NIMS GUIDE TO THE C10 ORBIT

Original: June 1997

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C10 Encounter starts 06/22/97, C10 Playback starts 06/29/97

Foreword to the Revised Edition

This document was originally published by the NIMS team as a preview to data acquisition for one orbit. It has has been revised and corrected after data receipt and systematic processing for inclusion on the CD-ROMs containing NIMS Experimental Data Records (EDRs) and Systematic Data Products (Cubes). It is also available on the NIMS website in both PostScript (PS) and Portable Document Format (PDF) form. Some material in the original document has been omitted, and a chapter added describing the data actually returned.

The aim of this guide is to provide detailed information on the various NIMS observations and calibrations. Also included in this document is background information on the orbit. A brief overview of the guide is given below. Please refer to the beginning of each chapter for a detailed list of contents.

Chapter 1 gives a brief introduction to the orbit. Chapter 2 gives an overview and summarizes the NIMS science objectives using tables, spreadsheets and timelines. Chapter 3 contains diagrams of various aspects of spacecraft geometry. Chapter 4 summarizes the NIMS observations in terms of a comprehensive sequence summary and a NIMS Observation Table (Obstab). Chapter 5 is a collection of the Detailed Observation Designs made up of OAPEL forms and POINTER plots. Chapter 6 contains plots of the NIMS wavelength edit tables used. Chapter 7 summarizes the NIMS data return from the orbit.

For more information, please refer to the Galileo Orbit Planning Guide (OPG) and the Galileo Orbit Activity Plan (OAP) for this orbit. Both of these documents are produced by the Galileo Project.

For more information on the NIMS instrument, please refer to the NIMS instrument paper: R.W. Carlson, P.R. Weissman, W.D. Smythe, J.C. Mahoney and the NIMS Science and Engineering Teams, "Near-infrared Mapping Spectrometer Experiment on Galileo", Space Science Reviews, Vol 60, pp 457-502, 1992.

Acknowledgements

The NIMS observations in this guide were designed by the NIMS Science Coordinators: Kevin Baines, John Hui, Rosaly Lopes-Gautier, Adriana Ocampo and Marcia Segura. Materials were also provided by Elias Barbinis, Paul Herrera, Bob Mehlman, Jim Shirley, Al Stevenson and Bill Smythe. Some figures and plots produced by various members of the Galileo Project were incorporated into this guide. Frank Leader provided some materials and edited the guide under the direction of Bob Mehlman and Bill Smythe.

Foreword

This document serves as a guide to the C10 Orbit for the NIMS Team. The aim of this guide is to provide detailed information on the various NIMS C10 observations and calibrations. Also included in this document is background information on the C10 orbit. This guide was produced before the start of the C10 orbit. After analysis of the NIMS C10 data is complete, it will be revised and corrected. A brief overview of the guide is given below. Please refer to the beginning of each chapter for a detailed list of contents.

Chapter 1 gives a brief introduction to the C10 orbit. Chapter 2 gives an overview of the C10 orbit and summarizes the NIMS science objectives for the C10 orbit using tables, spreadsheets and timelines. Chapter 3 contains diagrams of various aspects of spacecraft geometry for the C10 orbit. Chapter 4 summarizes the NIMS C10 observations in terms of a comprehensive sequence summary and a NIMS Observation Table (Obstab). Chapter 5 is a collection of the Detailed Observation Designs made up of OAPEL forms and POINTER plots. Chapter 6 contains plots of the NIMS wavelength edit tables used during the C10 orbit.

For more information on the C10 orbit, please refer to the Galileo Orbit Planning guide and the Galileo Orbit Activity Plan for the C10 Orbit. Both of these documents are produced by the Galileo Project.

For more information on the NIMS instrument, please refer to the NIMS instrument paper: R.W. Carlson, P.R. Weissman, W.D. Smythe, J.C. Mahoney and the NIMS Science and Engineering Teams, "Near-infrared Mapping Spectrometer Experiment on Galileo", Space Science Reviews, Vol 60, pp 457-502, 1992.

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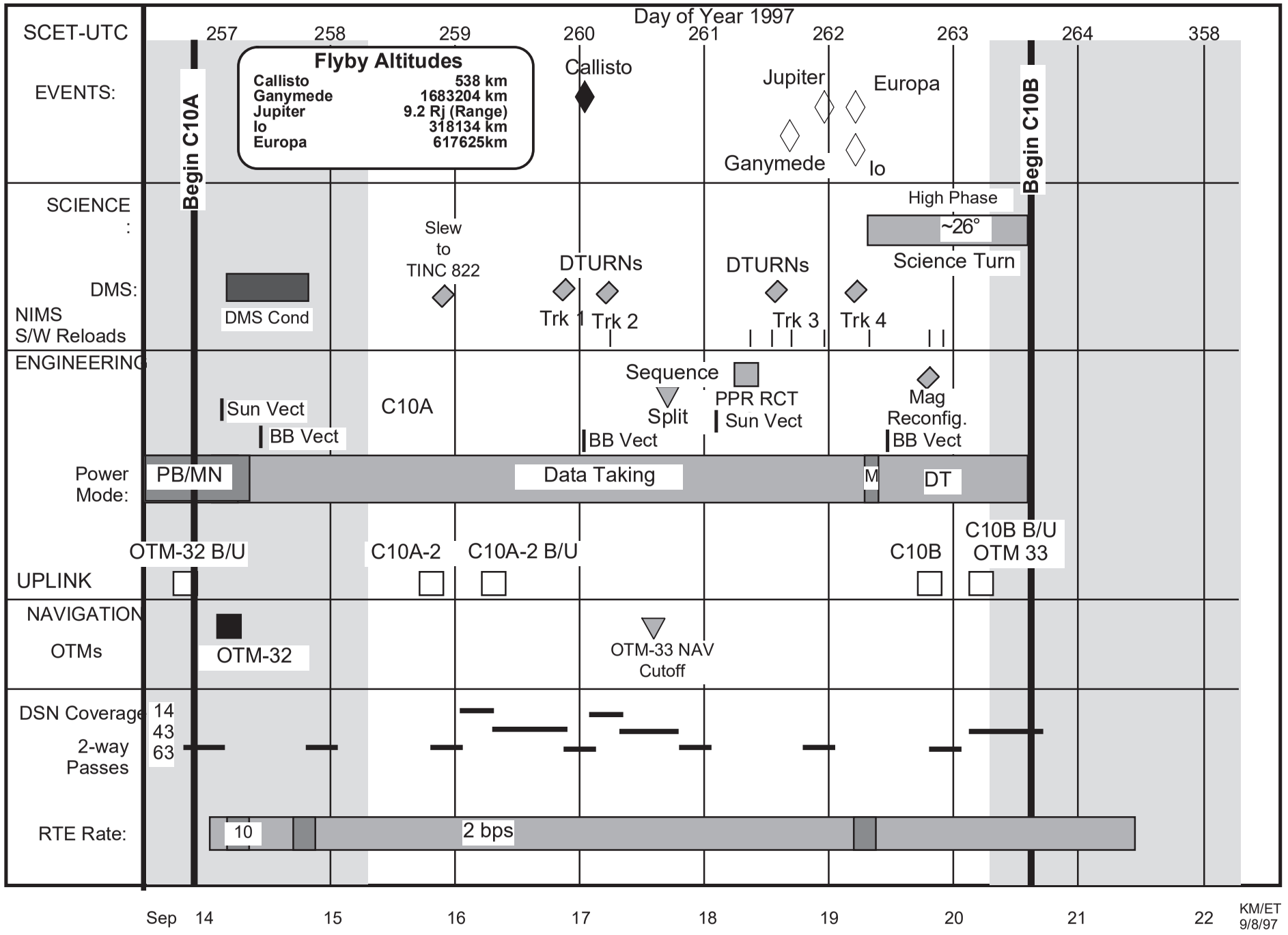
Introduction

This C10 orbit is the tenth of eleven orbits in Galileo's Tour of the Jovian system. This orbit has a targetted satellite flyby of Callisto. NIMS will make observations of Jupiter, Io, Europa, Ganymede and Callisto in this orbit. NIMS will also perform some calibrations in this orbit.

There are 9 autonomous reloads of the NIMS RAM code from CDS planned during the C10A encounter period with checksums of the NIMS RAM code before each reload. These reloads are in response to the on-going flight-anomalies where the NIMS RAM code takes some bit hits and halts the instrument during when the spacecraft is close to Jupiter. NIMS NIMS will also return realtime data on a daily basis during the C10A encounter period as a means of monitoring the instrument's status. NIMS personnel will also monitior the NIMS engineering telemetry data on a regular schedule to track the instrument's status.

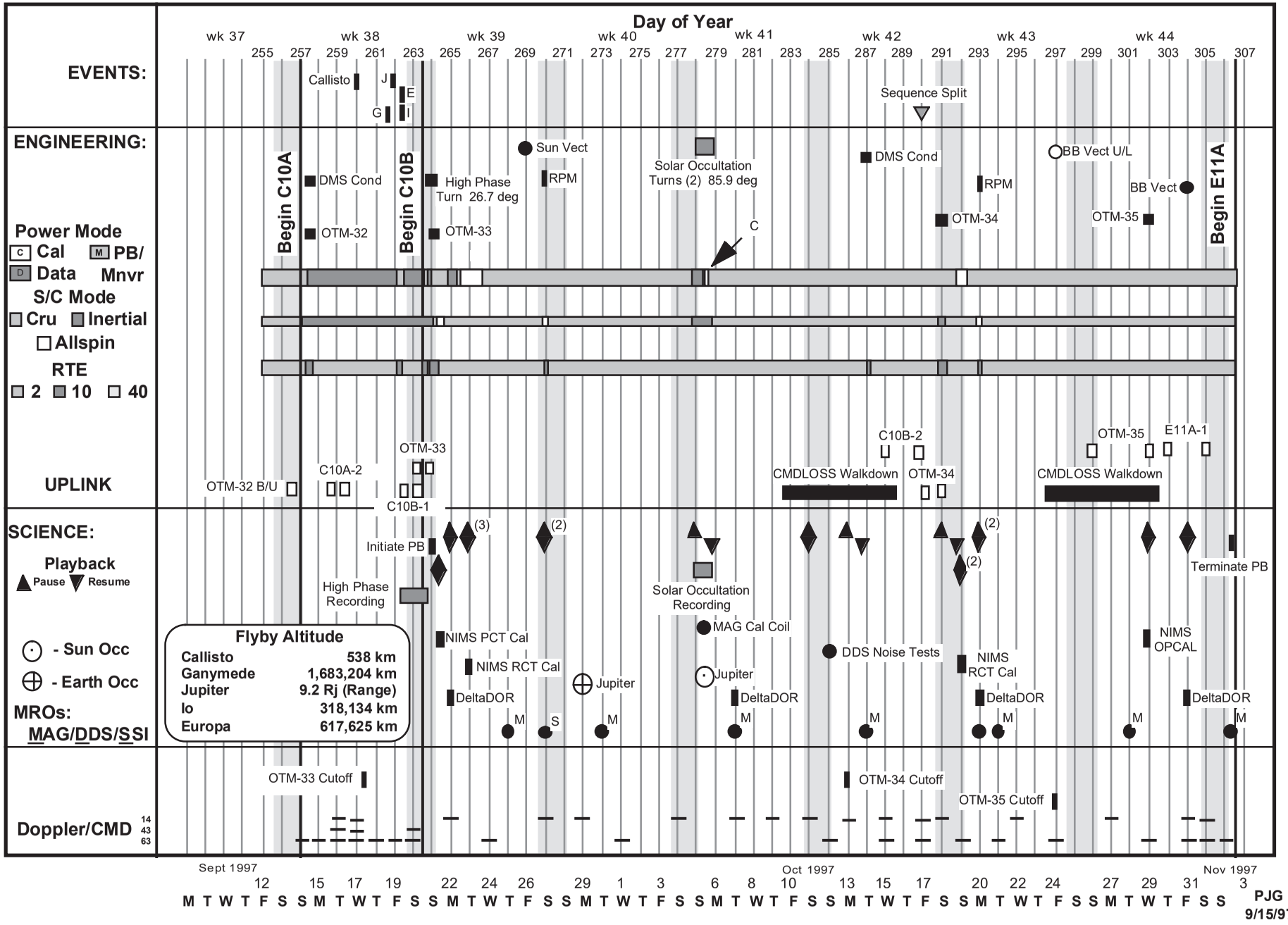
The C10 orbit is divided into 2 sequence loads: one Encounter Load (C10A) and one Orbital Cruise Load (C10B). The C10A load begins on D257 of 1997 (09/14/97) and ends on D263 of 1997 (09/20/97) This load contains the flybys of Jupiter, Europa, Io, Ganymede and Callisto. The Cruise Load C10B runs from D263 to D306. Playback of the recorded data takes place during the Cruise phase, C10B. A high-level overview timeline of the C10 orbit can be found on the following two pages.

C10A Sequence Overview (Version C10A)



1-03

C10 Overview



Introduction

The following table lists the major events during C10, including NIMS Real Time observations, in UTC.

09/14/97	97-257/00:00:00	C10 Encounter Start
09/16/97	97-259/18:16:19	NIMS R/T Callisto
09/16/97	97-259/20:40:55	NIMS R/T Callisto
09/17/97	97-260/00:19:22	Callisto Closest Approach
09/17/97	97-260/05:56:04	NIMS RAM Reload 01
09/17/97	97-260/06:22:18	NIMS R/T Europa
09/18/97	97-261/09:08:00	NIMS RAM Reload 02
09/18/97	97-261/12:35:13	NIMS R/T Health 01
09/18/97	97-261/13:29:53	NIMS RAM Reload 03
09/18/97	97-261/15:22:03	NIMS R/T Hotspot
09/18/97	97-261/16:59:11	NIMS RAM Reload 04
09/18/97	97-261/17:56:49	Ganymede Closest Approach
09/18/97	97-261/18:17:59	NIMS R/T Hotspot
09/18/97	97-261/20:59:46	NIMS R/T Health 02
09/18/97	97-261/23:10:15	Jupiter Closest Approach
09/18/97	97-261/23:45:39	NIMS RAM Reload 05
09/19/97	97-262/00:41:12	NIMS R/T Hotspot
09/19/97	97-262/04:43:55	Io Closest Approach
09/19/97	97-262/05:20:19	Europa Closest Approach
09/19/97	97-262/05:30:22	NIMS R/T Health 03
09/19/97	97-262/07:43:54	NIMS RAM Reload 06
09/19/97	97-262/13:59:58	NIMS R/T Health 04
09/19/97	97-262/19:09:26	NIMS RAM Reload 07
09/19/97	97-262/21:43:07	NIMS RAM Reload 08
09/19/97	97-262/22:29:34	NIMS R/T Health 05
09/20/97	97-263/00:10:45	NIMS RAM Reload 09
09/20/97	97-263/05:59:31	NIMS R/T Health 06
09/20/97	97-263/15:30:00	Start C10 Playback
09/21/97	97-264/20:24:51	NIMS R/T PCT CAL
09/23/97	97-266/15:27:14	NIMS R/T RCT CAL
10/19/97	97-292/22:25:14	NIMS R/T RCT CAL
10/29/97	97-302/12:05:39	NIMS R/T OPCAL
11/02/97	97-306/16:00:00	END C10 Playback

Chapter 2 - Orbit Overview

Contents

Introduction to Chapter 2

This chapter gives an overview of the NIMS observations in the C10 Orbit.

The text on pages 3 and 4 summarizes the NIMS science objectives for C10. The NIMS calibrations are discussed on page 4. Early data return and C10 playback are also discussed on page 4.

The table on pages 5 through 7 is a time-ordered listing of the NIMS Oapels for C10.

The plot on page 8 shows the geometry of the NIMS C10 observations using a north trajectory pole view projection. The plots on pages 9 and 10 show the geometry of the NIMS Satellite and Jupiter observations. The plot on page 11 shows the geometry of the NIMS C10 calibrations. The plot on page 12 shows the geometry of the NIMS RAM Reloads and MROs.

The spreadsheet on pages 13 through 15 summarizes the various inputs for the NIMS C10 Observations. The spreadsheet on pages 16 through 19 summarizes the resource usage for the NIMS C10 observations.

The table on pages 20 through 23 lists various NIMS C10 observing parameters: target latitude/longitude, range, cone angle, incidence angle (light), emission angle (view) and phase angle.

The tapemap on pages 24 through 30 shows the placement of the C10 observations on the spacecraft's tape recorder. The NIMS observation names are written with a larger type.

The timeline on pages 31 through 37 shows the preliminary C10 playback schedule.

The NIMS C10 mosaic designs are summarized on pages 38 through 45 in time-order.

NIMS C10 SCIENCE OVERVIEW

Jupiter Science

NIMS atmospheric investigations concentrate on the Jovian poles during C10. Aurora and polar haze are the main thrusts, with the North polar auroral zone (170 degrees West longitude, 65 degrees North latitude) constituting the Feature Campaign (FEAxxx, where xxx is the approximate phase angle.) Auroral emissions within this feature are mapped three times on both day (NPAURD) and night sides (NPAURN). At the South pole (0 degrees West longitude, 65 degrees South latitude) aurora emissions are also mapped three times on both day (SPAURD) and night sides (SPAURN). In addition, the entire North and South poles are mosaiced from about 13 Jupiter radii distance (NPOLEM and SPOLEM).

Specific phase angles mapped for the North polar feature track include 21, 41, 74, 99, 114 and 124 degrees. Seventeen observations are acquired, including two expanded feature track observations (FNP041), a darkside 3 and 5 micron observations (FEA5UM) and one sub-spectral map (FEASUB).

The hotspot-laden North Equatorial Belt is imaged four times (THRCYL), covering half of the NEB circumference.

There are also three realtime observations of Jupiter's hotspots (RTHOTS) centered at 6.5 degrees North latitude.

Io Science

The NIMS Io observations include five CHEMIS, three THRMAL, two VOLCAN and two high spatial and spectral resolution observations which include one dayside observation (HRSPEC) and one nightside observation (NSPEC). The CHEMIS observations are designed to observe the dayside of Io to look for chemical changes and variations in SO2 distribution. The THRMAL observations will look at the nightside of Io to detect and map hotspots, thermal anomalies and outbursts on the surface. The HRSPEC and NSPEC observations are hight resolution observations that will observe the day and night side, respectively, of Io. Finally, the two VOLCAN observations will monitor variations in volcanic activity of selected regions (i.e. Loki, Pelee and Kanekehili) using selected wavelengths.

Europa Science

One real-time observation of Europa is planned (EUR15). This observation is designed to look at Europa at an orbital distance beyond 15 Jupiter radii where the heavy radiation environment is less. This will allow a better measurement of the low signals beyond about 2.5 microns.

Ganymede Science

No Ganymede obseravtions are planned for C10.

NIMS C10 SCIENCE OVERVIEW

Callisto Science

There are 10 NIMS observation of Callisto in C10. Two Callisto global observations (GLOBAL) will obtain spatial and spectral resolution that cover all lit longitudes and latitudes of the leading hemisphere for use in determining surface mineralogy and the distrubution of compositional units due to asteroidal and/or cometary impacts sometime in Callisto's past. ASGARD will observe Callisto's Asgard region to investigate and determine compositional units. PALIMP is designed to observe Valhalla's palimpsest region. Comparison studies will be conducted to determine compositional differences between this region and the surrounding surface. SMTHPL will be used to measure compositon of the smooth plain region to investigate the possibility of ancient volcanic flows and/or upwelling of subsurface material that might have formed the smooth plain region. VALHAL will observe Valhalla's ring structure to obtain the highest resolution data possible to analyze the surface composition at the ring scarp bases. CATENA will observe a region that contains a crater chain believed to have been caused by cometary impact ala SL9. Two realtime Callisto observations are also planned (CALLRT) centered on the equatorial region. BRTLMB is a UVS ride-along limb-scan of Callisto to search for any atmosphere.

Small Satellite Science

In C10 NIMS will observe Amalthea, Metis and Adrastea with single scans in Long Map.

Calibration

There are four NIMS calibration observations in C10: one PCT cal, two RCT cals and one OPCAL. The PCT cal (PCTRLT) calibrates NIMS in the visible bands. The RCT cals (RCTRLT) calibrate NIMS in the thermal bands. The OPCAL calibrates the NIMS grating.

Early Data Return

There are 16 realtime NIMS observations in C10: 3 Jupiter hotspot observations (RTHOTS), two Callisto observations (CALLRT), one Europa observation (EUR15), six instrument health checks (HEALTH), one PCT cal (PCTRLT), two RCT cals (RCTRLT) and one OPCAL.

