	-9.	60	-10.4	0	-10.50*	
8	AUG78	32 1.6HH		22	131	2.50	-5.60	-9.90	-1	3.30	-16	.50	-15.	60	-19.1	0	-20.20*	
8	AUG78	33 1.6HV		22	131	-17.10	-21.90	-23.10	-2	0.30	-23	.50	-24.	60	-25.5	0	-25.30*	
8	AUG78	34 .4HH		22	131	-5.78	-14.46	20.90	-2	2.60	-29	.24	-31.	50	-29.7	0	-30.40*	
8	AUG78	35 .4HV		22	131	-19.72	-24.46	32.30	-3	5.20	-44	.96	-50.	03	-47.6	0	-49.20*	
8	AUG78	364.75HH		22	130	19.10	10.80	6.10	-	2.90	1	.60	-1.	70	-3.5	0	-4.20*	
8	AUG78	374.75HV		22	130	12.60	9.60	6.60	-	4.80	3	.90	-0.	80	-2.4	0	-3.00*	
8	AUG78	38 H	A	22	131	.	0.70	0.40	-	1.70	6	.30	.	.	.	.	16.22*
8	AUG78	39HLHCVC		22	131	.	264.8	269.2	.	.	.	.	.	.	.	.	*
8	AUG78	310FLD S	M	22	130	21.6	24.0	.	.	.	.	.	.	.	.	.	*
8	AUG78	311 LN S	M	22	131	21.6	24.0	24.4	.	23.4	2	4.3	24	.9	23.	3	*	
8	AUG78	312 LN S	M	22	131	21.6	24.0	24.4	.	23.4	2	4.3	24	.9	23.	3	*	
8	AUG78	313CLDPH	M	22	131	.	269.2	270.1	.	.	.	.	.	.	.	.	*
8	AUG78	314 PRT5		22	131	17.8	.	2.962	1	.175	.	37.	81	33.5	2		*	
8	AUG78	3113.3VV		22	232	3.80	0.50	-2.70	-	6.50	-5	.60	-9.	20	-10.6	0	-7.20*	

14	AUG78	55 .4HV	22	232	-21.30	-23.60	23.70	-2	8.40	-34	.40	-40.	70	-39.7	0	-40.80*
14	AUG78	564.75HH	22	230	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	A	22	231	.	.	.	.	.	.	.	.	.	.	24.75*
14	AUG78	59HLHCVC	22	232	250.8	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	H	22	232	19.4	22.4	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	22	232	19.4	22.4	22.4	22.6	2	2.0	23	.6	20.	7	.
14	AUG78	512 LN S	M	22	232	19.4	22.4	22.4	22.6	2	2.0	23	.6	20.	7	.
14	AUG78	5130LDPH	M	22	232	262.5	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS	22	232	22.8	.	.	.	.	.	37.	81	33.5	2	.	.
17	AUG78	6113.3VV	22	131	6.00	00.50	-5.50	-1	8.20	-17	.90	.	.	.	.	.
17	AUG78	62 1.6HH	22	131	1.90	-06.00	11.30	-11	3.30	-15	.20	.	.	.	.	.
17	AUG78	63 1.6HV	22	131	-18.10	-21.10	22.60	-2	2.00	-23	.60	.	.	.	.	.
17	AUG78	64 .4HV	22	131	-2.64	-11.60	17.30	-2	2.08	-24	.57	.	.	.	.	.
17	AUG78	65 .4HV	22	131	-17.89	-24.09	27.76	-3	1.46	-33	.46	.	.	.	.	.
17	AUG78	664.75HH	22	131	2.51	0.75	-3.74	-1	7.26	-48	.51	.	.	.	.	.
17	AUG78	674.75HV	22	131	-2.47	-7.00	13.92	-1	5.62	-18	.27	.	.	.	.	.
17	AUG78	68 M	A	22	131	.	1.15	0.98	1.92	5	.78	.	.	.	.	28.10*
17	AUG78	69HLHCVC	22	131	.	279.4	284.0	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	22	130	12.1	20.3	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	22	131	11.8	18.9	19.8	19.8	1	8.4	21	.5	18.	5	.
17	AUG78	612 LN S	M	22	131	11.8	18.9	19.8	19.8	1	8.4	21	.5	18.	5	.
17	AUG78	6130LDPH	M	22	130	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	22	131	26.3	.	1.994	1	.100	.	37.	81	33.5	2	.	.
17	AUG78	6113.3VV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	65 .4HV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	664.75HH	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	22	230	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	A	22	231	.	.	.	.	.	.	.	.	.	.	28.10*
17	AUG78	69HLHCVC	22	232	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	22	230	12.1	20.3	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	22	232	11.8	18.9	19.8	19.8	1	8.4	21	.5	18.	5	.
17	AUG78	612 LN S	M	22	232	11.8	18.9	19.8	19.8	1	8.4	21	.5	18.	5	.
17	AUG78	6130LDPH	M	22	230	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRTS	22	232	28.6	.	-2.20	-1	3.50	-1	.50	37.	81	33.5	2	.
2	AUG78	1113.3VV	24	141	1.90	0.70	1.50	-1	1.70	-2	.50	40	6.0	0	-2.60*	
2	AUG78	12 1.6HH	24	141	3.40	-0.50	14.00	-1	3.10	-14	.70	70	-19.3	0	-22.30*	
2	AUG78	13 1.6HV	24	141	-18.30	-18.10	18.20	-1	4.80	-24	.26	50	-30.7	0	-28.79*	
2	AUG78	14 .4HV	24	141	-16.20	-17.20	34.90	-2	4.90	-39	.40	45.	20	-43.4	0	-38.90*
2	AUG78	15 .4HV	24	141	-30.00	-31.10	.	.	.	.	.	.	.	.	.	.
2	AUG78	164.75HH	24	140	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	174.75HV	24	140	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	18 M	R	24	141	.	0.90	0.76	1.44	4	.93	.	.	.	.	25.12*
2	AUG78	19HLHCVC	24	141	.	267.8	273.1	.	.	.	.	.	.	.	.	.
2	AUG78	110FLD S	M	24	140	10.7	14.6	.	.	.	.	.	.	.	.	.
2	AUG78	111 LN S	M	24	141	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	112 LN S	M	24	141	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	1130LDPH	M	24	141	.	271.1	273.6	.	.	.	.	.	.	.	.
2	AUG78	114 PRTS	24	141	24.1	.	1.750	1	.110	.	47.	29	40.9	6	.	.
2	AUG78	1113.3VV	24	240	2.30	0.60	-1.60	-1	3.30	-1	.60	80	-7.9	0	-8.50*	
2	AUG78	12 1.6HH	24	240	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	13 1.6HV	24	240	.	.	.	.	.	.	.	.	.	.	.	.
2	AUG78	14 .4HV	24	242	-13.50	-15.00	14.30	-	3.50	-19	.91	30.	00	-27.1	0	-24.74*
2	AUG78	15 .4HV	24	242	-26.30	-30.40	33.30	-2	3.40	-35	.80	40	-41.7	0	-36.80*	
2	AUG78	164.75HH	24	240
2	AUG78	174.75HV	24	240

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8	AUG78	311 LN S	M	24	242	22.0	28.4	27.5	30.8	2	9.1	31	.7	31.	5	*
8	AUG78	312 LN S	M	24	242	22.0	28.4	27.5	30.8	2	9.1	31	.7	31.	5	*
8	AUG78	313OLDPM	P	24	242	263.2	.	.	.	.	.	47.	29	40.9	6	*
8	AUG78	314 PRT5		24	242	19.8	.	.	.	.	.	.	.	.	.	*
11	AUG78	4113.3VV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.7SHH		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.7SHV		24	140	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	24	141	.	1.01	0.83	1.66	5	.73	.	.	.	32.03	*
11	AUG78	49HLHCVC		24	141	.	281.1	286.7	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	24	140	11.7	19.3	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	24	141	13.9	21.0	23.5	27.5	2	3.0	29	.4	30.	1	*
11	AUG78	411 LN S	M	24	141	13.9	21.0	23.5	27.5	2	3.0	29	.4	30.	1	*
11	AUG78	413OLDPM	P	24	141	.	285.8	288.3	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		24	141	29.1	.	2-144	1	.117	.	47.	29	40.9	6	*
11	AUG78	4113.3VV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	42 1.6HH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	43 1.6HV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	44 .4HH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	45 .4HV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	464.7SHH		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	474.7SHV		24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	48 M	R	24	241	.	.	.	.	.	.	.	.	.	32.03	*
11	AUG78	49HLHCVC		24	242	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	24	240	11.7	19.3	.	.	.	.	.	.	.	.	*
11	AUG78	411 LN S	M	24	242	11.7	19.3	22.4	25.5	2	2.6	27	.9	29.	1	*
11	AUG78	411 LN S	M	24	242	11.7	19.3	22.4	25.5	2	2.6	27	.9	29.	1	*
11	AUG78	413OLDPM	P	24	240	.	.	.	.	.	.	.	.	.	.	*
11	AUG78	414 PRT5		24	242	30.1	.	.	.	.	.	47.	29	40.9	6	*
14	AUG78	5113.3VV		24	143	1.50	0.10	-1.90	3.40	-1	.50	47.	29	40.9	6	6.00*
14	AUG78	52 1.6HH		24	143	-0.10	-3.10	-1.90	3.10	-4	.90	5.70	10	-10.5	0	15.00*
14	AUG78	53 1.6HV		24	143	-17.50	-19.20	19.30	8.70	-19	.10	20.	10	-22.0	0	22.23*
14	AUG78	54 .4HH		24	143	-9.37	-12.35	12.84	0.78	-16	.28	27.	58	-26.3	7	19.11*
14	AUG78	55 .4HV		24	143	-23.75	-26.38	29.57	7.75	-32	.80	41.	33	-37.6	4	26.37*
14	AUG78	554.7SHH		24	140	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	574.7SHV		24	140	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	58 M	R	24	141	.	0.90	0.72	1.39	5	.65	.	.	.	27.20	*
14	AUG78	59HLHCVC		24	143	.	281.3	287.6	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	24	140	18.8	24.6	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	24	141	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	512 LN S	M	24	141	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	513OLDPM	P	24	143	.	286.5	289.2	.	.	.	.	.	.	.	*
14	AUG78	514 PRT5		24	143	27.8	.	2.230	1	.129	.	47.	29	40.9	6	*
14	AUG78	5113.3VV		24	242	2.60	1.00	-1.30	3.20	-2	.00	47.	29	40.9	6	5.60*
14	AUG78	52 1.6HH		24	240	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	53 1.6HV		24	240	.	.	.	.	.	.	.	.	.	.	*
14	AUG78	54 .4HH		24	242	-10.30	-11.60	11.10	1.30	-15	.40	25.	90	-26.9	0	19.30*
14	AUG78	55 .4HV		24	242	-26.70	-27.30	28.70	5.60	-30	.60	39.	70	-38.0	0	30.50*
14	AUG78	564.7SHH		24	242	8.87	4.51	1.65	0.63	-1	.01	6.	30	-17.5	7	8.62*
14	AUG78	574.7SHV		24	242	-3.59	-6.90	11.92	2.97	-13	.80	17.	16	-16.3	4	19.25*
14	AUG78	58 M	R	24	241	.	.	.	.	.	.	.	.	.	.	27.20*
14	AUG78	59HLHCVC		24	242	272.6	.	.	.	.	.	.	.	.	.	*
14	AUG78	510FLD S	M	24	240	18.8	24.6	.	.	.	.	.	.	.	.	*
14	AUG78	511 LN S	M	24	242	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	512 LN S	M	24	242	18.8	24.6	28.0	30.5	2	8.5	32	.7	32.	3	*
14	AUG78	513OLDPM	P	24	242	280.0	*

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14	AUG78	514	PRTS	24	242	26.5							47.	29	40.9	6		*
17	AUG78	6113.3VV		24	141	3.20	1.40	10.80	1	2.00	0	.60						*
17	AUG78	62 1.6HH		24	141	15.30	7.30	9.20	1	1.60	14	.50						*
17	AUG78	63 1.6HV		24	141	17.00	12.30	18.60	1	8.00	16	.70						*
17	AUG78	64 .5HH		24	141	11.30	12.00	13.10	1	1.07	13	.00						*
17	AUG78	65 .4HV		24	141	23.09	24.68	27.29	1	4.50	27	.30						*
17	AUG78	664.75HH		24	140													*
17	AUG78	674.75HV		24	140													*
17	AUG78	68 M	R	24	141		1.07	0.85		1.81	6	.50					28.59*	*
17	AUG78	69HLHCVC		24	141		278.9	285.2										*
17	AUG78	610FLD S	M	24	140	13.1	19.7											*
17	AUG78	611 LN S	M	24	141	14.8	22.2	26.3		30.1	2	6.8	30	.4	30.	6		*
17	AUG78	612 LN S	M	24	141	14.8	22.2	26.3		30.1	2	6.8	30	.4	30.	6		*
17	AUG78	613OLDPM	P	24	141		283.8	287.0										*
17	AUG78	614 PRTS		24	141	26.2		2.528	1	.125			47.	29	40.9	6		*
17	AUG78	6113.3VV		24	242	1.90	1.00	1.10	1	2.80	1	.70	15.	90	15.9	0		*
17	AUG78	62 1.6HH		24	240													*
17	AUG78	63 1.6HV		24	240													*
17	AUG78	64 .5HH		24	242	12.50	12.90	12.40	1	1.00	16	.30	25.	90	25.8	0		*
17	AUG78	65 .4HV		24	242	26.30	28.20	29.50	1	8.50	32	.85	39.	24	38.6	0		*
17	AUG78	664.75HH		24	242	5.14	2.28	0.75	1	1.84	1	.72	6.	99	7.3	4		*
17	AUG78	674.75HV		24	242	4.60	7.59	11.73	1	2.75	13	.98	17.	34	16.2	9		*
17	AUG78	68 M	R	24	241												28.59*	*
17	AUG78	69HLHCVC		24	242	277.5												*
17	AUG78	610FLD S	M	24	240	13.1	19.7											*
17	AUG78	611 LN S	M	24	242	13.1	19.7	24.0		27.8	2	4.7	29	.7	30.	5		*
17	AUG78	612 LN S	M	24	242	13.1	19.7	24.0		27.8	2	4.7	29	.7	30.	5		*
17	AUG78	613OLDPM	P	24	242		284.8											*
17	AUG78	614 PRTS		24	242	28.3							47.	29	40.9	6		*
2	AUG78	1113.3VV		25	141	11.00	8.60	3.50	1	0.10	0	.20	6.	20	8.2	0	9.70*	*
2	AUG78	12 1.6HH		25	141	5.00	4.30	1.90		2.20	1	.70	17.	20	10.0	0	12.10*	*
2	AUG78	13 1.6HV		25	141	16.40	15.50	13.60	1	3.20	13	.50	17.	99	19.1	0	20.10*	*
2	AUG78	14 .4HH		25	141	15.10	16.00	11.80	2	1.50	20	.80	28.	00	28.0	0	24.00*	*
2	AUG78	15 .4HV		25	141	27.40	29.20	30.00	3	2.30	36	.90	42.	80	41.5	0	36.40*	*
2	AUG78	164.75HH		25	140													*
2	AUG78	174.75HV		25	140													*
2	AUG78	18 M	R	25	141		1.07	0.78		2.04	8	.19					23.51*	*
2	AUG78	19HLHCVC		25	141		255.1	261.6										*
2	AUG78	110FLD S	M	25	140	16.8	18.5											*
2	AUG78	111 LN S	M	25	141													*
2	AUG78	112 LN S	M	25	141													*
2	AUG78	113OLDPM	R	25	141		259.4	262.0										*
2	AUG78	114 PRTS		25	141	21.9		3.543	1	.152			51.	20	38.3	9		*
2	AUG78	1113.3VV		25	242	9.40	7.30	2.20	1	1.30	0	.70	17.	30	8.8	0	8.50*	*
2	AUG78	12 1.6HH		25	240													*
2	AUG78	13 1.6HV		25	240													*
2	AUG78	14 .5HH		25	242	13.80	14.90	9.00	1	9.60	19	.30	25.	60	25.8	0	21.40*	*
2	AUG78	15 .4HV		25	242	24.80	27.30	27.60	3	1.30	33	.40	40.	40	39.9	0	33.20*	*
2	AUG78	164.75HH		25	240													*
2	AUG78	174.75HV		25	240													*
2	AUG78	18 M	R	25	241												23.51*	*
2	AUG78	19HLHCVC		25	242	239.7												*
2	AUG78	110FLD S	M	25	240	16.8	18.5											*
2	AUG78	111 LN S	M	25	242													*
2	AUG78	112 LN S	M	25	242													*
2	AUG78	113OLDPM	R	25	242	237.3												*
2	AUG78	114 PRTS		25	242	23.3							51.	20	38.3	9		*
5	AUG78	2113.3VV		25	141	9.50	10.10	6.20		1.10	1	.00	13.	50	7.7	0	9.10*	*
5	AUG78	22 1.6HH		25	141	4.20	3.30	1.50		2.50	1	.00	7.	40	11.2	0	26.00*	*

5	AUG78	23 1.6HV	25	141	115.00	115.00	1	115.00	1	0.00	1.10	.00	115.00	20	115.1	0	-17.90*
	AUG78	24 .4HH	25	141	115.00	115.00	1	115.00	1	0.00	1.10	.00	115.00	20	115.1	0	-24.60*
	AUG78	25 .4HV	25	141	224.98	224.98	1	224.98	1	0.00	1.10	.00	224.98	20	225.0	0	.00*
	AUG78	264.75HH	25	141	9.48	7.86	1	254.93	1	1.78	1.00	.29	1.00	70	7.0	0	.00*
	AUG78	274.75HV	25	141	0.19	1.09	1	19.25	1	0.48	1.00	.05	1.00	29	14.6	0	20.52*
	AUG78	28 M	R	25	141	.	248.3	253.0	.	2.08	0	.	.	.	.	.	.
	AUG78	29HLHCVC	R	25	141	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	210FLD S	M	25	140	33.5	22.5	.	.	.	.	.	.	.	.	.	.
	AUG78	211 LN S	M	25	141	32.2	26.8	30.1	35.6	3	0.8	32	.2	30.	5	.	.
	AUG78	212 LN S	M	25	141	32.2	26.8	30.1	35.6	3	0.8	32	.2	30.	5	.	.
	AUG78	213CLDPM	R	25	141	.	254.5	254.8	.	.	.	.	.	.	.	.	.
	AUG78	214 PRTS	R	25	141	19.0	.	3.503	1	.153	.	51.	20	38.3	9	.	.
	AUG78	2113.3VV	R	25	242	11.60	11.40	6.50	1	1.10	1	.00	5.	30	-6.3	0	-8.40*
	AUG78	22 1.6HH	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	23 1.6HV	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	24 .4HH	R	25	242	-15.68	15.68	10.17	-2	1.40	-23	.50	-26.	50	-25.7	0	-25.40*
	AUG78	25 .4HV	R	25	242	-23.50	-26.50	29.60	-3	3.25	-38	.00	-43.	10	-40.3	0	-37.00*
	AUG78	264.75HH	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	274.75HV	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	28 M	R	25	241	.	.	.	.	.	.	.	.	.	.	.	20.52*
	AUG78	29HLHCVC	R	25	242	237.1	.	.	.	.	.	.	.	.	.	.	.
	AUG78	210FLD S	M	25	240	33.5	22.5	.	.	.	.	.	.	.	.	.	.
	AUG78	211 LN S	M	25	242	33.5	28.5	30.3	36.4	3	1.2	32	.7	32.	2	.	.
	AUG78	212 LN S	M	25	242	33.5	28.5	30.3	36.4	3	1.2	32	.7	32.	2	.	.
	AUG78	213CLDPM	R	25	242	240.2	.	.	.	.	.	.	.	.	.	.	.
	AUG78	214 PRTS	R	25	242	19.4	.	.	.	.	.	51.	20	38.3	9	.	.
	AUG78	3113.3VV	R	25	141	6.10	6.30	1.10	1	3.50	-2	.90	-7.	30	-8.2	0	-8.20*
	AUG78	32 1.6HH	R	25	141	0.80	1.00	1.60	1	0.70	-4	.40	-10.	30	-12.9	0	-13.40*
	AUG78	33 1.6HV	R	25	141	-17.40	-18.20	17.30	-1	5.50	-16	.60	-18.	50	-19.4	0	-20.60*
	AUG78	34 .4HH	R	25	141	-10.00	-13.00	-7.50	-1	7.20	-18	.10	-25.	00	-26.7	0	-20.80*
	AUG78	35 .4HV	R	25	141	-24.40	-26.70	30.50	-3	4.20	-37	.30	-42.	90	-41.8	0	-39.50*
	AUG78	364.75HH	R	25	140	17.10	15.70	11.80	1	7.70	4	.50	0.	60	-0.6	0	-1.60*
	AUG78	374.75HV	R	25	140	15.50	9.70	8.50	1	6.50	5	.20	1.	20	1.4	0	-0.50*
	AUG78	38 M	R	25	141	.	1.00	0.65	1	1.95	8	.30	.	.	.	.	20.37*
	AUG78	39HLHCVC	R	25	141	.	282.8	272.2	.	.	.	.	.	.	.	.	.
	AUG78	310FLD S	M	25	140	24.7	22.8	.	.	.	.	.	.	.	.	.	.
	AUG78	311 LN S	M	25	141	14.1	15.1	19.8	26.2	2	1.4	25	.9	27.	8	.	.
	AUG78	312 LN S	M	25	141	14.1	15.1	19.8	26.2	2	1.4	25	.9	27.	8	.	.
	AUG78	313CLDPM	R	25	141	.	274.5	274.3	.	.	.	.	.	.	.	.	.
	AUG78	314 PRTS	R	25	141	18.2	.	3.757	1	.164	.	51.	20	38.3	9	.	.
	AUG78	3113.3VV	R	25	242	8.10	6.00	1.00	1	3.60	-3	.30	-7.	70	-7.8	0	-8.60*
	AUG78	32 1.6HH	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	33 1.6HV	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	34 .4HH	R	25	242	-13.20	-14.00	-6.80	-1	8.30	-19	.80	-23.	00	-24.3	0	-21.40*
	AUG78	35 .4HV	R	25	242	-25.80	-27.10	31.70	-3	4.30	-35	.60	-42.	90	-40.9	0	-36.20*
	AUG78	364.75HH	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	374.75HV	R	25	240	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	38 M	R	25	241	.	.	.	.	.	.	.	.	.	.	.	20.37*
	AUG78	39HLHCVC	R	25	242	260.6	.	.	.	.	.	.	.	.	.	.	.
	AUG78	310FLD S	M	25	240	24.7	22.8	.	.	.	.	.	.	.	.	.	.
	AUG78	311 LN S	M	25	242	14.1	15.1	19.8	26.2	2	1.4	25	.9	27.	8	.	.
	AUG78	312 LN S	M	25	242	14.1	15.1	19.8	26.2	2	1.4	25	.9	27.	8	.	.
	AUG78	313CLDPM	R	25	242	267.0	.	.	.	.	.	.	.	.	.	.	.
	AUG78	314 PRTS	R	25	242	19.1	.	.	.	.	.	51.	20	38.3	9	.	.
	AUG78	4113.3VV	R	25	140	.	.	.	.	.	.	.	.	.	.	.	.
	AUG78	42 1.6HH	R	25	140
	AUG78	43 1.6HV	R	25	140
	AUG78	44 .4HH	R	25	140
	AUG78	45 .4HV	R	25	140

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11	AUG78	464.75HH	25	140
11	AUG78	474.75HV	25	140
11	AUG78	48 H	R	25	141	.	1.00	0.72	1.90	7	.52	28.45*	
11	AUG78	49HLHCVC		25	141	.	273.1	277.3	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	25	140	21.1	22.3	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	25	141	21.1	22.3	25.9	32.7	2	5.4	28	.1	28.	.	.	.	.	.
11	AUG78	412 LN S	M	25	141	21.1	22.3	25.9	32.7	2	5.4	28	.1	28.	.	.	.	.	.
11	AUG78	4130LDPH	R	25	141	.	277.5	272.6	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRT5		25	141	25.8	.	3.249	.151	.	.	51.	20	38.3	.	.	.	.	9
11	AUG78	4113.3VV		25	242	9.10	7.10	2.20	2.60	-2	.50	-6.	60	-6.6	0	-7.20*	.	.	.	
11	AUG78	42 1.6HH		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		25	242	-12.90	-13.20	-19.90	-1	8.30	-18	.00	-24.	90	-24.2	0	-17.90*	.	.	
11	AUG78	45 .4HV		25	242	-24.30	-25.60	-27.40	-3	0.70	-33	.20	-37.	90	-37.3	0	-34.20*	.	.	
11	AUG78	464.75HH		25	240	20.40	19.00	15.70	1	1.80	8	.90	3.	20	0.9	0	-0.60*	.	.	
11	AUG78	474.75HV		25	240	12.80	9.10	6.50	4.50	2	.90	-0.	50	-1.2	0	-2.30*	.	.	.	
11	AUG78	48 H	R	25	241	.	.	.	.	.	.	.	.	.	.	.	.	.	28.45*
11	AUG78	49HLHCVC		25	242	252.7	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	25	240	21.1	22.3	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	25	242	21.1	22.3	25.9	32.7	2	5.4	28	.1	28.	.	.	.	.	.
11	AUG78	412 LN S	M	25	242	21.1	22.3	25.9	32.7	2	5.4	28	.1	28.	.	.	.	.	.
11	AUG78	4130LDPH	R	25	242	267.5	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRT5		25	242	27.6	.	.	.	.	.	51.	20	38.3	.	.	.	.	9
14	AUG78	5113.3VV		25	143	12.30	9.60	3.90	0.10	0	.60	-5.	40	-6.3	0	-7.00*	.	.	.	
14	AUG78	52 1.6HH		25	143	6.10	4.20	1.20	1.70	-2	.30	-8.	30	-10.7	0	-12.20*	.	.	.	
14	AUG78	53 1.6HV		25	143	-13.40	-14.20	-13.90	-1	3.80	-14	.90	-16.	50	-18.0	0	-18.10*	.	.	
14	AUG78	54 .4HH		25	143	-18.43	-11.71	-3.70	-1	4.61	-15	.00	-21.	50	-23.3	0	-16.40*	.	.	
14	AUG78	55 .4HV		25	143	-20.10	-22.20	-22.94	-2	8.10	-30	.80	-34.	80	-33.5	0	-28.00*	.	.	
14	AUG78	564.75HH		25	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		25	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 H	R	25	141	.	0.85	0.59	1.71	7	.34	.	.	.	.	.	.	.	25.48*
14	AUG78	59HLHCVC		25	143	.	258.7	266.6	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	25	140	27.4	26.6	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	25	141	27.4	26.6	30.8	35.5	2	9.7	28	.8	29.	.	.	.	.	3
14	AUG78	512 LN S	M	25	141	27.4	26.6	30.8	35.5	2	9.7	28	.8	29.	.	.	.	.	3
14	AUG78	5130LDPH	R	25	143	264.1	264.1	267.7	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5		25	143	25.1	.	3.304	1	.152	.	51.	20	38.3	.	.	.	.	9
14	AUG78	5113.3VV		25	242	12.50	11.20	5.30	0.30	0	.10	-5.	70	-6.0	0	-6.00*	.	.	.	
14	AUG78	52 1.6HH		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		25	242	-9.90	-11.60	-14.40	-1	5.90	-16	.00	-23.	40	-22.5	0	-18.30*	.	.	
14	AUG78	55 .4HV		25	242	-20.00	-23.00	-23.60	-2	8.20	-30	.80	-35.	80	-35.3	0	-28.70*	.	.	
14	AUG78	564.75HH		25	242	12.21	12.70	10.00	6.84	3	.10	-4.	43	-6.1	9	-8.55*	.	.	.	
14	AUG78	574.75HV		25	242	-1.49	-3.28	-7.55	-	8.44	-10	.62	-14.	42	-14.3	9	-17.39*	.	.	
14	AUG78	58 H	R	25	241	.	.	.	.	.	.	.	.	.	.	.	.	.	25.48*
14	AUG78	59HLHCVC		25	242	250.4	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	25	240	27.4	26.6	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	25	242	27.4	26.6	30.8	35.5	2	9.7	28	.8	29.	.	.	.	.	3
14	AUG78	512 LN S	M	25	242	27.4	26.6	30.8	35.5	2	9.7	28	.8	29.	.	.	.	.	3
14	AUG78	5130LDPH	R	25	242	255.5	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5		25	242	24.4	.	.	.	.	.	51	20	38.3	.	.	.	.	9
17	AUG78	6113.3VV		25	141	9.50	3.10	-0.80	4.40	-2	.90	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH		25	141	-8.00	-11.80	-12.90	-1	3.90	-15	.20	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		25	141	-16.70	-17.90	-18.20	-1	8.50	-18	.80	.	.	.	.	.	.	.
17	AUG78	64 .4HH		25	141	-12.00	-14.06	-6.30	-1	7.40	-20	.19	.	.	.	.	.	.	.
17	AUG78	65 .4HV		25	141	-25.20	-24.10	-19.10	-2	9.10	-28	.50	.	.	.	.	.	.	.
17	AUG78	664.75HH		25	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV		25	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 H	R	25	141	.	1.07	0.77	2.06	8	.37	.	.	.	.	.	.	.	26.80*

17	AUG78	69HLHCVC		25	141	.	280.3	285.7											*
17	AUG78	610FLD S	M	25	140	10.6	17.5												*
17	AUG78	611 LN S	M	25	141	9.7	14.7	18.9	24.3	1	9.9	26	.3	27.	0				*
17	AUG78	612 LN S	M	25	141	9.7	14.7	18.9	24.3	1	9.9	26	.3	27.	0				*
17	AUG78	613OLDPH	R	25	141	.	285.1	287.3											*
17	AUG78	614 PRIS		25	141	24.7		3.653	1	.154		51.	20	38.3	9				*
17	AUG78	6113.3VV		25	242	5.70	3.70	-0.40	-	3.60	-2	.70	-7.	25	-7.0	0			*
17	AUG78	62 1.6HH		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	63 1.6HV		25	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	64 .4HH		25	242	-12.40	-13.60	-7.10	-1	8.10	-17	.70	-24.	70	-24.0	0			*
17	AUG78	65 .4HV		25	242	-24.80	-26.50	24.20	-3	1.40	-33	.20	-37.	70	-36.3	0			*
17	AUG78	664.75HH		25	242	6.73	5.03	1.56	-	2.16	-4	.95	-7.	46	-7.4	0			*
17	AUG78	674.75HV		25	242	-3.81	-5.67	11.51	-1	2.31	-13	.85	-16.	32	-15.3	5			*
17	AUG78	68 H	R	25	241	.	.	.	.	.	.	.	.	.	.	.	.	.	26.80*
17	AUG78	69HLHCVC		25	242	275.3	.	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	610FLD S	M	25	240	10.6	17.5												*
17	AUG78	611 LN S	M	25	242	10.6	17.5	21.5	27.2	2	1.0	26	.6	26.	3				*
17	AUG78	612 LN S	M	25	242	10.6	17.5	21.5	27.2	2	1.0	26	.6	26.	3				*
17	AUG78	613C OPH	R	25	242	335.9	.	.	.	.	.	.	.	.	.	.	.	.	*
17	AUG78	614 PRIS		25	242	26.7	.	.	.	.	.	51.	20	38.3	9				*
2	AUG78	1113.3VV		26	141	-1.30	-2.40	-5.90	-	7.80	-7	.20	-10.	50	-11.0	0			-11.40*
2	AUG78	12 1.6HH		26	141	-1.40	-6.00	-8.30	-	9.20	-11	.50	-14.	40	-16.8	0			-18.20*
2	AUG78	13 1.6HV		26	141	-18.10	-19.30	18.90	-1	8.70	-18	.50	-22.	00	-23.8	0			-24.40*
2	AUG78	14 .4HH		26	141	-16.10	-20.00	23.70	-2	5.10	-23	.50	-37.	50	-37.7	0			-34.30*
2	AUG78	15 .4HV		26	141	-30.30	-32.40	38.10	-3	9.70	-41	.80	-50.	40	-49.4	0			-46.80*
2	AUG78	164.75HH		26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV		26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 H	B	26	141	.	1.10	1.31	1.41	3	.14	.	.	.	.	.	.	.	24.03*
2	AUG78	19HLHCVC		26	141	.	268.2	271.1											*
2	AUG78	110FLD S	M	26	140	4.4	5.8												*
2	AUG78	111 LN S	M	26	141	14.9	9.1	7.5	11.4	1	3.5	21	.1	23.	0				*
2	AUG78	112 LN S	M	26	141	14.9	9.1	7.5	11.4	1	3.5	21	.1	23.	0				*
2	AUG78	113CLOPH	G	26	141	.	271.2	272.8											*
2	AUG78	114 PRIS		26	141	22.2	.	0.165	0	.955	.	47.	19	45.8	2				*
2	AUG78	1113.3VV		26	242	-3.40	-3.50	-6.80	-	9.20	-7	.70	-10.	70	-11.0	0			-11.90*
2	AUG78	12 1.6HH		26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	13 1.6HV		26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	14 .4HH		26	142	-12.40	-17.50	20.90	-2	4.40	-27	.40	-35.	00	-35.6	0			-34.10*
2	AUG78	15 .4HV		26	242	-26.80	-30.40	34.40	-3	7.40	-40	.40	-49.	60	-49.5	0			-47.90*
2	AUG78	164.75HH		26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	174.75HV		26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	18 H	B	26	241	.	.	.	.	.	.	.	.	.	.	.	.	.	24.03*
2	AUG78	19HLHCVC		26	242	238.4	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	110FLD S	M	26	240	4.4	5.8												*
2	AUG78	111 LN S	M	26	242	14.9	9.1	7.5	11.4	1	3.5	21	.1	23.	0				*
2	AUG78	112 LN S	M	26	242	14.9	9.1	7.5	11.4	1	3.5	21	.1	23.	0				*
2	AUG78	113CLOPH	G	26	242	239.5	.	.	.	.	.	.	.	.	.	.	.	.	*
2	AUG78	114 PRIS		26	242	24.9	.	.	.	.	.	47.	19	45.8	2				*
2	AUG78	2113.3VV		26	141	-0.70	-3.50	-5.80	-	8.60	-7	.70	-9.	70	-12.0	0			-11.70*
2	AUG78	22 1.6HH		26	141	-7.70	-11.70	14.40	-1	6.20	-19	.40	-21.	10	-22.1	0			-23.70*
5	AUG78	23 1.6HV		26	141	-19.70	-20.80	23.40	-2	3.40	-25	.10	-27.	00	-28.7	0			-28.90*
5	AUG78	24 .4HH		26	141	-14.73	-16.78	22.70	-2	7.90	-30	.20	-38.	20	-37.4	0			-36.40*
5	AUG78	25 .4HV		26	141	-25.60	-31.90	33.50	-4	1.80	-45	.40	-54.	20	-53.9	0			-50.10*
5	AUG78	264.75HH		26	141	3.37	2.02	17.69	-	9.09	-11	.03	-13.	16	-15.5	2			-15.42*
5	AUG78	274.75HV		26	141	-2.91	-8.14	15.70	-1	8.50	-20	.57	-23.	32	-24.1	2			-26.75*
5	AUG78	28 H	B	26	141	.	1.31	1.49	1.66	3	.50	.	.	.	.	.	.	.	25.39*
5	AUG78	29HLHCVC		26	141	.	278.9	282.1											*
5	AUG78	210FLD S	M	26	140	6.7	7.4												*
5	AUG78	211 LN S	M	26	141	7.2	7.7	8.4	13.3	1	1.2	24	.0	24.	7				*

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5	AUG78	212 LN S	M	26	141	7.2	7.7	8.4	13.3	1	1.2	24	.0	24.	7	*	
5	AUG78	213OLDPH	G	26	141		282.5	282.6								*	
5	AUG78	214 PRTS	G	26	141	23.2		0.149	0	.950		47.	19	45.8	2	*	
5	AUG78	2113.3VV	G	26	242	-2.80	-4.40	-7.00	-7	9.10	.60	-11.	50	-12.3	0	-11.90*	
5	AUG78	22 1.6HH		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	23 1.6HV		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	24 .4HH		26	242	-12.20	-20.10	23.60	-2	7.30	.10	-37.	90	-36.2	0	-34.50*	
5	AUG78	25 .4HV		26	242	-28.60	-31.70	38.70	-3	9.90	.20	-51.	60	-50.2	0	-46.60*	
5	AUG78	264.75HH		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	274.75HV		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	28 H	B	26	241	.	.	.	.	.	.	.	.	.	.	25.39*
5	AUG78	29HLHCVC		26	242	272.4	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	240	6.7	7.2						.6	23.	1	*	
5	AUG78	311 LN S	M	26	242	6.7	7.4	8.3	12.6	1	0.3	22	.6	23.	1	*	
5	AUG78	312 LN S	M	26	242	6.7	7.4	8.3	12.6	1	0.3	22	.6	23.	1	*	
5	AUG78	313OLDPH	G	26	242	279.8	47.	19	45.8	2	*
5	AUG78	314 PRTS	G	26	242	25.4	.	.	.	.	.	.	.	.	.	*
5	AUG78	3113.3VV		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	32 1.6HH		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	33 1.6HV		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	34 .4HH		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	35 .4HV		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	354.75HH		26	140	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	374.75HV		26	140	.	.	.	.	.	.	.	.	.	.	22.26*
5	AUG78	38 H	B	26	141	.	1.20	1.35	1.55	3	.50	.	.	.	.	*
5	AUG78	39HLHCVC		26	141	.	278.6	283.0	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	140	6.0	6.9						.5	25.	0	*	
5	AUG78	311 LN S	M	26	141	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	312 LN S	M	26	141	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	313OLDPH	G	26	141		282.4	283.3					47.	19	45.8	2	*
5	AUG78	314 PRTS	G	26	141	20.2		0.214	0	.971		47.	19	45.8	2	*	
5	AUG78	3113.3VV		26	242	-3.60	-3.90	-5.70	-1	0.10	-8	.40	-11.	20	-11.7	0	-11.10*
5	AUG78	32 1.6HH		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	33 1.6HV		26	240	.	.	.	.	.	.	.	.	.	.	*
5	AUG78	34 .4HH		26	242	-14.50	-17.20	20.50	-2	3.60	-25	.40	-33.	20	-30.6	0	-32.30*
5	AUG78	35 .4HV		26	242	-25.10	-29.70	33.70	-4	1.50	-47	.90	-52.	50	-51.8	0	-49.50*
5	AUG78	354.75HH		26	240	13.10	8.40	4.70		1.50	0	.30	-2.	30	-4.2	0	-4.50*
5	AUG78	374.75HV		26	240	17.70	8.20	4.70		1.90	1	.30	-3.	20	-4.9	0	-5.70*
5	AUG78	38 H	B	26	241	.	.	.	.	.	.	.	.	.	.	22.26*
5	AUG78	39HLHCVC		26	242	270.0	.	.	.	.	.	.	.	.	.	*
5	AUG78	310FLD S	M	26	240	6.0	6.9						.5	25.	0	*	
5	AUG78	311 LN S	M	26	242	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	312 LN S	M	26	242	6.7	7.1	9.2	14.2	1	1.7	24	.5	25.	0	*	
5	AUG78	313OLDPH	G	26	242	275.9	47.	19	45.8	2	*
5	AUG78	314 PRTS	G	26	242	21.7	.	.	.	.	.	.	.	.	.	*
11	AUG78	4113.3VV		26	141	-3.60	-5.10	-7.20	-1	9.90	-3	.90	-11.	30	-11.6	0	-12.40*
11	AUG78	42 1.6HH		26	141	-10.40	-14.20	15.70	-1	5.20	-15	.80	-19.	20	-20.1	0	-21.50*
11	AUG78	43 1.6HV		26	141	-20.20	-20.60	23.40	-2	4.00	-24	.50	-25.	10	-27.1	0	-27.30*
11	AUG78	44 .4HH		26	141	-15.57	-16.66	21.36	-2	2.62	-25	.77	-32.	31	-32.2	2	-31.86*
11	AUG78	45 .4HV		26	141	-23.50	-28.30	34.20	-3	5.40	-39	.66	-47.	74	-51.3	7	-45.84*
11	AUG78	464.75HH		26	140	12.20	9.20	4.80		1.70	0	.50	-1.	70	-3.7	0	-4.60*
11	AUG78	474.75HV		26	140	11.30	5.70	1.50		0.20	-2	.50	-5.	70	-6.9	0	-7.60*
11	AUG78	48 H	B	26	141	.	1.34	1.54	1.66	3	.52	.	.	.	.	41.08*
11	AUG78	49HLHCVC		26	141	.	254.7	298.8	.	.	.	.	.	.	.	*
11	AUG78	410FLD S	M	26	140	4.6	6.4						.8	24.	5	*	
11	AUG78	411 LN S	M	26	141	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	*	
11	AUG78	412 LN S	M	26	141	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	*	
11	AUG78	413OLDPH	G	26	141		298.2	298.9					47.	19	45.8	2	*
11	AUG78	414 PRTS	G	26	141	37.4		0.101	0	.544		47.	19	45.8	2	*	

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11	AUG78	4113.3VV	26	240
11	AUG78	42 1.6HH	26	240
11	AUG78	43 1.6HV	26	240
11	AUG78	44 .4HH	26	240
11	AUG78	45 .4HV	26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH	26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV	26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 N	B	26	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41.09*
11	AUG78	49HLHCVC	26	242	285.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	26	240	4.6	6.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	26	242	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	.	.	.	.	.	.	.
11	AUG78	412 LN S	M	26	242	4.8	6.6	9.1	14.2	1	2.3	24	.8	24.	5	.	.	.	.	.	.	.
11	AUG78	4130LDPH	G	26	242	294.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRT5	26	242	39.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	5113.3VV	26	143	-1.80	-3.50	-7.30	8.70	-7	.50	-11.	60	-11.2	19	45.8	2	.	.	.	.	.	-12.50*
14	AUG78	52 1.6HH	26	143	-7.80	-11.20	-13.90	3.50	-15	.10	-17.	30	-18.5	0	-20.30	0	.	.	.	.	.	-20.30*
14	AUG78	53 1.6HV	26	143	-19.10	-20.50	-22.70	2.30	-24	.00	-25.	10	-26.9	0	-26.70	0	.	.	.	.	.	-26.70*
14	AUG78	54 .4HH	26	143	-14.50	-15.62	-18.50	1.60	-23	.70	-31.	70	-33.6	5	-30.05	5	.	.	.	.	.	-30.05*
14	AUG78	55 .4HV	26	143	-25.30	-28.24	-32.30	6.20	-38	.90	-45.	40	-46.3	0	-41.16	0	.	.	.	.	.	-41.16*
14	AUG78	564.75HH	26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV	26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 N	B	26	141	.	1.12	1.31	1.44	3	.02	.	.	.	.	.	.	.	.	.	.	30.66*
14	AUG78	59HLHCVC	26	143	.	292.0	297.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	26	140	4.5	6.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	26	141	4.5	6.4	8.4	12.3	9.4	21	.0	22.	3	.	.	.	.	.	.	.	.
14	AUG78	512 LN S	M	26	141	4.5	6.4	8.4	12.3	9.4	21	.0	22.	3	.	.	.	.	.	.	.	.
14	AUG78	5130LDPH	G	26	143	.	296.5	297.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5	26	143	33.8	.	.	0.100	0	.946	.	47.	19	45.8	2	.	.	.	.	.	.	.
14	AUG78	5113.3VV	26	242	-2.40	-3.70	-6.20	8.60	-7	.20	-11.	30	-10.8	0	-11.40	0	.	.	.	.	.	-11.40*
14	AUG78	52 1.6HH	26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV	26	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH	26	242	-11.70	-15.80	-19.20	2.90	-24	.20	-30.	70	-30.4	0	-27.60	0	.	.	.	.	.	-27.60*
14	AUG78	55 .4HV	26	242	-23.00	-27.20	-33.60	6.10	-35	.90	-44.	60	-46.5	0	-44.30	0	.	.	.	.	.	-44.30*
14	AUG78	564.75HH	26	242	4.46	6.00	8.44	7.02	-8	.85	-11.	46	-11.9	4	-14.24	4	.	.	.	.	.	-14.24*
14	AUG78	574.75HV	26	242	4.16	6.13	8.42	6.14	-18	.08	-21.	65	-21.9	9	-25.62	9	.	.	.	.	.	-25.62*
14	AUG78	58 N	B	26	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	30.66*
14	AUG78	59HLHCVC	26	242	279.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	26	240	4.5	6.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	511 LN S	M	26	242	4.5	6.3	8.4	12.5	9.2	22	.0	23.	4	.	.	.	.	.	.	.	.
14	AUG78	512 LN S	M	26	242	4.5	6.3	8.4	12.5	9.2	22	.0	23.	4	.	.	.	.	.	.	.	.
14	AUG78	5130LDPH	G	26	242	287.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRT5	26	242	30.8	.	.	.	.	.	.	.	47.	19	45.8	2	.	.	.	.	.	.
17	AUG78	6113.3VV	26	141	-2.40	-3.80	-6.20	8.30	-7	.10	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	62 1.6HH	26	141	-2.60	-10.00	-16.30	8.50	-21	.50	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV	26	141	-19.00	-22.10	-22.90	2.50	-23	.60	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH	26	141	-13.30	-18.10	-19.40	3.10	-23	.40	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	65 .4HV	26	141	-24.70	-30.70	-33.90	6.70	-38	.90	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	664.75HH	26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV	26	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 N	B	26	141	.	1.30	1.50	1.63	3	.44	.	.	.	.	.	.	.	.	.	.	34.16*
17	AUG78	69HLHCVC	26	141	.	287.9	292.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	26	140	4.5	6.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	611 LN S	M	26	141	4.6	6.1	8.6	12.4	9.0	22	.8	25.	2	.	.	.	.	.	.	.	.
17	AUG78	612 LN S	M	26	141	4.6	6.1	8.6	12.4	9.0	22	.8	25.	2	.	.	.	.	.	.	.	.
17	AUG78	6130LDPH	G	26	141	.	292.0	293.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	614 PRT5	26	141	31.6	.	.	0.105	0	.945	.	47.	19	45.8	2	.	.	.	.	.	.	.
17	AUG78	6113.3VV	26	242	-1.80	-4.10	-7.30	7.70	-7	.50	-10.	10	-11.6	0	-11.40	0	-11.40*
17	AUG78	62 1.6HH	26	240
17	AUG78	63 1.6HV	26	240

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17	AUG70	80	242	113.50	117.50	21.50	0	0	1.70	130.	80	32.4	0	28.20*		
17	AUG70	65	242	100.00	100.00	0	0	0	0	0	60	46.8	0	46.90*		
17	AUG78	664.75HH	26	242	21.38	15.72	1	1	7.35	12.	54	12.9	9	15.21*		
17	AUG70	674.75HV	26	242	15.41	15.72	1	1	6.20	19.	64	21.3	7	25.44*		
17	AUG70	68 H	26	242	.	.	.	.	.	.	.	.	.	34.16*
17	AUG70	69HLHCVC	26	242	220.1	.	.	.	.	.	.	.	.	.
17	AUG70	110FLO S	26	242	24.6	6.0	.	.	11.0	2.6	21	.	.	.		
17	AUG70	111 LN S	26	242	.	6.0	.	.	11.0	2.6	21	.	.	.		
17	AUG70	112 LN S	26	242	.	6.0	.	.	11.0	2.6	21	.	.	.		
17	AUG70	1130LDPH	26	242	291.3	.	.	.	.	.	.	.	.	.
17	AUG70	114 PRYS	26	242	24.6	.	.	.	.	.	.	.	.	.
17	AUG70	1113.3VV	27	141	7.70	11.00	1	1	6.75	1.5	70	12.0	0	12.60*		
17	AUG70	12 1.6HH	27	141	16.70	16.00	1	1	4.20	1.5	50	20.3	0	23.80*		
17	AUG70	13 1.6HV	27	141	17.50	23.50	1	1	5.00	2.5	10	29.2	0	28.90*		
17	AUG70	14 .4HH	27	141	11.80	12.00	1	1	0.30	1.3	70	35.7	0	37.50*		
17	AUG70	15 .4HV	27	141	20.00	29.00	1	1	0.60	1.5	90	49.5	0	49.50*		
17	AUG70	164.75HH	27	140	.	.	.	.	.	.	.	.	.	.
17	AUG70	174.75HV	27	140	.	.	.	.	.	.	.	.	.	.
17	AUG70	18 H	27	141	.	1.22	.	.	2.26	7	.	.	.	23.33*		
17	AUG70	19HLHCVC	27	141	.	247.6	.	.	252.0	.	.	.	.	.
17	AUG70	110FLO S	27	140	29.7	20.8	.	.	.	.	.	.	.	.
17	AUG70	111 LN S	27	141	.	.	.	.	.	.	.	.	.	.
17	AUG70	112 LN S	27	141	.	.	.	.	.	.	.	.	.	.
17	AUG70	1130LDPH	27	141	.	254.7	.	.	255.4	.	.	.	.	.
17	AUG70	114 PRYS	27	141	21.7	2.770	1	1	1.25	.	38.	62	33.3	4	33.3	
17	AUG70	1113.3VV	27	242	5.40	2.00	1	1	7.30	7	40	12.0	0	11.50*		
17	AUG70	12 1.6HH	27	240	.	.	.	.	.	.	.	.	.	.
17	AUG70	13 1.6HV	27	240	.	.	.	.	.	.	.	.	.	.
17	AUG70	14 .4HH	27	242	15.50	17.10	1	1	5.47	29	30	36.	90	35.9	0	40.70*
17	AUG70	15 .4HV	27	242	23.35	27.30	1	1	7.90	42	50	48.	90	49.1	0	46.70*
17	AUG70	164.75HH	27	240	
17	AUG70	174.75HV	27	240	
17	AUG70	18 H	27	241	
17	AUG70	19HLHCVC	27	242	224.7	23.33*	
17	AUG70	110FLO S	27	240	29.7	20.8	
17	AUG70	111 LN S	27	242	
17	AUG70	112 LN S	27	242	
17	AUG70	1130LDPH	27	242	225.7	
17	AUG70	114 PRYS	27	242	23.3	
17	AUG70	1113.3VV	27	141	5.20	11.00	1	1	9.50	7	70	10.	90	6.8	0	7.10*
17	AUG70	22 1.6HH	27	141	12.20	17.60	1	1	0.70	22	80	24.	90	26.6	0	27.90*
17	AUG70	23 1.6HV	27	141	17.70	24.40	1	1	5.20	26	20	28.	70	31.0	0	30.60*
17	AUG70	24 .4HH	27	141	5.28	9.49	1	1	8.36	25	20	34.	34	34.9	6	37.35*
17	AUG70	25 .4HV	27	141	21.75	24.40	1	1	2.70	39	80	49.	20	48.8	0	45.70*
17	AUG70	264.75HH	27	141	6.75	1.24	1	1	0.87	11	75	15.	57	16.0	5	17.33*
17	AUG70	274.75HV	27	141	2.51	7.59	1	1	7.48	19	77	23.	31	24.0	3	24.44*
17	AUG70	28 H	27	141	.	1.10	.	.	2.05	6	48	.	.	.	20.61*	
17	AUG70	29HLHCVC	27	141	.	271.2	.	.	275.3	
17	AUG70	210FLO S	27	140	15.4	21.4	
17	AUG70	211 LN S	27	141	11.2	18.6	.	.	19.2	1	8.2	19	14	18.	3	.
17	AUG70	212 LN S	27	141	11.2	18.6	.	.	19.2	1	8.2	19	14	18.	3	.
17	AUG70	2130LDPH	27	141	.	274.0	.	.	274.5	
17	AUG70	214 PRYS	27	141	19.2	2.528	1	1	1.31	.	38.	62	33.3	4	33.3	
17	AUG70	2113.3VV	27	242	5.60	0.60	1	1	4.90	9	10	11.	10	12.8	.	.
17	AUG70	22 1.6HH	27	240	
17	AUG70	23 1.6HV	27	240	
17	AUG70	24 .4HH	27	242	5.17	13.00	1	1	9.40	25	40	34.	58	34.5	7	38.34*
17	AUG70	25 .4HV	27	242	17.00	22.60	1	1	2.10	39	10	47.	62	46.2	4	46.03*
17	AUG70	264.75HH	27	240	

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5	AUG78	274.75HV		27	240	20.61*
5	AUG78	28 H	A	27	241
5	AUG78	29HLHCVC	M	27	242	241.3
5	AUG78	210FLD S	M	27	240	15.4	21.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	M	27	242	15.4	21.4	22.8	21.9	2	1.2	23	.8	21.	2	.	.	.	.	.	.
5	AUG78	212 LN S	M	27	242	15.4	21.4	22.8	21.9	2	1.2	23	.8	21.	2	.	.	.	.	.	.
5	AUG78	2130LDPH	K	27	242	248.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRT5		27	242	21.2	.	.	.	.	.	.	38.	52	33.3	4	.	.	.	.	.
8	AUG78	3113.3VV		27	141	4.60	0.80	-7.40	7.00	-5	.70	-9.	00	-11.4	0	-11.40*	.	.	.	.	.
8	AUG78	32 1.6HH		27	141	3.30	-7.20	12.10	3.90	-16	.30	-17.	50	-20.9	0	-21.40*	.	.	.	.	.
8	AUG78	33 1.6HV		27	141	-16.80	-19.90	23.50	2.20	-24	.40	-26.	20	-27.5	0	-29.20*	.	.	.	.	.
8	AUG78	34 .4HH		27	141	-4.24	-13.90	20.20	4.90	-29	.10	-33.	10	-34.3	4	-33.56*	.	.	.	.	.
8	AUG78	35 .4HV		27	141	-19.76	-26.90	33.60	7.90	-43	.00	-49.	80	-50.8	0	-49.30*	.	.	.	.	.
8	AUG78	364.75HH		27	140	18.00	11.10	6.10	2.50	0	.40	-12.	60	-3.6	0	-5.90*	.	.	.	.	.
8	AUG78	374.75HV		27	140	15.40	.70	5.50	2.60	3	.50	-1.	70	-3.1	0	-3.90*	.	.	.	.	.
8	AUG78	38 H	A	27	141	.	.15	0.70	2.15	8	.20	.	.	.	.	.	.	.	.	.	20.17*
8	AUG78	39HLHCVC		27	141	.	263.1	266.9	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	27	140	18.2	22.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S	M	27	141	15.6	20.5	22.5	21.5	2	0.0	22	.5	21.	5	.	.	.	.	.	.
8	AUG78	312 LN S	M	27	141	15.6	20.5	22.5	21.5	2	0.0	22	.5	21.	5	.	.	.	.	.	.
8	AUG78	3130LDPH	K	27	141	.	266.4	268.8	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRT5		27	141	18.3	.	3.643	.159	-5	.30	-10.	50	-11.0	0	.	.	.	.	.	.
8	AUG78	3113.3VV		27	242	4.20	0.80	-3.20	6.80	-5	.30	-10.	50	-11.0	0	.	.	.	.	.	.
8	AUG78	32 1.6HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	33 1.6HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	34 .4HH		27	242	-4.00	-16.00	22.10	6.30	-29	.10	-35.	10	-33.4	0	-31.20*	.	.	.	.	.
8	AUG78	35 .4HV		27	242	-16.30	-23.30	34.90	8.90	-45	.90	-49.	80	-49.4	0	-46.40*	.	.	.	.	.
8	AUG78	364.75HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	374.75HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	38 H	A	27	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20.17*
8	AUG78	39HLHCVC		27	242	244.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	310FLD S	M	27	240	18.2	22.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	311 LN S	M	27	242	15.6	20.5	22.5	21.5	2	0.0	22	.5	21.	5	.	.	.	.	.	.
8	AUG78	312 LN S	M	27	242	15.6	20.5	22.5	21.5	2	0.0	22	.5	21.	5	.	.	.	.	.	.
8	AUG78	3130LDPH	K	27	242	247.7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	AUG78	314 PRT5		27	242	18.7	.	.	.	.	.	.	38.	62	33.3	4	.	.	.	.	.
11	AUG78	4113.3VV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 H	A	27	141	.	0.95	0.57	2.25	8	.34	.	.	.	.	.	.	.	.	.	26.74*
11	AUG78	49HLHCVC		27	141	.	271.3	275.8	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	410FLD S	M	27	140	19.3	23.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	411 LN S	M	27	141	23.2	25.2	26.2	23.7	2	5.2	23	.9	21.	3	.	.	.	.	.	.
11	AUG78	411 LN S	M	27	141	23.2	25.2	26.2	23.7	2	5.2	23	.9	21.	3	.	.	.	.	.	.
11	AUG78	4130LDPH	K	27	141	.	278.0	279.4	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	414 PRT5		27	141	23.9	.	3.973	.171	1	.38	62	33.3	4	.	.	.	.	.	.	.
11	AUG78	4113.3VV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	42 1.6HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	43 1.6HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	44 .4HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	45 .4HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	464.75HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	474.75HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	AUG78	48 H	A	27	241	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26.74*
11	AUG78	49HLHCVC		27	242	247.9	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