C10 Playback

C10 playback is split into two passes through the tape. NIMS will not record during Cruise.

C10 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
10NNCHOPON01	97-259/17:19:46	97-259/17:24:49	000/00:05:03
10CNGLOBAL01-	97-259/17:33:55	97-259/18:08:18	000/00:34:22
10CNCALLRT02-	97-259/18:09:18	97-259/18:21:26	000/00:12:08
10CXMOVBLK01	97-259/18:29:32	97-259/18:34:35	000/00:05:03
10CNCALLRT01-	97-259/20:36:56	97-259/20:45:01	000/00:08:05
10CNASGARD01-	97-259/23:57:08	97-260/00:09:16	000/00:12:08
10CNBRTLMB01+	97-260/00:20:23	97-260/00:27:28	000/00:07:04
10CNPALIMP01-	97-260/00:27:28	97-260/00:34:32	000/00:07:04
10CNSMTHPL01-	97-260/00:35:33	97-260/00:49:42	000/00:14:09
10CNVALHAL01-	97-260/00:50:43	97-260/01:02:51	000/00:12:08
10CNCATENA01-	97-260/01:24:05	97-260/01:58:28	000/00:34:22
10CXMOVBLK02	97-260/05:26:45	97-260/05:31:48	000/00:05:03
10NNRELOAD01-	97-260/05:56:04	97-260/06:06:11	000/00:10:06
10ENEUR15_01-	97-260/06:17:18	97-260/06:40:33	000/00:23:15
10CNGLOBAL02-	97-260/06:42:35	97-260/07:13:56	000/00:31:20
10INCHEMIS01-	97-261/07:46:06	97-261/07:53:11	000/00:07:04
10INCHEMIS08-	97-261/07:54:11	97-261/08:00:02	000/00:05:50
10JNNPOLEM06-	97-261/08:21:29	97-261/08:39:41	000/00:18:12
10NNRELOAD02-	97-261/09:08:00	97-261/09:18:07	000/00:10:06
10JNSPOLEM08-	97-261/09:28:13	97-261/09:44:24	000/00:16:10
10JNNPOLEM01-	97-261/09:44:24	97-261/10:02:36	000/00:18:12
10JNSPOLEM01-	97-261/10:23:50	97-261/10:42:02	000/00:18:12
10JNNPOLEM02-	97-261/10:59:13	97-261/11:17:25	000/00:18:12
10JNSPOLEM02-	97-261/11:38:39	97-261/11:56:51	000/00:18:12
10JNFEA04101-	97-261/12:02:55	97-261/12:12:01	000/00:09:06
10JNNPOLEM03-	97-261/12:14:03	97-261/12:32:15	000/00:18:12
10NNHEALTH01-	97-261/12:33:15	97-261/12:36:17	000/00:03:02
10JNSPOLEM03-	97-261/12:36:17	97-261/12:53:29	000/00:17:11
10JNNPAURD01-	97-261/12:56:31	97-261/13:27:51	000/00:31:20
10NNRELOAD03-	97-261/13:29:53	97-261/13:39:59	000/00:10:06
10JNFNP04101-	97-261/13:46:03	97-261/14:02:14	000/00:16:10

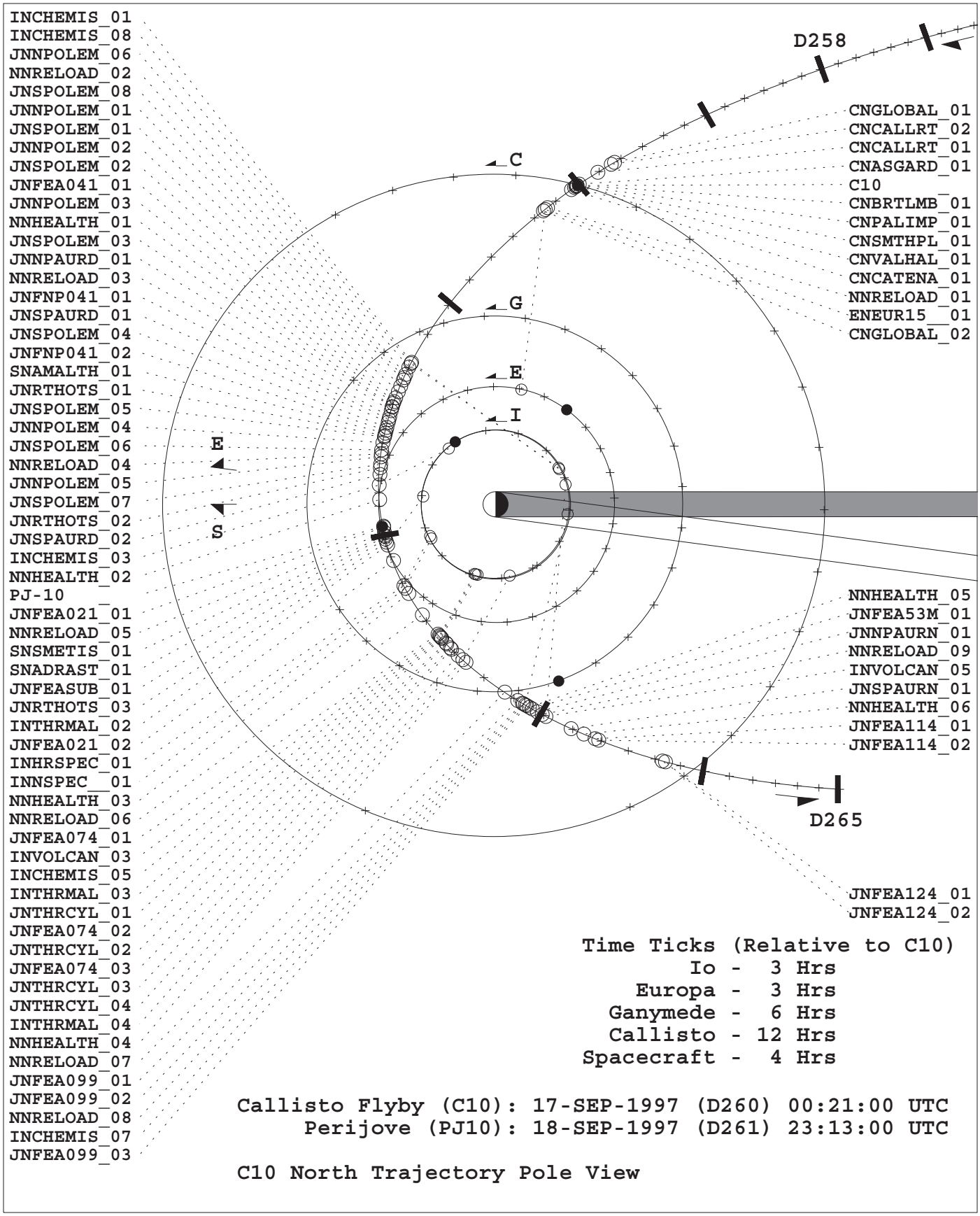
C10 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
10JNSPAURD01-	97-261/14:02:14	97-261/14:27:31	000/00:25:16
10JNSPOLEM04-	97-261/14:31:33	97-261/14:47:44	000/00:16:10
10JNFNP04102-	97-261/14:48:45	97-261/15:04:55	000/00:16:10
10SNAMALTH01-	97-261/15:04:55	97-261/15:10:59	000/00:06:04
10JNRTHOTS01-	97-261/15:18:04	97-261/15:25:09	000/00:07:04
10JNSPOLEM05-	97-261/15:25:09	97-261/15:42:20	000/00:17:11
10JNNPOLEM04-	97-261/15:58:31	97-261/16:16:43	000/00:18:12
10JNSPOLEM06-	97-261/16:38:57	97-261/16:57:09	000/00:18:12
10NNRELOAD04-	97-261/16:59:11	97-261/17:09:17	000/00:10:06
10JNNPOLEM05-	97-261/17:14:21	97-261/17:32:33	000/00:18:12
10JNSPOLEM07-	97-261/17:53:47	97-261/18:11:59	000/00:18:12
10JNRTHOTS02-	97-261/18:11:59	97-261/18:21:05	000/00:09:06
10JNSPAURD02-	97-261/18:46:21	97-261/19:11:38	000/00:25:16
10INCHEMIS03-	97-261/19:41:58	97-261/19:53:07	000/00:11:08
10NNHEALTH02-	97-261/20:57:48	97-261/21:02:51	000/00:05:03
10JNFEA02101-	97-261/23:18:21	97-261/23:27:27	000/00:09:06
10NNRELOAD05-	97-261/23:45:39	97-261/23:55:45	000/00:10:06
10SNSMETIS01-	97-262/00:00:49	97-262/00:05:52	000/00:05:03
10SNADRAST01-	97-262/00:06:53	97-262/00:11:56	000/00:05:03
10JNFEASUB01-	97-262/00:19:01	97-262/00:36:12	000/00:17:11
10JNRTHOTS03-	97-262/00:36:12	97-262/00:44:17	000/00:08:05
10INTHRMAL02-	97-262/00:52:23	97-262/01:00:24	000/00:08:01
10JNFEA02102-	97-262/02:17:19	97-262/02:26:25	000/00:09:06
10INHRSPEC01-	97-262/04:38:52	97-262/04:54:02	000/00:15:09
10INNSPEC_01-	97-262/04:54:02	97-262/05:03:39	000/00:09:37
10NNHEALTH03-	97-262/05:27:24	97-262/05:33:28	000/00:06:04
10NNRELOAD06-	97-262/07:43:54	97-262/07:54:01	000/00:10:06
10JNSCITRN01-	97-262/08:04:07	97-263/14:25:55	001/06:21:48
10JNFEA07401-	97-262/10:03:26	97-262/10:12:32	000/00:09:06
10INVOLCAN03-	97-262/10:14:33	97-262/10:19:03	000/00:04:30
10INCHEMIS05-	97-262/10:21:38	97-262/10:27:23	000/00:05:44

C10 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
10INTHRMAL03-	97-262/10:29:43	97-262/10:35:53	000/00:06:10
10JNTHRCYL01-	97-262/10:35:47	97-262/11:10:10	000/00:34:22
10JNFEA07402-	97-262/11:10:10	97-262/11:18:15	000/00:08:05
10JNTHRCYL02-	97-262/11:18:15	97-262/11:48:35	000/00:30:20
10JNFEA07403-	97-262/11:48:35	97-262/11:56:41	000/00:08:05
10JNTHRCYL03-	97-262/11:59:43	97-262/12:32:04	000/00:32:21
10JNTHRCYL04-	97-262/12:53:18	97-262/13:26:40	000/00:33:22
10INTHRMAL04-	97-262/13:32:44	97-262/13:36:47	000/00:04:02
10NNHEALTH04-	97-262/13:57:00	97-262/14:03:04	000/00:06:04
10NNRELOAD07-	97-262/19:09:26	97-262/19:19:33	000/00:10:06
10JNFEA09901-	97-262/20:52:34	97-262/21:01:40	000/00:09:06
10JNFEA09902-	97-262/21:30:59	97-262/21:42:07	000/00:11:07
10NNRELOAD08-	97-262/21:43:07	97-262/21:53:14	000/00:10:06
10INCHEMIS07-	97-262/21:54:15	97-262/22:00:52	000/00:06:37
10JNFEA09903-	97-262/22:05:22	97-262/22:14:28	000/00:09:06
10NNHEALTH05-	97-262/22:27:37	97-262/22:32:40	000/00:05:03
10JNFEA53M01-	97-262/22:50:52	97-262/23:21:12	000/00:30:20
10JNNPAURN01-	97-262/23:31:19	97-263/00:02:39	000/00:31:20
10NNRELOAD09-	97-263/00:10:45	97-263/00:20:51	000/00:10:06
10INVOLCAN05-	97-263/00:40:04	97-263/00:45:35	000/00:05:30
10JNSPAURN01-	97-263/04:09:22	97-263/04:56:53	000/00:47:31
10NNHEALTH06-	97-263/05:57:33	97-263/06:02:37	000/00:05:03
10JNFEA11401-	97-263/07:32:36	97-263/07:41:42	000/00:09:06
10JNFEA11402-	97-263/08:03:57	97-263/08:12:02	000/00:08:05
10JNSCITRN02-	97-263/14:25:55	97-263/17:01:55	000/02:36:00
10JNFEA12401-	97-263/17:33:12	97-263/17:42:18	000/00:09:06
10JNFEA12402-	97-263/18:02:31	97-263/18:11:37	000/00:09:06
10NNPCTRLT01-	97-264/13:55:38	97-264/21:45:48	000/07:50:10
10NNRCTRLT01-	97-266/02:51:59	97-266/16:07:44	000/13:15:44
10NNRCTRLT02-	97-292/09:49:59	97-292/23:05:44	000/13:15:44
10NNOPCAL_01-	97-302/11:54:37	97-302/12:12:49	000/00:18:12

NIMS C10 OBSERVATIONS



Time Ticks (Relative to C10)

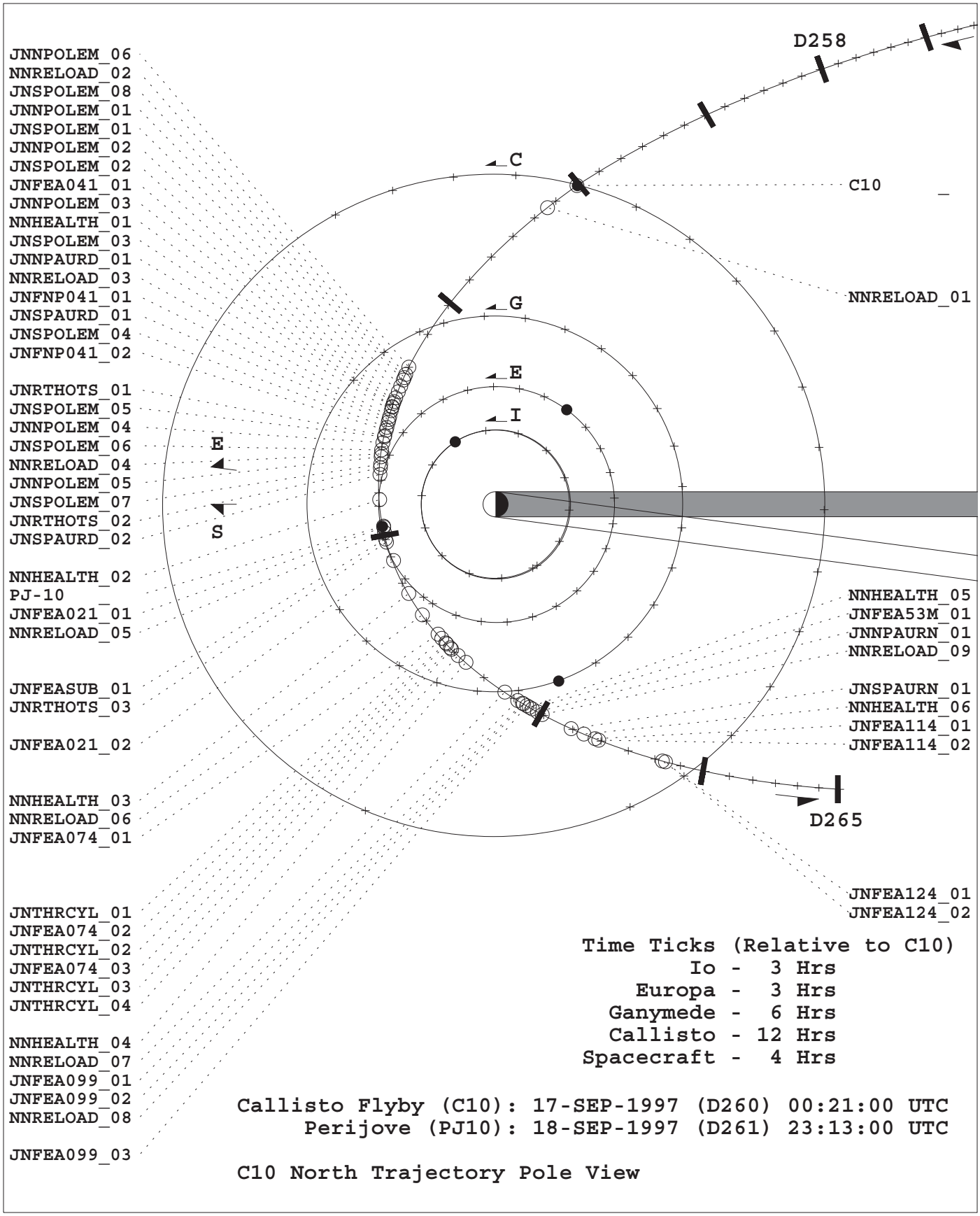
Io -	3 Hrs
Europa -	3 Hrs
Ganymede -	6 Hrs
Callisto -	12 Hrs
Spacecraft -	4 Hrs

Callisto Flyby (C10): 17-SEP-1997 (D260) 00:21:00 UTC
Perijove (PJ10): 18-SEP-1997 (D261) 23:13:00 UTC

C10 North Trajectory Pole View

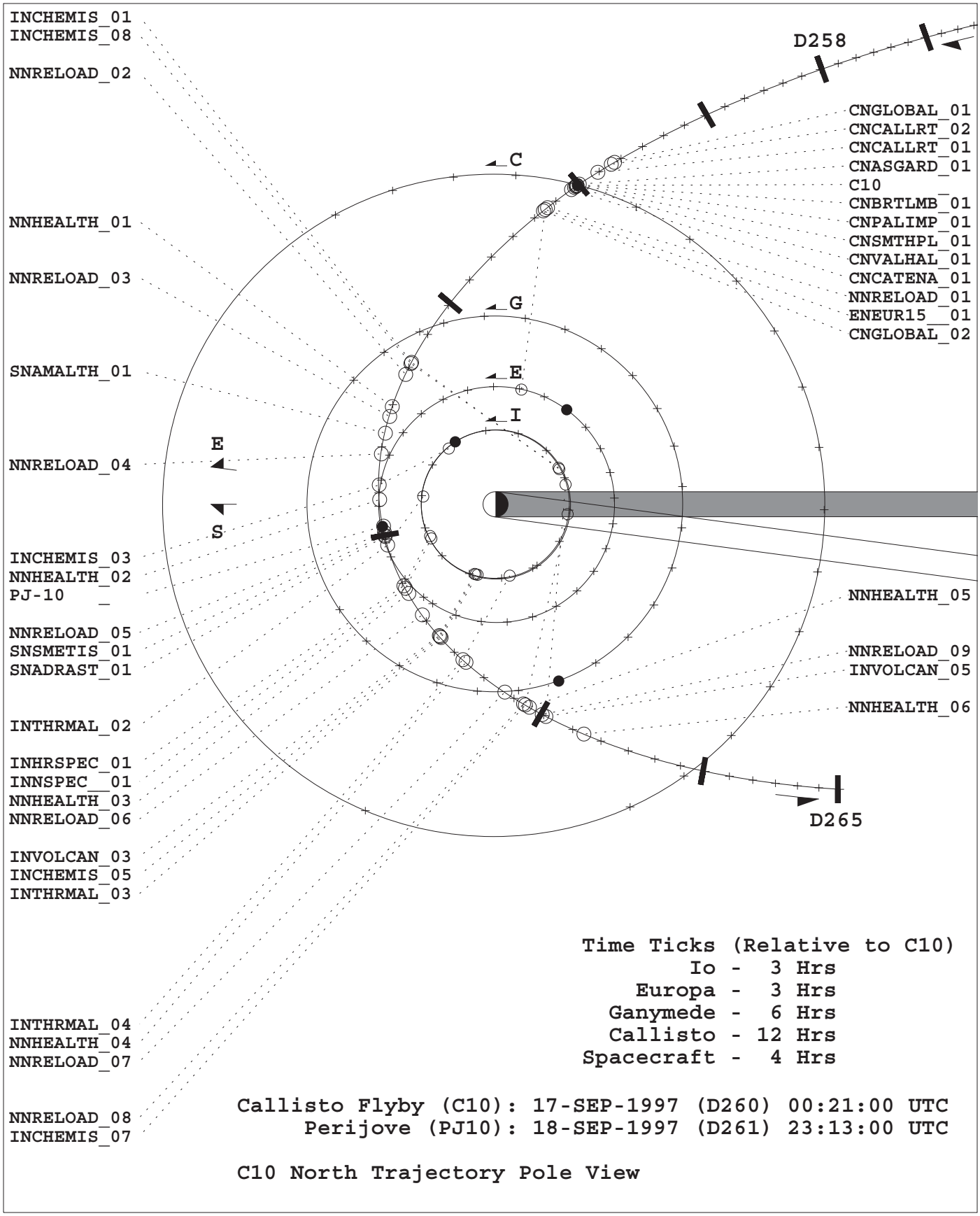
NIMS - FEL - 09/19/97

NIMS C10 JUPITER OBSERVATIONS



NIMS - FEL - 09/19/97

NIMS C10 SATELLITE OBSERVATIONS



Time Ticks (Relative to C10)