11	AUG78	410FLD S	H	27	240	19.2	23.5												
11	AUG78	411 LN S	M	27	141	23.2	25.2	26.2	23.7	2	5.2	23	.9	21.	3				
11	AUG78	411 LN S	M	27	141	23.2	25.2	26.2	23.7	2	5.2	23	.9	21.	3				
11	AUG78	413CLDPN	K	27	242	255.8													
11	AUG78	414 PRTS		27	242	24.6													
14	AUG78	5113.3VV		27	143	0.99	-1.53	-5.18	-	7.18	-5	.00	38.	62	33.3	4			
14	AUG78	52 1.6HH		27	143	2.68	-7.76	13.00	-1	4.80	-17	.10	-25.	50	-22.9	0			-10.60*
14	AUG78	53 1.6HV		27	143	-16.10	-15.95	22.60	-2	3.75	-24	.60	-27.	50	-28.7	0			-25.00*
14	AUG78	54 .4HH		27	143	-14.54	-11.90	15.27	-2	1.50	-25	.60	-29.	90	-31.9	0			-31.40*
14	AUG78	55 .4HV		27	143	-15.91	-24.43	30.41	-3	2.10	-39	.5	-44.	70	-47.5	0			-45.82*
14	AUG78	564.75HH		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	574.75HV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	58 M	A	27	141	.	0.91	0.51	2.42	9	.46	.	.	.	.	.	.	24.64*	
14	AUG78	59HLHCVC		27	143	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	27	140	11.2	18.7												
14	AUG78	511 LN S	M	27	141	12.1	20.3	20.2	19.7	1	6.1	23	.3	21.	0				
14	AUG78	512 LN S	M	27	141	12.1	20.3	20.2	19.7	1	8.1	23	.3	21.	0				
14	AUG78	513CLDPN	K	27	143	.	227.7	289.3											
14	AUG78	514 PRTS		27	143	24.1	4.554	1	.182			38.	62	33.3	4				
14	AUG78	5113.3VV		27	242	2.20	-1.60	-5.40	-	7.50	-7	.40	-10.	20	-10.9	0			-10.40*
14	AUG78	52 1.6HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	53 1.6HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	54 .4HH		27	242	-4.30	-12.40	18.30	-2	3.60	-27	.90	-31.	30	-33.1	0			-33.90*
14	AUG78	55 .4HV		27	242	-15.90	-24.90	34.50	-3	6.50	-40	.70	-45.	90	-46.3	0			-44.00*
14	AUG78	564.75HH		27	242	10.62	2.07	-3.06	-	6.57	-8	.52	-11.	62	-13.6	2			-14.26*
14	AUG78	574.75HV		27	242	-2.81	-6.67	13.26	-1	4.65	-17	.46	-20.	38	-21.1	2			-23.19*
14	AUG78	58 M	A	27	241	.	.	.	.	.	.	.	.	.	.	.	.	.	24.64*
14	AUG78	59HLHCVC		27	242	255.8	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	510FLD S	M	27	240	11.2	12.7												
14	AUG78	511 LN S	M	27	242	8.9	16.2	15.1	16.3	1	5.3	18	.2	17.	3				
14	AUG78	512 LN S	M	27	242	8.9	16.2	16.1	15.3	1	5.3	18	.2	17.	3				
14	AUG78	513CLDPN	K	27	242	263.3	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG78	514 PRTS		27	242	23.6	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	6113.3VV		27	141	3.20	-2.00	-7.50	-	9.80	-8	.60	38.	62	33.3	4			
17	AUG78	62 1.6HH		27	141	-4.60	-5.10	13.00	-1	4.70	-15	.20	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		27	141	-18.90	-22.50	20.60	-2	4.10	-27	.70	.	.	.	.	.	.	.
17	AUG78	64 .4HH		27	141	-7.42	-15.40	20.70	-2	6.23	-29	.84	.	.	.	.	.	.	.
17	AUG78	65 .4HV		27	141	-20.39	-23.40	31.20	-3	5.20	-37	.20	.	.	.	.	.	.	.
17	AUG78	664.75HH		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	674.75HV		27	140	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	68 M	A	27	141	.	1.39	1.15	2.37	6	.91	.	.	.	.	.	.	.	30.28*
17	AUG78	69HLHCVC		27	141	.	282.5	282.2											
17	AUG78	610FLD S	M	27	140	5.5	10.8												
17	AUG78	611 LN S	M	27	141	4.3	8.4	11.5	12.1	1	0.6	14	.7	15.	9				
17	AUG78	612 LN S	M	27	141	4.3	8.4	11.5	12.1	1	0.6	14	.7	15.	9				
17	AUG78	613CLDPN	K	27	141	.	286.3	290.1											
17	AUG78	614 PRTS		27	141	28.2	2.459	1	.102			38.	62	33.3	4				
17	AUG78	6113.3VV		27	242	3.40	-1.80	-6.70	-	9.50	-9	.00	-12.	80	-12.9	0			-12.50*
17	AUG78	62 1.6HH		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	63 1.6HV		27	240	.	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	64 .4HH		27	242	-2.90	-14.40	19.60	-2	5.40	-28	.10	-35.	30	-36.9	0			-36.30*
17	AUG78	65 .4HV		27	242	-15.40	-24.20	31.90	-3	5.20	-40	.80	-47.	70	-47.3	0			-45.40*
17	AUG78	664.75HH		27	242	8.50	-1.50	-5.66	-	9.50	-12	.42	-16.	43	-15.8	4			-17.92*
17	AUG78	674.75HV		27	242	-4.43	-8.78	14.86	-1	7.74	-19	.20	-23.	39	-21.9	9			-24.55*
17	AUG78	68 M	A	27	241	.	.	.	.	.	.	.	.	.	.	.	.	.	30.28*
17	AUG78	69HLHCVC		27	242	271.3	.	.	.	.	.	.	.	.	.	.	.	.	.
17	AUG78	610FLD S	M	27	240	5.5	10.8												
17	AUG78	611 LN S	M	27	242	5.5	10.8	13.8	14.7	1	2.5	8	.4	18.	4				
17	AUG78	612 LN S	M	27	242	5.5	10.8	13.8	14.8	1	2.5	18	.4	18.	4				

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17	AUG78	6130LDPN	K	27	242	278.4	38.	62	33.3	4	.	.
17	AUG78	614 PRTS		27	242	21.5
5	AUG78	2113.3VV	CI	191		1.80	-0.70	15.20	1	0.30	10	.60	16.	79	-11.4	0	-10.60*
5	AUG78	22 1.6HH	CI	191		-8.50	-0.00	13.10	1	0.10	10	.80	11.	50	-12.1	0	-14.70*
5	AUG78	23 1.6HV	CI	191		-15.60	-15.10	13.50	1	0.10	10	.80	13.	50	-14.2	0	-14.80*
5	AUG78	24 .4HH	CI	191		-4.80	-10.20	16.50	1	0.20	10	.60	29.	00	-26.0	0	-25.70*
5	AUG78	24 .4HV	CI	191		-12.60	-23.50	26.60	1	0.80	23	.90	33.	29	-34.0	0	-33.30*
5	AUG78	264.75HH	CI	191		8.90	6.90	4.10		2.40	1	.00	0.	10	-1.0	0	-2.30*
5	AUG78	274.75HV	CI	191		7.20	6.00	0.60		1.50	0	.50	-3.	40	-3.8	0	-5.70*
5	AUG78	28HH	C	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	CI	191		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	H	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	CI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	22 1.6HH	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	25 .4HV	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	264.75HH	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28HH	C	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	CI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	H	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	CI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	MI	191		4.60	1.00	12.50	1	0.10	10	.80	40	49.6	0	0.40*	
5	AUG78	22 1.6HH	MI	191		-4.40	-9.70	17.00	1	0.50	10	.70	40	19.6	0	0.40*	
5	AUG78	23 1.6HV	MI	191		-17.70	-17.90	17.00	1	0.50	10	.70	40	19.6	0	0.40*	
5	AUG78	24 .4HH	MI	191		-4.50	-14.20	21.00	1	0.20	10	.60	33.	90	-55.4	0	-55.00*
5	AUG78	24 .4HV	MI	191		-12.70	-23.80	30.90	1	0.70	39	.60	42.	00	-74.1	0	-73.70*
5	AUG78	264.75HH	MI	191		11.90	7.80	4.40		1.60	1	.00	1.	40	-1.0	0	-3.30*
5	AUG78	274.75HV	MI	191		7.20	5.00	0.10		0.00	2	.10	4.	30	-3.3	0	-7.70*
5	AUG78	28HH	L	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	MI	191		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	H	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	MI	191	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2113.3VV	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	22 1.6HH	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	23 1.6HV	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	24 .4HH	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	25 .4HV	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	264.75HH	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	274.75HV	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	28HH	L	MI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	29HLHCVC	MI	292		.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	210FLD S	H	MI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	211 LN S	N	MI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	212 LN S	N	MI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	2130LDPN	:	MI	292	.	.	.	.	.	.	.	.	.	.	.	.
5	AUG78	214 PRTS	:	MI	292
5	AUG78	2113.3VV	C2	191		5.40	1.80	-2.80	-	4.20	-3	.60	-7.	50	-7.5	0	-8.80*

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U	AUG78	22	1.6HH	C2	191	14.80	17.10	13.00	1	6.40	3	.70	15	70	13.1	0	12.40*
U	AUG78	23	1.6HV	C2	191	115.00	113.90	113.30	1	5.40	1	.40	11	90	15.0	0	16.40*
U	AUG78	25	.4HH	C2	191	111.90	117.30	110.20	1	8.30	24	.60	26	20	27.3	0	26.40*
U	AUG78	24	.4HV	C2	191	20.80	23.80	24.20	2	7.90	29	.40	31	50	33.0	0	32.90*
U	AUG78	264.75HH	C2	191	11.30	8.40	6.40		5.30	3	.70	1	29	2.0	0	1.10*	
U	AUG78	274.75HV	C2	191	8.60	7.10	2.40		2.40	1	.10	2	29	1.3	0	5.40*	
U	AUG78	28HH	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	29HLHCVC	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	210FLD S	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	211 LN S	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	212 LN S	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2130LDPH	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	214 PRTS	C2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2113.3VV	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	23 1.6HH	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	23 1.6HV	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	24 .4HH	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	25 .4HV	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	264.75HH	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	274.75HV	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	28HH	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	29HLHCVC	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	210FLD S	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	211 LN S	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	212 LN S	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2130LDPH	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	214 PRTS	C2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2113.3VV	M2	292	5.10	5.10	5.10	1	2.10	2	.70	8	50	6.5	0	0.50*	
U	AUG78	22 1.6HH	M2	292	5.20	5.20	5.20	1	6.00	13	.00	17	50	5.5	0	0.50*	
U	AUG78	23 1.6HV	M2	191	15.40	17.50	18.50	1	8.00	19	.80	21	50	22.5	0	24.90*	
U	AUG78	25 .4HH	M2	191	17.50	11.90	18.50	1	6.00	23	.30	33	90	9.9	0	9.90*	
U	AUG78	24 .4HV	M2	191	20.20	21.00	25.50	2	3.50	33	.40	37	50	2.5	0	2.50*	
U	AUG78	264.75HH	M2	191	14.00	10.80	7.70		4.80	2	.50	0	50	2.2	0	2.20*	
U	AUG78	274.75HV	M2	191	7.60	5.40	0.80	1	0.50	3	.20	5	60	4.6	0	4.60*	
U	AUG78	28HH	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	29HLHCVC	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	210FLD S	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	211 LN S	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	212 LN S	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2130LDPH	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	214 PRTS	M2	191	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2113.3VV	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	23 1.6HH	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	23 1.6HV	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	24 .4HH	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	25 .4HV	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	264.75HH	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	274.75HV	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	28HH	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	29HLHCVC	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	210FLD S	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	211 LN S	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	212 LN S	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2130LDPH	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	214 PRTS	M2	292	.	.	.	.	.	.	.	.	.	.	.	.	.
U	AUG78	2113.3VV	C3	191	6.10	1.40	3.80	1	4.10	4	.50	7	90	7.8	0	9.40*	
U	AUG78	22 1.6HH	C3	191	2.20	5.80	5.80	1	7.40	8	.40	10	70	12.3	0	13.50*	
U	AUG78	23 1.6HV	C3	191	13.20	13.80	13.10	1	2.50	11	.10	13	60	15.6	0	16.00*	
U	AUG78	25 .4HH	C3	191	8.60	16.10	19.40	1	1.50	22	.30	28	40	28.3	0	26.90*	

S	AUG78	24 .4HV	C3	191	-12.60	-26.70	-28.90	-5	0.10	-52	.40	-35.	80	-36.3	0	-35.60*
S	AUG78	264.75HH	C3	191	12.10	8.90	5.50	5	3.90	2	.60	1.	80	2.2	0	-0.80*
S	AUG78	274.75HV	C3	191	9.50	6.00	3.30	3	3.00	0	.20	-3.	40	-2.8	0	-5.50*
S	AUG78	28HH	C	C3	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	29HLHCVC	C3	191	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	210FLD S	M	C3	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	211 LN S	M	C3	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	212 LN S	M	C3	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2130LDPH	(	C3	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	214 PRT5	C3	191	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2113.3VV	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	22 1.6HH	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	23 1.6HV	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	24 .4HH	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	25 .4HV	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	264.75HH	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	274.75HV	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	28HH	C	C3	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	29HLHCVC	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	210FLD S	M	C3	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	211 LN S	M	C3	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	212 LN S	M	C3	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2130LDPH	(	C3	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	214 PRT5	C3	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2113.3VV	C4	191	1.30	0.00	14.10	1	4.50	5	.50	19.	50	18.7	0	18.50*
S	AUG78	22 1.6HH	C4	191	16.40	8.10	15.50	1	7.60	9	.60	10.	20	13.0	0	13.00*
S	AUG78	23 1.6HV	C4	191	115.50	15.00	13.70	1	2.70	13	.20	14.	60	14.6	0	16.60*
S	AUG78	25 .4HH	C4	191	112.30	16.40	17.70	2	1.50	22	.50	27.	90	27.9	0	27.50*
S	AUG78	24 .4HV	C4	191	119.40	25.20	24.60	2	9.00	29	.20	34.	10	34.9	0	32.90*
S	AUG78	264.75HH	C4	191	9.70	8.10	5.50	2	3.10	2	.40	0.	40	0.9	0	2.40*
S	AUG78	274.75HV	C4	191	8.00	8.10	2.40	0	3.10	0	.10	4.	20	3.2	0	6.60*
S	AUG78	28HH	C	C4	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	29HLHCVC	C4	191	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	210FLD S	M	C4	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	211 LN S	M	C4	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	212 LN S	M	C4	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2130LDPH	(	C4	191	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	214 PRT5	C4	191	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	2113.3VV	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	22 1.6HH	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	23 1.6HV	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	24 .4HH	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	25 .4HV	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	264.75HH	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	274.75HV	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	28HH	C	C4	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	29HLHCVC	C4	292	.	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	210FLD S	M	C4	292	.	.	.	.	.	.	.	.	.	.	.
S	AUG78	211 LN S	M	C4	292
S	AUG78	212 LN S	M	C4	292
S	AUG78	2130LDPH	(C4	292
S	AUG78	214 PRT5	C4	292

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APPENDIX C

FIELD NOTES FROM THE DALHART STUDY

FIELD 1/2

CROP DESCRIPTION - row crop corn near maturity
corn was dense and sample points well shaded, generally
the taller the corn the denser
corn around perimeter ≈4-5 feet tall

FIELD 1 ----- Point 1 corn is short and stressed
Points 4,6,7 corn is 5-6 feet tall
Points 2,3,5,8 corn is 6-7.5 feet tall

FIELD 2 ----- Points 1,2,3,7 corn is 5.5-6 feet tall
Points 4,5,6,8 corn is 7-8 feet tall

ROW DIRECTION - east/west

SOIL CHARACTERISTICS -

FIELD 1 ----- Points 1,3 clay pan at ~8-10 cm
Points 6 clay pan at ~15 cm

FIELD 2 ----- Points 1,5 clay below ~15 cm

RIG SCHEDULE - full circle in ~11 days; continuous irrigation

SPECIAL NOTES - fields were not sampled on August 19 due to pesticide
spraying, weeds were prevalent throughout the field

FIELD 3/4

CROP DESCRIPTION - drilled, immature millet
~10" between rows

FIELD 3 ----- millet shorter than in FIELD 4

ROW DIRECTION - East/West. There was a 10 - 15 foot set of circular rows around the perimeter of the field (no sample points were within this area).

- SOIL CHARACTERISTICS - clod size 3-4 inches.
dry crusty surfaces unless under rig
most points moist below 6 cm

RIG SCHEDULE - full circle in ~5 days
the rig was off August 16-18.

SPECIAL NOTES - Growth of the millet was quite rapid. In observations in our first time period (late July - early August) the field was bare with the millet just beginning to sprout. By the time we resumed the project 1½ weeks later, the millet was 1 foot tall. By August 16, the crop was as high as 18 inches tall and very dense.

FIELD 5/6

CROP DESCRIPTION - pasture with blue gramma (3-4"), short brown grasses
scattered yucca (2-3" tall)
grass cover - 70-90%
yucca more dense towards north

ROW DIRECTION - none

SOIL CHARACTERISTICS - fairly consistent throughout entire field
moisture was still maintained below 2 cm 4 days
after rain

FIELD 5 ----- Point 4 on hill; drier than other points
Point 2 near watering hole; hard, compacted by
cattle

RIG SCHEDULE - no rig

SPECIALL NOTES - pasture responded to August 14 due to rain

FIELD 7/8

CROP DESCRIPTION - Row crop corn near maturity, ~7.5 feet tall (6-8'), corn is more uniform in height all the way to the edge than the other fields.

ROW DIRECTION - East/West

SOIL CHARACTERISTICS -

FIELD 7 ----- 8/13 - moist to 45 cm

8/15 - wet to 45 cm

8/17 - moist to 45 cm

8/19 - surface wet then moist to 45 cm

FIELD 8 ----- 8/13 - Point 1 had damp surface, damp below
Points 2 and 4 under water
all other points damp or moist to 45 cm

8/15 - all points wet to very wet to 45 cm

8/17 - Point 2 under water
Point 4 driest in field
all other points moist to 45 cm

8/19 - ~ $\frac{1}{2}$ of the points dry surface, moist to 45 cm
other points moist surface, moist to 45 cm

RIG SCHEDULE - 6 day cycle; continuous irrigation

FIELD 9/10

CROP DESCRIPTION - ~5-7 foot row crop corn near maturity
corn generally taller on west side of field, up to
9 feet
generally, the points in the east side of the fields
had less shade from crown closure due to grasshopper
attack, leaves were very sparse in some areas

ROW DIRECTION - East/West

SOIL CHARACTERISTICS - generally sandy and easy to work at all depths
even when irrigation had not been present for
several days

FIELD 9 ----- Point 8 and general area was usually quite wet;
soil more compacted and higher clay content

RIG SCHEDULE - ~7 day cycle

SPECIAL NOTES - pesticides sprayed 8/16

there was an area of about 20 feet across running
East/West through South side of FIELD 10 where no
corn existed; grass 2-3 feet tall was thick

most points were grassy with dense grass on west side
volunteer weeds up to 10 feet tall were present through-
out the fields

FIELD 11/12

CROP DESCRIPTION - row crop corn near maturity

FIELD 11 ---- ~8-10 feet tall with south field a little shorter than
north field
average 85% shade

ROW DIRECTION - East/West

SOIL CHARACTERISTICS - generally sandy, easy to sample

FIELD 11 ---- clay at points 2,6,7, few weeds
point 2 always saturated or very wet
8/13 - moist at all points and depths, point 2 surface
very wet
8/15 - moist at all points and depths, points 2,4,6
surface very wet
8/17 - moist at all points and depths, point 2 standing
in water
8/19 - moist at all points and depths, points 6,8 no
samples because standing in water

FIELD 12 ---- 8/13 - moist all depths, point 1 and 2 more clay
point 8 30 cm, hard caliche
8/15 - surface wet on points 1,2,3, all other points
and depths moist
8/17 - moist to all points and depths
8/19 - moist to all points and depths

RIG SCHEDULE - 3 days full cycle circle; the rig had stopped August 15,
unsure of its exact location

FIELD 13/14

CROP DESCRIPTION - ripped and mulched stubble with volunteer weeds on the half of the field running Northeast/Southwest to the western side of the line - weeds 12-14 inches, very dense, decreasing in density and height as move to the Southwest part of field. Weeds did not exist in the first project period. August 14 - cows grazing.

ROW DIRECTION - Northeast/Southwest

SOIL CHARACTERISTICS - sandy surface, dry but soft, moist below 2-4 cm
clod size 6 inches

RIG SCHEDULE - rig off during entire period; oriented Northeast

SPECIAL NOTES - there was a ring of standing stubble (6-12 inches tall, ~10-20 feet wide) around the perimeter of the field, then a ring of mulched then the weeds.

FIELD 15/16

CROP DESCRIPTION - bar? with patches of stubble

ROW DIRECTION - Northeast/Southwest

SOIL CHARACTERISTICS - the field since period one has been burned so it is very clean with only a couple patches of standing stubble here and there.

FIELD 15 ----- 8/14 - points 1,2, and 3 plowed rough, rest of field smooth

light precipitation at 9:30 am

8/16 - points generally dry at surface, moist to ~10 cm

8/18 - area of rough surface drier than other points which are dry at surface and below ~15 cm

FIELD 16 ----- 8/14 - all points but 8 are rough

8/16 - points 5, and 7 sandy
top 1 cm dry, moist below to 10 cm on all points but 8 (which was moist all the way down under dry surface)

8/18 - points generally dry at surface (top 2 cm) and moist to 7 cm
points 7 and 8 moist all the way down

RIG SCHEDULE - the rig was never on - Southwest orientation

SPECIAL NOTES - a swale runs through the field Northwest/Southeast (Carrizo Creek)
there are two strips of stubble, one disked running Southwest/Northeast through the circle and one standing running from pivot due West to edge of field

FIELD 17/18

CROP DESCRIPTION - standing stubble, 12 inches tall

ROW DIRECTION - none

SOIL CHARACTERISTICS -

FIELD 17 ----- 8/18 - dry to 5 inches, moist to 15 inches, then dry
points 4,6,7 were very dry

RIG SCHEDULE - rig never on, Northeast orientation

FIELD 19/20

CROP DESCRIPTION - disked stubble with ring of weeds around the outer
edge of the field

ROW DIRECTION - Northeast/Southwest

SOIL CHARACTERISTICS -

FIELD 19 - 8/13 - 0-8 cm powdery surface
8/15 - points 1,6,8 moist to 10 cm, rest to 15 cm
8/17 - top 4 cm dry 5-15 moist

FIELD 20 - sandy to 10 cm; clay pan below
8/15 - wet to 10-15 cm

RIG SCHEDULE - never moved, Southwest orientation

SPECIAL NOTES - blow out area on South side of circle (FIELD 20)
section SE-NW was chiseled
blowout covered at least $\frac{1}{4}$ of FIELD 20 and there was
area between points 5,7,8, in FIELD 19 that was in the
same condition
field fertilized prior to 8/13

FIELD 19 - 8/19 - point 3 in chiseled area - fertilized here

FIELD 21/22

CROP DESCRIPTION - disked stubble, planted in wheat, volunteer grass ~3-4"

ROW DIRECTION - Northeast/Southwest, most pronounced row direction in
the bare fields, ring of circular rows around perimeter of
field

SOIL CHARACTERISTICS - soft

FIELD 21 ----- 8/13 - moist 7-15 cm
8/15 - points 1 and 3 driest at 15 cm; others wet
below that
8/17 - top 4 cm dry, moist to 15 cm
8/19 - top 4 cm dry, moist to 15 cm

FIELD 22 ----- 8/13 - samples taken on top of furrows
field has been plowed

RIG SCHEDULE - Northeast, no irrigation

SPECIAL NOTES - 8/15 - fertilized

APPENDIX D

FINAL DATA SET FOR DALHART, TEXAS

DALHART - HEADER INFORMATION FOR DATA BASE

Each field has a set of 14 cards for each date.

Each card has the following information in columns 1-24:

1-2	Day
4-8	Month/year
9	Flight # (1 through 4)
10-11	Card # (1 through 14)
12-17	Sensor or SM
19-20	Field # (1 through 22)
22-23	Line
24	Run

Card 13 (column 17) has a one digit character unique to each field. For Dalhart those characters are numbers and symbols. For example field 1 is 1, field 2 is 2,.....field 12 is +.

Card 8 in each set has a one to two digit field symbol (column 16-17) to describe the crop type. they are as follows:

C= corn	L= milo
P= pasture	
T= millet	
DS= disked stubble	
MS= mulched stubble	
WS= wheat stubble	

In cases where field 13/14 are each divided into weeds and bare they are symbolized by BS (bare stubble) or VS (vegetated stubble).

Columns 26-80 list all the ground and aircraft averages for each field.

COLUMNS

		26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
#1-7	Scatts	5°	10°	15°	20°	25°	35°	40°	45°
8	NSOC1	Ch 1	2	3	4	5	6	7	8
9	MFMR	HL	HC	VC	#pts	#pts	#pts		
10	SM	0-2cm	2-5	5-15	0-15	15-30	30-45		
11-12	SM	"	"	"	"	"	"	*	**

DALHART - HEADER INFORMATION FOR DATA BASE

(cont'd from pg. 1)

COLUMNS

CARDS

	26-31	33-38	40-45	47-52	54-59	61-66	68-73	75-80
13	wet wt. biomass (g/m ²)	dry wt. biomass (g/m ²)			yield (lb/acre)			
14	PRT-5	°C	#pts	PVI	TVI			

- * Card 11, columns 68-75 list the points used in the MRMR field averages.
Card 12, columns 68-75 list the points used in the Scatt field averages.
- ** #1 in column 77 denotes fields that were flagged and averaged by hand.

Blanks in the data base where values normally exist, mean the values are not available or have been deleted.

DALHART FIELD CHARACTERS

The following characters designate each field in the data base outputs and computer graphs

FIELD	CHARACTER
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	0
11	-
12	+
13	<
14	>
15	(
16)
17	\$
18	*
19	%
20	#
21	/
22	?
13B	BS
13W	VS
14B	BS
14W	VS

DALHART PYIC

14	AUG801	113.3VV	01	121	1.81	-0.20	-3.14	-4.94	-4.88	-6.62	-6.71	-6.14
14	AUG801	21.6HH	01	121	-17.89	-13.88	-17.25	-16.81	-16.69	-18.41	-20.26	-21.58
14	AUG801	31.6HV	01	121	-18.47	-22.55	-24.97	-23.84	-24.64	-26.83	-28.66	-28.75
14	AUG801	4.4HH	01	121	-15.90	-21.05	-23.48	-26.03	-27.08	-31.40	-30.11	-30.28
14	AUG801	5.4HV	01	121	-21.40	-27.67	-32.10	-34.65	-35.66	-45.12	-46.63	-35.77
14	AUG801	64.75HH	01	121	3.98	0.32	-3.03	-3.58	-5.69	-7.45	-6.99	-8.75
14	AUG801	74.75HV	01	121	4.25	-6.75	-10.23	-10.38	-15.18	-12.15	-11.25	-12.36
14	AUG801	8NS C	01		0.63	1.27	0.96	9.89	4.77	.	.	20.20
14	AUG801	9HLHCVC	01	112	277.1	265.3	275.2					
14	AUG801	10FLD SM	01		6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	11LN SM	01	112	6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	12LN SM	01	121	6.6	7.0	7.9	7.6	9.1	9.4		
14	AUG801	13	1	01	4460.4	835.8	6915.1	1259.8				
14	AUG801	14 PRYS	01	112	19.8		3.272	1.150	4287.0			
16	AUG802	113.3VV	01	112	2.05	0.22	-3.83	-6.12	-4.93	-7.72	-7.91	-7.98
16	AUG802	21.6HH	01	112	-14.56	-16.42	-16.37	-18.88	-17.41	-19.05	-22.36	-21.96
16	AUG802	31.6HV	01	112	-13.30	-21.75	-23.45	-24.11	-24.08	-24.87	-29.00	-28.41
16	AUG802	4.4HH	01	112	-12.47	-16.27	-19.42	-23.53	-25.45	-21.26	-27.97	-29.39
16	AUG802	5.4HV	01	112	-17.54	-19.71	-23.67	-26.81	-29.78	-39.19	-41.78	-39.30
16	AUG802	64.75HH	01	112	10.97	5.53	2.09	1.43	-1.26	-4.25	-	-5.08
16	AUG802	74.75HV	01	112	10.79	2.68	0.35	-0.28	-3.45	-2.67	-1.91	-2.78
16	AUG802	8NS C	01		0.77	1.44	0.93	10.52	6.52	10.18	3.57	19.80
16	AUG802	9HLHCVC	01	111	270.6	260.4	269.3					
16	AUG802	10FLD SM	01		13.2	13.7	15.5	14.4	15.3	15.1		
16	AUG802	11LN SM	01	111	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG802	12LN SM	01	112	13.2	13.7	15.5	14.4	16.3	15.1		
16	AUG802	13	1	01	4460.4	835.8	6915.1	1259.8				
16	AUG802	14 PRYS	01	111	19.4		3.545	1.156	4287.0			
16	AUG803	113.3VV	01	112	2.69	0.73	-3.10	-5.51	-4.43	-7.09	-7.70	-7.55
16	AUG803	21.6HH	01	112	-14.76	-17.10	-15.97	-19.78	-16.75	-19.72	-22.63	-23.54
16	AUG803	31.6HV	01	112	-14.50	-23.40	-23.79	-24.59	-24.63	-25.47	-30.20	-27.65
16	AUG803	4.4HH	01	112	-10.02	-14.77	-18.89	-23.05	-25.94	-29.21	-29.61	-29.31
16	AUG803	5.4HV	01	112	-19.61	-22.86	-25.92	-29.72	-32.70	-43.33	-43.87	-44.08
16	AUG803	64.75HH	01	112	12.26	6.55	3.73	1.55	0.02	-2.34	-1.29	-3.48
16	AUG803	74.75HV	01	112	10.33	4.65	1.33	1.11	-1.75	-1.07	-0.32	-0.77
16	AUG803	8NS C	01		0.75	1.39	0.90	10.23	6.53	9.71	3.61	23.40
16	AUG803	9HLHCVC	01	111	274.9	267.1	275.9					
16	AUG803	10FLD SM	01		13.2	13.7	15.5	14.4	16.3	15.1		
16	AUG803	11LN SM	01	111	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG803	12LN SM	01	112	13.1	13.5	15.9	14.9	16.4	15.2		
16	AUG803	13	1	01	4460.4	835.8	6915.1	1259.8				
16	AUG803	14 PRYS	01	111	23.8		3.472	1.157	4287.0			
18	AUG804	113.3VV	01	113	-1.15	-2.83	-4.09	-7.25	-6.16	-7.59	-8.22	-7.94
18	AUG804	21.6HH	01	113	-18.00	-18.76	-22.58	-22.00	-21.54	-23.11	-25.58	-26.06
18	AUG804	31.6HV	01	113	-16.26	-24.58	-27.49	-27.78	-27.91	-28.71	-32.72	-32.03
18	AUG804	4.4HH	01	113	-11.97	-16.00	-20.38	-23.23	-26.24	-29.83	-30.59	-30.22
18	AUG804	5.4HV	01	113	-20.10	-24.41	-28.02	-31.96	-34.28	-42.85	-44.44	-44.23
18	AUG804	64.75HH	01	113	9.66	4.12	2.02	1.06	0.08	-2.07	-0.97	-3.03
18	AUG804	74.75HV	01	113	9.48	-0.90	-5.42	-5.36	-8.57	-6.62	-5.49	-5.14
18	AUG804	8NS C	01		0.97	1.74	1.13	11.29	7.17	11.75	6.21	31.10
18	AUG804	9HLHCVC	01	111	295.4	283.0	293.8					
18	AUG804	10FLD SM	01		7.3	9.7	12.5	10.7	14.7	14.1		
18	AUG804	11LN SM	01	111	7.7	9.1	12.7	11.1	15.1	13.1		
18	AUG804	12LN SM	01	113	8.1	10.6	12.7	11.0	14.2	14.8		
18	AUG804	13	1	01	4460.4	835.8	6915.1	1259.8				
18	AUG804	14 PRYS	01	111	29.7		3.769	1.148	4287.0			
14	AUG801	113.3VV	02	111	-0.11	-1.57	-4.96	-6.66	-5.61	-7.71	-7.72	-8.07