Io -	3 Hrs
Europa -	3 Hrs
Ganymede -	6 Hrs
Callisto -	12 Hrs
Spacecraft -	4 Hrs

Callisto Flyby (C10): 17-SEP-1997 (D260) 00:21:00 UTC
Perijove (PJ10): 18-SEP-1997 (D261) 23:13:00 UTC

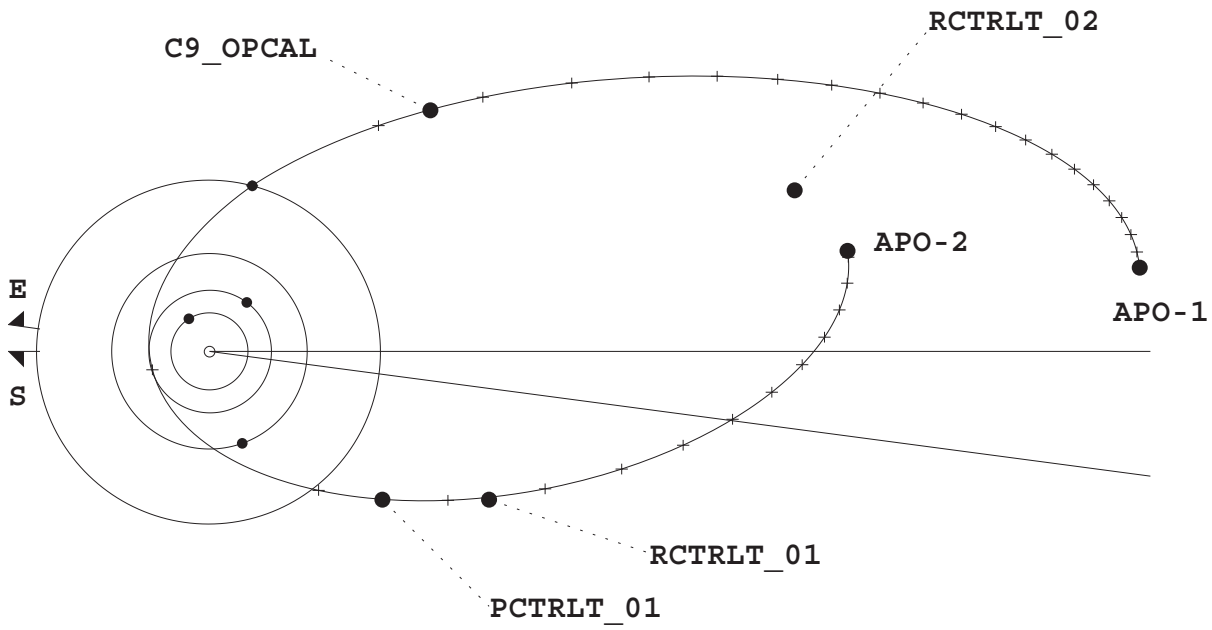
C10 North Trajectory Pole View

NIMS - FEL - 09/19/97

NIMS C10 CALIBRATIONS

Callisto Flyby (C10): 17-SEP-1997 (D260) 00:21:00 UTC
Perijove (PJ10): 18-SEP-1997 (D261) 23:13:00 UTC

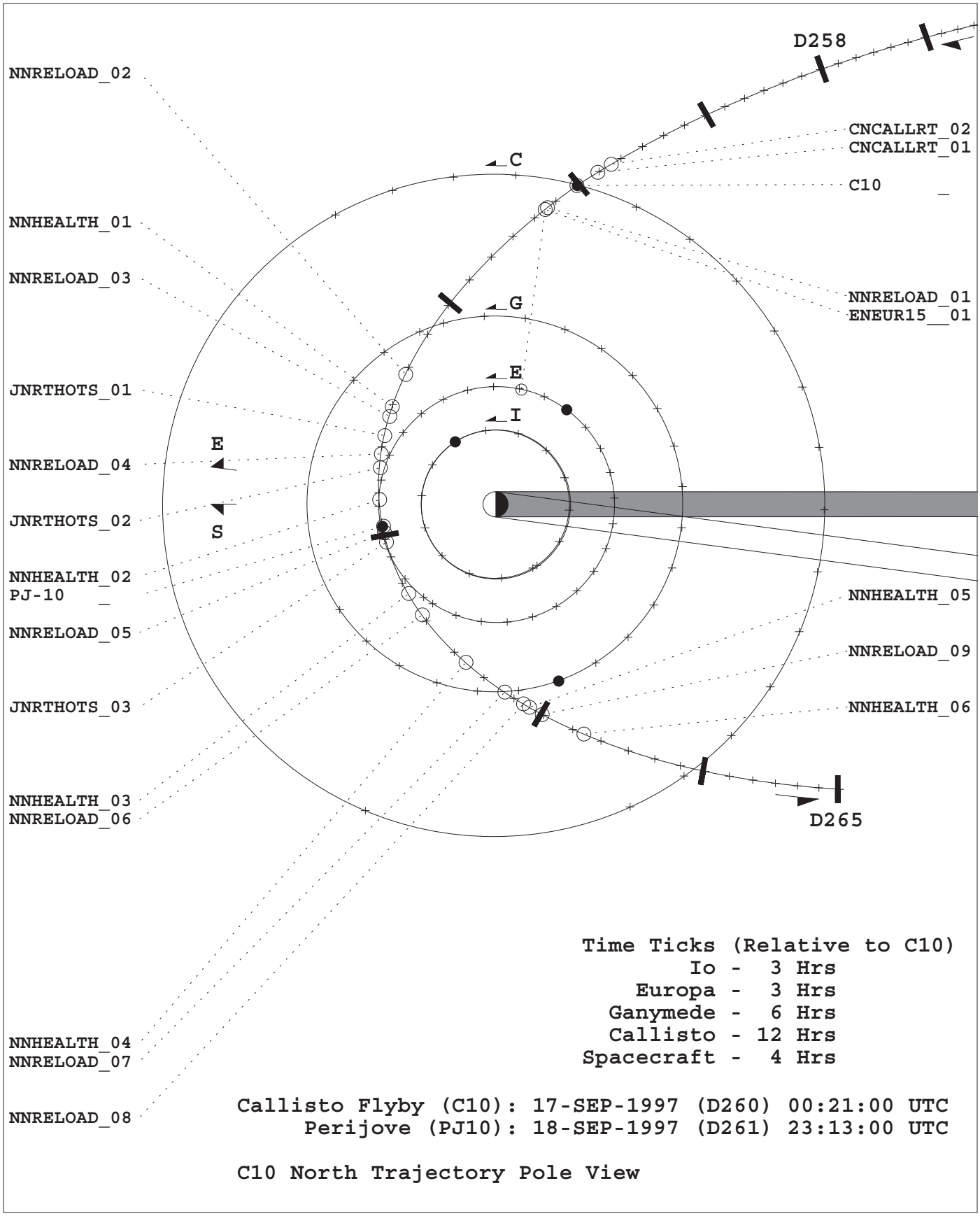
Time Ticks (Relative to C10)
Spacecraft - 2 Days



C10 North Trajectory Pole View, Apoapsis to Apoapsis

NIMS - FEL - 03/20/98

NIMS C10 RAM RELOADS



NIMS - FEL - 09/19/97

C10 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating start	Grating Offset	Record Format	PSID
10NCHOPON01-	NIMS Chopper On								LA
10CNGLOBAL01-	Callisto Global Coverage	C10CLM243C	CLM228C	LM	4	0	4	LPU	DA
10CNCALLRT02-	Callisto Real-Time Observation	C10CLM442/MB	R/T	LM	4	0	4	R/T	KH
10CNCALLRT01-	Callisto Real-Time Observation	C10CLM442/MB	R/T	LM	4	0	4	R/T	KG
10CNASGARD01-	ASGARD Basin observation	C10CFM221	CFM180	FM	4	0	4	MPW	DB
10CNBRTLIMB01+	UVS Ride-along	C10CFM221	CFM180	FM	4	0	4	MPW	N/A
10CNPALIMP01-	Valhalla Palimpsest Spectroscopy	C10CLM442	CLM360	LM	4	0	4	MPW	DC
10CNSMTHPL01	CNSMTHPL	C10CFM221	CFM180	FM	4	0	4	MPW	DD
10CNVALHAL01-	Valhalla Basin/Rings Observation	C10CLM243C	CLM228C	LM	4	0	4	LPU	DE
10CNCATENA01-	GIPUL Catena Coverage	C10CLM243C	CLM228C	LM	4	0	4	LPU	DF
10NNRELOAD01	NIMS Software Reload						4	N/A	EB
10ENEUR15_01-	Europa Real-Time Observation	C10ELMRT102/MB	R/T	LM	4	0	4	R/T	FZ
10CNGLOBAL02-	Callisto Global Coverage	C10CLM243C	CLM228C	LM	4	0	4	LPU	DG
10INCHEMIS01-	MONITORING OF IO'S DAYSIDE	C10ILM243C	ILM228C	LM	2	0	4	LPU	DJ
10INCHEMIS08-	MONITORING OF IO'S DAYSIDE	C10ILM442	C10ILM228C	LM	2	0	4	MPW	DK
10JNNPOLEM06-	Jupiter North Pole Map prt 6	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DL
10NNRELOAD02	NIMS Software Reload						4	N/A	ED
10JNSPOLEM08-	Jupiter South Pole Map prt 8	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DM
10JNNPOLEM01-	Jupiter North Pole Map prt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DN
10JNSPOLEM01-	Jupiter South Pole Map prt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DO
10JNNPOLEM02-	Jupiter North Pole Map prt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DP
10JNSPOLEM02-	Jupiter South Pole Map prt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DQ
10JNFEA04101-	Jupiter Feature Track 41 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DR
10JNNPOLEM03-	Jupiter North Pole Map prt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DS
10NNHEALTH01	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KA
10JNSPOLEM03-	Jupiter South Pole Map prt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DU
10JNNPAURD01-	Jupiter North Pole Aurora Daytime prt 1	C10JAU253B	C10JAU40B	LM	2	0	4	LPU	DV
10NNRELOAD03	NIMS Software Reload						4	N/A	EC
10JNFNP04101-	Jup Expanded NP Ftr Trk 41 deg phse pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DW
10JNSPAURD01-	Jupiter South Pole Aurora Daytime prt 1	C10JAU253B	JAU40B	LM	2	0	4	LPU	DX
10JNSPOLEM04-	Jupiter South Pole Map prt 4	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DY
10JNFNP04102-	Jup Expanded Ftr Trk 41 deg phse pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EA
10SNAMALTH01-	Observation of Amalthea	C10SLM442	SLM360	LM	4	0	4	MPW	EB
10JNRTHOTS01	Jupiter Real-Time Observation	C10JLM442/MB	R/T	LM	4	0	4	R/T	KJ
10JNSPOLEM05-	Jupiter South Pole Map prt 5	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EC
10JNNPOLEM04-	Jupiter North Polar Map prt 4	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	ED
10JNSPOLEM06-	Jupiter South Pole Map prt 6	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EG
10NNRELOAD04	NIMS Software Reload						4	N/A	EE
10JNNPOLEM05-	Jupiter North Pole Map prt 5	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EE
10JNSPOLEM07-	Jupiter South Pole Map prt 7	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EF
10JNRTHOTS02-	Jupiter Real-Time Observation	C10JLM442/MB	R/T	LM	4	0	4	R/T	KK
10JNSPAURD02-	Jupiter South Pole Aurora Daytime prt 2	C10JAU253B	C10JAU40B	LM	2	0	4	LPU	EH
10INCHEMIS03-	MONITORING OF IO'S DAYSIDE	C10ILM442	C10ILM228C	LM	2	0	4	MPW	EI

C10 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating start	Grating Offset	Record Format	PSID
10NNHEALTH02	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KB
10JNFEA02101-	Jupiter Feature Track 21 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EJ
10NNRELOAD05	NIMS Software Reload						4	N/A	EF
10SNSMETIS01-	NIMS Small Satelite Obs. of Metis	C10SLM442	SLM360	LM	4	0	4	MPW	EK
10SNADRAST01-	NIMS Small satellite Obs. of Adrastea	C10SLM442	SLM360	LM	4	0	4	MPW	EL
10JNFEASUB01-	Jupiter Campaign Feature Sub-Spectra	C10JSB253A	JSB80A	LM	2	0	4	LPU	EM
10JNRTHOTS03	Jupiter Real-Time Observation	C10JLM442/MB	R/T	LM	4	0	4	R/T	KL
10INTHRMAL02-	MONITORING OF IO'S NIGHTSIDE	C10ILM442	C10ILM228C	LM	4	0	4	MPW	EO
10JNFEA02102-	Jupiter Feature Track 21 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EP
10INHRSPEC01-	HIGH SPATIAL & SPECTRAL OBS. OF IO	C10ILM442	C10ILM360	LM	2	0	4	MPW	EQ
10INNSPEC 01-	NIGHTSIDE SPECTRA AT HIGH RESOLUTION	C10ILM442	C10ILM360	LM	4	0	4	MPW	ER
10NNHEALTH03-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KC
10NNRELOAD06	NIMS Software Reload						4	N/A	EG
10JNSCITRN01-	NIMS AWG Science Turn						4	N/A	N/A
10JNFEA07401-	Jupiter Feature Track 74 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	ES
10INVOLCAN03-	MONITORING OF SELECTED VOLCANIC REGIONS	C10ILMDK243D	C10ILMDK102D	LM	4	0	4	LPU	ET
10INCHEMIS05-	MONITORING OF IO'S DAYSIDE	C10ILM243C	C10ILM228C	LM	2	0	4	LPU	EU
10INTHRMAL03-	MONITORING OF IO'S NIGHTSIDE	C10ILMDK243D	C10ILMDK228D	LM	4	0	4	LPU	EV
10JNTHRCYL01-	Jupiter Thermal Cylindrical Map prt 1	C10J5M253B	C10J5M253B	LM	4	0	4	LPU	EW
10JNFEA07402-	Jupiter Feature Track 74 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EX
10JNTHRCYL02-	Jupiter Thermal Cylindrical Map prt 2	C10J5M253B	C10B_J5M127B	LM	4	0	4	LPU	EZ
10JNFEA07403-	Jupiter Feature Track 74 deg phase pt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FA
10JNTHRCYL03-	Jupiter Thermal Cylindrical Map prt 3	C10J5M253B	C10J5M253B	LM	4	0	4	LPU	FB
10JNTHRCYL04-	Jupiter Thermal Cylindrical Map prt 4	C10J5M253B	C10J5M253B	LM	4	0	4	LPU	FE
10INTHRMAL04-	MONITORING OF IO'S NIGHTSIDE	C10ILMDK243D	C10ILMDK228D	LM	4	0	4	LPU	FD
10NNHEALTH04-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KD
10NNRELOAD07-	NIMS Software Reload						4	N/A	EH
10JNFEA09901-	Jupiter Feature Track 99 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FJ
10JNFEA09902-	Jupiter Feature Track 99 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FL
10NNRELOAD08-	NIMS Software Reload						4	N/A	EI
10INCHEMIS07-	MONITORING OF IO'S DAYSIDE	C10ILM243C	C10ILM228C	LM	2	0	4	LPU	FI
10JNFEA09903-	Jupiter Feature Track 99 deg phase pt 3	JFT68C	C10JFT25A	SM	2	1	4	LPU	FM
10NNHEALTH05-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KE
10JNFEA53M01-	Jupiter Campaign Feature 5 and 3 um Map	C10J35157	C10J35157	LM	4	0	4	LPU	FN
10JNNPAURN01-	Jup North Pole Aurora Nite Time prt 1	C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FO
10NNRELOAD09-	NIMS Software Reload						4	N/A	EJ
10INVOLCAN05-	MONITORING OF SELECTED VOLCANIC REGIONS	C10ILMDK243D	C10ILMDK102D	LM	4	0	4	LPU	FQ
10JNSPAURN01-	Jupiter South Pole Aurora Night Time	C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FS
10NNHEALTH06	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KF
10JNFEA11401-	Jupiter Feature Track 114 deg phase pt	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FV
10JNFEA11402-	Jupiter Feature Track 114 deg phase pt	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FW
10JNSCITRN02-	NIMS AWG Science Turn						4	N/A	N/A
10JNFEA12401-	Jupiter Feature Track 124 deg phase pt	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FX

C10 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating start	Grating Offset	Record Format	PSID
10JNFEA12402-	Jupiter Feature Track 124 deg phase pt :	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FY
10NNPCTRLT01	NIMS Real-Time PCT Calibration	C10PCT252	R/T	LM	4	0	4	R/T	FT
10NNRCTRLT01-	NIMS Real-Time RCT Calibration	C10RCT252	R/T	LM	1	0		R/T	XU
10NNRCTRLT02-	NIMS Real-Time RCT Calibration	C10RCT252	R/T	LM	1	0		R/T	XI
10NNOPCAL 01	NIMS OPCAL	C10OPCAL120	R/T	LM	4	0		R/T	LW

C10 NIMS RESOURCES

Activity ID	NIMS Mode	Record Mode	Obs. Cost (tracks)	Obs. Cost (ticks)	Number Wavelengths Returned	Observation Record Time (sec.)	Observation Playback Time (sec.)	Bits of Tape BOT (Mbit)	Selected Bits of Tape sBOT (Mbit)	Mode Cycle time (sec)
10CNGLOBAL01-	LM	LPU	0.0534	372	114	1580.00	1474.67	9.75	9.10	8.667
10CNCALLRT02	LM	R/T								
10CNCALLRT01	LM	R/T								
10CNASGARD01-	FM	MPW	0.0690	481	180	544.67	541.33	6.27	6.24	4.333
10CNBRTLMB01+	FM	MPW			180	364.00	364.00	4.19	4.19	4.333
10CNPALIMP01-	LM	MPW	0.0387	270	360	304.00	300.67	3.50	3.46	8.667
10CNSMTHPL01	FM	MPW	0.0848	591	180	670.00	663.00	7.72	7.64	4.333
10CNVALHAL01-	LM	LPU	0.0186	130	228	544.00	539.33	3.36	3.33	8.667
10CNCATENA01-	LM	LPU	0.0481	336	102	1423.33	1357.35	8.78	8.37	8.667
10ENEUR15_01	LM	R/T								
10CNGLOBAL02-	LM	LPU	0.0517	360	228	1529.00	1524.33	9.43	9.40	8.667
10INCHEMIS01-	LM	LPU	0.0062	43	228	174.67	170.00	1.08	1.05	8.667
10INCHEMIS08-	LM	MPW	0.0114	79	228	87.33	82.67	1.01	0.95	8.667
10JNNPOLEM06-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNSPOLEM08-	SM	LPU	0.0235	164	25	691.33	686.67	4.26	4.24	2.33
10JNNPOLEM01-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNSPOLEM01-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNNPOLEM02-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNSPOLEM02-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNFEA04101-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10JNNPOLEM03-	SM	LPU	0.0237	165	25	696.67	692.00	4.30	4.27	2.33
10NNHEALTH01	LM	R/T								
10JNSPOLEM03-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNNPAURD01-	LM	LPU	0.0587	410	40	1740.00	1735.33	10.73	10.70	8.667
10JNFNP04101-	SM	LPU	0.0291	203	25	857.33	813.33	5.29	5.02	2.33
10JNSPAURD01-	LM	LPU	0.0491	342	40	1452.00	1447.33	8.96	8.93	8.667
10JNSPOLEM04-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNFNP04102-	SM	LPU	0.0237	165	25	696.67	692.00	4.30	4.27	2.33
10SNAMALTH01-	LM	MPW	0.0051	36	360	38.00	33.33	0.44	0.38	8.667
10JNRTHOTS01-	LM	R/T								
10JNSPOLEM05-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNNPOLEM04-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNSPOLEM06-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNNPOLEM05-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNSPOLEM07-	SM	LPU	0.0278	194	25	818.00	813.33	5.05	5.02	2.33
10JNRTHOTS02-	LM	R/T								
10JNSPAURD02-	LM	LPU	0.0468	326	40	1384.00	1379.33	8.54	8.51	8.667
10INCHEMIS03-	LM	MPW	0.0384	268	228	302.00	297.33	3.48	3.43	8.667
10NNHEALTH02-	LM	R/T								
10JNFEA02101-	SM	LPU	0.0076	53	25	218.00	213.33	1.34	1.32	2.33

C10 NIMS RESOURCES

Activity ID	NIMS Mode	Record Mode	Obs. Cost (tracks)	Obs. Cost (ticks)	Number Wavelengths Returned	Observation Record Time (sec.)	Observation Playback Time (sec.)	Bits of Tape BOT (Mbit)	Selected Bits of Tape sBOT (Mbit)	Mode Cycle time (sec)
10SNSMETIS01-	LM	MPW	0.0051	36	360	38.00	33.33	0.44	0.38	8.667
10SNADRAST01-	LM	MPW	0.0051	36	360	38.00	33.33	0.44	0.38	8.667
10JNFEASUB01-	LM	LPU	0.0246	172	80	724.67	720.00	4.47	4.44	8.667
10JNRTHOTS03	LM	R/T								
10INTHRMAL02-	LM	MPW	0.0301	210	228	236.00	231.33	2.72	2.66	8.667
10JNFEA02102-	SM	LPU	0.0076	53	25	218.00	213.33	1.34	1.32	2.33
10INHRSPEC01-	LM	MPW	0.0785	547	180	620.00	616.67	7.14	7.10	8.667
10INNSPEC 01-	LM	MPW	0.0438	306	360	345.00	341.67	3.97	3.94	8.667
10NNHEALTH03	LM	R/T								
10JNFEA07401-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10INVOLCAN03-	LM	LPU	0.0028	20	102	74.67	70.00	0.46	0.43	8.667
10INCHEMIS05-	LM	LPU	0.0056	39	228	159.33	154.67	0.98	0.95	8.667
10INTHRMAL03-	LM	LPU	0.0045	32	228	126.00	121.33	0.78	0.75	8.667
10JNTHRCYL01-	LM	LPU	0.0406	283	253	1199.00	1194.33	7.40	7.37	8.667
10JNFEA07402-	SM	LPU	0.0045	31	25	124.67	120.00	0.77	0.74	2.33
10JNTHRCYL02-	LM	LPU	0.0406	283	127	1199.00	1194.33	7.40	7.37	8.667
10JNFEA07403-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10JNTHRCYL03-	LM	LPU	0.0441	308	253	1305.00	1300.33	8.05	8.02	8.667
10JNTHRCYL04-	LM	LPU	0.0463	323	253	1370.00	1365.30	8.45	8.42	8.667
10INTHRMAL04-	LM	LPU	0.0037	26	228	100.67	96.00	0.62	0.59	8.667
10NNHEALTH04	LM	R/T								
10JNFEA09901-	SM	LPU	0.0076	53	25	218.00	213.33	1.34	1.32	2.33
10JNFEA09902-	SM	LPU	0.0076	53	25	218.00	213.33	1.34	1.32	2.33
10INCHEMIS07-	LM	LPU	0.0034	23	228	91.33	86.67	0.56	0.53	8.667
10JNFEA09903-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10NNHEALTH05	LM	R/T								
10JNFEA53M01-	LM	LPU	0.0527	367	157	1559.00	1554.33	9.62	9.59	8.667
10JNNPAURN01-	LM	LPU	0.0592	413	40	1755.00	1750.33	10.82	10.80	8.667
10INVOLCAN05-	LM	LPU	0.0020	14	102	50.00	45.33	0.31	0.28	8.667
10JNSPAURN01-	LM	LPU	0.0592	413	62	1755.00	1750.33	10.82	10.80	8.667
10NNHEALTH06	LM	R/T								
10JNFEA11401-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10JNFEA11402-	SM	LPU	0.0076	53	25	218.00	213.33	1.34	1.32	2.33
10JNFEA12401-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10JNFEA12402-	SM	LPU	0.0078	55	25	224.67	220.00	1.39	1.36	2.33
10NNPCTRLT01-	LM	R/T								
10NNRCTRLT01-	LM	R/T								
10NNRCTRLT02-	LM	R/T								
Total			**1.6623**	**11598**						
Allocation			**1.6120**	**11247**						
Overage			**0.0503**	**351**						

C10 NIMS RESOURCES

Activity ID	AACS Mbits	RT BTG Mbits	Thold	Comp	Total BTG Mbits (4% Ohead)	Total BTG Mbits SWG	Total BTG Mbits AWG	Data Reduct. Factor (sBOT/BTG)	Pass
10CNGLOBAL01-	0.08			1.90	2.1234	2.1234		4.3	2
10CNCALLRT02		0.065							
10CNCALLRT01		0.016							
10CNASGARD01-	0.03			1.60	2.9234	2.9234		2.1	4
10CNBRTLMB01+				1.60	1.9658	1.9658		2.1	2
10CNPALIMP01-	0.02			1.60	1.6236	1.6236		2.1	2
10CNSMTHPL01	0.04			1.60	3.5805	3.5805		2.1	2
10CNVALHAL01-	0.03			1.60	1.8444	1.8444		1.8	2
10CNCATENA01-	0.08			1.70	1.9545	1.9545		4.3	4
10ENEUR15_01		0.065							
10CNGLOBAL02-	0.09			1.80	4.6338	4.6338		2.0	2
10INCHEMIS01-	0.01			2.20	0.4228	0.4228		2.5	2
10INCHEMIS08-	0.00			2.20	0.2056	0.2056		4.6	2
10JNNPOLEM06-	0.05			1.90	0.9553		0.9553	5.3	4
10JNSPOLEM08-	0.04			1.90	0.8066		0.8066	5.3	2
10JNNPOLEM01-	0.05			1.90	0.9553		0.9553	5.3	2
10JNSPOLEM01-	0.05			1.90	0.9553		0.9553	5.3	2
10JNNPOLEM02-	0.05			1.90	0.9553		0.9553	5.3	4
10JNSPOLEM02-	0.05			1.90	0.9553		0.9553	5.3	2
10JNFEA04101-	0.01			1.90	0.2584		0.2584	5.3	2
10JNNPOLEM03-	0.04			1.90	0.8128		0.8128	5.3	2
10NNHEALTH01		0.001		1.90					
10JNSPOLEM03-	0.05			1.90	0.9553		0.9553	5.3	4
10JNNPAURD01-	0.10			1.90	0.8768		0.8768	12.2	2
10JNFNP04101-	0.05			1.90	0.9553		0.9553	5.3	1
10JNSPAURD01-	0.08			1.90	0.7313		0.7313	12.2	1
10JNSPOLEM04-	0.05			1.90	0.9553		0.9553	5.3	1
10JNFNP04102-	0.04			1.90	0.8128		0.8128	5.3	1
10SNAMALTH01-	0.00			2.00	0.1440	0.1440		2.7	1
10JNRTHOTS01-		0.016							
10JNSPOLEM05-	0.05			1.90	0.9553		0.9553	5.3	1
10JNNPOLEM04-	0.05			1.90	0.9553		0.9553	5.3	1
10JNSPOLEM06-	0.05			1.90	0.9553		0.9553	5.3	1
10JNNPOLEM05-	0.05			1.90	0.9553		0.9553	5.3	1
10JNSPOLEM07-	0.05			1.90	0.9553		0.9553	5.3	1
10JNRTHOTS02-		0.016							
10JNSPAURD02-	0.08			1.90	0.6969		0.6969	12.2	1
10INCHEMIS03-	0.02			1.20	1.3558	1.3558		2.5	1
10NNHEALTH02-		0.001							
10JNFEA02101-	0.01			1.90	0.2506		0.2506	5.3	1

C10 NIMS RESOURCES

Activity ID	AACS Mbits	RT BTG Mbits	Thold	Comp	Total BTG Mbits (4% Ohead)	Total BTG Mbits SWG	Total BTG Mbits AWG	Data Reduct. Factor (sBOT/BTG)	Pass
10SNSMETIS01-	0.00			2.00	0.1440	0.1440		2.7	1
10SNADRAST01-	0.00			2.00	0.1440	0.1440		2.7	1
10JNFEASUB01-	0.04			1.80	0.7680		0.7680	5.8	1
10JNRTHOTS03		0.016							
10INTHRMAL02-	0.01			1.20	1.0548	1.0548		2.5	1
10JNFEA02102-	0.01			1.90	0.2506		0.2506	5.3	1
10INHRSPEC01-	0.04			1.20	2.2199	2.2199		3.2	1
10INNSPEC 01-	0.02			1.20	2.4599	2.4599		1.6	1
10NNHEALTH03		0.001							
10JNFEA07401-	0.01			1.90	0.2584		0.2584	5.3	1
10INVOLCAN03-	0.00			1.40	0.1224	0.1224		3.5	1
10INCHEMIS05-	0.01			1.30	0.6510	0.6510		1.5	3
10INTHRMAL03-	0.01			1.30	0.5107	0.5107		1.5	1
10JNTHRCYL01-	0.07			1.60	4.5323		4.5323	1.6	1
10JNFEA07402-	0.01			1.90	0.1410		0.1410	5.3	1
10JNTHRCYL02-	0.07			1.60	2.2751		2.2751	3.2	1
10JNFEA07403-	0.01			1.90	0.2584		0.2584	5.3	1
10JNTHRCYL03-	0.07			1.60	4.9346		4.9346	1.6	3
10JNTHRCYL04-	0.08			1.60	5.1811		5.1811	1.6	1
10INTHRMAL04-	0.01			1.40	0.3752	0.3752		1.6	1
10NNHEALTH04		0.001							
10JNFEA09901-	0.01			1.90	0.2506		0.2506	5.3	1
10JNFEA09902-	0.01			1.90	0.2506		0.2506	5.3	1
10INCHEMIS07-	0.00			2.10	0.2258	0.2258		2.4	1
10JNFEA09903-	0.01			1.90	0.2584		0.2584	5.3	1
10NNHEALTH05		0.001							
10JNFEA53M01-	0.09			1.30	4.5050		4.5050	2.1	3
10JNNPAURN01-	0.10			1.90	0.8843		0.8843	12.2	1
10INVOLCAN05-	0.00			2.20	0.0504	0.0504		5.5	1
10JNSPAURN01-	0.10			1.90	1.3707		1.3707	7.9	3
10NNHEALTH06		0.001							
10JNFEA11401-	0.01			1.90	0.2584		0.2584	5.3	1
10JNFEA11402-	0.01			1.90	0.2506		0.2506	5.3	1
10JNFEA12401-	0.01			1.90	0.2584		0.2584	5.3	1
10JNFEA12402-	0.01			1.90	0.2584		0.2584	5.3	1
10NNPCTRLT01-		0.2			0.2000		0.2000		
10NNRCTRLT01-		0.08			0.0800		0.0800		
10NNRCTRLT02-		0.08			0.0800		0.0800		
Total					75.9063	30.7358	45.1705		
Allocation					75.643	30.799	44.8440		
Overage					0.2633	-0.0632	0.3265		

NIMS C10 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
10CNGLOBAL01	-90 to +90	75 to 170	184K	90	6 to 99	2 to 90	96
10CNCALLRT02	-10 to +10	130 to 158	170K	90	61 to 89	6 to 35	96
10CNCALLRT01	-5 to +5	144 to 162	109K	90	73 to 91	4 to 22	95
10CNASGARD01	+28 to +32	150 to 153	5.6K	106 to 128	77 to 81	37 to 50	56 to 79
10CNBRTLMB01	----------	----------	-------	95	----------	----------	----------
10CNPALIMP01	+8 to +12	66 to 75	6.0K	93	9 to 12	74 to 81	81
10CNSMTHPL01	+12 to +18	346 to 352	9.7K	101 to 110	82 to 88	20 to 27	64 to 73
10CNVALHAL01	+15 to +25	30 to 41	17K	91	38 to 47	42 to 54	83
10CNCATENA01	+12 to +30	4 to 29	35K	89	50 to 72	23 to 46	84
10ENEUR15_01	-50 to +50	89 to 165	1029K	87	9 to 84	13 to 90	98
10CNGLOBAL02	-90 to +90	345 to 75	1910K	87	2 to 92	0 to 90	86
10INCHEMIS01	-90 to +90	345 to 165	1034K	151	3 to 85	3 to 79	35
10INCHEMIS08	-90 to +90	19 to 99	1024K	151	1 to 69	1 to 46	35
10JNNPOLEM06	+50 to +90	300 to 50	900K	126	65 to 88	64 to 90	56
10JNSPOLEM08	-90 to -50	330 to 90	860K	131	58 to 85	59 to 90	52
10JNNPOLEM01	+50 to +90	330 to 90	854K	132	59 to 84	57 to 90	52
10JNSPOLEM01	-90 to -50	0 to 120	840K	134	60 to 86	61 to 90	49
10JNNPOLEM02	+50 to +90	26 to 126	821K	136	59 to 84	57 to 90	47

NIMS C10 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
10JNSPOLEM02	-90 to -50	50 to 160	805K	139	60 to 87	61 to 91	45
10JNFEA04101	+50 to +90	154 to 211	798K	142	75 to 99	65 to 90	43
10JNNPOLEM03	+45 to +90	71 to 168	789K	141	59 to 82	57 to 90	43
10JNSPOLEM03	-90 to -50	80 to 200	782K	143	60 to 88	62 to 91	41
10JNNPAURD01	+45 to +90	140 to 200	764K	144	58 to 85	59 to 80	41
10JNFNP04101	+45 to +90	117 to 210	753K	147	60 to 78	58 to 91	37
10JNSPAURD01	-90 to -50	130 to 190	748K	147	59 to 76	62 to 91	37
10JNSPOLEM04	-90 to -50	140 to 240	737K	151	60 to 78	62 to 91	34
10JNFNP04102	+45 to +90	150 to 235	730K	151	59 to 78	58 to 91	33
10SNAMALTH01	-90 to +90	90 to 270	567K	153	57 to 122	90 to 90	31
10JNRTHOTS01	+5 to +10	238 to 241	672K	154	29 to 34	7 to 8	31
10JNSPOLEM05	-90 to -50	175 to 285	718K	154	61 to 81	62 to 91	29
10JNNPOLEM04	+45 to +90	195 to 300	707K	157	63 to 85	61 to 90	26
10JNSPOLEM06	-90 to -50	240 to 360	696K	162	62 to 95	63 to 91	22
10JNNPOLEM05	+45 to +90	240 to 340	684K	163	62 to 86	59 to 91	20
10JNSPOLEM07	-90 to -50	240 to 30	676K	168	65 to 84	65 to 91	16
10JNRTHOTS02	+5 to +10	329 to 330	620K	168	15 to 17	7 to 8	17
10JNSPAURD02	-90 to -50	270 to 30	652K	172	59 to 70	61 to 76	13

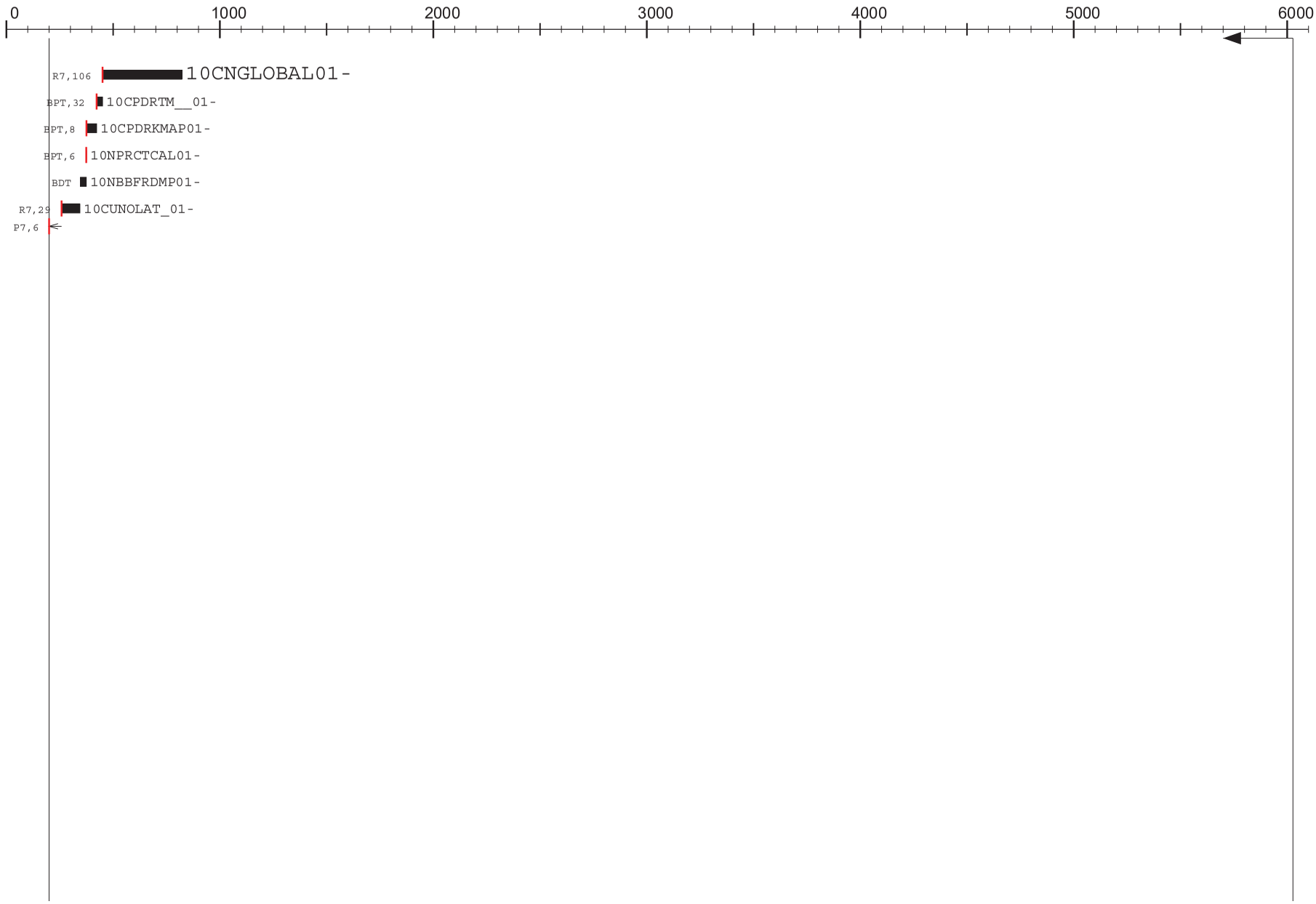
NIMS C10 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
10INCHEMIS03	-90 to +90	12 to 192	445K	144	1 to 119	0 to 90	29
10JNFEA02101	+50 to +90	150 to 200	636K	158	57 to 81	65 to 91	15
10SNSMETIS01	-90 to +90	----------	557K	165	99	90	15
10SNADRAST01	-90 to +90	----------	701K	167	97	90	15
10JNFEASUB01	+50 to +90	160 to 185	632K	154	61 to 72	65 to 80	20
10JNRTHOTS03	+5 to +10	166 to 167	588K	153	20	7	20
10INTHRMAL02	-90 to +90	30 to 110	344K	118	68 to 145	12 to 90	56
10JNFEA02102	+50 to +90	140 to 190	654K	145	73 to 96	67 to 91	28
10INHRSPEC01	-90 to +90	96 to 232	319K	109	17 to 107	18 to 90	64
10INNSPEC_01	-90 to +90	54 to 132	319K	109	77 to 147	21 to 90	64
10JNFEA07401	+45 to +85	132 to 182	797K	132	56 to 66	61 to 91	68
10INVOLCAN03	-90 to +90	136 to 164	403K	139	89 to 140	28 to 56	61
10INCHEMIS05	-90 to +90	187 to 253	407K	139	1 to 67	0 to 60	61
10INTHRMAL03	-90 to +90	105 to 180	412K	139	75 to 150	14 to 90	61
10JNTHRCYL01	+5 to +15	61 to 96	790K	134	91 to 137	26 to 73	66
10JNFEA07402	+50 to +90	158 to 204	825K	128	66 to 75	63 to 88	72
10JNTHRCYL02	+5 to +15	93 to 122	800K	132	91 to 131	23 to 65	68
10JNFEA07403	+50 to +90	161 to 188	835K	178	73 to 83	61 to 79	73