14	AUG801	21.6HH	02	111	-117.42	-117.03	-109.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	-100.00	
14	AUG801	31.6HV	02	111	-110.31	-110.00	-104.97	-96.00	-96.00	-96.00	-96.00	-96.00	-96.00	-96.00	-96.00	-96.00	
14	AUG801	4.4HH	02	111	-17.05	-17.00	-16.03	-14.00	-14.00	-14.00	-14.00	-14.00	-14.00	-14.00	-14.00	-14.00	
14	AUG801	5.4HV	02	111	-21.05	-21.00	-20.07	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	-18.00	
14	AUG801	64.75HH	02	111	0.75	0.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	AUG801	74.75HV	02	111	0.75	0.70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14	AUG801	8NS C	02		0.77	1.43	1.15	10.70	8.45							20.60	
14	AUG801	9HLHCVC	02	122	288.5	275.0	282.0										
14	AUG801	10FLD SM	02		3.3	7.3	0.0	9.0	15.0							15.0	
14	AUG801	11LN SM	02	122	4.0	7.3	0.0	9.0	15.0							15.0	
14	AUG801	12LN SM	02	111	4.8	7.0	0.0	9.0	14.0							15.0	
14	AUG801	13	2	02	4460.4	835.8	6915.1	1259.8									
14	AUG801	14 PRT5	02	122	20.0		3.660	1.147	4287.0								
16	AUG802	113.3VV	02	122	2.43	1.01	-2.84	-5.22	-4.45	-7.44	-7.61	-8.15					
16	AUG802	21.6HH	02	122	-13.79	-13.57	-15.27	-19.62	-15.93	-19.15	-22.27	-23.58					
16	AUG802	31.6HV	02	122	-14.04	-22.59	-23.08	-24.13	-23.27	-25.61	-28.71	-28.67					
16	AUG802	4.4HH	02	122	-9.97	-14.71	-19.74	-21.59	-21.69	-23.02	-29.00	-28.71	-27.26				
16	AUG802	5.4HV	02	122	-18.60	-17.00	-26.50	-26.70	-33.10	-41.20	-43.90	-43.60					
16	AUG802	64.75HH	02	122	11.21	5.80	3.06	1.55	-0.65	-3.19	-2.36	-5.13					
16	AUG802	74.75HV	02	122	10.15	3.55	0.71	0.25	-2.58	-1.73	-1.52	-1.54					
16	AUG802	8NS C	02		0.93	1.63	1.13	11.21	8.97	11.17	4.00	20.30					
16	AUG802	9HLHCVC	02	121	267.2	200.6	269.5										
16	AUG802	10FLD SM	02		15.7	15.6	17.1	16.9	20.2	20.8							
16	AUG802	11LN SM	02	121	15.7	15.6	17.1	16.9	20.2	20.8							
16	AUG802	12LN SM	02	122	17.7	16.7	19.1	18.6	22.4	23.2							
16	AUG802	13	2	02	4460.4	835.8	6915.1	1259.8									
16	AUG802	14 PRT5	02	121	19.3		3.659	1.147	4287.0								
16	AUG802	113.3VV	02	122	2.68	0.87	-2.90	-5.85	-4.25	-7.22	-7.33	-7.34					
16	AUG803	21.6HH	02	122	-14.65	-15.47	-16.00	-18.70	-15.99	-18.59	-21.37	-22.39					
16	AUG803	31.6HV	02	121	-13.71	-23.38	-25.05	-27.41	-27.57	-29.34	-32.50	-31.83					
16	AUG803	4.4HH	02	122	-9.77	-14.69	-19.55	-21.85	-23.05	-25.50	-28.07	-27.07					
16	AUG803	5.4HV	02	122	-16.40	-19.54	-25.08	-27.88	-31.44	-41.41	-43.78	-45.46					
16	AUG803	64.75HH	02	122	11.77	7.04	4.01	2.45	0.50	-2.37	-1.23	-3.19					
16	AUG803	74.75HV	02	122	10.59	5.24	2.21	1.82	-1.26	-0.30	0.57	-0.20					
16	AUG803	8NS C	02		0.84	1.54	1.06	10.12	6.58	10.28	3.91	23.60					
16	AUG803	9HLHCVC	02	121	271.6	205.4	274.7										
16	AUG803	10FLD SM	02		15.7	15.6	17.1	16.9	20.2	20.8							
16	AUG803	11LN SM	02	121	15.7	15.6	17.1	16.9	20.2	20.8							
16	AUG803	12LN SM	02	122	16.6	16.3	18.7	17.9	21.2	22.2							
16	AUG803	13	2	02	4460.4	835.8	6915.1	1259.8									
16	AUG803	14 PRT5	02	121	23.8		3.282	1.145	4287.0								
18	AUG804	113.3VV	02	122	0.43	-1.83	-4.91	-7.09	-5.35	-8.43	-8.62	-8.76					
18	AUG804	21.6HH	02	122	-15.80	-18.15	-18.05	-21.10	-18.80	-21.30	-24.40	-24.00					
18	AUG804	31.6HV	02	122	-16.80	-23.63	-25.81	-26.44	-26.61	-28.47	-31.22	-30.93					
18	AUG804	4.4HH	02	122	-8.73	-15.25	-20.22	-23.36	-26.03	-31.42	-31.97	-31.16					
18	AUG804	5.4HV	02	122	-16.86	-22.29	-27.56	-32.08	-34.97	-45.11	-46.51	-46.46					
18	AUG804	64.75HH	02	122	10.25	5.67	2.45	1.11	-1.14	-2.98	-2.18	-3.49					
18	AUG804	74.75HV	02	122	3.77	-3.22	-7.46	-7.95	-11.17	-9.55	-8.03	-8.30					
18	AUG804	8NS C	02		0.92	1.65	1.09	9.77	6.38	10.58	4.16	29.80					
18	AUG804	9HLHCVC	02	121	289.1	279.8	291.4										
18	AUG804	10FLD SM	02		11.4	12.2	17.7	15.0	20.9	22.7							
18	AUG804	11LN SM	02	121	8.6	10.8	16.7	13.0	19.0	21.7							
18	AUG804	12LN SM	02	122	8.6	10.8	16.7	13.0	19.0	21.7							
18	AUG804	13	2	02	4460.4	835.8	6915.1	1259.8									
18	AUG804	14 PRT5	02	121	28.7		3.101	1.139	4287.0								
14	AUG801	113.3VV	03	121	1.71	0.21	-3.84	-5.89	-5.03	-7.38	-8.19	-7.42					
14	AUG801	21.6HH	03	121	-10.80	-11.10	-17.10	-18.60	-17.50	-24.50	-25.50	-28.10					
14	AUG801	31.6HV	03	121	-15.80	-23.20	-27.30	-29.70	-28.60	-31.90	-35.70	-33.40					
14	AUG801	4.4HH	03	121	-12.00	-17.40	-21.20	-24.50	-28.40	-35.90	-36.30	-35.90					
14	AUG801	5.4HV	03	121	-19.80	-25.30	-32.00	-36.70	-41.10	-50.90	-51.30	-53.20					

14	AUG801	64.75HH	03	112	5.79	0.62	-2.44	-4.55	-5.23	-8.95	-8.47	-9.30
14	AUG801	74.75HV	03	112	2.39	-8.76	-14.90	-17.30	-17.90	-19.40	-18.70	-17.60
14	AUG801	BNS T	03		0.82	1.69	1.37	8.09	3.73	.	.	20.90
14	AUG801	9HLHCVC	03	112	257.5	258.7	281.7	.	.	.	.	.
14	AUG801	10FLD SM	03		9.4	7.9	11.8	9.9	19.8	22.8	.	.
14	AUG801	11LN SM	03	112	10.0	8.2	11.0	10.5	19.3	23.5	.	.
14	AUG801	12LN SM	03	112	9.4	7.9	11.8	9.9	19.8	22.8	.	.
14	AUG801	13	3	03	797.5	120.5	.	.	.	.	.	.
14	AUG801	14 PRT5	03	112	20.4	.	2.139	1.100	1500.0	.	.	.
16	AUG802	113.3VV	03	112	0.31	-1.80	-4.74	-7.28	-5.78	-9.04	-8.71	-8.44
16	AUG802	21.6HH	03	112	-12.10	-18.07	-20.74	-24.46	-24.17	-28.70	-31.57	-32.61
16	AUG802	31.6HV	03	112	-15.73	-25.16	-28.82	-33.14	-32.41	-36.85	-36.50	-37.20
16	AUG802	4.4HH	03	112	-14.90	-15.78	-19.38	-23.25	-27.15	-30.50	-37.40	-38.05
16	AUG802	5.4HV	03	112	-19.55	-22.98	-28.61	-36.81	-41.32	-50.72	-52.68	-56.59
16	AUG802	64.75HH	03	112	10.43	4.10	1.74	-0.85	-3.01	-6.09	-4.1	-7.01
16	AUG802	74.75HV	03	112	8.20	-1.83	-3.82	-4.36	-6.66	-4.91	-4.96	-6.03
16	AUG802	BNS T	03		1.21	2.42	1.76	11.40	7.13	15.10	5.78	20.90
16	AUG802	9HLHCVC	03	111	268.7	268.8	274.0	.	.	.	.	.
16	AUG802	10FLD SM	03		6.1	8.3	13.5	11.2	24.2	27.5	.	.
16	AUG802	11LN SM	03	111	6.3	7.6	12.6	9.7	22.6	26.5	.	.
16	AUG802	12LN SM	03	112	6.3	7.6	12.6	9.7	22.6	26.5	.	.
16	AUG802	13	3	03	797.5	120.6	.	.	.	.	.	.
16	AUG802	14 PRT5	03	111	20.1	.	3.177	1.110	1500.0	.	.	.
16	AUG803	113.3VV	03	112	-0.61	-1.57	-4.92	-7.40	-5.81	-8.67	-8.95	-8.67
16	AUG803	21.6HH	03	112	-10.30	-18.07	-19.70	-27.00	-22.90	-30.43	-31.77	-32.88
16	AUG803	31.6HV	03	112	-15.91	-25.15	-29.45	-32.97	-32.47	-35.01	-37.19	-37.57
16	AUG803	4.4HH	03	112	-9.79	-15.15	-19.87	-22.95	-26.37	-34.52	-34.92	-35.83
16	AUG803	5.4HV	03	112	-20.21	-24.03	-29.97	-37.08	-40.16	-50.56	-52.00	-56.53
16	AUG803	64.75HH	03	112	11.90	3.59	0.94	-0.51	-3.07	-4.50	-3.96	-4.18
16	AUG803	74.75HV	03	112	9.75	-1.10	-2.52	-3.65	-4.89	-4.27	-3.96	-3.43
16	AUG803	BNS T	03		1.31	2.58	1.97	11.10	7.73	16.90	6.49	2.40
16	AUG803	9HLHCVC	03	111	273.9	274.9	283.1	.	.	.	.	.
16	AUG803	10FLD SM	03		6.1	8.3	13.5	11.2	24.2	27.5	.	.
16	AUG803	11LN SM	03	111	6.3	7.6	12.6	9.7	22.6	26.5	.	.
16	AUG803	12LN SM	03	112	6.3	7.6	12.6	9.7	22.6	26.5	.	.
16	AUG803	13	3	03	797.5	120.6	.	.	.	.	.	.
16	AUG803	14 PRT5	03	111	27.2	.	2.863	1.155	1500.0	.	.	.
18	AUG804	113.3VV	03	113	-2.09	-2.73	-6.32	-8.42	-7.50	-9.77	-9.01	-9.38
18	AUG804	21.6HH	03	113	-16.28	-19.76	-23.13	-26.26	-24.66	-31.63	-33.00	-34.20
18	AUG804	31.6HV	03	113	-15.07	-24.79	-28.92	-33.76	-34.05	-35.82	-37.61	-38.37
18	AUG804	4.4HH	03	113	-12.57	-15.57	-20.19	-24.63	-26.90	-35.98	-36.04	-36.99
18	AUG804	5.4HV	03	113	-21.22	-26.81	-32.15	-38.28	-41.71	-52.99	-54.13	-56.61
18	AUG804	64.75HH	03	113	11.78	4.11	1.34	-0.27	-3.03	-4.66	-3.71	-5.18
18	AUG804	74.75HV	03	113	7.90	-1.93	-6.38	-6.57	-9.06	-6.53	-5.59	-5.87
18	AUG804	BNS T	03		1.54	2.99	2.18	12.98	8.67	18.89	7.01	34.50
18	AUG804	9HLHCVC	03	111	297.0	282.7	293.1	.	.	.	.	.
18	AUG804	10FLD SM	03		1.9	5.0	9.8	7.5	22.0	27.0	.	.
18	AUG804	11LN SM	03	111	2.2	5.6	10.6	8.4	23.1	27.5	.	.
18	AUG804	12LN SM	03	113	2.2	5.6	10.6	8.4	23.1	27.5	.	.
18	AUG804	13	3	03	797.5	120.6	.	.	.	.	.	.
18	AUG804	14 PRT5	03	111	33.9	.	3.458	1.101	1500.0	.	.	.
14	AUG801	113.3VV	04	111	-0.57	-1.98	-6.01	-7.78	-6.42	-9.05	-9.28	-8.53
14	AUG801	21.6HH	04	111	-13.56	-15.41	-20.58	-23.68	-23.15	-29.31	-30.99	-32.45
14	AUG801	31.6HV	04	111	-13.64	-22.00	-27.82	-32.18	-33.47	-35.63	-37.41	-37.76
14	AUG801	4.4HH	04	111	-15.55	-17.52	-23.45	-25.15	-28.27	-34.63	-36.35	-36.70
14	AUG801	5.4HV	04	111	-21.58	-25.15	-32.55	-39.01	-43.46	-51.77	-53.96	-54.05
14	AUG801	64.75HH	04	111	9.56	3.99	1.09	-0.49	-2.54	-4.85	-3.79	-5.63
14	AUG801	74.75HV	04	111	.	.	.	.	.	.	.	.
14	AUG801	BNS T	04		1.37	2.67	2.16	12.29	6.74	.	.	21.70
14	AUG801	9HLHCVC	04	122	282.7	289.6	278.4	.	.	.	.	.

14	AUG80110FLD SM	04		3.0	4.9	9.7	7.6	14.7	19.4				
14	AUG80111LN SM	04	122	3.6	5.9	9.7	7.6	14.7	19.4				
14	AUG80112LN SM	04	111	2.9	4.7	9.6	7.5	13.5	18.5				
14	AUG80113	4	04	797.5	120.6	.	.	.	.
14	AUG80114 PRTS	04	122	20.3		3.182	1.096	1500.0					
16	AUG802 113.3VV	04	122	0.34	-0.76	-5.70	-6.16	-6.29	-6.34	-8.74	-8.88		
16	AUG802 21.6HH	04	122	-14.37	-15.04	-22.43	-20.70	-25.17	-28.74	-30.33	-31.60		
16	AUG802 31.6HV	04	122	-14.76	-24.72	-25.21	-29.99	-32.49	-34.59	-35.16	-35.57		
16	AUG802 4.4HH	04	122	-13.36	-17.65	-20.15	-23.73	-27.45	-34.61	-34.41	-37.48		
16	AUG802 5.4HV	04	122	-21.90	-26.17	-33.38	-39.36	-43.72	-50.58	-51.07	-55.05		
16	AUG802 64.75HH	04	122	10.38	2.99	0.83	-1.21	-3.28	-5.26	-5.41	-6.22		
16	AUG802 74.75HV	04	122	10.10	0.67	-4.64	-4.30	-8.26	-6.05	-4.46	-5.76		
16	AUG802 8NS T	04		1.29	2.54	1.84	12.07	8.13	16.61	6.15	21.50		
16	AUG802 9HLHCVC	04	121	258.8	265.7	273.8							
16	AUG80210FLD SM	04		6.4	7.8	12.5	11.3	19.1	24.0				
16	AUG80211LN SM	04	111	5.8	7.4	12.3	11.1	18.0	24.1				
16	AUG80212LN SM	04	122	5.3	7.4	12.3	11.1	18.0	24.1				
16	AUG80213	4	04	797.5	120.6	.	.	.	.
16	AUG80214 PRTS	04	121	20.8		3.390	1.112	1500.0					
16	AUG803 113.3VV	04	122	1.29	-9.97	-4.23	-6.83	-5.71	-8.66	-9.23	-8.79		
16	AUG803 21.6HH	04	122	-12.45	-16.11	-20.30	-24.08	-23.03	-28.35	-31.74	-21.56		
16	AUG803 31.6HV	04	122	-15.22	-25.20	-29.54	-31.67	-31.17	-34.25	-35.61	-36.79		
16	AUG803 4.4HH	04	122	-12.23	-15.57	-20.13	-23.35	-29.25	-35.33	-34.68	-38.11		
16	AUG803 5.4HV	04	122	-22.22	-25.53	-31.80	-38.41	-42.95	-51.33	-53.69	-53.97		
16	AUG803 64.75HH	04	122	10.51	4.43	1.16	0.36	-2.01	-3.95	-3.95	-5.62		
16	AUG803 74.75HV	04	122	9.93	-0.07	-3.62	-4.15	-7.09	-4.63	-5.75	-4.84		
16	AUG803 8NS T	04		1.32	2.60	1.93	11.36	6.01	16.79	6.42	25.40		
16	AUG803 9HLHCVC	04	121	273.8	274.7	281.8							
16	AUG80310FLD SM	04		6.4	7.8	12.5	11.3	19.1	24.0				
16	AUG80311LN SM	04	121	6.4	7.8	12.5	11.3	19.1	24.0				
16	AUG80312LN SM	04	122	5.8	7.4	12.3	11.1	18.0	24.1				
16	AUG80313	4	04	797.5	120.6	.	.	.	.
16	AUG80314 PRTS	04	121	27.7		2.986	1.096	1500.0					
18	AUG804 113.3VV	04	122	-2.30	-3.34	-7.25	-7.49	-7.82	-9.25	-10.14	-10.04		
18	AUG804 21.6HH	04	122	-16.82	-10.10	-22.05	-23.76	-25.51	-30.11	-31.64	-32.93		
18	AUG804 31.6HV	04	122	-16.12	-24.75	-29.62	-32.52	-33.30	-36.16	-38.18	-38.25		
18	AUG804 4.4HH	04	122	-13.72	-15.60	-19.04	-22.66	-27.00	-35.74	-36.08	-39.64		
18	AUG804 5.4HV	04	122	-18.91	-23.60	-29.85	-37.15	-40.95	-49.45	-52.15	-52.89		
18	AUG804 64.75HH	04	122	11.48	4.21	1.20	-0.42	-1.76	-4.55	-4.26	-5.49		
18	AUG804 74.75HV	04	122	3.01	-6.95	-10.64	-10.79	-14.85	-12.04	-10.30	-11.54		
18	AUG804 8NS T	04		1.33	2.56	1.83	11.20	7.60	16.05	6.03	34.10		
18	AUG804 9HLHCVC	04	121	297.3	284.3	294.2							
18	AUG80410FLD SM	04		1.6	4.1	9.0	7.3	16.1	20.2				
18	AUG80411LN SM	04	121	1.7	3.9	8.7	7.1	15.1	19.8				
18	AUG80412LN SM	04	122	1.7	4.5	9.0	7.4	16.5	19.7				
18	AUG80413	4	04	797.5	120.6	.	.	.	.
18	AUG80414 PRTS	04	121	34.1		3.031	1.104	1500.0					
14	AUG801 113.3VV	05	121	2.18	-1.69	-7.01	-9.15	-9.15	-11.97	-12.98	-12.45		
14	AUG801 21.6HH	05	121	-15.87	-15.18	-20.94	-24.42	-25.37	-31.81	-35.03	-37.30		
14	AUG801 31.6HV	05	121	-19.40	-26.38	-30.29	-36.41	-35.60	-42.39	-43.88	-45.35		
14	AUG801 4.4HH	05	121	-15.33	-20.31	-23.30	-28.26	-29.38	-37.33	-38.47	-38.67		
14	AUG801 5.4HV	05	121	-24.70	-30.59	-34.88	-43.11	-44.96	-52.93	-55.82	-55.69		
14	AUG801 64.75HH	05	121	6.06	-0.61	-6.15	-8.53	-11.03	-15.90	-17.25	-19.15		
14	AUG801 74.75HV	05	121	3.54	-13.44	-23.23	-24.91	-28.04	-22.41	-25.28	-24.98		
14	AUG801 8NS P	05		1.74	2.76	2.74	7.27	4.66	.	.	21.90		
14	AUG801 9HLHCVC	05	112	288.1	276.6	285.9							
14	AUG80110FLD SM	05		1.7	2.4	4.0	.	.	.				
14	AUG80111LN SM	05	112	1.7	2.4	4.0	.	.	.				
14	AUG80112LN SM	05	121	1.7	2.4	4.0	.	.	.				
14	AUG80113	5	05	125.3	16.2	.	.	.	.

14	AUG801	14	PRTS	05	112	21.6		0.555	0.975										
16	AUG802	113.3VV	05	112	2.54	-1.00	-10.25	-9.68	-9.35	-15.59	-12.51	-14.21							
16	AUG802	21.6HH	05	112	-9.99	-14.43	-17.09	-22.25	-23.12	-26.94	-33.05	-34.38							
16	AUG802	31.6HV	05	112	-13.58	-23.25	-29.14	-33.25	-34.65	-39.08	-41.67	-43.09							
16	AUG802	4.4HH	05	112	-7.61	-14.82	-19.17	-22.93	-26.04	-34.30	-35.54	-34.88							
16	AUG802	5.4HV	05	112	-15.31	-26.77	-27.55	-33.68	-39.16	-45.40	-48.91	-51.10							
16	AUG802	64.75HH	05	112	12.40	5.52	-0.08	-3.35	-6.32	-11.00	-12.08	-13.09							
16	AUG802	74.75HV	05	112	14.99	-4.15	-11.03	-12.70	-15.69	-13.75	-13.28	-3.67							
16	AUG802	BNS P	05		1.75	2.74	2.53	6.78	5.67	19.92	7.78	21.80							
16	AUG802	9HLHCVC	05	111	252.0	257.1	266.4												
16	AUG802	10FLD SM	05		7.7	11.6	13.8												
16	AUG802	11LN SM	05	111	7.7	11.6	13.8												
16	AUG802	12LN SM	05	112	7.3	10.7	14.9												
16	AUG802	13	5	05	125.3	16.2													
16	AUG802	14 PRTS	05	111	21.3		0.543	0.978											
16	AUG803	113.3VV	05	112	2.38	-0.53	-4.80	-8.70	-9.39	-12.92	-13.65	-13.97							
16	AUG803	21.6HH	05	112	-8.08	-13.84	-15.45	-23.25	-22.71	-29.15	-33.06	-35.03							
16	AUG803	31.6HV	05	112	-14.50	-24.76	-28.66	-34.14	-35.92	-39.49	-42.76	-43.22							
16	AUG803	4.4HH	05	112	-7.68	-14.91	-19.40	-23.97	-27.78	-35.33	-34.59	-35.97							
16	AUG803	5.4HV	05	112	-15.42	-22.62	-28.54	-37.20	-41.33	-49.41	-51.62	-53.72							
16	AUG803	64.75HH	05	112	14.49	6.97	1.59	-11.29	-4.66	-9.29	-9.10	-11.02							
16	AUG803	74.75HV	05	112	11.68	-2.55	-9.05	-11.01	-14.09	-12.20	-11.53	-11.74							
16	AUG803	BNS P	05		1.98	3.08	2.81	6.97	6.16	22.32	9.16	29.80							
16	AUG803	9HLHCVC	05	111	254.9	270.2	279.6												
16	AUG803	10FLD SM	05		7.7	11.6	13.8												
16	AUG803	11LN SM	05	111	7.7	11.6	13.8												
16	AUG803	12LN SM	05	112	7.7	11.6	13.8												
16	AUG803	13	5	05	125.3	16.2													
16	AUG803	14 PRTS	05	111	31.3		0.541	0.959											
16	AUG804	113.3VV	05	113	1.10	-2.11	-6.94	-9.93	-9.62	-13.04	-14.32	-12.81							
16	AUG804	21.6HH	05	113	-13.55	-17.39	-21.07	-25.49	-26.27	-31.05	-33.78	-35.25							
16	AUG804	31.6HV	05	113	-16.79	-25.14	-30.02	-34.68	-34.92	-41.02	-43.25	-42.82							
16	AUG804	4.4HH	05	113	-7.12	-13.72	-20.67	-25.51	-27.93	-37.36	-35.97	-37.73							
16	AUG804	5.4HV	05	113	-17.02	-24.10	-30.95	-38.63	-43.94	-52.13	-53.63	-53.45							
16	AUG804	64.75HH	05	113	12.53	5.10	-0.19	-2.26	-4.93	-0.26	-8.53	-10.13							
16	AUG804	74.75HV	05	113	9.75	-8.07	-13.58	-14.81	-17.76	-15.94	-14.72	-14.56							
16	AUG804	BNS P	05		2.34	3.55	3.22	7.79	5.60	24.58	0.13	41.30							
16	AUG804	9HLHCVC	05	111	292.1	285.9	296.1												
16	AUG804	10FLD SM	05		4.7	9.1	12.6												
16	AUG804	11LN SM	05	111	4.7	9.1	12.6												
16	AUG804	12LN SM	05	113	5.3	9.7	12.8												
16	AUG804	13	5	05	125.3	16.2													
16	AUG804	14 PRTS	05	111	41.0		0.339	0.955											
16	AUG801	113.3VV	06	111	0.71	-1.73	-7.09	-9.93	-10.10	-13.87	-14.74	-14.58							
16	AUG801	21.6HH	06	111	-14.60	-18.72	-26.95	-25.31	-25.91	-31.79	-35.53	-37.78							
16	AUG801	31.6HV	06	111	-13.65	-22.44	-28.97	-34.20	-36.74	-42.42	-45.81	-46.04							
16	AUG801	4.4HH	05	111	-14.53	-20.11	-23.67	-27.08	-29.46	-38.20	-39.24	-39.44							
16	AUG801	5.4HV	06	111	-22.76	-25.89	-35.15	-42.56	-46.71	-54.18	-55.63	-57.54							
16	AUG801	64.75HH	06	111	10.57	3.94	-1.01	-3.77	-6.72	-10.96	-12.01	-13.69							
16	AUG801	74.75HV	06	111															
16	AUG801	BNS P	06			2.91	2.87	7.36	4.99			22.70							
16	AUG801	9HLHCVC	06	122	288.8	277.0	267.4												
16	AUG801	10FLD SM	06		1.3	1.9	3.2												
16	AUG801	11LN SM	06	122	1.3	1.9	3.2												
16	AUG801	12LN SM	06	111	1.3	1.9	3.2												
16	AUG801	13	6	06	125.3	15.2													
16	AUG801	14 PRTS	06	122	21.4		0.485	0.969											
16	AUG802	113.3VV	05	122	2.00	-1.19	-6.49	-4.71	-9.79	-13.53	-13.53	-13.65							
16	AUG802	21.6HH	06	122	-9.52	-15.38	-16.81	-23.45	-23.18	-28.81	-33.12	-36.00							
16	AUG802	31.6HV	06	122	-14.37	-23.93	-28.20	-34.20	-36.34	-39.60	-43.23	-44.36							