NIMS C10 OBSERVING GEOMETRY

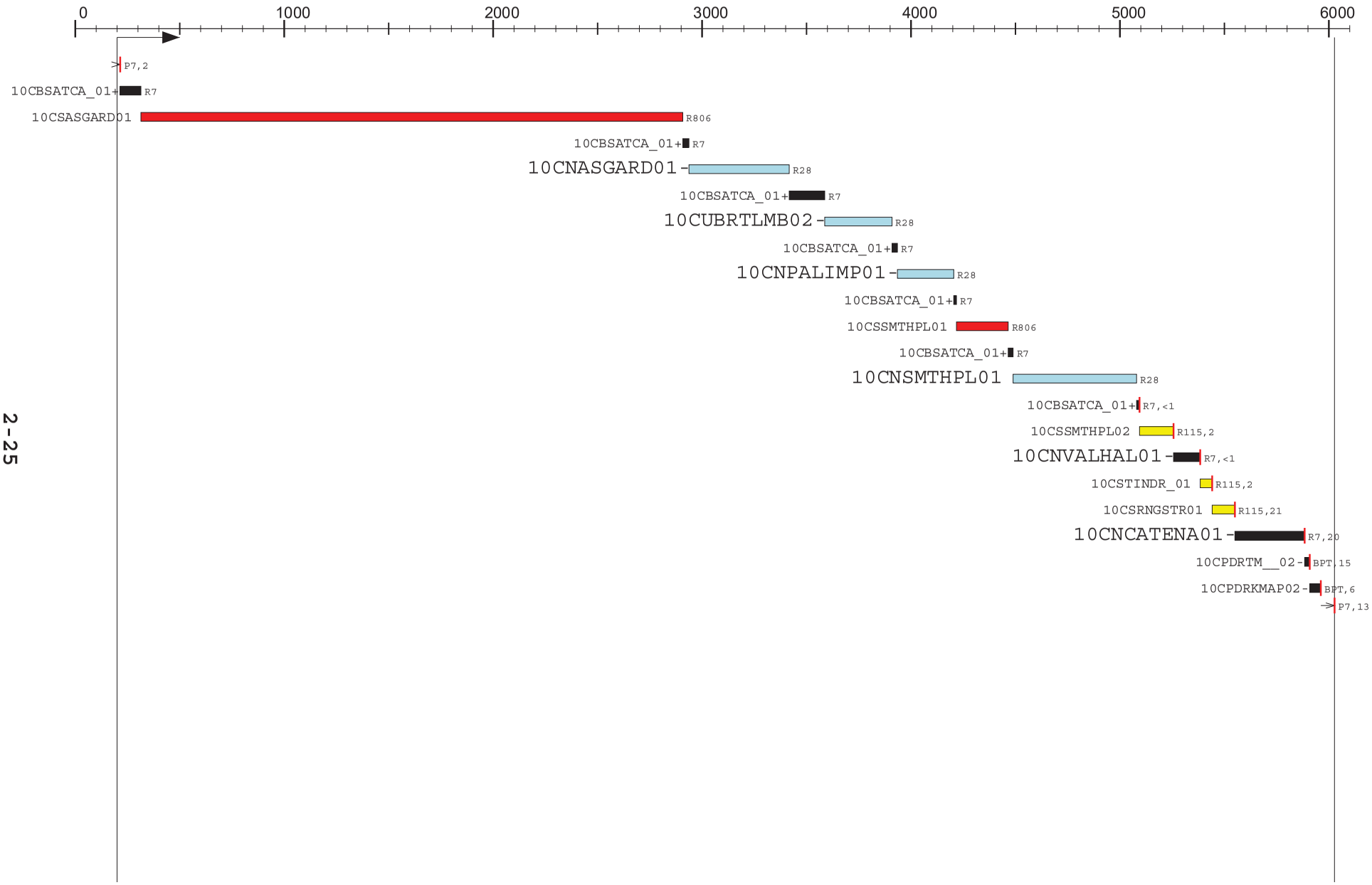
OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
10JNTHRCYL03	+5 to +15	115 to 146	822K	129	90 to 134	21 to 65	71
10JNTHRCYL04	+5 to +15	133 to 176	858K	126	96 to 151	23 to 80	74
10INTHRMAL04	-90 to +90	130 to 200	545K	139	81 to 151	19 to 90	61
10JNFEA09901	+50 to +90	129 to 188	1108K	102	64 to 79	56 to 90	97
10JNFEA09902	+50 to +90	146 to 210	1128K	102	69 to 84	56 to 90	98
10INCHEMIS07	-90 to +90	250 to 360	1118K	123	5 to 94	2 to 90	77
10JNFEA09903	+45 to +90	155 to 190	1136K	101	77 to 91	54 to 77	99
10JNFEA53M01	+50 to +90	143 to 184	1170K	100	88 to 110	65 to 74	100
10JNNPAURN01	+40 to +90	119 to 195	1193K	100	93 to 124	53 to 90	101
10INVOLCAN05	-90 to +90	200 to 285	1331K	115	93 to 175	8 to 90	85
10JNSPAURN01	-90 to -40	270 to 60	1340K	91	79 to 127	51 to 90	108
10JNFEA11401	+35 to +85	139 to 183	1424K	86	69 to 91	49 to 82	114
10JNFEA11402	+35 to +85	155 to 188	1435K	86	74 to 91	49 to 76	114
10JNFEA12401	+35 to +85	135 to 195	1700K	49	69 to 94	49 to 86	124
10JNFEA12402	+35 to +85	152 to 202	1735K	49	69 to 94	49 to 86	124

Track 4



J.Culwell, 31-Dec-96, v0.02

Track 1



J.Culwell, 31-Dec-96, v0.02

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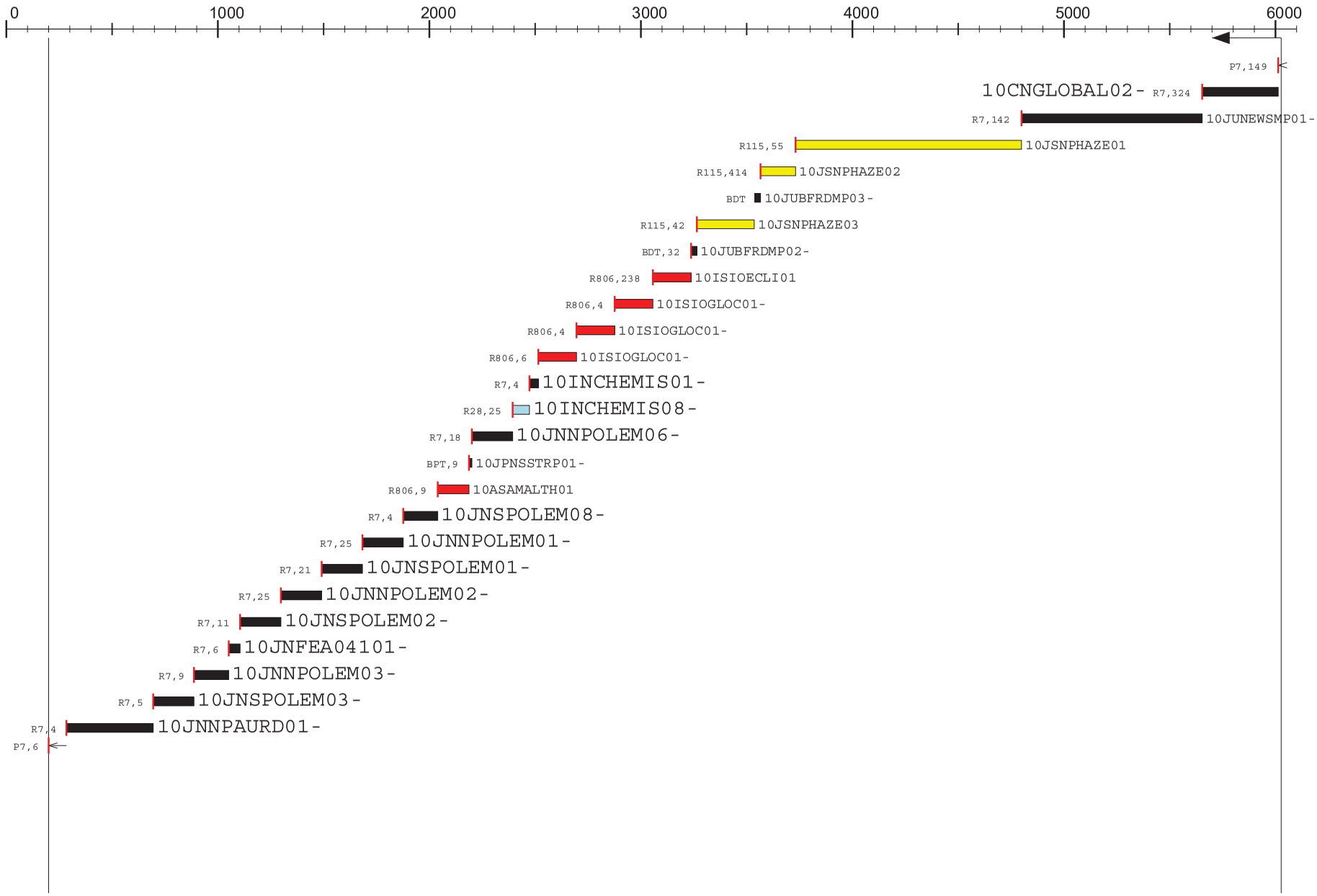

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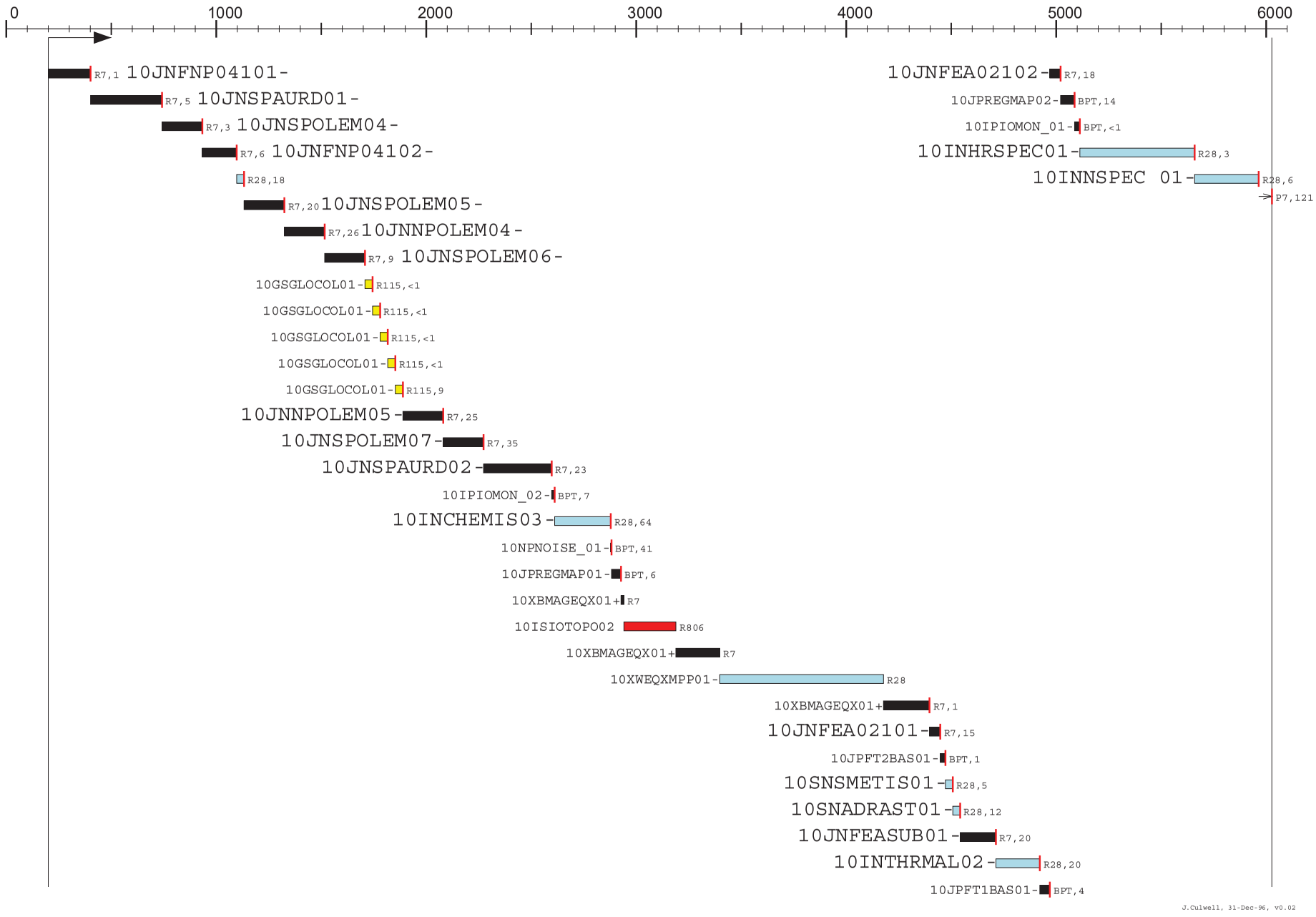
Track 3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10NPNOISE_01- BPT,41
10JPREGMAP01- BPT,6
10XBMAGEQX01+ R7
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10XWEQXMPP01- R28
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10JNFEA02101- R7,15
10JPFT2BAS01- BPT,1
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10SNADRAST01- R28,12
10JNFEASUB01- R7,20
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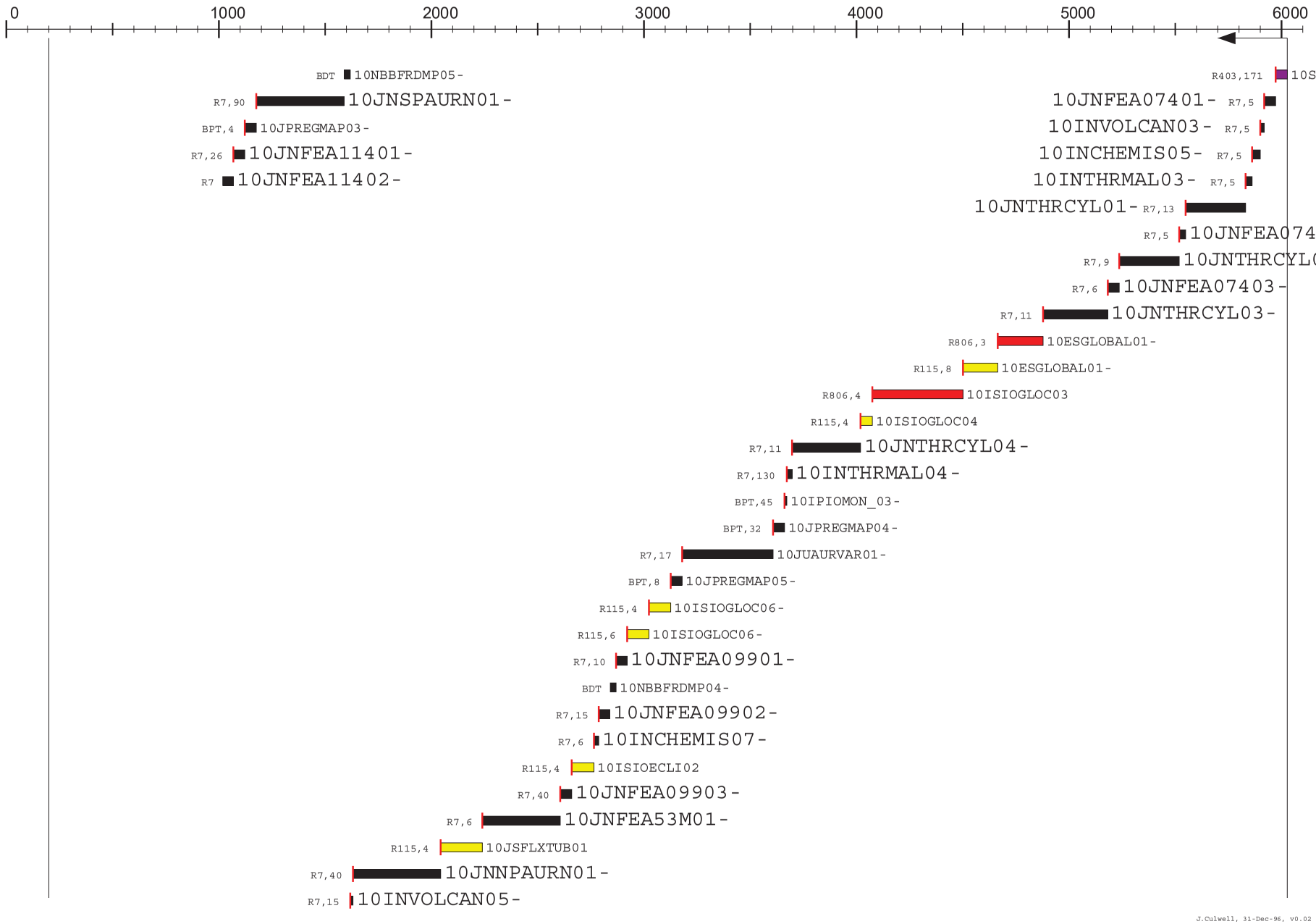

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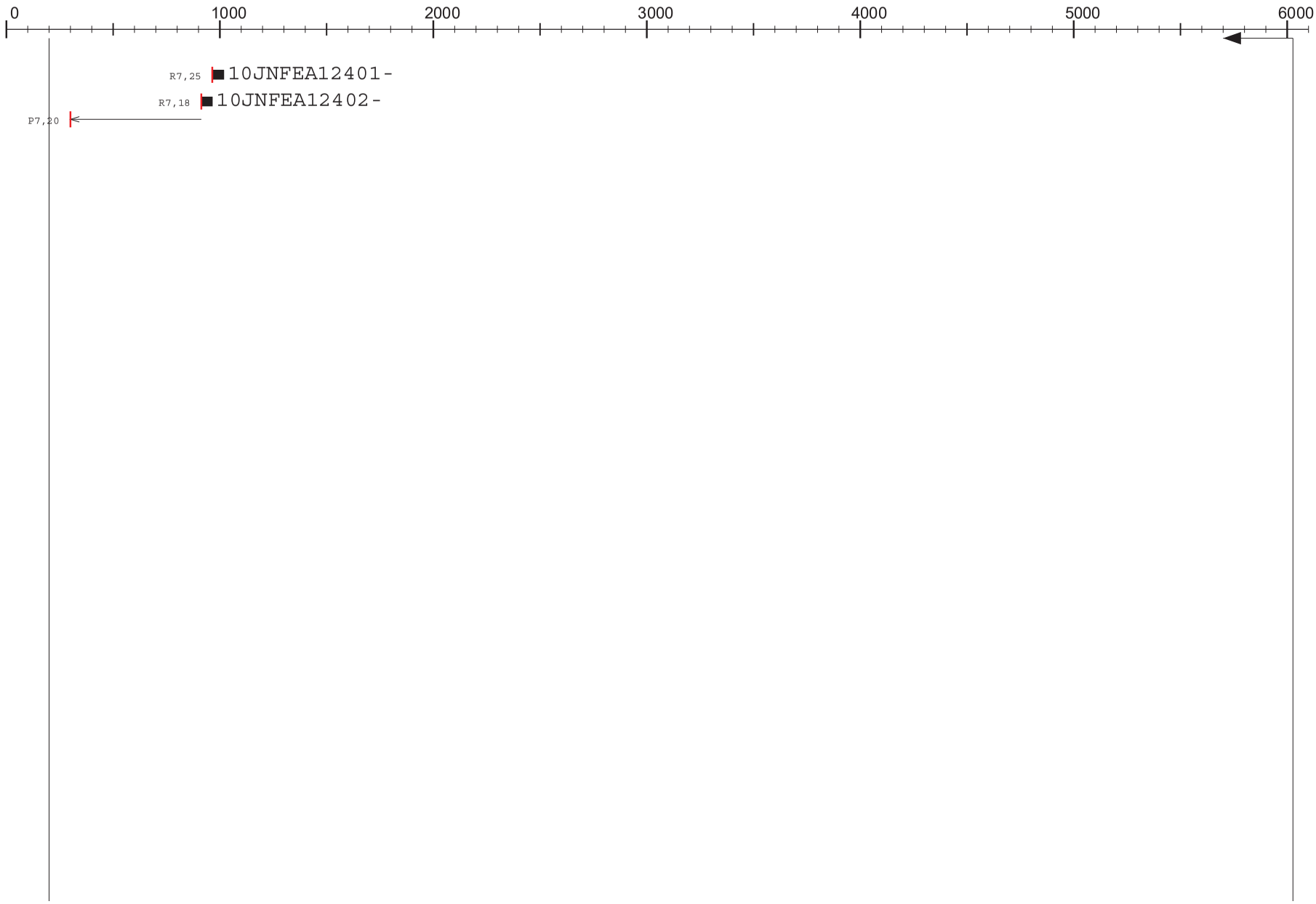
Phase 2A Tapemap of c10bme.tapemap-c
Date: Mon Sep 8 12:52:46 1997 Page: 1