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16	AUG802	4.4HH	06	122	-9.85	-15.20	-19.77	-23.69	-27.46	-34.57	-36.01	-35.94
16	AUG802	5.4HV	06	122	-18.30	-24.31	-30.13	-38.50	-43.22	-49.66	-52.72	-54.10
16	AUG802	64.75HH	06	122	13.64	5.84	1.12	-2.05	-5.12	-9.86	-10.04	-11.50
16	AUG802	74.75HV	06	122	11.20	-4.86	-10.39	-12.50	-15.09	-13.52	-12.59	-13.13
16	AUG802	8NS P	06		1.93	2.98	2.75	6.99	6.20	22.27	8.73	23.20
16	AUG802	9HLHCVC	06	121	252.1	260.9	268.2	.	.	.	.	.
16	AUG802	10FLD SM	06		7.1	10.2	11.9	.	.	.	.	.
16	AUG802	11LN SM	06	121	7.1	10.2	11.9	.	.	.	.	.
16	AUG802	12LN SM	06	122	6.8	9.8	12.1	.	.	.	.	.
16	AUG802	13	6	06	125.3	15.2	.	.	.	.	.	.
16	AUG802	14 PRT5	06	121	22.8	0.434	0.967	.	.	.	.	.
16	AUG803	113.3VV	06	122	2.24	-0.76	-5.66	-10.04	-9.44	-13.52	-13.15	-14.11
16	AUG803	21.6HH	06	122	-8.33	-15.43	-16.57	-23.29	-22.84	-29.35	-32.74	-33.44
16	AUG803	31.6HV	06	122	-14.10	-24.39	-28.93	-34.23	-35.83	-39.83	-42.86	-43.35
16	AUG803	4.4HH	06	122	-7.23	-13.16	-17.99	-23.16	-26.37	-33.34	-34.04	-37.29
16	AUG803	5.4HV	06	122	-17.12	-22.79	-29.49	-37.40	-42.10	-50.41	-52.99	-53.90
16	AUG803	64.75HH	06	122	14.63	6.29	1.23	-0.70	-4.57	-9.16	-8.85	-11.25
16	AUG803	74.75HV	06	122	11.86	-3.93	-9.67	-11.63	-13.32	-12.38	-11.60	-12.20
16	AUG803	8NS P	06		2.05	3.16	2.90	7.03	6.46	23.18	9.50	36.80
16	AUG803	9HLHCVC	06	121	266.9	273.1	283.3	.	.	.	.	.
16	AUG803	10FLD SM	06		7.1	10.2	11.9	.	.	.	.	.
16	AUG803	11LN SM	06	121	7.1	10.2	11.9	.	.	.	.	.
16	AUG803	12LN SM	06	122	6.8	9.8	12.1	.	.	.	.	.
16	AUG803	13	6	06	125.3	15.2	.	.	.	.	.	.
16	AUG803	14 PRT5	06	121	33.1	0.314	0.957	.	.	.	.	.
18	AUG804	113.3VV	06	122	1.29	-2.33	-6.07	-10.49	-10.36	-13.06	-14.08	-14.60
18	AUG804	21.6HH	06	122	-9.36	-20.32	-18.58	-26.79	-25.53	-31.31	-34.35	-35.71
18	AUG804	31.6HV	06	122	-15.11	-24.60	-29.02	-35.24	-34.99	-41.75	-43.97	-44.31
18	AUG804	4.4HH	06	122	-3.50	-15.58	-19.09	-23.81	-28.84	-36.91	-37.21	-38.29
18	AUG804	5.4HV	06	122	-14.27	-22.03	-29.69	-37.52	-44.12	-51.21	-54.37	-52.82
18	AUG804	64.75HH	06	122	14.66	6.73	1.42	-1.19	-4.11	-8.84	-8.69	-9.52
18	AUG804	74.75HV	06	122	5.97	-10.78	-17.12	-19.00	-20.45	-18.91	-18.41	-17.93
18	AUG804	8NS P	06		2.11	3.16	2.87	6.84	6.60	22.36	9.13	40.10
18	AUG804	9HLHCVC	06	121	293.4	286.5	297.2	.	.	.	.	.
18	AUG804	10FLD SM	06		3.2	7.6	10.3	.	.	.	.	.
18	AUG804	11LN SM	06	121	2.7	6.8	9.6	.	.	.	.	.
18	AUG804	12LN SM	06	122	2.7	6.8	9.6	.	.	.	.	.
18	AUG804	13	6	06	125.3	15.2	.	.	.	.	.	.
18	AUG804	14 PRT5	06	121	40.7	0.265	0.954	.	.	.	.	.
14	AUG801	113.3VV	07	121	0.52	-6.95	-3.42	-3.87	-3.13	-5.39	-5.59	-6.43
14	AUG801	21.6HH	07	121	-18.32	-14.57	-18.02	-17.19	-17.15	-19.13	-21.47	-22.13
14	AUG801	31.6HV	07	121	-17.85	-21.71	-24.40	-23.16	-24.04	-25.67	-27.95	-27.52
14	AUG801	4.4HH	07	121	-15.28	-20.00	-21.15	-24.88	-25.43	-26.36	-30.59	-28.98
14	AUG801	5.4HV	07	121	-21.81	-26.75	-29.73	-33.22	-34.51	-43.40	-43.62	-42.48
14	AUG801	64.75HH	07	121	2.22	-1.08	-3.98	-3.94	-5.21	-6.60	-6.40	-8.75
14	AUG801	74.75HV	07	121	2.91	-7.52	-10.67	-11.14	-14.99	-11.94	-11.12	-11.39
14	AUG801	8NS C	07		0.64	1.23	0.83	12.70	5.47	.	.	19.90
14	AUG801	9HLHCVC	07	112	283.6	268.9	278.6	.	.	.	.	.
14	AUG801	10FLD SM	07		14.4	15.1	19.5	18.2	22.3	23.2	.	.
14	AUG801	11LN SM	07	112	16.5	16.5	20.9	19.9	25.3	25.0	.	.
14	AUG801	12LN SM	07	121	14.4	15.1	19.5	18.2	22.3	23.2	.	.
14	AUG801	13	7	07	7891.1	1340.6	.	.	.	.	.	.
14	AUG801	14 PRT5	07	112	19.8	4.572	1.173	5676.0	.	.	.	.
16	AUG802	113.3VV	07	112	.	-0.50	-3.80	-4.80	-3.60	-6.20	-6.90	-7.90
16	AUG802	21.6HH	07	112	-12.05	-14.22	-17.25	-18.67	-17.83	-21.12	-24.38	-25.07
16	AUG802	31.6HV	07	112	-15.25	-21.45	-23.73	-22.97	-23.95	-26.09	-28.21	-27.85
16	AUG802	4.4HH	07	112	-12.10	-15.51	-17.13	-20.79	-22.59	-27.34	-27.62	-27.41
16	AUG802	5.4HV	07	112	-14.68	-17.63	-22.25	-24.29	-26.74	-38.01	-37.74	-38.50
16	AUG802	64.75HH	07	112	7.94	3.06	0.69	0.37	-1.59	-4.20	-3.95	-5.83
16	AUG802	74.75HV	07	112	9.17	1.80	-1.61	-1.28	-5.67	-3.38	-1.94	-3.02

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15	AUG802	8NS	C	07	0.79	1.43	0.86	13.37	7.53	9.93	3.38	16.80
16	AUG802	9HLHCVC	07	111	277.3	270.1	278.0					
16	AUG802	10FLD	SM	07	19.1	18.0	21.7	20.5	24.1	24.9		
16	AUG802	11LN	SM	07	111	20.3	19.2	22.9	21.7	25.6	26.5	
16	AUG802	12LN	SM	07	112	18.3	17.4	20.8	20.3	23.2	24.8	
16	AUG802	13	7	07	7891.1	1340.6						
16	AUG802	14	PRTS	07	111	18.4	4.229	1.175	5676.0			
16	AUG803	113.3VV	07	112	0.65	-0.72	-3.09	-3.09	-4.50	-5.30	-5.72	-6.01
16	AUG803	21.6HH	07	112	-14.71	-17.24	-15.55	-19.77	-16.71	-19.53	-22.63	-22.85
16	AUG803	31.6HV	07	112	-14.10	-22.55	-22.59	-24.16	-22.59	-24.57	-28.65	-28.31
16	AUG803	4.4HH	07	112	-11.16	-13.62	-17.06	-19.33	-21.91	-26.76	-27.67	-27.89
16	AUG803	5.4HV	07	112	-17.33	-20.40	-23.53	-26.02	-30.61	-40.24	-41.82	-40.21
16	AUG803	64.75HH	07	112	10.97	4.40	1.70	1.47	-0.49	-2.76	-2.07	-3.58
16	AUG803	74.75HV	07	112	11.23	3.99	0.94	0.08	-2.35	-1.26	-0.96	-0.79
16	AUG803	8NS	C	07	0.73	1.32	0.75	12.24	7.35	8.92	3.28	21.90
16	AUG803	9HLHCVC	07	111	283.1	274.5	282.8					
16	AUG803	10FLD	SM	07	19.1	18.0	21.7	20.8	24.1	24.9		
16	AUG803	11LN	SM	07	111	19.1	18.0	21.7	20.3	24.1	24.9	
16	AUG803	12LN	SM	07	112	19.1	18.0	21.7	20.8	24.1	24.9	
16	AUG803	13	7	07	7891.1	1340.6						
16	AUG803	14	PRTS	07	111	22.4	4.701	1.179	5675.0			
18	AUG804	113.3VV	07	113	0.16	-0.99	-3.51	-6.02	-4.36	-5.71	-7.01	-7.05
18	AUG804	21.6HH	07	113	-13.41	-19.21	-14.32	-20.15	-16.96	-21.56	-21.90	-22.62
18	AUG804	31.6HV	07	113	-15.96	-23.67	-22.39	-24.29	-21.87	-24.55	-27.62	-27.62
18	AUG804	4.4HH	07	113	-5.93	-11.83	-14.94	-18.63	-20.57	-24.84	-27.38	-27.13
18	AUG804	5.4HV	07	113	-15.65	-17.65	-22.67	-26.64	-29.57	-35.88	-42.34	-41.14
18	AUG804	64.75HH	07	113	11.30	6.06	3.93	3.13	1.16	0.20	-0.15	-0.43
18	AUG804	74.75HV	07	113	7.73	-1.09	-1.75	-2.92	-3.39	-3.02	-3.94	-2.68
18	AUG804	8NS	C	07	0.89	1.55	0.89	13.88	7.76	9.94	3.49	26.80
18	AUG804	9HLHCVC	07	111	287.9	279.1	288.6					
18	AUG804	10FLD	SM	07	19.2	18.2	22.6	21.3	24.6	25.7		
18	AUG804	11LN	SM	07	111	18.4	18.1	21.6	19.6	23.9	25.7	
18	AUG804	12LN	SM	07	113	19.2	18.2	22.6	21.3	24.6	25.7	
18	AUG804	13	7	07	7891.1	1340.6						
18	AUG804	14	PRTS	07	111	25.7	5.016	1.175	5676.0			
14	AUG801	113.3VV	08	111	0.90	-0.23	-2.74	-4.58	-3.06	-5.52	-5.76	-6.60
14	AUG801	21.6HH	08	111	-16.67	-16.60	-18.44	-18.74	-17.80	-19.77	-22.98	-23.04
14	AUG801	31.6HV	08	111	-13.69	-20.99	-24.59	-24.07	-23.55	-26.03	-27.84	-29.70
14	AUG801	4.4HH	08	111	-14.67	-17.12	-19.77	-21.27	-22.46	-25.95	-28.33	-26.43
14	AUG801	5.4HV	08	111	-20.98	-24.53	-28.90	-31.12	-33.75	-42.69	-42.57	-42.50
14	AUG801	64.75HH	08	111	8.04	4.61	2.40	2.30	0.45	-1.26	-0.84	-3.08
14	AUG801	74.75HV	08	111	11.28	4.57	0.06	0.33	-2.95	-0.79	-0.03	0.13
14	AUG801	8NS	C	08		1.20	0.80	12.23	5.40			19.90
14	AUG801	9HLHCVC	08	122	286.5	271.5	280.6					
14	AUG801	10FLD	SM	08	15.5	14.7	19.4	17.1	22.2	22.8		
14	AUG801	11LN	SM	08	122	15.5	14.7	19.4	17.1	22.2	22.8	
14	AUG801	12LN	SM	08	111	15.5	14.7	19.4	17.1	22.2	22.8	
14	AUG801	13	8	08	7891.1	1340.6						
14	AUG801	14	PRTS	08	122	19.2	4.397	1.173	5676.0			
16	AUG802	113.3VV	08	122	0.54	-0.31	-3.57	-5.26	-3.73	-5.93	-7.09	-6.81
16	AUG802	21.6HH	08	122	-15.42	-16.82	-16.36	-18.89	-16.54	-20.42	-22.32	-23.16
16	AUG802	31.6HV	08	122	-14.10	-22.10	-22.80	-23.70	-22.90	-24.90	-28.00	-28.20
16	AUG802	4.4HH	08	122	-10.1	-14.25	-18.00	-22.70	-25.05	-31.75	-31.70	-32.43
16	AUG802	5.4HV	08	122	-17.25	-19.53	-23.24	-27.59	-30.91	-39.44	-41.31	-40.28
16	AUG802	64.75HH	08	122	10.07	3.35	1.30	0.60	-1.40	-3.51	-3.30	-4.58
16	AUG802	74.75HV	08	122	9.21	2.21	0.10	-0.68	-3.62	-2.28	-1.70	-3.08
16	AUG802	8NS	C	08	0.93	1.63	0.97	14.44	8.20	10.82	3.81	19.60
16	AUG802	9HLHCVC	08	121	280.5	268.8	277.0					
16	AUG802	10FLD	SM	08	19.3	18.2	21.7	20.9	24.3	24.4		
16	AUG802	11LN	SM	08	121	19.3	18.2	21.7	20.9	24.3	24.4	

16	AUG80212LN SM	08	122	19.5	17.7	21.8	20.8	23.5	23.3										
16	AUG80213	8	08	7891.1	1340.6														
16	AUG80214 PRT5	09	121	19.2		5.176	1.172	5676.0											
16	AUG803 113.3VV	08	122	0.56	-0.22	-3.03	-5.32	-4.01	-6.33	-6.50	-6.27								
16	AUG803 21.6HH	08	122	-15.70	-18.17	-16.53	-19.98	-16.48	-23.07	-22.63	-23.14								
16	AUG803 31.6HV	08	122	-14.55	-22.42	-23.42	-23.62	-23.01	-24.59	-29.03	-27.22								
16	AUG803 4.4HH	08	122	-12.01	-13.20	-15.55	-18.83	-21.91	-27.53	-25.96	-25.95								
16	AUG803 5.4HV	08	122	-18.13	-20.29	-23.56	-28.13	-30.05	-40.70	-41.60	-41.99								
16	AUG803 64.75HH	08	122	11.85	4.60	2.66	1.45	-0.63	-2.64	-1.75	-3.77								
16	AUG803 74.75HV	09	122	9.79	3.19	1.29	0.13	-2.50	-0.79	-0.52	-1.32								
16	AUG803 8NS C	08		0.82	1.42	0.30	13.08	7.65	9.75	3.49	22.50								
16	AUG803 9HLHCVC	08	121	286.7	276.2	280.6													
16	AUG80310FLD SM	03		19.3	18.2	21.7	20.9	24.3	24.4										
16	AUG80311LN SM	08	121	19.3	18.2	21.7	20.9	24.3	24.4										
16	AUG80312LN SM	08	122	19.3	17.7	21.8	20.8	23.5	23.3										
16	AUG80313	8	08	7891.1	1340.6														
16	AUG80314 PRT5	08	121	23.0		6.754	1.177	5676.0											
18	AUG804 113.3VV	08	122	-1.31	-1.88	-4.91	-5.27	-4.70	-6.07	-7.31									
18	AUG804 21.6HH	08	122	-17.18	-16.58	-19.62	-18.93	-18.87	-20.55	-22.72									
18	AUG804 31.6HV	08	122	-16.58	-22.21	-25.35	-23.64	-25.25	-27.43	-28.49									
18	AUG804 4.4HH	08	122	-12.44	-15.15	-18.28	-20.99	-23.57	-29.51	-30.34									
18	AUG804 5.4HV	08	122	-17.77	-20.37	-24.01	-28.55	-32.19	-41.74	-42.02									
18	AUG804 64.75HH	08	122	10.43	5.45	2.45	1.18	0.07	-1.63	-2.26									
18	AUG804 74.75HV	08	122	5.41	-3.43	-6.89	-6.68	-10.89	-9.15	-7.43									
18	AUG804 8NS C	03		0.39	1.47	0.85	12.82	7.31	9.35	3.44	26.80								
18	AUG804 9HLHCVC	08	121	292.5	231.4	290.9													
18	AUG80410FLD SM	08		12.7	14.0	18.8	17.5	21.5	22.4										
18	AUG80411LN SM	08	121	12.5	13.3	15.7	17.1	20.4	21.2										
18	AUG80412LN SM	08	122	12.7	14.0	18.5	17.5	21.5	22.4										
18	AUG80413	3	08	7891.1	1340.6														
18	AUG80414 PRT5	08	121	25.8		4.502	1.173	5676.0											
14	AUG801 113.3VV	09	121	-0.47	-1.97	-4.71	-5.93	-4.72	-7.12	-6.94	-6.77								
14	AUG801 21.6HH	09	121	-16.91	-15.16	-18.68	-18.55	-17.74	-20.68	-22.68	-23.04								
14	AUG801 31.6HV	09	121	-18.62	-22.19	-24.59	-23.95	-24.27	-26.62	-28.44	-28.06								
14	AUG801 4.4HH	09	121	-13.13	-18.42	-21.74	-24.68	-25.45	-30.97	-28.99	-29.74								
14	AUG801 5.4HV	09	121	-20.15	-25.65	-31.40	-36.55	-37.15	-46.35	-46.00	-47.45								
14	AUG801 64.75HH	09	121	2.24	-1.65	-3.66	-4.05	-5.45	-6.94	-7.22	-8.68								
14	AUG801 74.75HV	09	121	3.44	-6.87	-9.62	-9.58	-13.47	-11.99	-10.25	-10.88								
14	AUG801 8NS C	09		0.61	1.22	0.79	11.98	5.22			20.10								
14	AUG801 9HLHCVC	09	112	284.8	270.6	279.2													
14	AUG80110FLD SM	09		4.4	5.4	7.5	7.0	10.0	10.8										
14	AUG80111LN SM	09	112	4.4	5.4	7.5	7.0	10.0	10.8										
14	AUG80112LN SM	09	121	4.4	5.4	7.5	7.0	10.0	10.8										
14	AUG80113	9	09	7665.3	1280.4														
14	AUG80114 PRT5	09	112	19.5		4.397	1.173	5499.0											
16	AUG802 113.3VV	09	112	0.54	-0.94	-4.27	-6.37	-4.75	-6.53	-6.24	-7.32								
16	AUG802 21.6HH	09	112	-11.67	-15.41	-14.94	-18.59	-15.68	-19.49	-21.70	-22.31								
16	AUG802 31.6HV	09	112	-14.55	-21.06	-22.03	-23.62	-22.95	-24.17	-27.86	-26.90								
16	AUG802 4.4HH	09	112	-1.11	-13.98	-17.47	-22.43	-21.89	-27.57	-27.30	-28.32								
16	AUG802 5.4HV	09	112	-8.90	-15.85	-21.51	-24.99	-27.51	-36.99	-38.45	-38.48								
16	AUG802 64.75HH	09	112	7.66	2.65	1.26	0.26	-1.65	-3.05	-2.37	-5.91								
16	AUG802 74.75HV	09	112	10.96	4.03	0.65	0.12	-2.90	-1.60	-0.54	-1.05								
16	AUG802 8NS C	09		0.69	1.26	0.71	12.00	6.75	8.83	3.20	19.20								
16	AUG802 9HLHCVC	09	111	277.4	269.3	277.6													
16	AUG80210FLD SM	09		13.2	12.0	14.9	14.8	16.2	16.6										
16	AUG80211LN SM	09	111	13.5	12.9	16.0	14.6	16.6	15.3										
16	AUG80212LN SM	09	112	13.2	12.0	14.9	14.8	16.2	16.6										
16	AUG80213	9	09	7665.3	1280.4														
16	AUG80214 PRT5	09	111	18.9		4.385	1.178	5499.0											
16	AUG803 113.3VV	09	112	0.47	-0.49	-3.98	-6.09	-4.29	-7.57	-6.99	-7.51								

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15	AUG803	21.6HH	09	112	-14.22	-15.14	-16.51	-17.56	-18.84	-19.36	-22.27	-23.35
16	AUG803	31.6HV	09	112	-14.75	-21.65	-23.07	-23.65	-23.04	-24.59	-27.77	-27.82
16	AUG803	4.4HH	09	112	-9.21	-13.85	-18.84	-20.20	-24.47	-27.73	-28.05	-28.33
16	AUG803	5.4HV	09	112	-17.15	-21.73	-26.15	-26.56	-33.57	-41.02	-42.98	-42.48
16	AUG803	64.75HH	09	112	10.97	4.92	3.37	3.10	0.49	-2.65	-2.42	-4.38
15	AUG803	74.75HV	09	112	10.57	5.36	2.63	2.25	-1.10	0.09	0.27	-0.73
15	AUG803	8NS C	09		0.68	1.27	0.70	11.81	6.61	8.55	3.24	22.80
16	AUG803	9HLHCVC	09	111	282.0	273.8	263.1					
16	AUG803	10FLD SM	09		13.2	13.3	14.9	14.8	16.2	16.6		
16	AUG803	11LN SM	09	111	13.2	13.0	14.9	14.8	16.2	16.6		
16	AUG803	12LN SM	09	112	13.2	12.0	14.9	14.8	16.2	16.6		
16	AUG803	13	9	09	7665.3	1280.4						
15	AUG803	14 PRT5	09	111	23.3		4.317	1.178	5499.0			
18	AUG804	113.3VV	09	113	-1.56	-2.28	-4.42	-7.21	-5.62	-7.29	-6.02	-7.99
18	AUG804	21.6HH	09	113	-11.91	-20.70	-15.99	-20.94	-17.92	-21.68	-22.60	-23.43
18	AUG804	31.6HV	09	113	-14.30	-23.14	-22.58	-25.25	-23.36	-25.47	-28.01	-27.70
18	AUG804	4.4HH	09	113	-2.03	-12.72	-15.49	-19.44	-22.32	-23.79	-29.27	-28.09
18	AUG804	5.4HV	09	113	-13.37	-19.65	-23.53	-28.25	-31.22	-41.57	-43.01	-45.30
15	AUG804	64.75HH	09	113	11.40	5.44	3.36	2.41	0.62	-1.09	-0.65	-1.41
18	AUG804	74.75HV	09	113	9.64	-0.45	-1.34	-2.82	-2.58	-3.49	-3.74	-3.57
18	AUG804	8NS C	09		0.84	1.52	0.84	12.98	7.35	9.68	3.49	28.10
18	AUG804	9HLHCVC	09	111	288.5	281.8	270.9					
18	AUG804	10FLD SM	09		14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	11LN SM	09	111	14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	12LN SM	09	113	14.3	13.3	15.2	14.7	14.9	16.9		
18	AUG804	13	9	09	7665.3	1280.4						
18	AUG804	14 PRT5	09	111	27.2		4.679	1.174	5499.0			
14	AUG801	113.3VV	10	111	0.15	-0.60	-3.40	-4.97	-3.71	-6.20	-6.32	-6.28
14	AUG801	21.6HH	10	111	-16.57	-16.63	-18.60	-19.48	-18.59	-20.29	-22.55	-24.25
14	AUG801	31.6HV	10	111	-13.53	-21.30	-24.65	-24.20	-25.73	-25.57	-28.95	-28.37
14	AUG801	4.4HH	10	111	-11.61	-17.34	-20.58	-23.40	-25.67	-28.08	-27.87	-28.91
14	AUG801	5.4HV	10	111	-20.84	-25.00	-30.34	-33.95	-35.99	-42.97	-44.29	-45.38
14	AUG801	64.75HH	10	111	7.82	4.96	1.96	1.52	-0.15	-2.26	-1.40	-2.67
14	AUG801	74.75HV	10	111	11.44	5.53	1.76	1.33	-2.19	-0.77	0.28	-0.36
14	AUG801	8NS C	10			1.08	0.71	11.25	5.62			20.00
14	AUG801	9HLHCVC	10	122	285.7	272.2	281.2					
14	AUG801	10FLD SM	10		4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	11LN SM	10	122	4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	12LN SM	10	111	4.9	5.1	7.0	7.5	10.1	11.0		
14	AUG801	13	0	10	7665.3	1280.4						
14	AUG801	14 PRT5	10	122	19.3		4.675	1.175	5499.0			
16	AUG802	113.3VV	10	122	-0.61	-1.02	-4.05	-6.52	-5.01	-7.91	-7.19	-7.25
16	AUG802	21.6HH	10	122	-14.52	-17.33	-17.25	-19.57	-17.50	-19.56	-23.77	-24.05
16	AUG802	31.6HV	10	122	-13.98	-22.31	-24.42	-23.73	-23.89	-25.05	-29.23	-28.74
16	AUG802	4.4HH	10	122	-8.91	-14.02	-18.12	-20.94	-24.11	-28.36	-27.82	-29.98
16	AUG802	5.4HV	10	122	-18.69	-20.91	-26.22	-29.52	-33.35	-43.95	-44.20	-43.97
16	AUG802	64.75HH	10	122	10.42	4.65	2.70	1.66	-0.24	-2.54	-2.32	-3.87
16	AUG802	74.75HV	10	122	9.03	3.53	1.45	0.47	-1.82	-1.70	-1.03	-3.05
16	AUG802	8NS C	10		0.80	1.45	0.80	13.57	7.74	10.10	3.66	20.10
16	AUG802	9HLHCVC	10	121	277.8	270.8	279.1					
16	AUG802	10FLD SM	10		14.6	13.3	15.7	15.0	16.2	17.0		
16	AUG802	11LN SM	10	121	14.4	13.0	15.5	14.6	16.0	16.8		
16	AUG802	12LN SM	10	122	14.4	13.0	15.5	14.6	16.0	16.8		
16	AUG802	13	0	10	7665.3	1280.4						
16	AUG802	14 PRT5	10	121	19.6		4.961	1.178	5499.0			
16	AUG803	113.3VV	10	122	-0.06	-1.07	-4.00	-6.40	-5.31	-7.08	-7.35	-6.45
16	AUG803	21.6HH	10	122	-15.16	-16.62	-16.85	-19.69	-17.67	-20.39	-23.02	-23.62
16	AUG803	31.6HV	10	122	-14.62	-21.83	-23.06	-23.51	-23.82	-25.24	-29.00	-27.99
16	AUG803	4.4HH	10	122	-8.05	-12.30	-16.07	-18.85	-21.51	-27.70	-27.39	-29.94
16	AUG803	5.4HV	10	122	-17.86	-20.94	-26.16	-29.64	-33.33	-42.19	-44.38	-43.94

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16	AUG803	64.75HH	10	122	10.84	4.99	3.24	1.54	0.53	-2.59	-1.57	-3.28
16	AUG803	74.75HV	10	122	9.77	4.74	2.65	1.64	-1.40	-0.52	0.59	0.10
16	AUG803	8NS C	10		0.74	1.35	0.73	12.51	7.32	9.12	3.44	23.30
16	AUG803	9HLHCVC	10	121	283.2	275.7	284.9					
16	AUG803	10FLD SM	10		14.8	13.3	15.7	15.0	16.2	17.0		
16	AUG803	11LN SM	10	121	14.8	13.3	15.7	15.0	16.2	17.0		
16	AUG803	12LN SM	10	121	14.4	13.0	15.5	14.6	16.4	16.8		
16	AUG803	13	0	10	7665.3	1280.4						
16	AUG803	14 PRYS	10	121	23.7		4.579	1.179	5499.0			
18	AUG804	113.3VV	10	122	-1.90	-2.72	-5.76	-6.55	-5.55	-8.46	-8.05	-7.75
18	AUG804	21.6HH	10	122	-15.36	-18.13	-19.74	-20.51	-19.60	-21.49	-24.15	-24.75
18	AUG804	31.6HV	10	122	-16.07	-23.10	-25.92	-26.45	-26.42	-26.81	-30.46	-29.64
18	AUG804	4.4HH	10	122	-9.62	-14.47	-19.54	-21.79	-25.65	-30.93	-30.25	-30.07
18	AUG804	5.4HV	10	122	-16.23	-20.63	-25.73	-29.56	-35.73	-42.34	-45.71	-45.15
18	AUG804	64.75HH	10	122	10.23	4.10	2.63	2.59	0.79	-1.77	-0.96	-2.53
18	AUG804	74.75HV	10	122	4.55	-2.09	-5.75	-6.12	-6.62	-6.50	-6.46	-6.62
18	AUG804	8NS C	10		0.75	1.36	0.76	12.27	7.10	9.24	3.37	28.10
18	AUG804	9HLHCVC	10	121	292.5	282.6	293.4					
18	AUG804	10FLD SM	10		8.7	9.1	13.2	11.5	14.6	14.2		
18	AUG804	11LN SM	10	121	8.4	8.8	12.0	11.5	14.6	14.3		
18	AUG804	12LN SM	10	122	9.0	9.4	14.4	11.4	14.5	14.2		
18	AUG804	13	0	10	7665.3	1280.4						
18	AUG804	14 PRYS	10	121	27.6		4.459	1.176	5499.0			
14	AUG801	113.3VV	11	121	2.48	-0.64	-3.24	-4.00	-3.10	-5.29	-5.62	-5.78
14	AUG801	21.6HH	11	121	-14.74	-12.68	-15.40	-15.65	-14.42	-17.65	-19.92	-21.22
14	AUG801	31.6HV	11	121	-17.63	-21.11	-23.21	-22.10	-22.39	-24.11	-26.94	-26.35
14	AUG801	4.4HH	11	121	-12.39	-16.75	-18.77	-22.64	-24.08	-26.90	-27.24	-29.75
14	AUG801	5.4HV	11	121	-20.10	-24.38	-28.62	-32.67	-34.62	-42.92	-43.54	-43.89
14	AUG801	64.75HH	11	121	3.97	-0.10	-2.55	-3.14	-4.25	-6.37	-5.44	-7.44
14	AUG801	74.75HV	11	121	3.81	-7.34	-9.78	-10.16	-13.88	-11.62	-10.51	-10.66
14	AUG801	8NS C	11		0.59	1.12	0.74	12.55	5.41			19.90
14	AUG801	9HLHCVC	11	112	280.6	267.2	278.1					
14	AUG801	10FLD SM	11		17.8	18.9	15.9	17.2	17.9	17.5		
14	AUG801	11LN SM	11	112	17.6	18.9	15.9	17.8	17.9	17.5		
14	AUG801	12LN SM	11	121	17.8	18.9	15.9	17.8	17.9	17.5		
14	AUG801	13	-	11	5892.7	1148.6						
14	AUG801	14 PRYS	11	112	19.5		4.587	1.178	9245.4			
16	AUG802	113.3VV	11	112	2.60	0.24	-2.10	-5.02	-3.89	-6.22	-6.32	-5.36
16	AUG802	21.6HH	11	112	-12.15	-16.99	-18.54	-18.89	-19.00	-18.62	-19.93	-21.68
16	AUG802	31.6HV	11	112	-13.72	-21.40	-21.71	-23.50	-21.88	-23.95	-26.89	-26.68
16	AUG802	4.4HH	11	112	-7.47	-11.21	-15.21	-17.82	-19.64	-24.27	-24.69	-25.74
16	AUG802	5.4HV	11	112	-11.40	-15.83	-19.34	-23.02	-27.08	-35.49	-38.43	-39.17
16	AUG802	64.75HH	11	112	10.10	4.29	1.93	0.97	-1.18	-3.74	-3.01	-4.35
16	AUG802	74.75HV	11	112	8.48	2.55	0.76	-0.62	-2.72	-2.24	-2.32	-1.94
16	AUG802	8NS C	11		0.68	1.20	0.69	12.45	6.90	8.70	3.11	18.60
16	AUG802	9HLHCVC	11	111	274.5	262.2	276.8					
16	AUG802	10FLD SM	11		39.0	27.9	30.2	30.8	29.2	25.6		
16	AUG802	11LN SM	11	111	41.5	29.2	30.3	31.7	32.1	28.4		
16	AUG802	12LN SM	11	112	39.0	27.9	30.2	30.8	29.2	25.6		
16	AUG802	13	-	11	5892.7	1148.6						
16	AUG802	14 PRYS	11	111	18.4		4.595	1.181	9245.4			
16	AUG803	113.3VV	11	112	2.46	0.71	-2.71	-4.60	-3.21	-5.82	-6.31	-6.14
16	AUG803	21.6HH	11	112	-14.20	-14.78	-15.02	-18.11	-15.13	-18.23	-20.94	-22.40
16	AUG803	31.6HV	11	112	-15.10	-20.95	-21.77	-23.81	-22.39	-23.31	-26.71	-26.59
16	AUG803	4.4HH	11	112	-7.95	-12.48	-15.71	-17.53	-20.36	-25.33	-24.20	-25.56
16	AUG803	5.4HV	11	112	-15.57	-18.68	-23.05	-26.44	-28.98	-41.25	-40.70	-40.92
16	AUG803	64.75HH	11	112	11.43	5.77	3.03	2.72	0.59	-1.69	-1.20	-3.53
16	AUG803	74.75HV	11	112	11.07	5.33	1.69	1.37	-1.77	-1.17	-0.27	0.10
16	AUG803	8NS C	11		0.65	1.15	0.64	12.16	6.69	9.23	3.05	22.00
16	AUG803	9HLHCVC	11	111	278.6	273.0	282.0					

16	AUG80310FLD SM	11	111	39.0	27.9	30.2	30.8	29.2	25.6											
16	AUG80311LN SM	11	111	39.0	27.9	30.2	30.8	29.2	25.6											
16	AUG80312LN SM	11	112	39.0	27.9	30.2	30.8	29.2	25.6											
16	AUG80313	-	11	5892.7	1148.6	.	.	.	.							
16	AUG80314 PRYS	11	111	22.2	.	4.516	1.183	9245.4												
16	AUG804 113.3VV	11	113	0.82	-1.06	-0.31	-5.59	-5.51	-7.11	-7.25	-7.37									
16	AUG804 21.6HH	11	113	-14.23	-16.43	-15.22	-18.21	-16.74	-18.82	-21.34	-21.68									
16	AUG804 31.6HV	11	113	-14.53	-22.20	-20.94	-23.63	-22.37	-24.73	-27.93	-27.39									
16	AUG804 4.4HH	11	113	-9.75	-14.03	-11.63	-19.19	-21.25	-26.65	-25.63	-25.25									
16	AUG804 5.4HV	11	113	-16.41	-20.32	-24.69	-27.47	-30.85	-40.86	-41.46	-42.59									
16	AUG804 64.75HH	11	113	12.60	6.85	3.85	3.22	1.32	-0.62	-0.36	-1.56									
16	AUG804 74.75HV	11	113	9.64	0.81	-0.47	-1.07	-2.81	-2.68	-1.74	-2.98									
16	AUG804 8NS C	11	111	0.80	1.35	0.76	13.16	7.31	9.17	3.27	26.60									
16	AUG804 9HLHCVC	11	111	287.1	277.0	288.4														
16	AUG80410FLD SM	11	111	29.0	26.1	29.4	29.2	26.4	26.5											
16	AUG80411LN SM	11	111	29.6	26.1	26.4	29.2	26.1	26.5											
16	AUG80412LN SM	11	113	29.6	25.4	27.9	27.8	27.1	25.8											
16	AUG80413	-	11	5892.7	1148.6	.	.	.	.							
16	AUG80414 PRYS	11	111	25.5	.	4.630	1.179	9245.4												
16	AUG801 113.3VV	12	111	1.79	0.24	-2.06	-4.67	-3.38	-5.54	-6.30	-5.81									
16	AUG801 21.6HH	12	111	-13.30	-14.52	-15.48	-17.09	-16.55	-13.59	-21.21	-22.08									
16	AUG801 31.6HV	12	111	-13.27	-19.77	-23.15	-22.61	-22.18	-24.18	-27.71	-26.79									
16	AUG801 4.4HH	12	111	-8.12	-14.61	-19.59	-22.30	-23.85	-27.28	-25.67	-27.93									
16	AUG801 5.4HV	12	111	-17.57	-23.08	-26.99	-31.14	-33.13	-40.80	-41.79	-41.40									
16	AUG801 64.75HH	12	111	9.48	5.02	2.90	2.23	1.10	-2.04	-0.82	-2.45									
16	AUG801 74.75HV	12	111	10.71	4.13	1.31	1.11	-2.80	-0.82	0.28	-0.78									
16	AUG801 8NS C	12	111	.	1.81	0.64	10.93	4.80	.	.	19.80									
16	AUG801 9HLHCVC	12	122	281.2	269.8	280.7														
16	AUG80110FLD SM	12	111	22.9	22.3	23.6	22.8	23.3	25.1											
16	AUG80111LN SM	12	122	22.9	22.3	23.6	22.8	23.3	25.1											
16	AUG80112LN SM	12	111	22.9	22.3	23.6	22.8	23.3	25.1											
16	AUG80113	+	12	5892.7	1148.6	.	.	.	.							
16	AUG80114 PRYS	12	122	19.1	.	3.999	1.178	9245.4												
16	AUG802 113.3VV	12	122	0.85	-0.93	-3.77	-6.31	-4.96	-6.75	-8.09	-7.83									
16	AUG802 21.6HH	12	122	-13.12	-16.25	-16.14	-19.23	-16.84	-19.23	-22.42	-22.59									
16	AUG802 31.6HV	12	122	-14.31	-21.71	-23.19	-24.03	-23.19	-25.01	-29.06	-26.36									
16	AUG802 4.4HH	12	122	-5.20	-14.29	-17.06	-20.85	-22.18	-28.70	-27.16	-28.38									
16	AUG802 5.4HV	12	122	-14.97	-19.55	-23.51	-28.13	-31.94	-41.34	-42.75	-41.52									
16	AUG802 64.75HH	12	122	9.69	3.97	1.96	1.29	-0.68	-3.28	-2.47	-4.53									
16	AUG802 74.75HV	12	122	8.60	4.59	0.76	-0.11	-3.16	-1.65	-0.46	-1.61									
16	AUG802 8NS C	12	121	0.80	1.44	0.79	13.91	7.89	10.37	3.81	19.60									
16	AUG802 9HLHCVC	12	121	278.1	271.2	279.9														
16	AUG80210FLD SM	12	121	25.3	23.4	24.5	25.6	23.5	25.5											
16	AUG80211LN SM	12	121	26.3	23.7	25.6	26.3	24.9	25.6											
16	AUG80212LN SM	12	122	26.3	23.7	25.6	26.3	24.9	25.6											
16	AUG80213	+	12	5892.7	1148.6	.	.	.	.							
16	AUG80214 PRYS	12	121	19.3	.	5.111	1.180	9245.4												
16	AUG803 113.3VV	12	122	1.38	-0.74	-3.03	-5.76	-4.21	-6.16	-6.73	-7.13									
16	AUG803 21.6HH	12	122	-11.04	-18.27	-15.19	-19.89	-16.60	-19.14	-21.91	-23.19									
16	AUG803 31.6HV	12	122	-13.31	-22.02	-22.34	-24.30	-22.64	-24.94	-29.24	-27.53									
16	AUG803 4.4HH	12	122	-1.59	-12.07	-14.18	-17.34	-20.43	-24.53	-25.49	-27.24									
16	AUG803 5.4HV	12	122	-14.81	-21.05	-24.01	-28.93	-31.43	-40.53	-42.49	-42.09									
16	AUG803 64.75HH	12	122	11.43	5.34	2.58	1.68	0.22	-2.04	-0.92	-3.19									
16	AUG803 74.75HV	12	122	10.55	3.40	2.03	0.93	-0.92	-0.47	0.19	-0.29									
16	AUG803 8NS C	12	121	0.71	1.27	0.70	12.88	7.38	9.20	3.33	22.70									
16	AUG803 9HLHCVC	12	121	282.7	274.8	284.8														
16	AUG80310FLD SM	12	121	25.8	23.4	24.5	25.6	23.5	25.5											
16	AUG80311LN SM	12	121	25.8	23.4	24.5	25.6	23.5	25.5											
16	AUG80312LN SM	12	122	26.3	23.7	25.6	26.3	24.9	25.6											
16	AUG80313	+	12	5892.7	1148.6											

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16	AUG803	14	PRT5	12	121	23.4		4.738		9245.4							
18	AUG804	113.3VV	12	122	0.32	-1.35	-5.02	-18.11	-18.11	-8.59	-8.15	-8.23	-5.16				
18	AUG804	21.6HH	12	122	-14.01	-14.53	-17.18	-28.75	-17.71	-18.54	-20.82	-22.17					
18	AUG804	31.6HV	12	122	-16.31	-22.01	-23.93	-28.89	-24.12	-25.79	-27.01	-27.93					
18	AUG804	4.4HH	12	122	-13.47	-14.43	-17.06	-26.81	-20.13	-26.85	-27.04	-28.54					
14	AUG804	5.4HV	12	122	-15.54	-20.29	-23.48	-28.46	-20.85	-28.69	-21.72	-22.31					
18	AUG804	64.75HH	12	122	11.12	8.03	3.74	2.70	0.78	-1.61	-1.78	-2.74					
18	AUG804	74.75HV	12	122	5.44	-0.12	-4.01	-7.28	-6.33	-7.51	-6.64	-7.59					
18	AUG804	8NS C	12		0.73	1.25	0.68	12.40	3.55	6.75	3.12	26.70					
18	AUG804	9HLHCVC	12	121	287.3	278.2	258.0										
18	AUG804	10FLD SM	12		24.5	22.7	24.6	24.5	24.9	25.8							
18	AUG804	11LN SM	12	121	22.3	20.7	24.5	23.2	26.7	26.4							
18	AUG804	12LN SM	12	122	24.3	22.7	24.8	24.5	24.9	25.8							
18	AUG804	13			5892.7	1148.5											
18	AUG804	14 PRT5	12	121	25.5		4.583	1.122	9245.4								
14	AUG801	113.3VV	13	121	0.17	-1.17	-4.52	-7.01	-6.92	-10.59	-11.46	-10.90					
14	AUG801	21.6HH	13	121	-13.95	-15.49	-18.07	-21.92	-21.53	-25.78	-29.17	-30.51					
14	AUG801	31.6HV	13	121	-15.14	-24.21	-26.53	-32.55	-32.25	-36.42	-39.73	-38.09					
14	AUG801	4.4HH	13	121	-13.96	-17.71	-21.72	-25.00	-26.51	-34.93	-35.72	-37.58					
14	AUG801	5.4HV	13	121	-22.42	-27.06	-32.25	-38.21	-45.53	-53.02	-54.18	-56.06					
14	AUG801	64.75HH	13	121	5.72	1.59	-2.09	-3.74	-7.10	-11.63	-11.96	-12.61					
14	AUG801	74.75HV	13	121	0.99	-12.48	-17.28	-18.92	-21.39	-26.55	-26.13	-19.69					
14	AUG801	8NS MS	13		2.22	3.69	3.47	10.56	6.09			22.40					
14	AUG801	9HLHCVC	13	112	286.1	268.9	279.3										
14	AUG801	10FLD SM	13		3.4	4.7	11.8	10.3	13.5	15.3							
14	AUG801	11LN SM	13	112	3.4	4.7	11.8	10.3	13.5	15.3							
14	AUG801	12LN SM	13	121	3.3	5.4	13.7	12.0	15.7	19.9							
14	AUG801	13															
14	AUG801	14 PRT5	13	112	22.1		1.279	1.003									
16	AUG802	113.3VV	13	112	9.83	1.87	-2.20	-6.07	-5.48	-8.47	-10.11	-11.52					
16	AUG802	21.6HH	13	112	-1.90	-12.65	-9.85	-19.51	-19.09	-25.93	-26.40	-28.95					
16	AUG802	31.6HV	13	112	-8.38	-20.58	-25.02	-31.38	-33.55	-39.58	-39.99	-43.49					
16	AUG802	4.4HH	13	112	5.82	-13.16	-17.15	-18.20	-23.14	-34.30	-34.24	-34.60					
16	AUG802	5.4HV	13	112	-3.79	-18.72	-23.93	-31.73	-37.40	-46.53	-46.97	-50.24					
16	AUG802	64.75HH	13	112	10.63	8.05	3.63	1.17	-2.29	-6.70	-5.95	-6.80					
16	AUG802	74.75HV	13	112	18.34	-0.97	-6.24	-8.66	-8.90	-8.90	-8.91	-8.26					
16	AUG802	8NS MS	13		1.74	2.99	3.17	9.27	6.66	18.71	7.47	20.30					
16	AUG802	9HLHCVC	13	111	256.7	255.6	263.9										
16	AUG802	10FLD SM	13		10.2	14.5	17.2	15.7	15.3	18.5							
16	AUG802	11LN SM	13	111	10.2	14.5	17.2	15.7	15.3	18.5							
16	AUG802	12LN SM	13	112	11.2	15.2	19.1	17.2	17.3	20.0							
16	AUG802	13															
16	AUG802	14 PRT5	13	111	19.3		1.007	0.955									
16	AUG803	113.3VV	13	112	2.61	1.25	-2.63	-6.36	-6.56	-10.56	-10.71	-11.59					
16	AUG803	21.6HH	13	112	-5.67	-12.89	-13.59	-20.53	-20.32	-25.69	-27.37	-30.29					
16	AUG803	31.6HV	13	112	-14.44	-23.66	-27.21	-30.06	-30.68	-33.26	-37.25	-37.87					
16	AUG803	4.4HH	13	112	-8.65	-13.75	-17.47	-20.49	-26.69	-33.25	-33.81	-34.63					
16	AUG803	5.4HV	13	112	-16.14	-19.85	-25.11	-31.40	-37.57	-46.14	-50.37	-51.81					
16	AUG803	64.75HH	13	112	12.70	7.77	4.54	1.90	-1.29	-5.44	-6.06	-7.52					
16	AUG803	74.75HV	13	112	9.84	-1.04	-3.94	-6.07	-8.20	-6.97	-6.33	-6.73					
16	AUG803	8NS MS	13		2.01	3.42	3.03	9.74	7.32	21.25	8.94	27.40					
16	AUG803	9HLHCVC	13	111	263.9	268.9	278.2										
16	AUG803	10FLD SM	13		10.2	14.5	17.2	15.7	15.3	18.5							
16	AUG803	11LN SM	13	111	8.9	12.7	15.1	14.0	12.8	15.8							
16	AUG803	12LN SM	13	112	8.9	12.7	15.1	14.0	12.8	15.8							
16	AUG803	13															
16	AUG803	14 PRT5	13	111	27.9		1.330	1.012									
18	AUG804	113.3VV	13	113	0.25	-0.50	-4.29	-7.59	-6.93	-9.34	-10.34	-10.09					
18	AUG804	21.6HH	13	113	-15.14	-21.41	-20.64	-25.28	-21.23	-27.62	-29.78	-30.48					
18	AUG804	31.6HV	13	113	-15.38	-25.50	-29.08	-33.38	-31.30	-36.31	-38.93	-39.03					

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12	AUG804	4.4HH	13	113	-7.35	-12.02	-15.21	-20.55	-25.61	-32.52	-33.80	-37.16
13	AUG804	5.4HV	13	113	-15.75	-20.11	-25.11	-31.79	-38.70	-45.31	-47.01	-43.01
12	AUG804	64.75HH	13	113	12.33	7.46	4.27	2.32	-0.70	-5.25	-4.65	-5.68
12	AUG804	74.75HV	13	113	7.57	-3.55	-7.33	-8.65	-10.39	-9.26	-3.69	-8.20
12	AUG804	8NS MS	13		2.30	3.93	3.33	11.58	8.16	23.46	9.86	37.80
15	AUG804	9HLHCVC	13	111	299.1	280.9	252.4					
12	AUG804	10FLD SM	13		5.1	10.5	14.5	11.9	13.0	16.1		
12	AUG804	11LN SM	13	111	3.6	11.9	16.5	13.9	15.0	17.3		
12	AUG804	12LN SM	13	113	3.5	12.5	16.5	13.9	15.0	18.1		
12	AUG804	13	<	13								
12	AUG804	14 PRYS	13	111	37.6		1.631	1.026				
14	AUG801	113.3VV	14	111	1.67	0.76	-3.32	-6.33	-5.87	-10.37	-10.76	-10.77
14	AUG801	21.6HH	14	111	-12.07	-14.90	-15.95	-21.45	-21.95	-26.36	-30.38	-31.63
14	AUG801	31.6HV	14	111	-13.16	-21.75	-27.05	-31.78	-34.46	-37.07	-40.34	-40.79
14	AUG801	4.4HH	14	111	-10.22	-15.49	-19.67	-21.93	-27.53	-33.73	-35.70	-37.11
14	AUG801	5.4HV	14	111	-19.16	-23.33	-28.87	-33.62	-43.75	-51.09	-53.83	-54.63
14	AUG801	64.75HH	14	111	11.22	7.70	3.67	1.98	-1.91	-6.45	-5.63	-7.75
14	AUG801	74.75HV	14	111								
14	AUG801	8NS MS	14		1.72	3.40	3.37	8.62	5.31			22.80
14	AUG801	9HLHCVC	14	122	285.9	269.6	279.5					
14	AUG801	10FLD SM	14		1.7	3.3	11.7	10.1	13.7	17.4		
14	AUG801	11LN SM	14	122	1.7	3.3	11.7	10.1	13.7	17.4		
14	AUG801	12LN SM	14	111	1.7	3.3	11.7	10.1	13.7	17.4		
14	AUG801	13	>	14								
14	AUG801	14 PRYS	14	122	21.7		0.557	0.969				
16	AUG802	113.3VV	14	122	1.59	0.77	-3.64	-7.50	-7.73	-11.16	-12.48	-12.05
16	AUG802	21.6HH	14	122	-7.22	-11.33	-14.60	-20.39	-19.73	-25.56	-29.30	-31.12
16	AUG802	31.6HV	14	122	-12.91	-23.81	-26.28	-30.85	-31.82	-35.85	-38.77	-37.39
16	AUG802	4.4HH	14	122	-10.80	-15.88	-15.77	-20.11	-26.71	-34.50	-34.01	-35.73
16	AUG802	5.4HV	14	122	-18.59	-22.02	-26.43	-33.97	-41.64	-48.57	-51.38	-54.31
16	AUG802	64.75HH	14	122	12.50	7.24	3.76	0.62	-2.70	-7.49	-7.48	-9.49
16	AUG802	74.75HV	14	122	11.41	-2.24	-6.03	-7.23	-10.15	-6.93	-8.87	-8.94
16	AUG802	8NS MS	14		2.26	3.72	3.47	9.05	7.13	23.82	10.32	21.90
16	AUG802	9HLHCVC	14	121	261.4	256.8	253.4					
16	AUG802	10FLD SM	14		9.9	14.7	16.9	15.3	16.7	20.3		
16	AUG802	11LN SM	14	121	9.5	13.7	15.9	14.4	14.8	18.9		
16	AUG802	12LN SM	14	122	9.5	13.7	15.9	14.4	14.8	18.9		
16	AUG802	13	>	14								
16	AUG802	14 PRYS	14	121	21.1		0.546	0.973				
16	AUG803	113.3VV	14	122	3.00	1.24	-3.07	-6.57	-6.69	-11.41	-10.86	-13.14
16	AUG803	21.6HH	14	122	-6.43	-11.53	-12.82	-20.39	-20.09	-25.20	-29.02	-31.47
16	AUG803	31.6HV	14	122	-14.62	-23.73	-27.27	-30.45	-31.17	-34.71	-37.59	-37.98
16	AUG803	4.4HH	14	122	-5.20	-14.43	-13.43	-17.01	-26.17	-34.14	-34.12	-36.77
16	AUG803	5.4HV	14	122	-16.42	-21.02	-26.76	-30.31	-40.20	-48.22	-51.54	-54.50
16	AUG803	64.75HH	14	122	12.37	7.37	3.72	1.66	-1.94	-6.41	-6.32	-8.37
16	AUG803	74.75HV	14	122	11.09	-1.16	-6.25	-7.98	-9.81	-9.11	-8.58	-8.90
16	AUG803	8NS MS	14		2.44	4.06	3.82	9.29	7.58	25.46	11.31	29.90
16	AUG803	9HLHCVC	14	121	269.0	273.2	263.7					
16	AUG803	10FLD SM	14		9.9	14.7	16.9	15.3	16.7	20.3		
16	AUG803	11LN SM	14	121	9.9	14.7	16.9	15.3	16.7	20.3		
16	AUG803	12LN SM	14	122	9.5	13.7	15.9	14.4	14.8	18.9		
16	AUG803	13	>	14								
16	AUG803	14 PRYS	14	121	31.9		0.428	0.958				
18	AUG804	113.3VV	14	122	2.34	0.48	-3.47	-6.28	-6.15	-9.78		
18	AUG804	21.6HH	14	122	-14.05	-16.99	-19.62	-23.18	-23.76	-26.32		
18	AUG804	31.6HV	14	122	-17.18	-24.84	-28.64	-33.14	-32.50	-37.00		
18	AUG804	4.4HH	14	122	-2.71	-15.89	-21.33	-24.06	-30.27	-36.69		
18	AUG804	5.4HV	14	122	-14.56	-19.95	-27.19	-37.75	-41.75	-49.66		
18	AUG804	64.75HH	14	122	10.35	6.68	3.72	1.81	-0.46	-4.62		
18	AUG804	74.75HV	14	122	7.08	-0.57	-12.50	-15.41	-14.55	-10.49		

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13	AUG804	BNS	15	121	2.55	4.11	3.82	9.47	7.37	25.33	11.02	39.80
13	AUG804	9HLHCVC	15	121	300.4	280.2	291.1
13	AUG804	10FLD SM	15		4.2	11.2	15.4	12.1	14.2	17.5	.	.
13	AUG804	11LN SM	15	121	4.2	11.2	15.4	12.1	14.2	17.6	.	.
13	AUG804	12LN SM	15	122	4.2	11.2	15.4	12.1	14.2	17.6	.	.
13	AUG804	13	15		.	.	.	.	.	.	.	.
13	AUG804	14 PRTS	15	121	39.2	.	0.497	0.951	.	.	.	.
14	AUG801	113.3VV	15	121	-0.48	-2.93	-6.89	-9.37	-8.15	-21.55	-11.48	-13.98
14	AUG801	21.6HH	15	121	-13.32	-16.46	-20.03	-22.87	-21.19	-25.35	-28.23	-31.99
14	AUG801	31.6HV	15	121	-17.12	-24.32	-29.05	-31.64	-31.57	-35.40	-36.18	-39.26
14	AUG801	4.4HH	15	121	-12.37	-16.28	-20.99	-27.12	-29.59	-36.91	-37.32	-40.53
14	AUG801	5.4HV	15	121	-21.64	-25.82	-32.31	-39.19	-43.39	-50.65	-54.05	-57.71
14	AUG801	64.75HH	15	121	5.03	-0.55	-4.66	-6.31	-8.41	-12.57	-12.03	-13.75
14	AUG801	74.75HV	15	121	1.47	-12.70	-19.29	-20.40	-22.90	-21.27	-21.34	-20.02
14	AUG801	BNS DS	15		1.49	2.34	2.53	5.56	3.68	.	.	23.20
14	AUG801	9HLHCVC	15	112	283.6	272.3	282.1	.	.	.	.	.
14	AUG801	10FLD SM	15		4.5	6.9	13.5	.	.	.	.	.
14	AUG801	11LN SM	15	112	4.5	6.9	13.5	.	.	.	.	.
14	AUG801	12LN SM	15	121	4.7	6.8	13.0	.	.	.	.	.
14	AUG801	13	15		.	.	.	.	.	.	.	.
14	AUG801	14 PRTS	15	112	22.8	.	0.216	0.954	.	.	.	.
16	AUG802	113.3VV	15	112	1.67	-0.62	-3.74	-7.36	-7.09	-10.92	-11.43	-11.30
16	AUG802	21.6HH	15	112	-4.39	-17.59	-15.58	-22.76	-19.82	-25.67	-26.87	-31.51
16	AUG802	31.6HV	15	112	-14.01	-23.57	-27.32	-30.75	-31.02	-33.02	-36.15	-37.92
16	AUG802	4.4HH	15	112	-1.76	-13.30	-15.15	-20.70	-23.41	-31.74	-33.51	-35.66
16	AUG802	5.4HV	15	112	-11.49	-18.82	-21.05	-32.78	-37.33	-46.71	-49.53	-51.86
16	AUG802	64.75HH	15	112	12.34	6.02	1.60	-2.14	-4.27	-9.56	-9.93	-12.07
16	AUG802	74.75HV	15	112	14.50	-5.32	-9.10	-11.82	-12.14	-13.28	-12.87	-14.88
16	AUG802	BNS DS	15		1.69	2.02	2.53	5.83	4.97	18.63	8.56	21.10
16	AUG802	9HLHCVC	15	111	249.4	261.1	259.7	.	.	.	.	.
16	AUG802	10FLD SM	15		14.9	23.2	19.8	.	.	.	.	.
16	AUG802	11LN SM	15	111	14.9	23.2	19.8	.	.	.	.	.
16	AUG802	12LN SM	15	112	14.9	23.2	19.8	.	.	.	.	.
16	AUG802	13	15		.	.	.	.	.	.	.	.
16	AUG802	14 PRTS	15	111	20.2	.	0.131	0.954	.	.	.	.
15	AUG803	113.3VV	15	112	2.52	0.06	-4.64	-7.82	-7.85	-11.70	-11.44	-12.33
15	AUG803	21.6HH	15	112	-10.43	-15.04	-18.31	-21.40	-19.95	-25.72	-26.21	-31.59
15	AUG803	31.6HV	15	112	-14.59	-24.97	-28.00	-32.01	-31.44	-35.03	-35.76	-37.98
15	AUG803	4.4HH	15	112	-8.29	-14.51	-16.60	-22.79	-26.20	-35.04	-36.72	-38.42
15	AUG803	5.4HV	15	112	-16.11	-20.74	-25.97	-37.23	-38.99	-49.63	-52.14	-54.29
15	AUG803	64.75HH	15	112	12.54	5.06	1.31	-0.71	-3.80	-8.08	-8.01	-10.61
15	AUG803	74.75HV	15	112	9.60	-3.97	-8.96	-10.54	-12.85	-13.26	-13.23	-12.49
15	AUG803	BNS DS	15		1.91	3.03	2.84	6.34	5.57	20.20	9.65	31.00
15	AUG803	9HLHCVC	15	111	246.9	275.3	284.5	.	.	.	.	.
15	AUG803	10FLD SM	15		14.9	23.2	19.8	.	.	.	.	.
15	AUG803	11LN SM	15	111	14.9	23.2	19.8	.	.	.	.	.
15	AUG803	12LN SM	15	112	14.9	23.2	19.8	.	.	.	.	.
15	AUG803	13	15		.	.	.	.	.	.	.	.
15	AUG803	14 PRTS	15	111	33.4	.	0.080	0.939	.	.	.	.
13	AUG804	113.3VV	15	113	0.29	-1.97	-8.96	-8.56	-8.80	-11.64	-12.49	-12.43
13	AUG804	21.6HH	15	113	-15.51	-20.53	-21.38	-25.40	-23.37	-28.01	-30.12	-31.63
13	AUG804	31.6HV	15	113	-15.54	-25.55	-29.42	-33.25	-33.99	-37.43	-37.79	-40.46
13	AUG804	4.4HH	15	113	-8.01	-13.19	-18.88	-22.79	-27.65	-35.10	-36.23	-38.66
13	AUG804	5.4HV	15	113	-17.03	-20.15	-27.60	-36.74	-41.50	-50.57	-52.19	-53.07
13	AUG804	64.75HH	15	113	12.08	5.60	1.67	1.03	-2.36	-6.36	-5.87	-8.14
13	AUG804	74.75HV	15	113	8.29	-5.20	-10.37	-11.44	-13.92	-13.03	-12.44	-12.59
13	AUG804	BNS DS	15		2.50	3.85	3.51	7.63	6.33	23.92	11.25	42.00
13	AUG804	9HLHCVC	15	111	294.9	286.6	297.0
13	AUG804	10FLD SM	15		7.7	10.9	17.7
13	AUG804	11LN SM	15	111	7.6	10.4	17.1