Track 4



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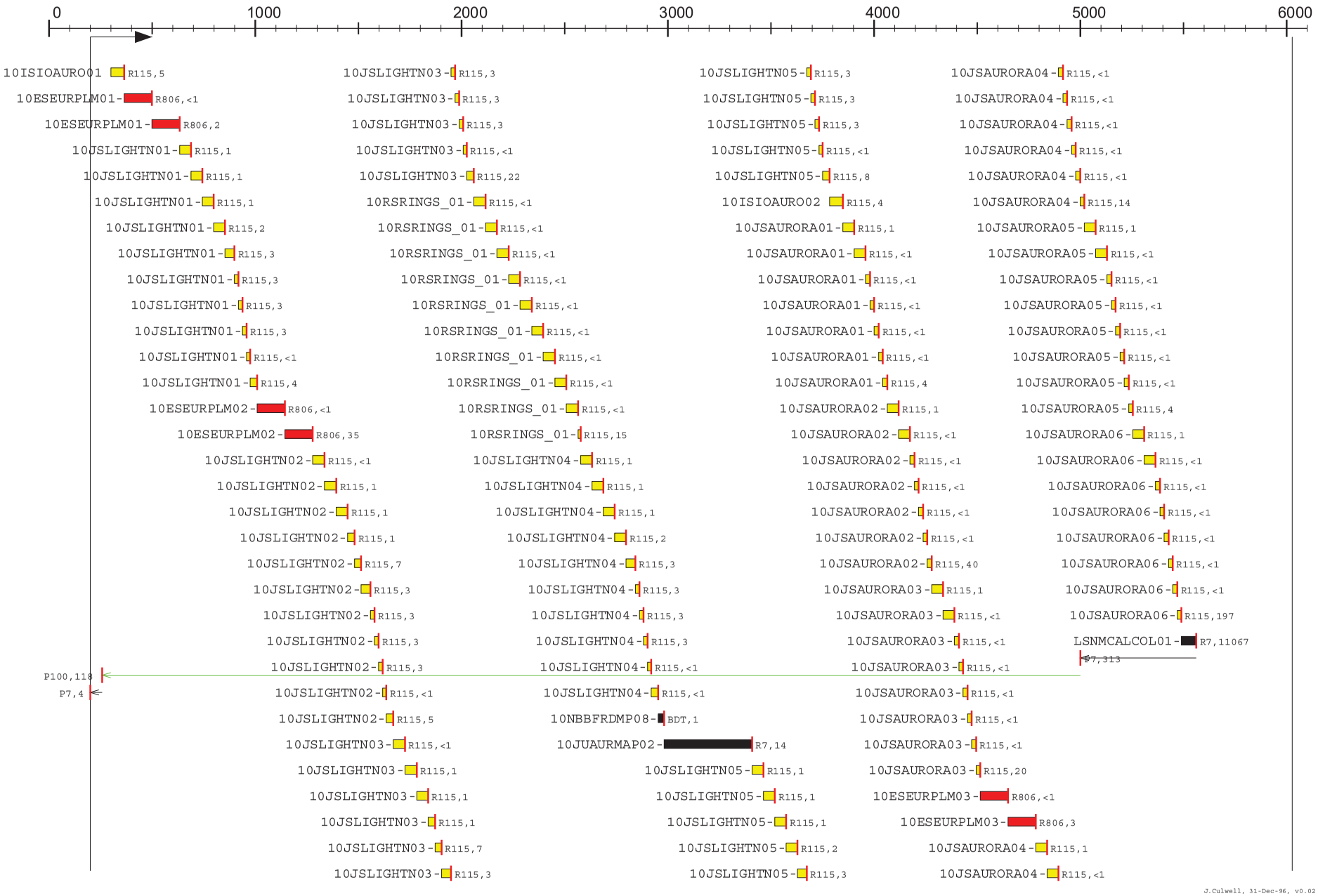
Track 3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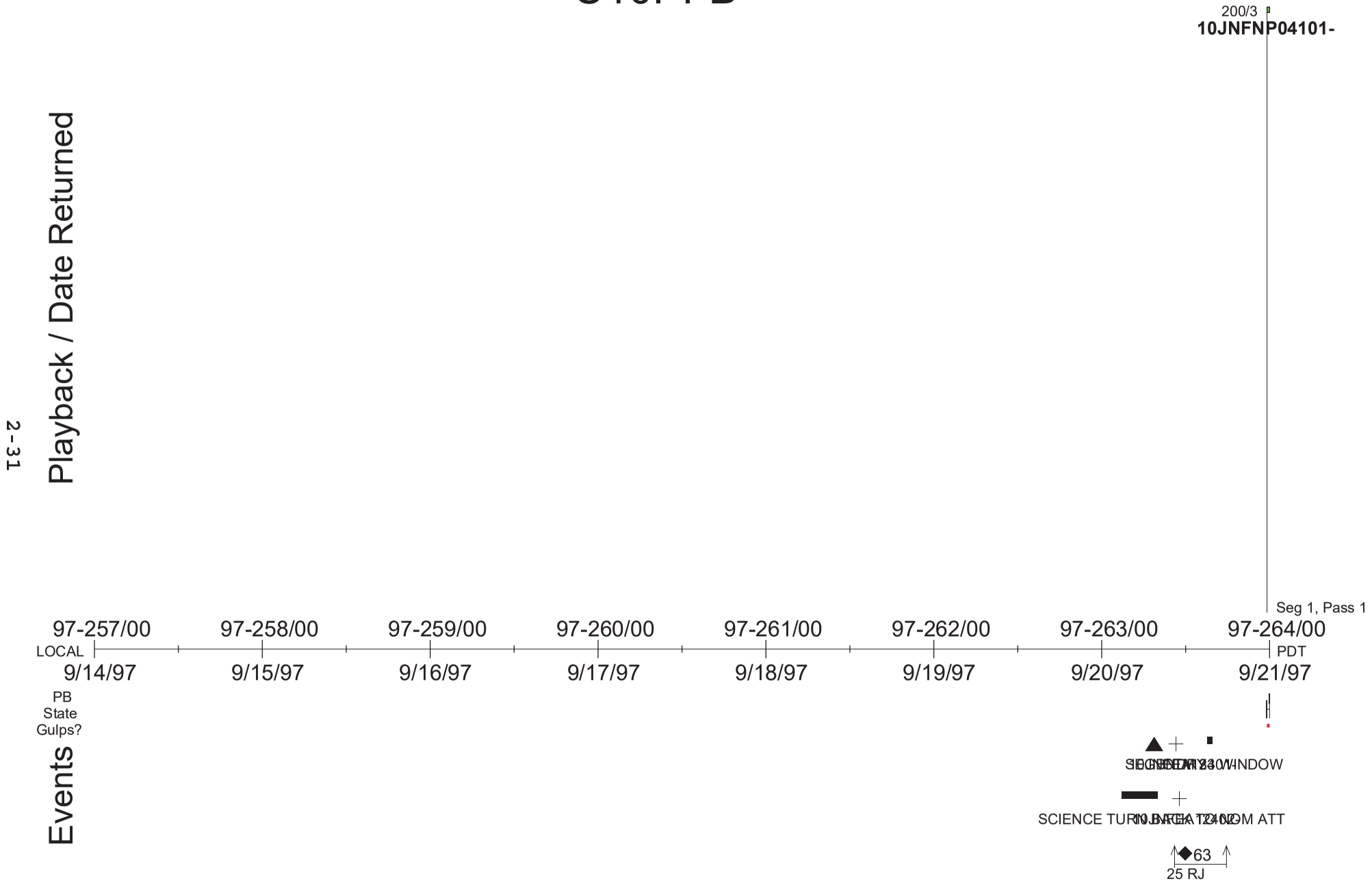
J.Culwell, 31-Dec-96, v0.02

C10PFB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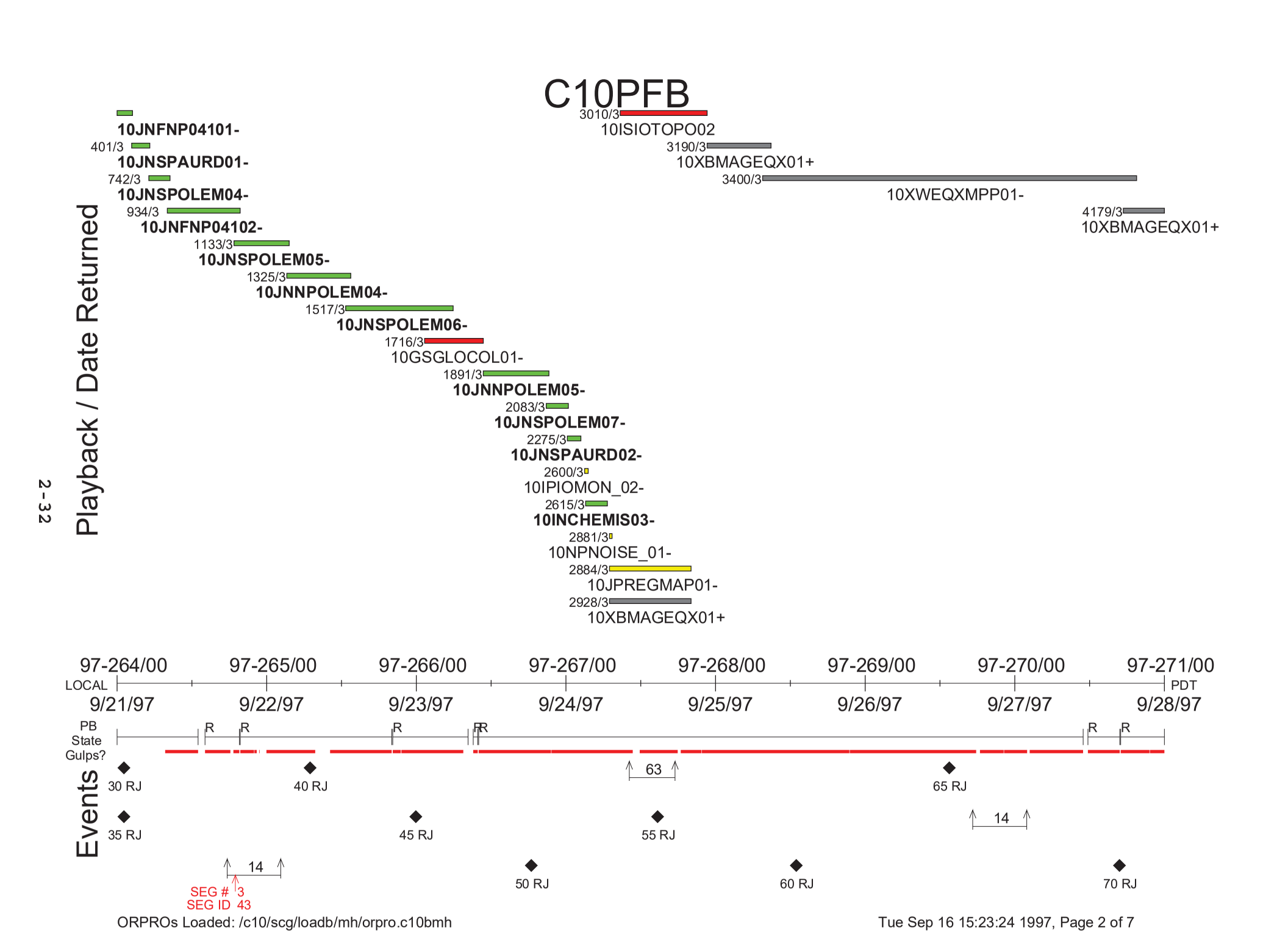