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18	AUG804	12LN SM	15	113	7.1	12.1	15.6
18	AUG804	13	15	113
18	AUG804	14 PRYS	15	111	41.1	.	0.077	0.926
14	AUG801	113.3VV	15	111	-7.18	-4.51	-7.02	-9.07	-7.95	-10.07	-10.29	-9.74	.	.	.	.	.	.	.	.
14	AUG801	21.6HH	15	111	-14.05	-17.54	-19.59	-22.25	-20.12	-23.38	-28.02	-29.61	.	.	.	.	.	.	.	.
14	AUG801	31.6HV	15	111	-13.23	-22.59	-27.05	-30.70	-32.20	-33.59	-35.19	-37.57	.	.	.	.	.	.	.	.
14	AUG801	4.4HH	15	111	-10.71	-15.57	-18.59	-22.81	-26.68	-33.35	-35.32	-34.58	.	.	.	.	.	.	.	.
14	AUG801	5.4HV	15	111	-19.48	-25.17	-25.48	-27.14	-42.71	-50.37	-52.30	-54.44	.	.	.	.	.	.	.	.
14	AUG801	64.75HH	15	111	8.27	4.86	0.95	0.50	-2.37	-5.81	-5.25	-5.96	.	.	.	.	.	.	.	.
14	AUG801	74.75HV	15	111	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	BNS DS	15	118	1.29	2.10	2.14	5.18	3.53	.	.	23.40	.	.	.	.	.	.	.	.
14	AUG801	9HLHCVC	15	122	286.3	276.2	286.8	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	10FLD SM	15	122	4.7	6.1	11.7	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	11LN SM	15	122	4.7	6.1	11.7	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	12LN SM	15	111	4.7	6.1	11.7	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	13	15	113	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14	AUG801	14 PRYS	15	122	22.2	.	0.227	0.956	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	113.3VV	15	122	0.30	-1.30	-4.70	-6.79	-6.55	-9.61	-10.34	-11.04	.	.	.	.	.	.	.	.
15	AUG802	21.6HH	15	122	-10.34	-15.30	-16.81	-19.93	-19.11	-21.50	-26.01	-27.87	.	.	.	.	.	.	.	.
15	AUG802	31.6HV	15	122	-14.04	-23.36	-26.39	-29.93	-29.82	-31.31	-34.07	-34.61	.	.	.	.	.	.	.	.
15	AUG802	4.4HH	15	122	-10.10	-14.50	-17.85	-23.30	-26.55	-35.45	-35.50	-35.90	.	.	.	.	.	.	.	.
15	AUG802	5.4HV	15	122	-15.31	-20.49	-21.16	-32.53	-39.27	-49.48	-52.01	-53.09	.	.	.	.	.	.	.	.
15	AUG802	64.75HH	15	122	9.74	4.80	0	0.73	-1.22	-5.90	-5.53	-8.06	.	.	.	.	.	.	.	.
15	AUG802	74.75HV	15	122	9.19	-2.43	.	-6.07	-10.99	-10.19	-10.17	-10.45	.	.	.	.	.	.	.	.
15	AUG802	BNS DS	15	121	1.94	3.11	2.99	6.76	5.78	21.24	9.59	22.70	.	.	.	.	.	.	.	.
15	AUG802	9HLHCVC	15	121	257.9	266.1	275.9	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	10FLD SM	15	121	11.3	19.9	15.5	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	11LN SM	15	121	12.1	21.2	16.4	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	12LN SM	15	122	14.3	19.9	15.5	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	13	15	123	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG802	14 PRYS	15	121	21.3	.	0.119	0.942	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	113.3VV	15	122	-0.30	-1.20	-4.80	-6.70	-6.20	-9.30	-10.30	-10.40	.	.	.	.	.	.	.	.
15	AUG803	21.6HH	15	122	-11.90	-14.00	-17.30	-19.20	-19.00	-21.90	-26.10	-27.40	.	.	.	.	.	.	.	.
15	AUG803	31.6HV	15	122	-13.90	-23.70	-27.10	-28.30	-29.00	-31.70	-33.20	-35.20	.	.	.	.	.	.	.	.
15	AUG803	4.4HH	15	122	-12.00	-15.50	-18.30	-22.50	-26.60	-32.90	-35.20	-34.60	.	.	.	.	.	.	.	.
15	AUG803	5.4HV	15	122	-16.40	-20.20	-24.30	-32.60	-37.20	-49.70	-52.00	-51.50	.	.	.	.	.	.	.	.
15	AUG803	64.75HH	15	122	10.00	4.20	1.20	0.50	-1.60	-5.00	-6.10	-6.90	.	.	.	.	.	.	.	.
15	AUG803	74.75HV	15	122	9.50	-2.10	-6.80	-7.50	-10.90	-8.90	-8.70	-9.30	.	.	.	.	.	.	.	.
15	AUG803	BNS DS	15	121	2.15	3.44	3.31	7.29	6.32	22.65	10.38	31.10	.	.	.	.	.	.	.	.
15	AUG803	9HLHCVC	15	121	265.5	281.7	292.5	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	10FLD SM	15	121	11.7	19.9	15.5	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	11LN SM	15	121	11.3	19.9	15.5	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	12LN SM	15	122	12.1	21.2	16.4	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	13	15	123	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15	AUG803	14 PRYS	15	121	32.4	.	0.055	0.936	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	113.3VV	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	21.6HH	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	31.6HV	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	4.4HH	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	5.4HV	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	64.75HH	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	74.75HV	15	122	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	BNS DS	15	121	2.28	3.53	3.32	7.05	5.94	22.09	10.26	41.10	.	.	.	.	.	.	.	.
18	AUG804	9HLHCVC	15	121	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	10FLD SM	15	121	5.0	15.5	13.1	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	11LN SM	15	121	5.0	15.5	13.1	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	12LN SM	15	122	5.7	14.8	12.0	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	13	15	123	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18	AUG804	14 PRYS	15	121	40.3	.	0.055	0.927
14	AUG801	113.3VV	17	121	2.78	-2.01	-7.74	-11.48	-10.02	-14.53	-15.60	-14.58

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14	AUG801	21.6HH	17	121	-13.59	-18.26	-21.55	-25.69	-26.46	-32.47	-36.22	-38.15
14	AUG801	31.6HV	17	121	-16.06	-24.42	-30.53	-34.23	-36.30	-42.04	-44.59	-45.37
14	AUG801	4.4HH	17	121	-14.59	-16.83	-20.86	-24.71	-27.16	-36.40	-36.46	-37.55
14	AUG801	5.4HV	17	121	-22.99	-26.70	-31.96	-38.11	-43.83	-52.75	-52.76	-54.53
14	AUG801	64.75HH	17	121	6.77	-0.79	-6.69	-10.25	-13.54	-18.61	-17.97	-21.59
14	AUG801	74.75HV	17	121	1.19	-12.21	-20.15	-22.21	-22.31	-21.53	-20.37	-20.68
14	AUG801	BNS KS	17		1.79	3.08	3.23	8.09	4.84	.	.	22.60
14	AUG801	9HLHCVC	17	112	287.3	272.5	283.2	.	.	.	.	.
14	AUG801	10FLD SM	17		1.1	1.8	3.2	.	.	.	.	.
14	AUG801	11LN SM	17	112	1.1	1.8	3.2	.	.	.	.	.
14	AUG801	12LN SM	17	121	1.1	1.8	3.2	.	.	.	.	.
14	AUG801	13	\$	17	365.2	340.5	.	.	.	.	.	.
14	AUG801	14 PRTS	17	112	22.7	.	0.457	0.964	.	.	.	.
16	AUG802	113.3VV	17	112	2.63	-1.81	-8.19	-10.58	-11.21	-14.91	-14.99	-16.07
16	AUG802	21.6HH	17	112	-13.26	-14.64	-22.53	-25.00	-26.49	-32.10	-36.43	-37.50
16	AUG802	31.6HV	17	112	-14.29	-24.43	-31.29	-35.77	-36.75	-42.09	-42.39	-44.09
16	AUG802	4.4HH	17	112	-11.19	-15.91	-18.41	-24.24	-25.03	-34.11	-35.64	-39.38
16	AUG802	5.4HV	17	112	-17.35	-23.55	-30.35	-39.31	-42.25	-49.24	-52.16	-55.56
16	AUG802	64.75HH	17	112	11.03	3.56	-2.12	-4.80	-7.46	-10.92	-11.95	-13.99
16	AUG802	74.75HV	17	112	9.00	-3.58	-11.32	-12.89	-16.22	-15.47	-14.98	-17.08
16	AUG802	BNS KS	17		1.50	2.49	2.55	5.91	4.77	16.71	6.77	21.40
16	AUG802	9HLHCVC	17	111	242.7	252.3	261.5	.	.	.	.	.
16	AUG802	10FLD SM	17		6.0	11.9	8.7	.	.	.	.	.
16	AUG802	11LN SM	17	111	6.0	11.9	8.7	.	.	.	.	.
16	AUG802	12LN SM	17	112	6.1	11.6	8.7	.	.	.	.	.
16	AUG802	13	\$	17	365.2	340.5	.	.	.	.	.	.
16	AUG802	14 PRTS	17	111	21.4	.	0.182	0.928	.	.	.	.
16	AUG803	113.3VV	17	112	3.13	-0.59	-8.35	-10.17	-10.26	-13.43	-14.51	-15.53
16	AUG803	21.6HH	17	112	-12.15	-17.49	-23.02	-24.05	-25.10	-31.70	-34.72	-37.25
16	AUG803	31.6HV	17	112	-15.65	-24.96	-29.33	-34.29	-34.87	-40.68	-44.04	-44.36
16	AUG803	4.4HH	17	112	-10.96	-16.50	-19.76	-23.79	-27.26	-34.32	-34.32	-35.39
16	AUG803	5.4HV	17	112	-17.33	-23.57	-30.25	-37.66	-41.09	-51.61	-51.61	-53.42
16	AUG803	64.75HH	17	112	13.76	6.07	1.04	-3.01	-6.62	-11.57	-10.16	-13.13
16	AUG803	74.75HV	17	112	9.80	-4.27	-9.12	-10.82	-14.77	-13.72	-10.93	-13.49
16	AUG803	BNS KS	17		1.76	2.54	2.84	5.26	5.34	19.44	7.90	29.90
16	AUG803	9HLHCVC	17	111	251.4	257.5	266.0	.	.	.	.	.
16	AUG803	10FLD SM	17		6.0	11.9	8.7	.	.	.	.	.
16	AUG803	11LN SM	17	111	6.1	11.6	8.7	.	.	.	.	.
16	AUG803	12LN SM	17	112	6.1	11.5	8.7	.	.	.	.	.
16	AUG803	13	\$	17	365.2	340.5	.	.	.	.	.	.
16	AUG803	14 PRTS	17	111	32.7	.	0.089	0.939	.	.	.	.
18	AUG804	113.3VV	17	113	4.15	-1.43	-7.11	-10.87	-11.95	-14.99	-15.52	-15.57
18	AUG804	21.6HH	17	113	-12.72	-19.91	-22.58	-26.99	-25.89	-33.32	-35.93	-36.78
18	AUG804	31.6HV	17	113	-15.02	-24.88	-29.76	-35.69	-35.99	-41.33	-42.67	-42.94
18	AUG804	4.4HH	17	113	-5.17	-11.98	-17.49	-22.65	-28.42	-36.03	-36.49	-38.51
18	AUG804	5.4HV	17	113	-15.82	-20.00	-27.27	-36.94	-45.46	-51.65	-52.34	-55.71
18	AUG804	64.75HH	17	113	14.10	5.86	0.21	-2.70	-6.68	-10.35	-7.33	-9.78
18	AUG804	74.75HV	17	113	9.78	-5.23	-13.34	-16.18	-18.07	-17.78	-14.87	-15.47
18	AUG804	BNS KS	17		2.29	3.69	3.52	7.57	6.18	22.97	9.23	40.50
18	AUG804	9HLHCVC	17	111	291.0	282.2	292.6	.	.	.	.	.
18	AUG804	10FLD SM	17		2.2	7.7	6.0	.	.	.	.	.
18	AUG804	11LN SM	17	111	2.1	7.7	5.9	.	.	.	.	.
18	AUG804	12LN SM	17	113	2.2	7.9	5.9	.	.	.	.	.
18	AUG804	13	\$	17	365.2	340.5	.	.	.	.	.	.
18	AUG804	14 PRTS	17	111	41.1	.	0.021	0.930	.	.	.	.
14	AUG801	113.3VV	18	111	3.44	-1.40	-6.97	-10.86	-10.90	-13.35	-12.72	-13.07
14	AUG801	21.6HH	18	111	-12.64	-16.86	-19.78	-24.37	-24.49	-32.08	-36.42	-38.25
14	AUG801	31.6HV	18	111	-12.60	-20.93	-26.10	-34.63	-37.11	-42.86	-44.88	-45.81
14	AUG801	4.4HH	18	111	-7.26	-11.89	-16.42	-21.02	-22.45	-31.05	-32.94	-35.77
14	AUG801	5.4HV	18	111	-20.09	-25.08	-32.35	-40.88	-46.14	-52.54	-52.92	-53.99

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14	AUG801	64.75HH	18	111	11.87	0.89	-0.31	-4.44	-7.57	-12.31	-13.32	-14.81	
14	AUG801	74.75HV	18	111									
14	AUG801	8NS WS	18		1.87	3.23	3.39	8.47	5.41	.	.	.	23.30
14	AUG801	9HLHCVC	18	122	286.7	273.6	283.9	.	.	.	.	.	.
14	AUG801	10FLD SM	18		1.1	1.8	3.2	.	.	.	.	.	.
14	AUG801	11LN SM	18	122	1.1	1.8	3.2	.	.	.	.	.	.
14	AUG801	12LN SM	18	111	1.1	1.8	3.2	.	.	.	.	.	.
14	AUG801	13	*	18	365.2	340.5	.	.	.	.	.	.	.
14	AUG801	14 PRT5	18	122	22.2		0.477	0.964	.	.	.	.	.
16	AUG802	113.3VV	18	122	5.20	1.30	-4.51	-8.92	-6.68	-13.39	-14.18	-15.15	
16	AUG802	21.6HH	18	122	-6.67	-11.50	-16.38	-21.55	-23.29	-29.65	-34.10	-33.95	
16	AUG802	31.6HV	18	122	-13.55	-24.25	-27.69	-32.60	-35.64	-40.21	-42.05	-43.50	
16	AUG802	4.4HH	18	122	-6.68	-11.02	-18.39	-22.80	-26.78	-34.65	-38.37	-35.40	
16	AUG802	5.4HV	18	122	-18.51	-21.22	-29.10	-33.84	-42.98	-50.16	-50.69	-53.16	
16	AUG802	64.75HH	18	122	14.80	7.42	1.22	-2.42	-3.82	-10.75	-12.14	-13.45	
16	AUG802	74.75HV	18	122	9.71	-3.98	-10.24	-13.40	-16.41	-17.31	-16.78	-17.31	
16	AUG802	8NS WS	18		1.55	2.53	2.57	5.88	4.90	17.74	6.73	22.80	
16	AUG802	9HLHCVC	18	121	243.7	248.3	257.7	.	.	.	.	.	.
16	AUG802	10FLD SM	18		9.2	13.2	8.8	.	.	.	.	.	.
16	AUG802	11LN SM	18	121	9.5	12.5	9.6	.	.	.	.	.	.
16	AUG802	12LN SM	18	122	10.1	12.9	9.7	.	.	.	.	.	.
16	AUG802	13	*	18	365.2	340.5	.	.	.	.	.	.	.
16	AUG802	14 PRT5	18	121	22.8		0.130	0.924	.	.	.	.	.
16	AUG803	113.3VV	18	122	6.53	1.69	-4.13	-7.91	-7.91	-12.63	-13.67	-13.39	
16	AUG803	21.6HH	18	122	-8.22	-11.55	-16.10	-20.83	-22.52	-28.85	-32.91	-33.29	
16	AUG803	31.6HV	18	122	-15.28	-24.06	-28.95	-33.89	-33.38	-40.89	-42.65	-42.89	
16	AUG803	4.4HH	18	122	-7.73	-11.90	-18.39	-23.09	-26.67	-32.82	-35.03	-35.61	
16	AUG803	5.4HV	18	122	-18.48	-21.65	-30.35	-39.04	-42.87	-49.15	-46.54	-52.21	
16	AUG803	64.75HH	18	122	14.88	7.59	1.28	-1.57	-5.33	-10.52	-11.00	-12.78	
16	AUG803	74.75HV	18	122	9.42	-2.19	-9.67	-12.00	-15.86	-15.22	-15.25	-16.25	
16	AUG803	8NS WS	18		1.78	2.95	2.87	6.27	5.43	19.76	8.01	30.10	
16	AUG803	9HLHCVC	18	121	245.4	250.2	259.0	.	.	.	.	.	.
16	AUG803	10FLD SM	18		9.2	13.2	8.8	.	.	.	.	.	.
16	AUG803	11LN SM	18	121	9.6	12.5	9.8	.	.	.	.	.	.
16	AUG803	12LN SM	18	122	10.1	12.9	9.7	.	.	.	.	.	.
16	AUG803	13	*	18	365.2	340.5	.	.	.	.	.	.	.
16	AUG803	14 PRT5	18	121	23.4		0.027	0.934	.	.	.	.	.
18	AUG804	113.3VV	18	122	1.89	-1.99	-8.13	-10.75	-11.18	-14.68	-15.69	.	.
18	AUG804	21.6HH	18	122	-14.08	-14.84	-21.45	-23.16	-24.69	-31.33	-33.39	.	.
18	AUG804	31.6HV	18	122	-16.13	-25.38	-29.09	-34.37	-34.36	-41.25	-43.44	.	.
18	AUG804	4.4HH	18	122	-9.26	-12.60	-19.41	-22.18	-26.53	-34.88	-35.65	.	.
18	AUG804	5.4HV	18	122	-17.41	-21.53	-29.51	-37.56	-41.89	-50.26	-51.18	.	.
18	AUG804	64.75HH	18	122	13.57	5.43	-0.10	-4.14	-6.45	-11.03	-11.02	.	.
18	AUG804	74.75HV	18	122	3.00	-9.45	-19.35	-22.23	-25.52	-25.51	-24.25	.	.
18	AUG804	8NS WS	18		1.92	3.06	2.90	6.23	5.33	20.11	7.95	39.00	
18	AUG804	9HLHCVC	18	121	283.3	279.1	290.2	.	.	.	.	.	.
18	AUG804	10FLD SM	18		2.5	6.9	6.3	.	.	.	.	.	.
18	AUG804	11LN SM	18	121	2.4	9.1	6.9	.	.	.	.	.	.
18	AUG804	12LN SM	18	122	2.6	9.1	6.9	.	.	.	.	.	.
18	AUG804	13	*	18	365.2	340.5	.	.	.	.	.	.	.
18	AUG804	14 PRT5	18	121	39.1		0.023	0.930	.	.	.	.	.
19	AUG801	113.3VV	19	121	0.67	-1.57	-8.19	-7.56	-7.75	-10.21	-11.26	-10.52	
19	AUG801	21.6HH	19	121	-15.96	-15.55	-20.89	-22.09	-22.05	-28.92	-32.32	-33.35	
19	AUG801	31.6HV	19	121	-18.87	-26.83	-30.99	-35.96	-35.51	-42.69	-44.51	-45.74	
19	AUG801	4.4HH	19	121	-13.17	-16.38	-21.51	-25.98	-26.15	-36.05	-36.76	-36.27	
19	AUG801	5.4HV	19	121	-25.25	-30.34	-35.82	-43.69	-45.29	-55.19	-53.45	-54.01	
19	AUG801	64.75HH	19	121	5.00	-0.08	-4.58	-7.13	-10.48	-12.97	-14.32	-15.71	
19	AUG801	74.75HV	19	121	2.38	-13.70	-21.90	-23.91	-27.18	-22.70	-24.60	-25.59	
19	AUG801	8NS WS	19		1.51	2.57	2.80	7.02	4.36	.	.	21.30	
19	AUG801	9HLHCVC	19	112	267.0	273.1	263.4	.	.	.	.	.	.

14	AUG80114	PRTS	20	122	20.6		0.455	0.965												
16	AUG802	113.3VV	20	122	4.36	1.49	-3.11	-8.64	-5.50	-9.95	-9.55	-10.79								
16	AUG802	21.6HH	20	122	-8.23	-15.63	-15.84	-22.96	-13.63	-27.84	-31.60	-34.84								
16	AUG802	31.6HV	20	122	-14.33	-24.75	-24.50	-32.34	-35.08	-38.63	-43.19	-41.79								
16	AUG802	4.4HH	20	122	-8.27	-11.60	-17.05	-20.74	-24.70	-32.52	-30.78	-31.92								
16	AUG802	5.4HV	20	122	-17.03	-19.72	-28.17	-35.65	-40.27	-50.29	-48.83	-51.56								
16	AUG802	64.75HH	20	122	13.75	8.65	2.77	-0.84	-4.51	-11.02	-11.70	-13.39								
16	AUG802	74.75HV	20	122	7.33	-5.25	-10.39	-13.56	-17.07	-15.91	-14.93	-15.34								
16	AUG802	8NS DS	20		2.35	4.12	4.33	9.75	7.74	27.46	11.64	21.30								
16	AUG802	9HLHCVC	20	121	255.6	255.1	264.2													
16	AUG8021	OFLD SM	20		7.1	11.6	11.2													
16	AUG8021	1LN SM	20	121	7.1	11.6	11.2													
16	AUG8021	2LN SM	20	122	7.2	11.8	11.5													
16	AUG80213		20																	
16	AUG80214	PRTS	20	121	19.5		0.156	0.941												
16	AUG803	113.3VV	20	122	3.37	1.09	-4.10	-7.78	-3.52	-17.53	-14.12	-13.52								
16	AUG803	21.6HH	20	122	-8.63	-13.86	-15.67	-22.41	-18.77	-28.14	-32.16	-33.34								
16	AUG803	31.6HV	20	122	-13.93	-24.85	-26.17	-32.02	-32.83	-37.07	-1.33	-41.68								
16	AUG803	4.4HH	20	122	-6.50	-11.60	-17.16	-20.65	-23.40	-32.65	-11.23	-31.11								
16	AUG803	5.4HV	20	122	-15.95	-18.73	-28.27	-34.97	-37.15	-46.94	-48.77	-49.61								
16	AUG803	64.75HH	20	122	14.01	8.10	1.98	-1.04	-5.05	-9.67	-9.70	-11.41								
16	AUG803	74.75HV	20	122	10.02	-3.71	-10.18	-12.72	-16.01	-14.49	-14.48	-14.43								
16	AUG803	8NS DS	20		2.51	4.33	4.37	9.90	8.16	27.94	12.78	29.60								
16	AUG803	9HLHCVC	20	121	263.8	272.7	283.4													
16	AUG8031	OFLD SM	20		7.1	11.6	11.2													
16	AUG8031	1LN SM	20	121	7.1	11.6	11.2													
16	AUG8031	2LN SM	20	122	7.2	11.8	11.3													
16	AUG80313		20																	
16	AUG80314	PRTS	20	121	29.9		0.179	0.942												
18	AUG804	113.3VV	20	122	3.07	0.14	-4.34	-8.89	-8.98	-12.70	-13.78									
18	AUG804	21.6HH	20	122	-14.96	-21.01	-20.70	-24.96	-24.64	-29.68	-31.54									
18	AUG804	31.6HV	20	122	-15.55	-25.40	-29.69	-34.98	-34.65	-40.59	-42.69									
18	AUG804	4.4HH	20	122	-7.25	-11.65	-18.29	-22.57	-26.41	-33.97	-32.92									
18	AUG804	5.4HV	20	122	-15.42	-19.27	-26.85	-34.93	-38.32	-49.42	-49.69									
18	AUG804	64.75HH	20	122	12.58	7.24	3.09	-0.08	-3.98	-8.87	-9.20									
18	AUG804	74.75HV	20	122	2.24	-10.07	-16.24	-17.51	-19.92	-20.66	-21.34									
18	AUG804	8NS DS	20		2.70	4.46	4.53	9.79	7.80	28.31	12.85	41.00								
18	AUG804	9HLHCVC	20	121	300.5	284.2	295.2													
18	AUG8041	OFLD SM	20		1.9	6.9	10.0													
18	AUG8041	1LN SM	20	121	2.0	7.0	10.2													
18	AUG8041	2LN SM	20	122	2.0	7.1	10.1													
18	AUG80413		20																	
18	AUG80414	PRTS	20	121	39.4		0.012	0.931												
14	AUG801	113.3VV	21	121	-2.10	-4.71	-7.18	-7.93	-6.65	-9.16	-9.51	-9.08								
14	AUG801	21.6HH	21	121	-17.17	-17.16	-21.02	-22.72	-23.01	-27.02	-30.21	-32.19								
14	AUG801	31.6HV	21	121	-17.88	-25.51	-28.85	-33.02	-32.77	-36.59	-36.19	-37.35								
14	AUG801	4.4HH	21	121	-13.88	-18.44	-21.57	-25.91	-28.22	-36.38	-37.59	-37.88								
14	AUG801	5.4HV	21	121	-21.53	-27.42	-33.77	-40.41	-42.87	-51.44	-53.32	-56.75								
14	AUG801	64.75HH	21	121	1.83	-3.56	-6.99	-7.08	-8.97	-12.02	-12.06	-13.75								
14	AUG801	74.75HV	21	121	3.49	-12.35	-20.13	-20.50	-24.49	-19.67	-21.55	-21.35								
14	AUG801	8NS DS	21		1.31	2.23	2.38	5.97	3.73			21.50								
14	AUG801	9HLHCVC	21	112	288.2	276.1	285.7													
14	AUG8011	OFLD SM	21		1.1	2.0	8.2													
14	AUG8011	1LN SM	21	112	1.2	2.3	8.7													
14	AUG8011	2LN SM	21	121	1.1	2.0	8.2													
14	AUG80113		21																	
14	AUG80114	PRTS	21	112	20.8		0.347	0.965												
16	AUG802	113.3VV	21	112	8.72	-1.45	-5.30	-7.48	-7.35	-10.66	-11.45	-11.53								
16	AUG802	21.6HH	21	112	-10.72	-14.87	-17.01	-20.44	-13.75	-23.81	-30.14	-31.24								
16	AUG802	31.6HV	21	112	-14.73	-23.23	-27.19	-29.68	-30.83	-33.31	-36.12	-36.48								

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16	AUG802	4.4HH	21	112	-7.70	-15.26	-15.07	-19.98	-24.02	-30.51	-34.23	-36.64
16	AUG802	5.4HV	21	112	-11.17	-17.28	-24.85	-29.01	-33.56	-40.40	-47.11	-48.24
15	AUG802	64.75HH	21	112	11.04	5.31	1.81	0.48	-3.06	-7.23	-6.95	-10.48
16	AUG802	74.75HV	21	112	17.50	-2.09	-7.92	-9.15	-12.44	-11.59	-11.32	-12.42
16	AUG802	8NS DS	21		1.83	3.09	3.17	7.36	5.98	21.16	9.26	21.10
16	AUG802	9HLHCVC	21	111	267.0	262.6	269.5					
16	AUG802	10FLD SM	21		7.0	12.0	14.3					
16	AUG802	11LN SM	21	111	6.6	11.5	14.6					
16	AUG802	12LN SM	21	112	6.9	12.2	14.4					
16	AUG802	13										
16	AUG802	14 PRT5	21	111	20.0		0.208	0.948				
16	AUG803	113.3VV	21	112	0.01	-1.42	-5.29	-7.74	-7.43	-10.65	-11.05	-11.60
16	AUG803	21.6HH	21	112	-11.23	-16.43	-17.53	-21.19	-18.70	-25.69	-30.01	-31.21
16	AUG803	31.6HV	21	112	-14.53	-24.16	-27.23	-30.32	-31.24	-33.44	-35.04	-37.17
16	AUG803	4.4HH	21	112	-10.15	-13.62	-18.06	-22.47	-26.56	-33.61	-35.31	-36.67
16	AUG803	5.4HV	21	112	-14.98	-20.29	-27.85	-34.94	-38.55	-48.60	-50.62	-51.17
16	AUG803	64.75HH	21	112	11.90	3.65	1.33	0.59	-2.61	-7.12	-5.57	-8.54
16	AUG803	74.75HV	21	112	11.38	-1.83	-6.78	-8.18	-10.97	-10.41	-10.08	-10.49
16	AUG803	8NS DS	21		2.07	3.46	3.48	7.91	6.67	23.27	10.65	29.80
16	AUG803	9HLHCVC	21	111	272.7	276.5	285.0					
16	AUG803	10FLD SM	21		7.0	12.0	14.3					
16	AUG803	11LN SM	21	111	7.0	12.0	14.3					
16	AUG803	12LN SM	21	112	7.0	12.0	14.3					
16	AUG803	13										
16	AUG803	14 PRT5	21	111	31.2		0.152	0.942				
18	AUG804	113.3VV	21	113	-9.70	-2.05	-5.63	-7.96	-6.90	-9.12	-10.22	-10.81
18	AUG804	21.6HH	21	113	-14.53	-21.57	-21.74	-25.04	-22.17	-29.25	-31.62	-33.53
18	AUG804	31.6HV	21	113	-16.02	-25.91	-29.32	-33.08	-32.78	-35.68	-37.05	-40.75
18	AUG804	4.4HH	21	113	-6.88	-13.48	-19.50	-23.53	-27.81	-35.00	-35.85	-38.97
18	AUG804	5.4HV	21	113	-15.41	-20.69	-24.58	-36.48	-41.46	-50.89	-52.40	-53.63
18	AUG804	64.75HH	21	113	11.33	5.06	1.71	0.85	-1.12	-4.43	-5.35	-6.06
18	AUG804	74.75HV	21	113	9.18	-4.72	-10.87	-11.81	-14.36	-14.08	-13.85	-13.09
18	AUG804	8NS DS	21		2.58	4.21	4.19	9.15	7.29	26.74	12.25	41.80
18	AUG804	9HLHCVC	21	111	297.3	282.7	292.5					
18	AUG804	10FLD SM	21		1.9	8.0	11.4					
18	AUG804	11LN SM	21	111	2.0	8.1	11.5					
18	AUG804	12LN SM	21	113	2.0	8.1	11.5					
18	AUG804	13										
18	AUG804	14 PRT5	21	111	40.3		0.029	0.933				
14	AUG801	113.3VV	22	111	-2.05	-3.72	-5.88	-8.45	-6.72	-9.63	-9.21	-8.70
14	AUG801	21.6HH	22	111	-14.52	-17.42	-20.45	-23.72	-24.49	-26.54	-31.48	-31.80
14	AUG801	31.6HV	22	111	-13.65	-22.25	-28.22	-31.51	-33.33	-35.42	-37.56	-38.84
14	AUG801	4.4HH	22	111	-11.76	-17.49	-22.05	-25.24	-28.01	-34.29	-35.78	-38.13
14	AUG801	5.4HV	22	111	-19.07	-27.29	-35.42	-42.62	-45.50	-53.01	-54.21	-56.50
14	AUG801	64.75HH	22	111	7.94	1.98	-0.47	-1.63	-3.48	-5.73	-5.61	-7.83
14	AUG801	74.75HV	22	111								
14	AUG801	8NS DS	22			2.34	2.47	6.22	4.01			22.20
14	AUG801	9HLHCVC	22	122	287.4	277.1	286.9					
14	AUG801	10FLD SM	22		0.7	2.1	8.5					
14	AUG801	11LN SM	22	122	0.7	2.1	8.5					
14	AUG801	12LN SM	22	111	0.8	2.1	8.6					
14	AUG801	13										
14	AUG801	14 PRT5	22	122	20.7		0.364	0.965				
16	AUG802	113.3VV	22	122	-0.19	-2.26	-5.28	-8.23	-7.66	-10.68	-11.50	-11.33
16	AUG802	21.6HH	22	122	-10.29	-17.42	-16.88	-22.06	-18.83	-26.51	-30.11	-31.42
16	AUG802	31.6HV	22	122	-13.80	-23.80	-25.40	-30.50	-30.80	-34.80	-37.40	-37.30
16	AUG802	4.4HH	22	122	-8.78	-14.37	-18.50	-24.52	-27.61	-35.41	-37.15	-37.69
16	AUG802	5.4HV	22	122	-13.82	-20.41	-28.15	-35.79	-41.88	-50.55	-52.61	-54.20
16	AUG802	64.75HH	22	122	10.52	4.48	0.70	-0.38	-3.55	-7.70	-5.95	-9.54
16	AUG802	74.75HV	22	122	8.66	-4.42	-8.05	-9.55	-12.64	-10.87	-11.38	-11.70

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16	AUG802	8NS	DS	22		2.11	3.54	3.60	8.33	6.85	24.10	10.58	22.60
16	AUG802	9HLHCVC		22	121	267.11	268.74	270.00					
16	AUG802	10FLD	SM	22		6.9	12.3	15.0					
16	AUG802	11LN	SM	22	121	6.9	12.3	15.0					
16	AUG802	12LN	SM	22	122	6.8	12.3	14.7					
16	AUG802	13	?	22									
16	AUG802	14	PRT5	22	121	21.3		0.222	0.947				
16	AUG803	113.3VV		22	122	-0.12	-2.25	-3.34	-8.17	-7.52	-10.81	-11.80	-11.18
16	AUG803	21.6HH		22	122	-11.69	-17.33	-18.14	-22.25	-18.47	-26.51	-29.95	-31.72
16	AUG803	31.6HV		22	122	-13.95	-24.43	-27.50	-31.36	-30.99	-33.89	-35.07	-37.65
16	AUG803	4.4HH		22	122	-8.74	-13.45	-13.25	-24.21	-27.23	-35.09	-34.46	-37.45
16	AUG803	5.4HV		22	122	-13.75	-20.62	-20.28	-35.71	-41.72	-51.29	-52.86	-54.80
16	AUG803	64.75HH		22	122	12.03	4.56	1.53	0.35	-2.36	-6.03	-5.47	-6.49
16	AUG803	74.75HV		22	122	10.51	-2.98	-7.51	-9.08	-11.66	-10.57	-10.94	-11.36
16	AUG803	8NS	DS	22		2.20	3.73	3.75	8.44	7.21	25.02	11.24	30.80
16	AUG803	9HLHCVC		22	121	272.9	278.5	288.7					
16	AUG803	10FLD	SM	22		6.9	12.3	15.0					
16	AUG803	11LN	SM	22	121	6.9	12.3	15.0					
16	AUG803	12LN	SM	22	122	6.8	12.3	14.7					
16	AUG803	13	?	22									
16	AUG803	14	PRT5	22	121	32.2		0.131	0.940				
16	AUG804	113.3VV		22	122	-1.48	-0.27	-5.85	-9.35	-8.93	-11.61	-11.73	-11.12
16	AUG804	21.6HH		22	122	-15.12	-22.53	-22.64	-24.65	-22.92	-29.55	-31.47	-32.74
16	AUG804	31.6HV		22	122	-15.53	-24.90	-30.47	-33.73	-33.70	-36.91	-39.39	-41.65
16	AUG804	4.4HH		22	122	-11.84	-16.56	-21.10	-23.73	-26.75	-33.85	-35.73	-37.40
16	AUG804	5.4HV		22	122	-15.76	-22.70	-30.45	-35.74	-41.11	-49.94	-52.71	-53.41
16	AUG804	64.75HH		22	122	12.34	5.59	2.54	-0.04	-1.70	-5.03	-5.49	-8.05
16	AUG804	74.75HV		22	122	4.35	-9.61	-14.52	-16.48	-17.87	-17.86	-17.72	-18.41
16	AUG804	8NS	DS	22		2.35	3.87	3.84	8.35	6.82	24.78	11.10	40.60
16	AUG804	9HLHCVC		22	121	295.5	284.0	293.0					
16	AUG804	10FLD	SM	22		1.9	8.6	12.1					
16	AUG804	11LN	SM	22	121	1.8	9.2	12.8					
16	AUG804	12LN	SM	22	122	1.9	8.6	12.1					
16	AUG804	13	?	22									
16	AUG804	14	PRT5	22	121	39.4		0.015	0.933				
16	AUG801	113.3VV		38	120								
16	AUG801	21.6HH		38	120								
16	AUG801	31.6HV		38	120								
16	AUG801	4.4HH		38	120								
16	AUG801	5.4HV		38	120								
16	AUG801	64.75HH		38	120								
16	AUG801	74.75HV		38	121	-0.02	-13.36	-19.07	-21.31	-23.28	-23.56	-23.08	-21.81
16	AUG801	8NS	DS	38	120								
16	AUG801	9HLHCVC		38	120								
16	AUG801	10FLD	SM	38		3.6	5.3	13.1	11.8	14.3	19.2		
16	AUG801	11LN	SM	38	121	3.6	5.3	13.1	11.8	14.3	19.2		
16	AUG801	12LN	SM	38	120								
16	AUG801	13	?	38									
16	AUG801	14	PRT5	38	121	22.2							
16	AUG802	113.3VV		38	110								
16	AUG802	21.6HH		38	110								
16	AUG802	31.6HV		38	112	-17.03	-21.94	-26.31	-30.34	-31.91	-36.92	-37.96	-38.12
16	AUG802	4.4HH		38	110								
16	AUG802	5.4HV		38	112	-3.05	-18.30	-25.03	-32.63	-37.48	-47.08	-45.39	-50.01
16	AUG802	64.75HH		38	112	9.29	7.69	3.24	0.24	-3.14	-8.61	-7.49	-8.32
16	AUG802	74.75HV		38	112	19.91	-1.17	-8.55	-11.52	-11.98	-11.52	-12.65	-12.15
16	AUG802	8NS	DS	38		2.11	3.49	3.39	8.05	6.42	22.70	9.66	21.20
16	AUG802	9HLHCVC		38	110								
16	AUG802	10FLD	SM	38		9.3	15.1	12.3	16.6	16.6	19.6		
16	AUG802	11LN	SM	38	110								

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16	AUG80212LN SM	3B	112	9.2	15.0	17.1	15.8	14.8	15.7		
16	AUG80213	3B									
16	AUG80214 PRTS	3B	112	21.2		0.293	0.952				
16	AUG803 113.3VV	3B	113	2.99	1.25	-3.10	-0.45	-3.72	-11.03	-11.52	-12.54
16	AUG803 21.6HH	3B	112	-5.14	-11.49	-13.14	-20.21	-20.53	-27.30	-28.25	-32.68
16	AUG803 31.6HV	3B	112	-14.69	-23.34	-27.83	-30.97	-31.98	-35.21	-40.12	-40.75
16	AUG803 4.4HH	3B	110	.	.	.	.	.	.	.	.
16	AUG803 5.4HV	3B	110	.	.	.	.	.	.	.	.
16	AUG803 64.75HH	3B	112	12.70	7.61	4.32	1.94	-1.73	-6.10	-7.46	-9.61
16	AUG803 74.75HV	3B	112	9.59	-3.34	-7.36	-9.70	-12.05	-11.32	-10.72	-11.15
16	AUG803 8NS BS	3B		2.35	3.58	3.71	8.45	6.54	24.45	10.66	22.10
16	AUG803 9HLHCVC	3B	110	.	.	.	.	.	.	.	.
16	AUG80310FLD SM	3B		9.2	15.0	17.1	15.8	14.8	15.7		
16	AUG80311LN SM	3B	110	.	.	.	.	.	.	.	.
16	AUG80312LN SM	3B	112	9.2	15.0	17.1	15.8	14.8	15.7		
16	AUG80313	3B									
16	AUG80314 PRTS	3B	112	22.1		0.104	0.944				
18	AUG804 113.3VV	3B	113	0.19	-0.08	-4.10	-7.66	-7.14	-10.29	-11.93	-11.55
18	AUG804 2.6HH	3B	110	.	.	.	.	.	.	.	.
18	AUG804 31.6HV	3B	113	-15.35	-25.85	-28.98	-35.02	-34.72	-39.46	-42.19	-42.22
18	AUG804 4.4HH	3B	110	.	.	.	.	.	.	.	.
18	AUG804 5.4HV	3B	110	.	.	.	.	.	.	.	.
18	AUG804 64.75HH	3B	113	12.20	7.67	4.53	3.22	-0.60	-6.41	-6.25	-7.99
18	AUG804 74.75HV	3B	113	7.20	-4.98	-9.72	-12.18	-13.90	-12.41	-12.20	-12.12
18	AUG804 8NS BS	3B		2.93	4.72	4.48	10.06	7.91	22.49	12.58	40.90
18	AUG804 9HLHCVC	3B	110	.	.	.	.	.	.	.	.
18	AUG80410FLD SM	3B		2.3	10.8	15.0	12.9	13.8	18.7		
18	AUG80411LN SM	3B	110	.	.	.	.	.	.	.	.
18	AUG80412LN SM	3B	113	2.3	10.8	15.0	12.9	13.8	18.7		
18	AUG80413	3B									
18	AUG80414 PRTS	3B	113	40.9		0.153	0.540				
14	AUG801 113.3VV	3W	120	.	.	.	.	.	.	.	.
14	AUG801 21.6HH	3W	120	.	.	.	.	.	.	.	.
14	AUG801 31.6HV	3W	120	.	.	.	.	.	.	.	.
14	AUG801 4.4HH	3W	120	.	.	.	.	.	.	.	.
14	AUG801 5.4HV	3W	120	.	.	.	.	.	.	.	.
14	AUG801 64.75HH	3W	120	.	.	.	.	.	.	.	.
14	AUG801 74.75HV	3W	121	2.01	-11.60	-15.49	-16.53	-18.90	-17.54	-17.17	-17.56
14	AUG801 8NS VS	3W	120	.	.	.	.	.	.	.	.
14	AUG801 9HLHCVC	3W	120	.	.	.	.	.	.	.	.
14	AUG80110FLD SM	3W		4.0	5.5	14.3	12.2	17.1	20.5		
14	AUG80111LN SM	3W		4.0	5.5	14.3	12.2	17.1	20.5		
14	AUG80112LN SM	3W	120	.	.	.	.	.	.	.	.
14	AUG80113	3W									
14	AUG80114 PRTS	3W	121	22.0		.	.	.	.	.	.
16	AUG802 113.3VV	3W	110	.	.	.	.	.	.	.	.
16	AUG802 21.6HH	3W	110	.	.	.	.	.	.	.	.
16	AUG802 31.6HV	3W	112	-13.70	-22.86	-25.20	-30.13	-29.61	-32.07	-34.58	-36.97
16	AUG802 4.4HH	3W	110	.	.	.	.	.	.	.	.
16	AUG802 5.4HV	3W	112	-4.51	-19.13	-22.83	-30.53	-37.32	-45.98	-42.55	-50.47
16	AUG802 64.75HH	3W	112	11.97	8.40	4.11	2.69	-1.44	-4.79	-4.46	-5.28
16	AUG802 74.75HV	3W	112	16.77	-0.78	-3.93	-5.81	-5.82	-6.28	-5.17	-4.37
16	AUG802 8NS VS	3W		1.56	2.74	2.19	9.89	6.78	16.58	6.40	19.90
16	AUG802 9HLHCVC	3W	110	.	.	.	.	.	.	.	.
16	AUG80210FLD SM	3W		13.2	17.2	19.8	18.4	19.0	20.5		
16	AUG80211LN SM	3W	110	.	.	.	.	.	.	.	.
16	AUG80212LN SM	3W		13.2	17.2	19.8	18.4	18.0	20.5		
16	AUG80213	3W									
16	AUG80214 PRTS	3W	112	19.9		2.153	1.066				
16	AUG803 113.3VV	3W	112	2.28	1.27	-2.15	-6.26	-6.19	-10.09	-9.90	-10.44

16	AUG803	21.6HH	3W	112	-5.20	-14.28	-13.55	-20.85	-20.07	-24.08	-26.48	-27.72
16	AUG803	31.6HV	3W	112	-14.18	-23.93	-26.53	-29.14	-29.60	-31.30	-34.39	-34.98
16	AUG803	4.4HH	3W	110	.	.	.	.	.	.	.	.
16	AUG803	5.4HV	3W	110	.	.	.	.	.	.	.	.
16	AUG803	64.75HH	3W	112	12.70	7.94	4.75	1.85	-0.86	-4.77	-4.65	-5.23
16	AUG803	74.75HV	3W	112	9.99	0.95	-0.52	-2.45	-4.34	-2.61	-1.94	-2.29
16	AUG803	8NS VS	3W		1.83	3.14	2.56	10.16	7.38	19.14	7.95	26.50
16	AUG803	9HLHCVC	3W	110	.	.	.	.	.	.	.	.
16	AUG803	10FLD SM	3W		2.9	11.9	14.2	13.4	12.1	15.8	.	.
16	AUG803	11LN SM	3W	110	.	.	.	.	.	.	.	.
16	AUG803	12LN SM	3W	112	8.9	11.9	14.2	13.4	12.1	15.8	.	.
16	AUG803	13	3W		.	.	.	.	.	.	.	.
16	AUG803	14 PRYS	3W	112	26.5	.	1.931	1.047	.	.	.	.
18	AUG804	113.3VV	3W	113	0.31	-0.92	-4.48	-7.51	-6.72	-9.38	-8.74	-8.52
18	AUG804	21.6HH	3W	110	.	.	.	.	.	.	.	.
18	AUG804	31.6HV	3W	113	-15.41	-25.12	-29.17	-31.74	-31.88	-32.15	-35.66	-35.83
18	AUG804	4.4HH	3W	110	.	.	.	.	.	.	.	.
18	AUG804	5.4HV	3W	110	.	.	.	.	.	.	.	.
18	AUG804	64.75HH	3W	113	12.46	7.35	4.05	1.42	-0.80	-4.11	-3.44	-3.37
18	AUG804	74.75HV	3W	113	7.94	-2.22	-4.95	-5.13	-6.88	-6.11	-5.18	-6.27
18	AUG804	8NS VS	3W		2.02	3.44	2.77	12.26	8.28	20.95	8.44	35.90
18	AUG804	9HLHCVC	3W	110	.	.	.	.	.	.	.	.
18	AUG804	10FLD SM	3W		4.7	14.2	18.1	15.1	16.3	17.5	.	.
18	AUG804	11LN SM	3W	110	.	.	.	.	.	.	.	.
18	AUG804	12LN SM	3W	113	4.7	14.2	18.1	15.1	16.3	17.5	.	.
18	AUG804	13	3W		.	.	.	.	.	.	.	.
18	AUG804	14 PRYS	3W	112	35.9	.	2.623	1.064	.	.	.	.
14	AUG801	113.3VV	4B	110	.	.	.	.	.	.	.	.
14	AUG801	21.6HH	4B	110	.	.	.	.	.	.	.	.
14	AUG801	31.6HV	4B	111	-13.26	-21.27	-27.31	-31.97	-35.08	-38.55	-41.91	-42.12
14	AUG801	4.4HH	4B	110	.	.	.	.	.	.	.	.
14	AUG801	5.4HV	4B	110	.	.	.	.	.	.	.	.
14	AUG801	64.75HH	4B	110	.	.	.	.	.	.	.	.
14	AUG801	74.75HV	4B	110	.	.	.	.	.	.	.	.
14	AUG801	8NS BS	4B	110	.	.	.	.	.	.	.	.
14	AUG801	9HLHCVC	4B	110	.	.	.	.	.	.	.	.
14	AUG801	10FLD SM	4B		1.9	3.8	12.5	10.7	14.3	17.4	.	.
14	AUG801	11LN SM	4B	111	1.9	3.8	12.5	10.7	14.3	17.4	.	.
14	AUG801	12LN SM	4B	110	.	.	.	.	.	.	.	.
14	AUG801	13	4B		.	.	.	.	.	.	.	.
14	AUG801	14 PRYS	4B	111	22.0	.	.	.	.	.	.	.
16	AUG802	113.3VV	4B	120	.	.	.	.	.	.	.	.
16	AUG802	21.6HH	4B	120	.	.	.	.	.	.	.	.
16	AUG802	31.6HV	4B	122	-12.21	-23.27	-26.82	-32.16	-32.84	-36.77	-39.64	-38.51
16	AUG802	4.4HH	4B	120	.	.	.	.	.	.	.	.
16	AUG802	5.4HV	4B	120	.	.	.	.	.	.	.	.
16	AUG802	64.75HH	4B	122	13.03	7.49	4.32	0.91	-3.14	-8.17	-8.63	-11.26
16	AUG802	74.75HV	4B	122	13.95	-4.28	-8.57	-9.98	-13.01	-11.67	-10.45	-11.06
16	AUG802	8NS BS	4B		2.39	3.93	3.77	8.85	7.09	24.98	10.70	22.10
16	AUG802	9HLHCVC	4B	120	.	.	.	.	.	.	.	.
16	AUG802	10FLD SM	4B		9.3	13.4	16.5	14.8	15.8	20.1	.	.
16	AUG802	11LN SM	4B	120	.	.	.	.	.	.	.	.
16	AUG802	12LN SM	4B	122	9.3	13.4	16.5	14.8	15.8	20.1	.	.
16	AUG802	13	4B		.	.	.	.	.	.	.	.
16	AUG802	14 PRYS	4B	122	22.1	.	0.289	0.950	.	.	.	.
16	AUG803	113.3VV	4B	120	.	.	.	.	.	.	.	.
16	AUG803	21.6HH	4B	120	.	.	.	.	.	.	.	.
16	AUG803	31.6HV	4B	122	-15.01	-23.38	-27.12	-30.87	-31.59	-36.78	-38.72	-39.48
16	AUG803	4.4HH	4B	120	.	.	.	.	.	.	.	.
16	AUG803	5.4HV	4B	120	.	.	.	.	.	.	.	.

16	AUG800	64.75HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	74.75HV	48	122	10.91	-8.70	-8.21	-10.00	-12.30	-11.59	-11.55	-12.53	.
16	AUG803	8NS	BS	48	20.05	4.10	8.03	9.13	7.48	26.17	11.57	30.20	.
16	AUG803	9HLHCVC	48	120	.	.	.	.	.	.	.	.	.
16	AUG8031	10FLD SM	48	120	9.3	13.4	13.5	14.8	15.8	20.1	.	.	.
16	AUG8031	11LN SM	48	120	.	.	.	.	.	.	.	.	.
16	AUG8031	12LN SM	48	122	9.3	13.4	16.5	14.8	15.8	20.1	.	.	.
16	AUG80313	PRTS	48	122	30.3	.	0.171	0.982	.	.	.	.	.
16	AUG804	113.3VV	48	120	.	.	.	.	.	.	.	.	.
16	AUG804	21.6HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG804	31.6HV	48	122	-17.37	-24.75	-28.75	-33.77	-33.60	-37.98	-39.96	-41.85	.
16	AUG804	4.4HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG804	5.4HV	48	120	.	.	.	.	.	.	.	.	.
16	AUG804	64.75HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG804	74.75HV	48	122	6.57	-10.19	-15.51	-15.89	-18.80	-12.35	-15.89	-13.07	.
16	AUG804	8NS	BS	48	2.71	4.36	4.16	9.26	7.38	26.55	11.61	40.20	.
16	AUG804	9HLHCVC	48	120	.	.	.	.	.	.	.	.	.
16	AUG8041	10FLD SM	48	120	4.6	11.4	16.6	12.6	15.3	19.0	.	.	.
16	AUG8041	11LN SM	48	120	.	.	.	.	.	.	.	.	.
16	AUG8041	12LN SM	48	122	4.6	11.4	16.6	12.5	15.3	19.0	.	.	.
16	AUG80413	PRTS	48	122	40.2	.	0.110	0.938	.	.	.	.	.
16	AUG801	113.3VV	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	21.6HH	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	31.6HV	48	111	-13.06	-22.23	-26.74	-31.58	-33.84	-35.58	-38.76	-39.46	.
16	AUG801	4.4HH	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	5.4HV	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	64.75HH	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	74.75HV	48	110	.	.	.	.	.	.	.	.	.
16	AUG801	8NS	VS	48	110	.	.	.	.	.	.	.	.
16	AUG801	9HLHCVC	48	110	.	.	.	.	.	.	.	.	.
16	AUG8011	10FLD SM	48	111	1.4	2.4	10.4	9.1	12.6	17.3	.	.	.
16	AUG8011	11LN SM	48	111	1.4	2.4	10.4	9.1	12.6	17.3	.	.	.
16	AUG8011	12LN SM	48	110	.	.	.	.	.	.	.	.	.
16	AUG80113	PRTS	48	111	21.4	.	.	.	.	.	.	.	.
16	AUG802	113.3VV	48	120	.	.	.	.	.	.	.	.	.
16	AUG802	21.6HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG802	31.6HV	48	122	-13.60	-24.35	-26.94	-29.54	-30.80	-34.92	-37.89	-36.26	.
16	AUG802	4.4HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG802	5.4HV	48	120	.	.	.	.	.	.	.	.	.
16	AUG802	64.75HH	48	122	11.97	6.90	3.20	0.33	-2.26	-5.80	-6.33	-7.71	.
16	AUG802	74.75HV	48	122	8.87	-0.20	-3.50	-4.49	-7.72	-6.17	-6.82	-6.81	.
16	AUG802	8NS	VS	48	2.01	3.31	2.87	9.44	7.22	21.65	9.16	21.50	.
16	AUG802	9HLHCVC	48	120	.	.	.	.	.	.	.	.	.
16	AUG8021	10FLD SM	48	120	9.7	14.0	15.3	14.6	13.8	17.7	.	.	.
16	AUG8021	11LN SM	48	120	.	.	.	.	.	.	.	.	.
16	AUG8021	12LN SM	48	122	9.7	14.0	15.3	14.6	13.8	17.7	.	.	.
16	AUG80213	PRTS	48	122	21.5	.	1.355	1.017	.	.	.	.	.
16	AUG803	113.3VV	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	21.6HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	31.6HV	48	122	-14.26	-24.09	-27.42	-30.03	-30.74	-32.54	-36.47	-36.47	.
16	AUG803	4.4HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	5.4HV	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	64.75HH	48	120	.	.	.	.	.	.	.	.	.
16	AUG803	74.75HV	48	122	11.27	0.38	-4.30	-5.64	-6.32	-6.53	-5.50	-5.27	.
16	AUG803	8NS	VS	48	2.17	3.68	3.24	9.56	7.65	23.53	10.12	29.00	.
16	AUG803	9HLHCVC	48	120	.	.	.	.	.	.	.	.	.

16	AUG80310FLD	SM	4W	120	9.7	14.0	15.3	14.6	13.8	17.7		
16	AUG80311LN	SM	4W	120								
16	AUG80312LN	SM	4W	122	9.7	14.0	15.3	14.6	13.8	17.7		
16	AUG80313	E	4W									
16	AUG80314	PRTS	4W	122	29.0		1.067	0.997				
16	AUG804	113.3VV	4W	120								
18	AUG804	21.6HH	4W	120								
18	AUG804	31.6HV	4W	122	-16.99	-24.92	-28.52	-32.50	-31.40	-1.69		
18	AUG804	4.4HH	4W	120								
18	AUG804	5.4HV	4W	120								
18	AUG804	64.75HH	4W	120								
18	AUG804	74.75HV	4W	122	7.59	-6.86	-9.64	-8.93	-10.49	-6.62		
18	AUG804	8NS	VS	4W	2.15	3.54	3.04	10.02	7.48	22.45	10.42	33.30
18	AUG804	9HLHCVC	4W	120								
18	AUG80410FLD	SM	4W		3.5	11.1	13.4	11.4	12.4	15.3		
18	AUG80411LN	SM	4W	120								
18	AUG80412LN	SM	4W	122	5.5	11.1	13.4	11.4	12.4	15.3		
18	AUG80413	E	4W									
18	AUG80414	PRTS	4W	122	28.3		1.439	1.017				
14	AUG801	113.3VV	V2	111	-0.70	-4.20	-6.20	-6.60	-8.30	-10.50	-10.40	-10.40
14	AUG801	21.6HH	V2	111								
14	AUG801	31.6HV	V2	111	-15.90	-24.70	-27.60	-29.30	-29.00	-30.90	-33.50	-34.00
14	AUG801	4.4HH	V2	111	-12.00	-15.90	-21.20	-21.60	-23.10	-29.00	-32.20	-31.10
14	AUG801	5.4HV	V2	111	-23.60	-27.50	-32.00	-38.00	-41.10	-51.20	-52.00	-51.10
14	AUG801	64.75HH	V2	111	3.60	-4.20	-6.40	-6.50	-8.10	-9.70	-7.80	-10.20
14	AUG801	74.75HV	V2	111	0.90	-7.40	-11.60	-11.50	-15.30	-13.70	-11.30	-12.60
14	AUG801	8NS	L	V2	111	1.30	1.55	1.74	12.89	6.86		
14	AUG801	9HLHCVC	V2	111								
14	AUG80110FLD	SM	V2	111								
14	AUG80111LN	SM	V2	111								
14	AUG80112LN	SM	V2	111								
14	AUG80113	)	V2	111	1268.2	305.0						
14	AUG80114	PRTS	V2	111			4.276	1.151	3500.0			
15	AUG802	113.3VV	V2	112	-0.50	-2.30	-6.00	-7.50	-6.70	-8.70	-9.20	-8.70
15	AUG802	21.6HH	V2	112	-15.10	-17.50	-19.00	-20.60	-20.80	-22.50	-26.10	-25.40
15	AUG802	31.6HV	V2	112	-13.90	-23.10	-25.20	-26.50	-27.40	-29.20	-31.30	-31.00
15	AUG802	4.4HH	V2	112	-10.70	-15.30	-19.20	-22.70	-25.20	-29.80	-30.60	-30.40
15	AUG802	5.4HV	V2	112	-19.20	-22.80	-27.30	-30.70	-33.90	-43.90	-45.10	-45.80
15	AUG802	64.75HH	V2	112	7.90	1.60	-1.40	-1.90	-2.60	-5.30	-4.80	-6.40
15	AUG802	74.75HV	V2	112	9.50	2.30	-1.60	-1.70	-4.40	-2.80	-2.10	-3.70
15	AUG802	8NS	L	V2	112	0.99	1.87	1.16	11.89	7.34	12.38	4.92
15	AUG802	9HLHCVC	V2	112								
15	AUG80210FLD	SM	V2	112								
15	AUG80211LN	SM	V2	112								
15	AUG80212LN	SM	V2	112								
15	AUG80213	)	V2	112	1268.2	305.0						
15	AUG80214	PRTS	V2	112			3.936	1.140	3500.0			
15	AUG803	113.3VV	V2	112	-0.40	-1.60	-5.00	-7.10	-5.60	-8.10	-8.00	-8.70
15	AUG803	21.6HH	V2	112	-15.60	-19.40	-18.30	-21.80	-20.00	-23.40	-25.50	-27.30
15	AUG803	31.6HV	V2	112	-14.30	-24.00	-25.30	-27.80	-26.90	-28.00	-32.00	-30.00
15	AUG803	4.4HH	V2	112	-11.60	-16.30	-21.20	-23.80	-26.20	-31.60	-32.10	-31.30
15	AUG803	5.4HV	V2	112	-21.60	-25.50	-29.60	-34.30	-38.30	-46.10	-49.60	-49.40
15	AUG803	64.75HH	V2	112	11.40	2.70	-0.30	-1.00	-2.30	-3.80	-3.00	-4.30
15	AUG803	74.75HV	V2	112	10.60	2.60	-0.20	-0.80	-3.70	1.40	-0.80	-1.50
15	AUG803	8NS	L	V2	112	1.13	2.08	1.39	12.49	8.25	15.05	5.48
15	AUG803	9HLHCVC	V2	112								
15	AUG80310FLD	SM	V2	112								
15	AUG80311LN	SM	V2	112								
15	AUG80312LN	SM	V2	112								
15	AUG80313)	V2	112	1258.2	350.0						

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