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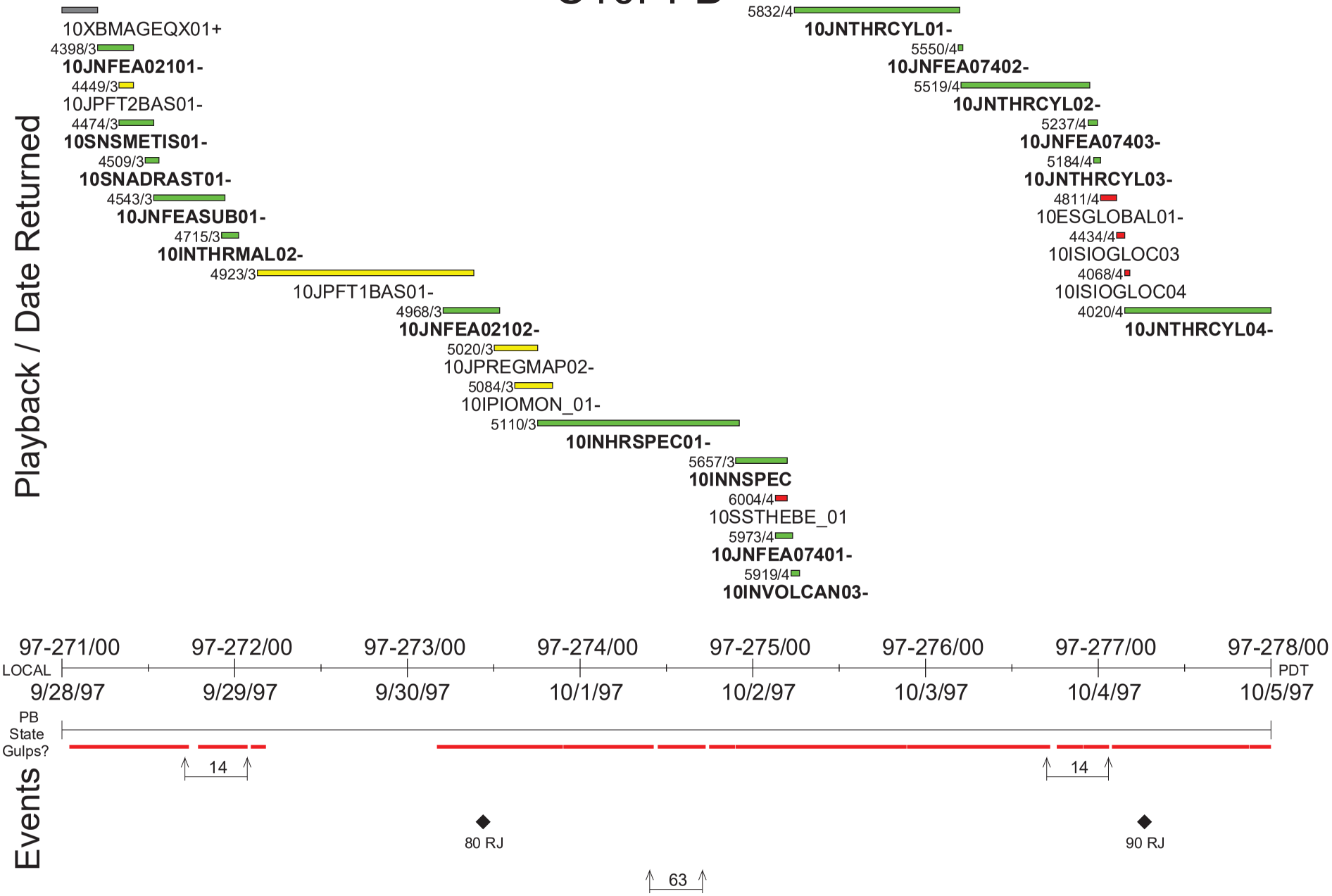
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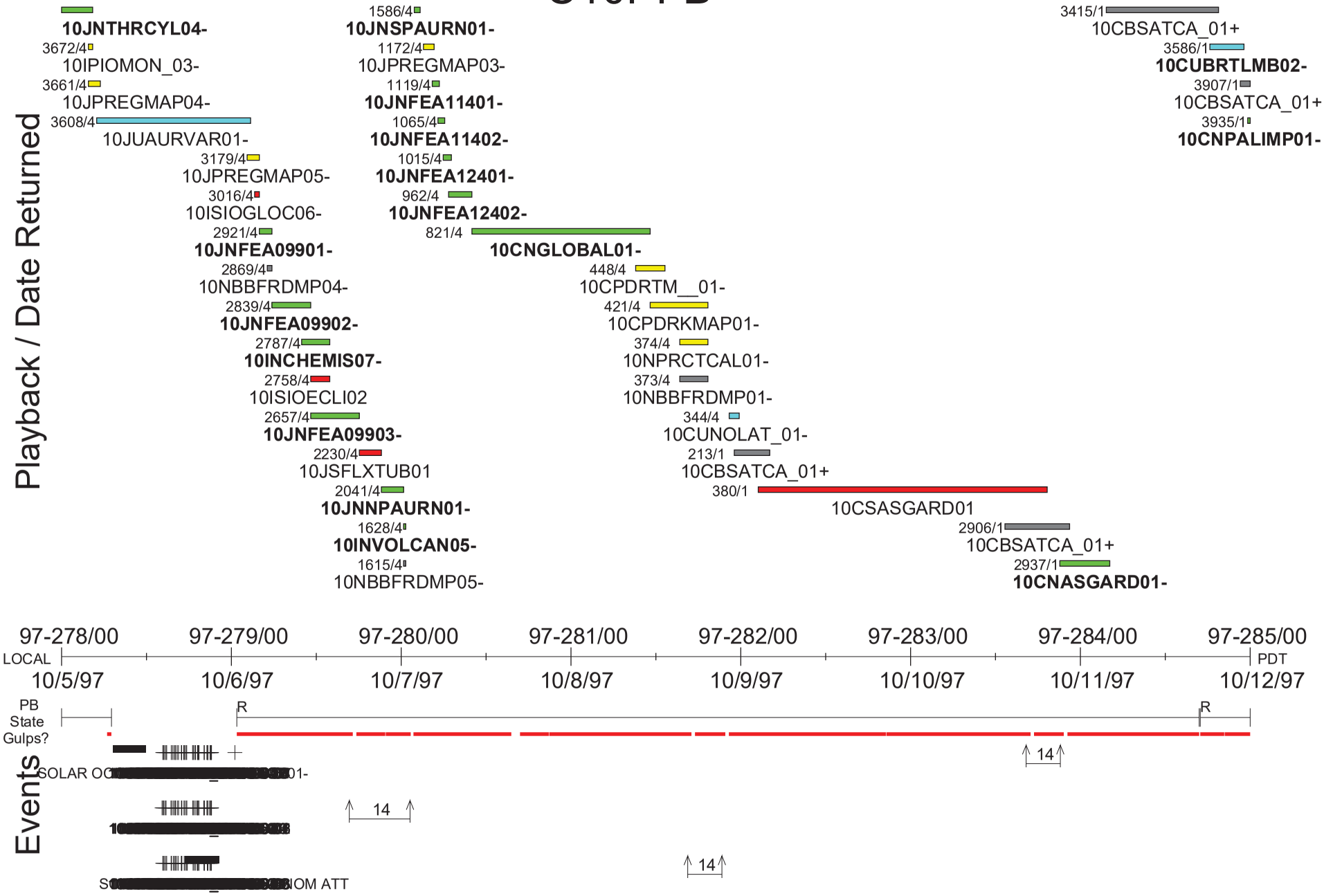
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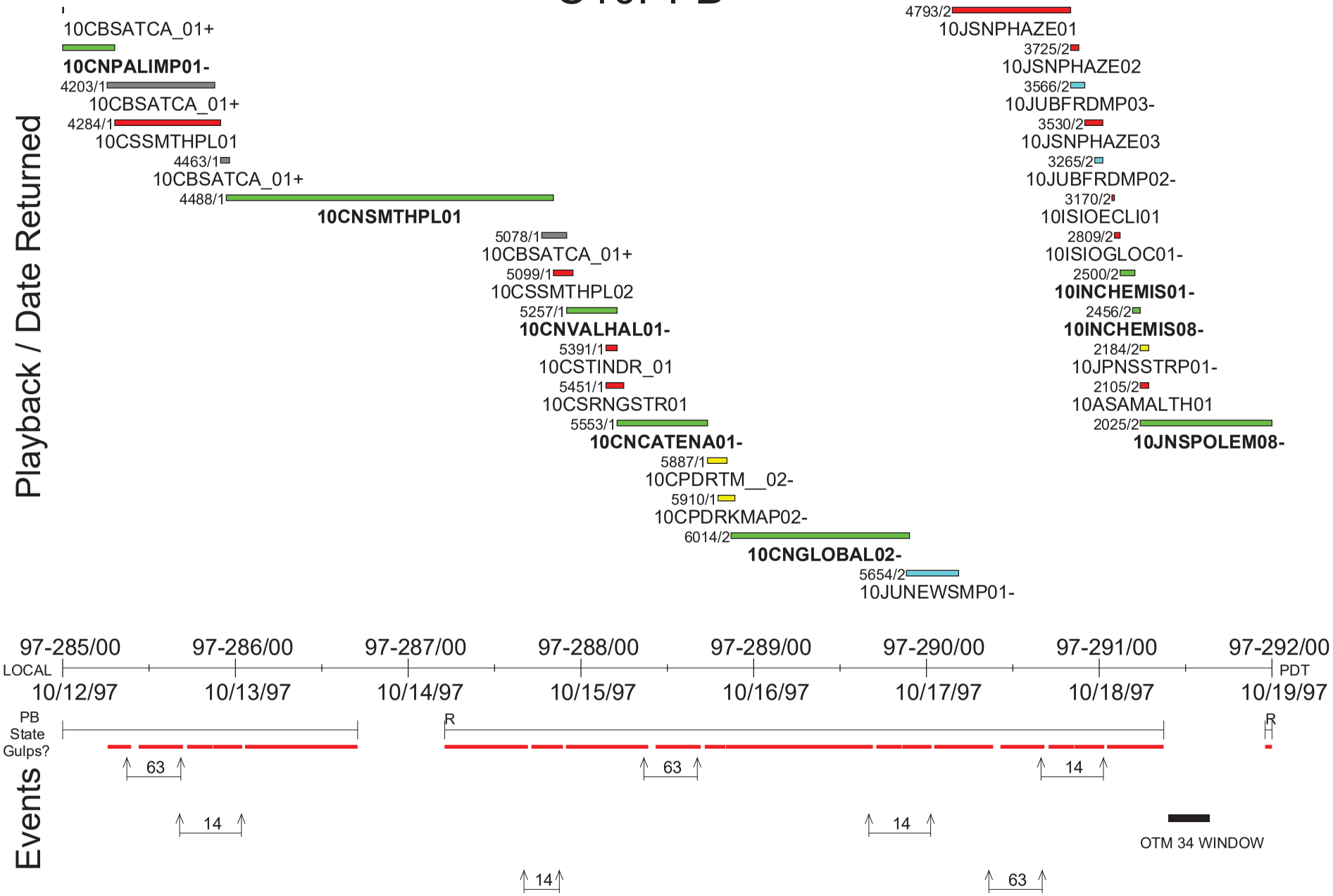
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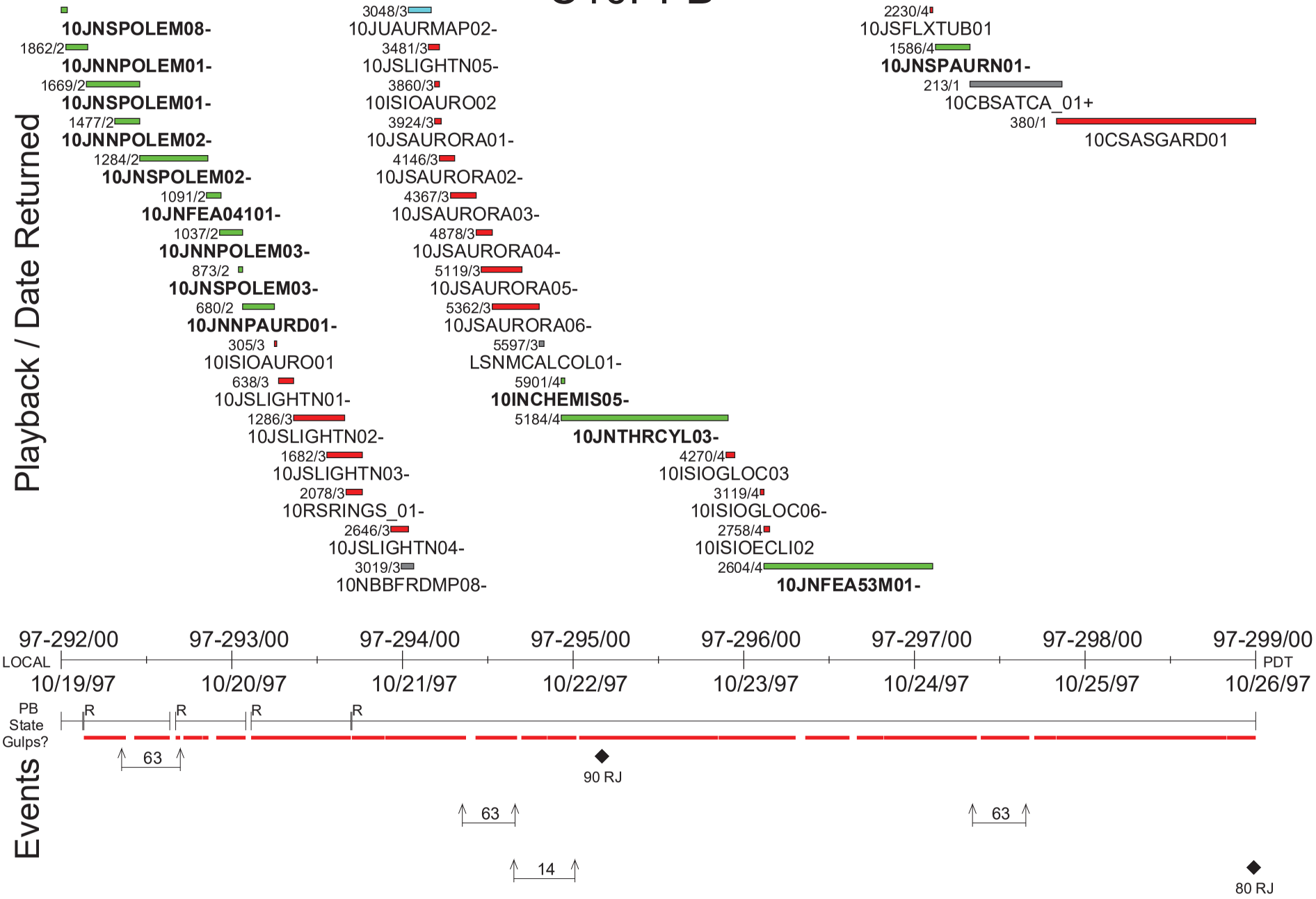
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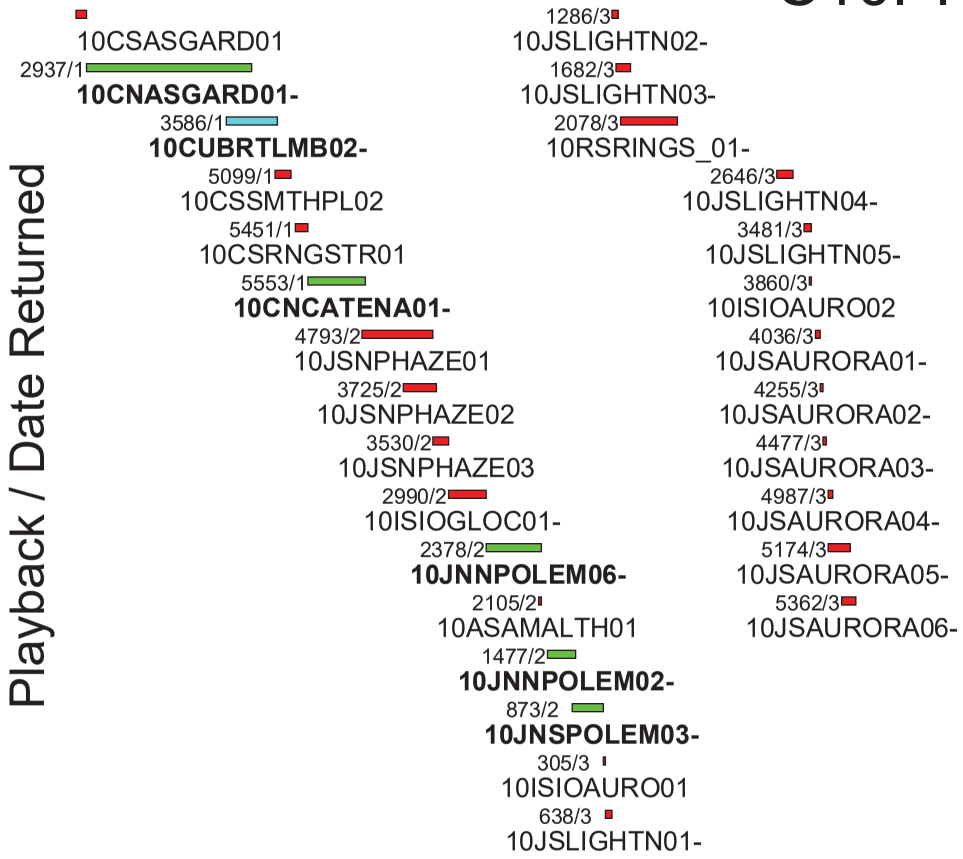
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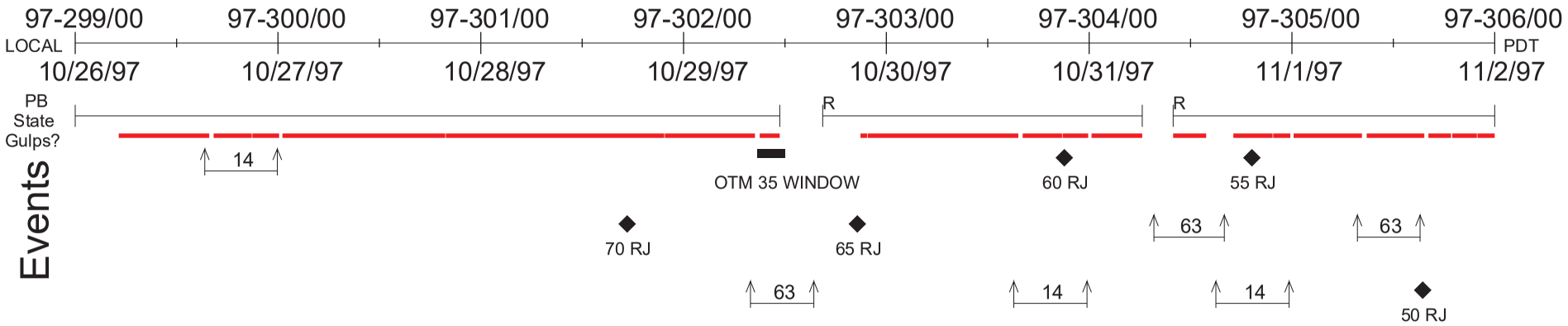
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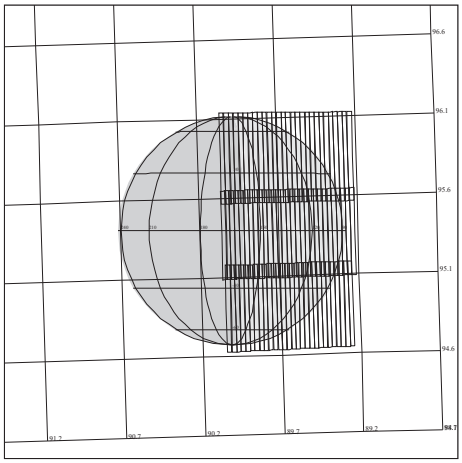

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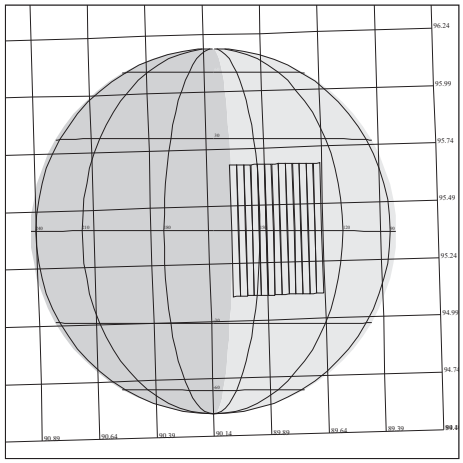

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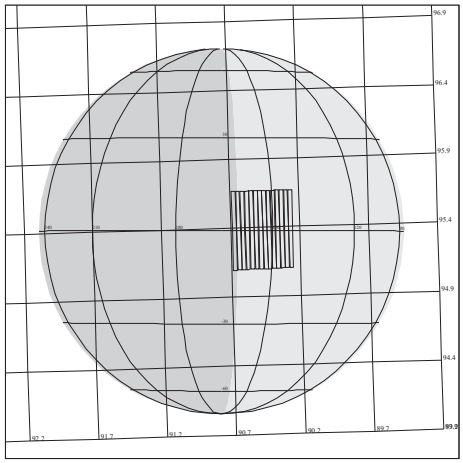

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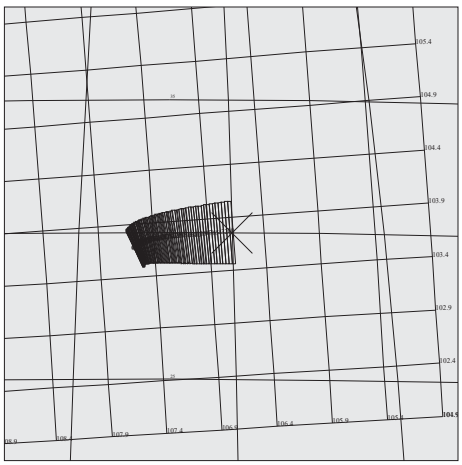

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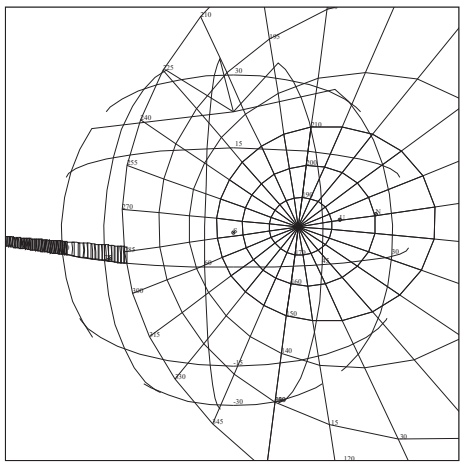

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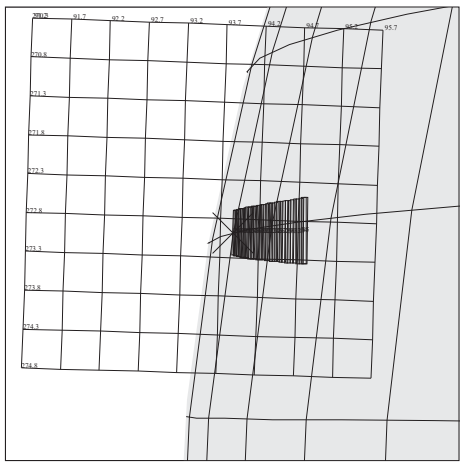

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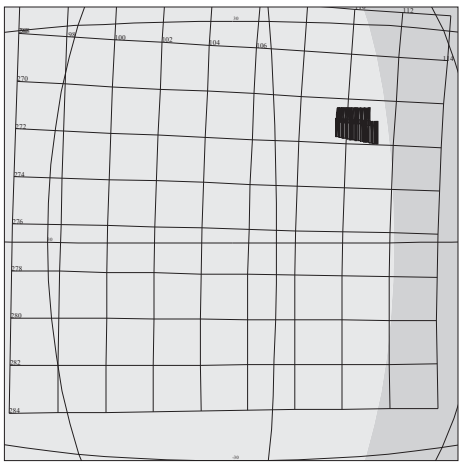

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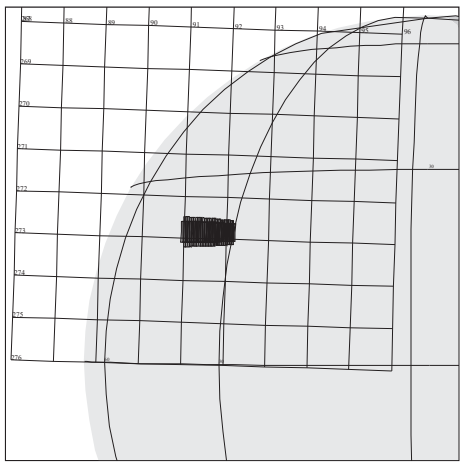

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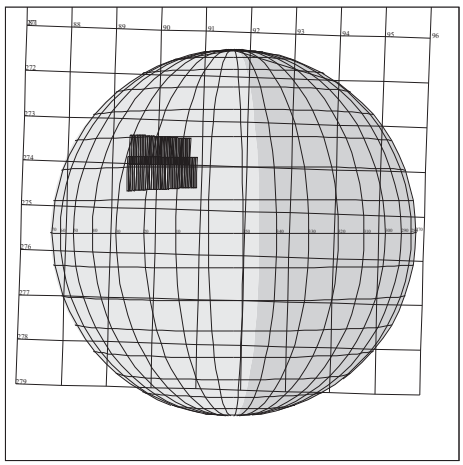

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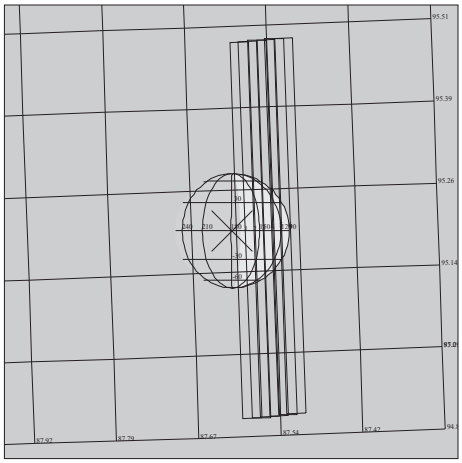

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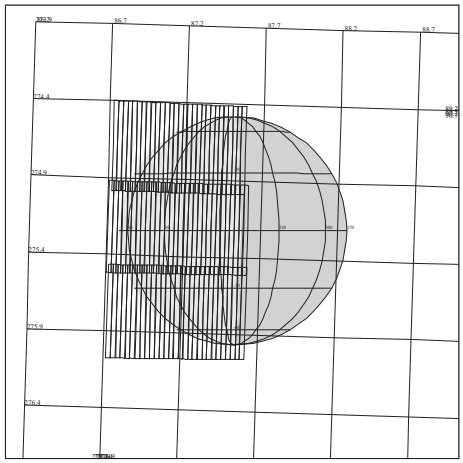

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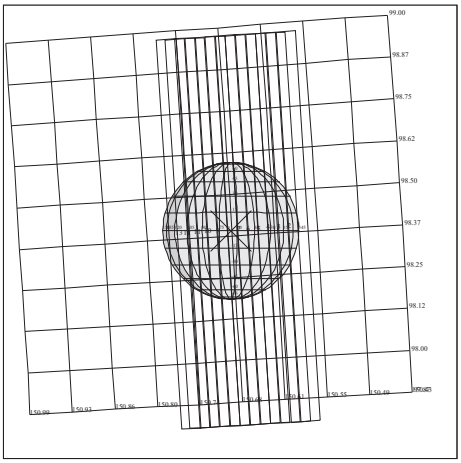

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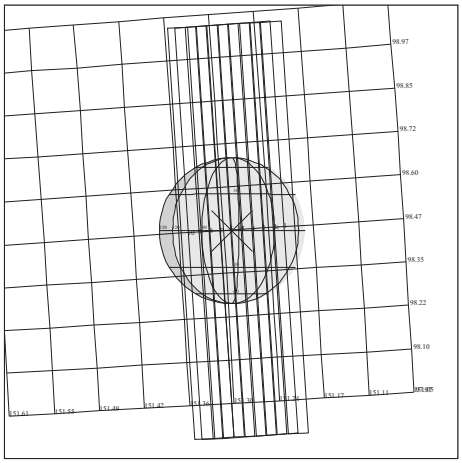

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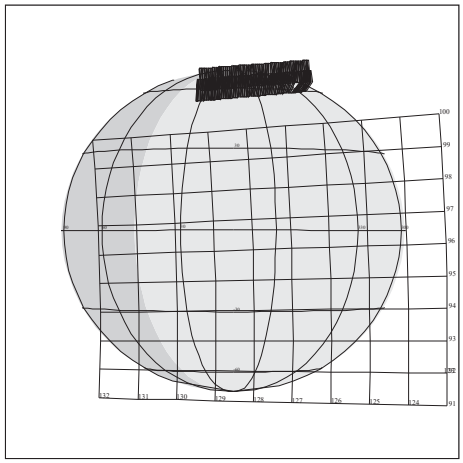

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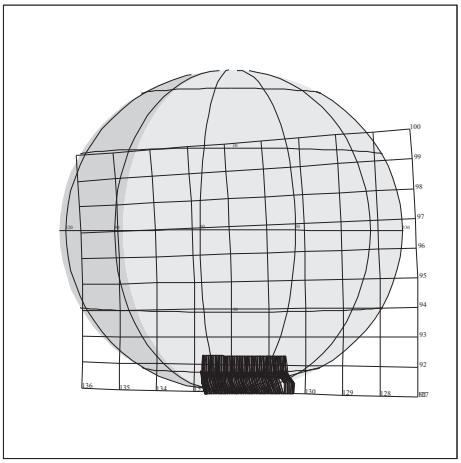

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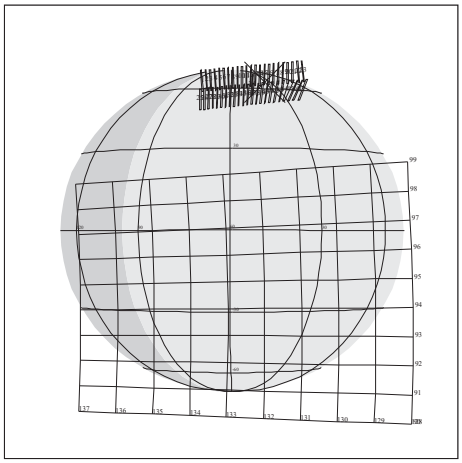

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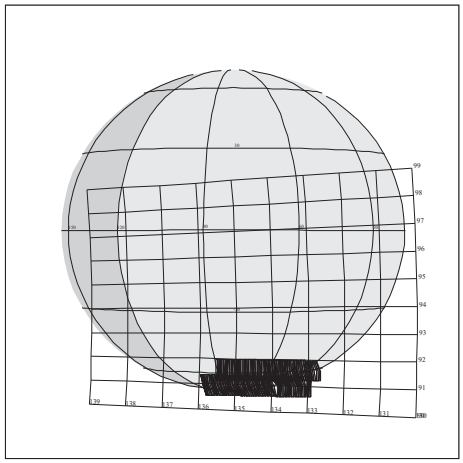

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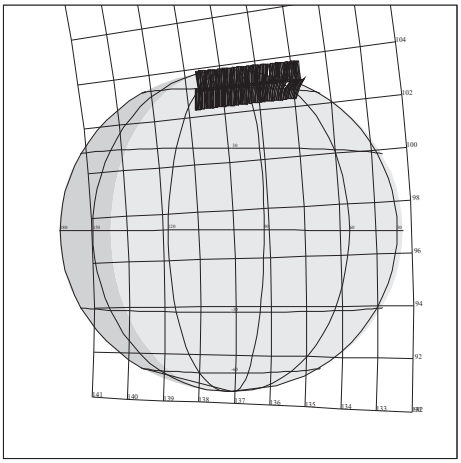

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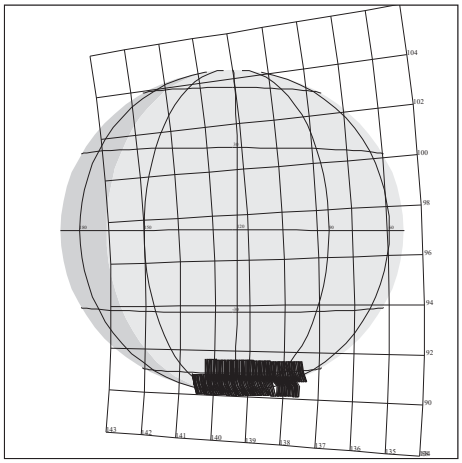

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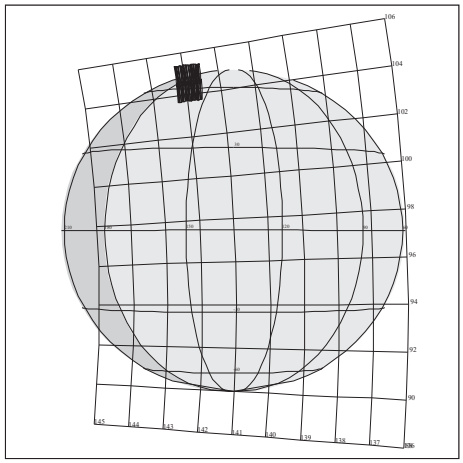

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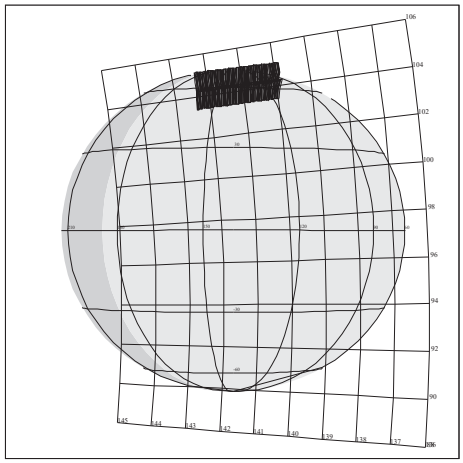

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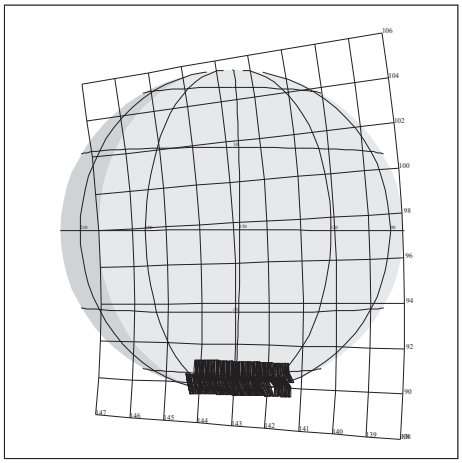

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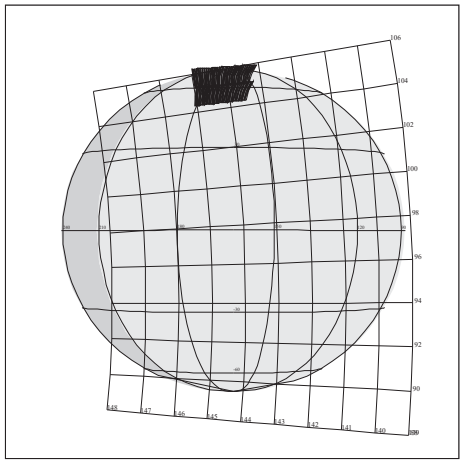

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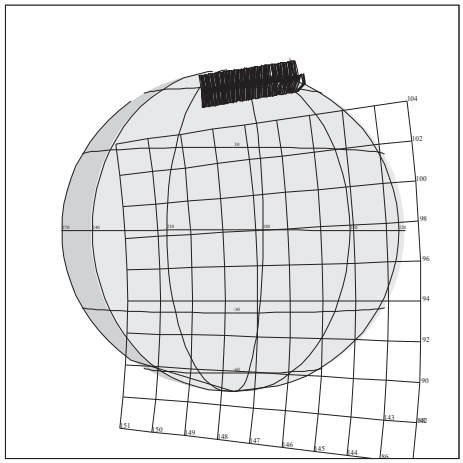

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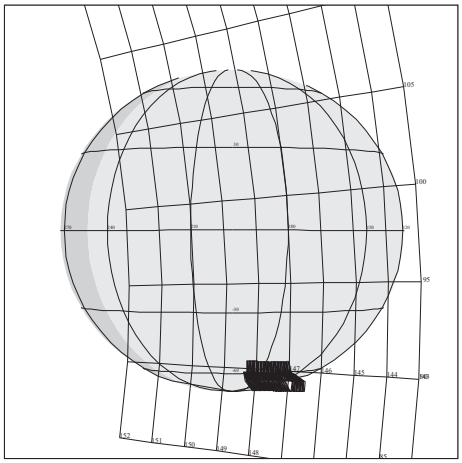

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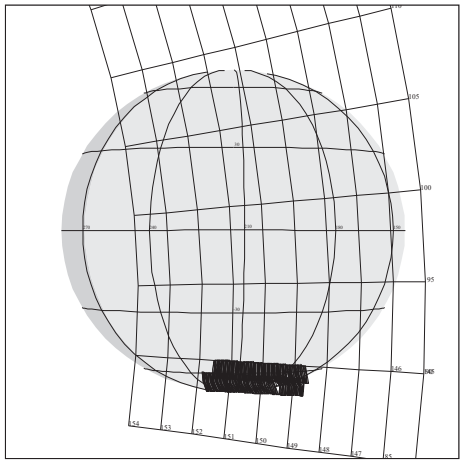

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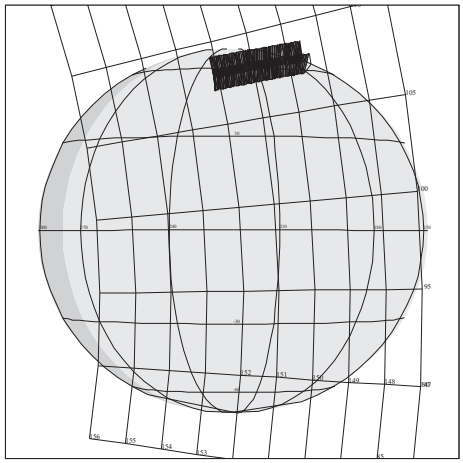

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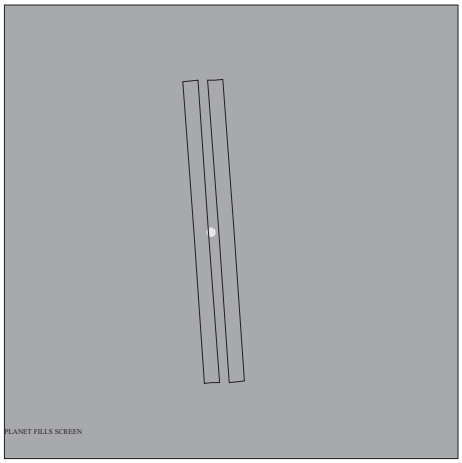

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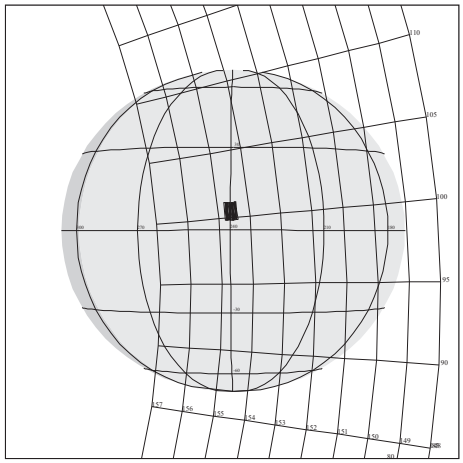

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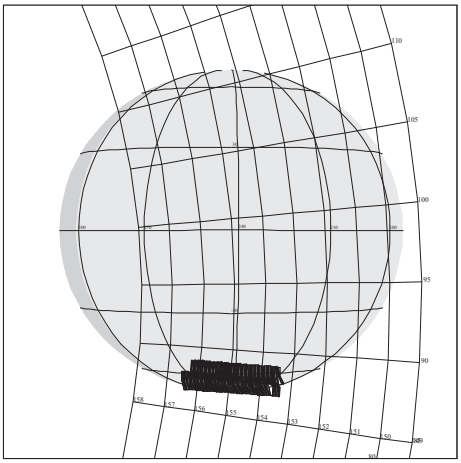

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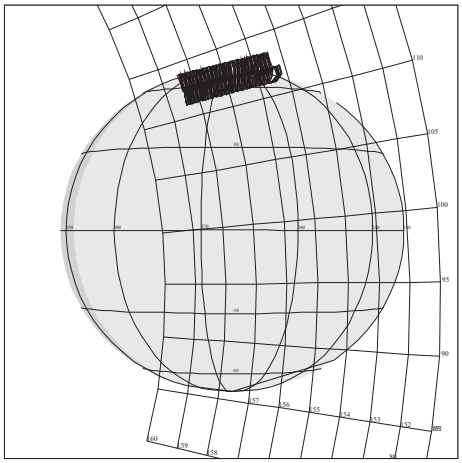

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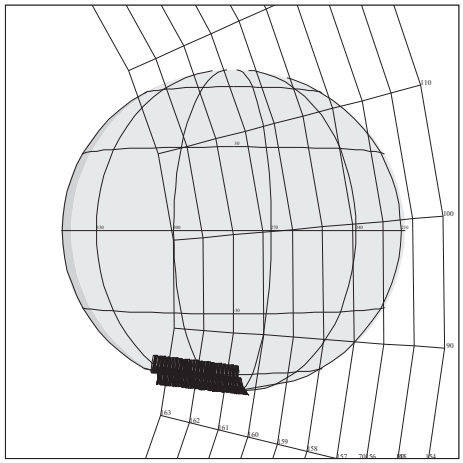

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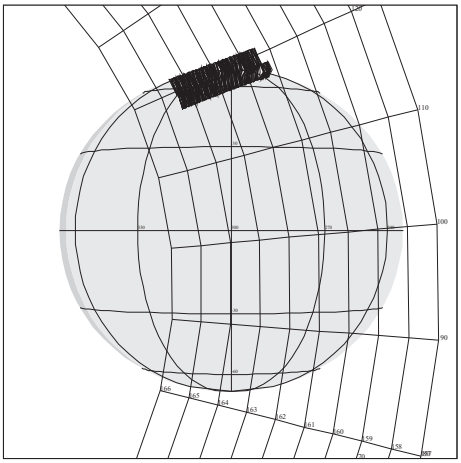

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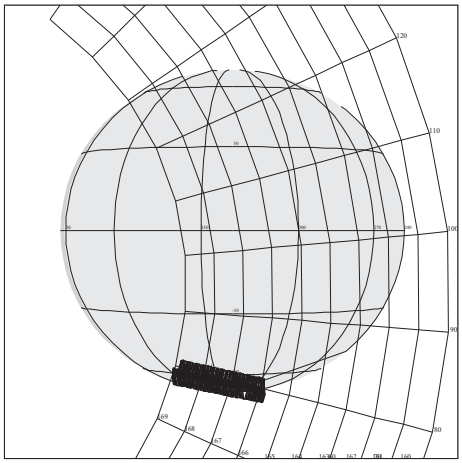

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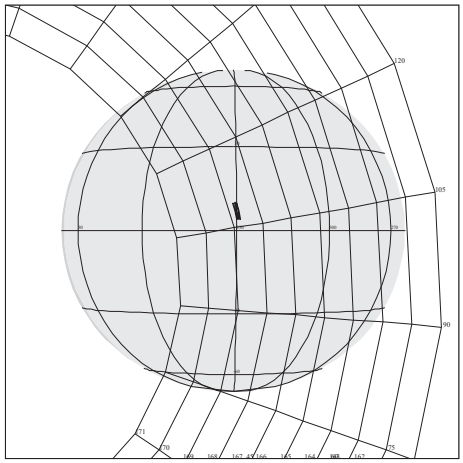

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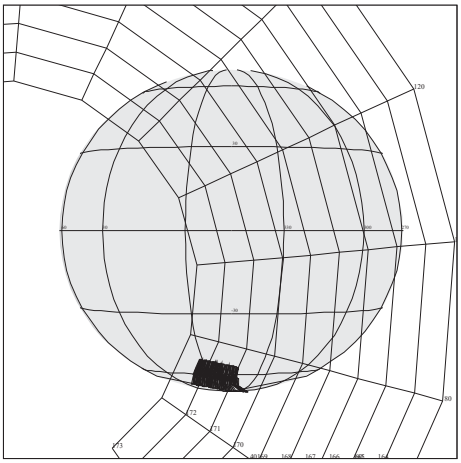

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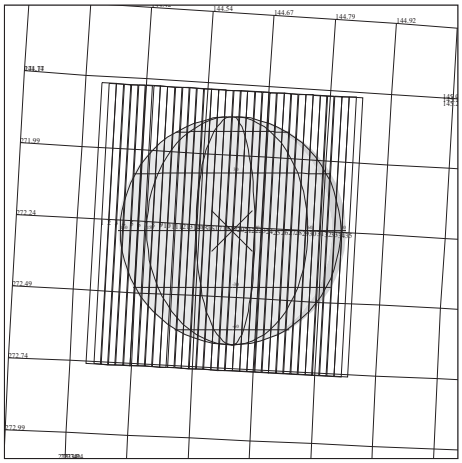

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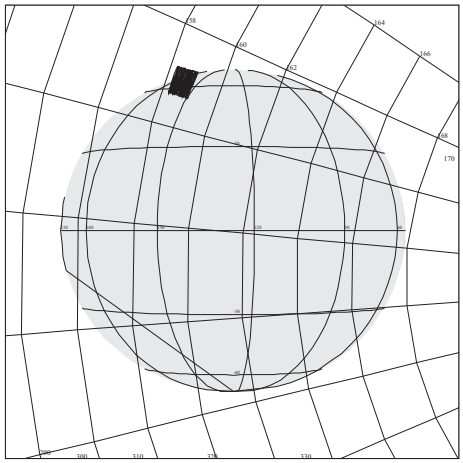

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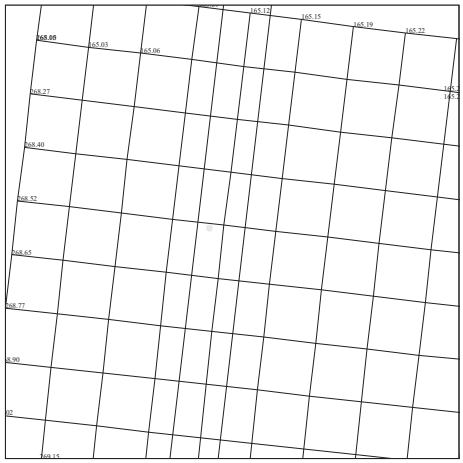

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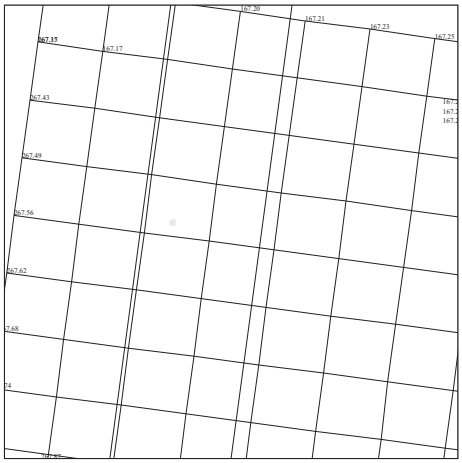

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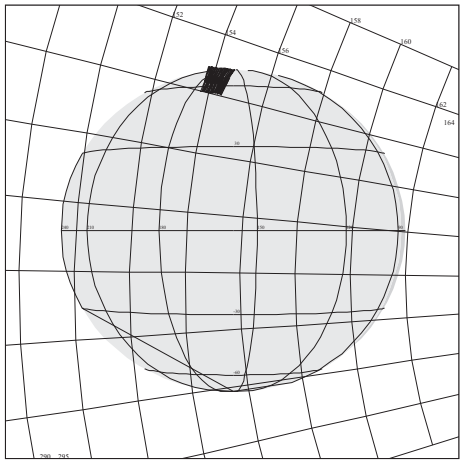

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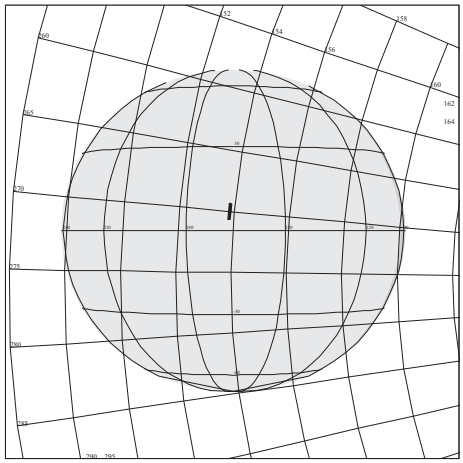

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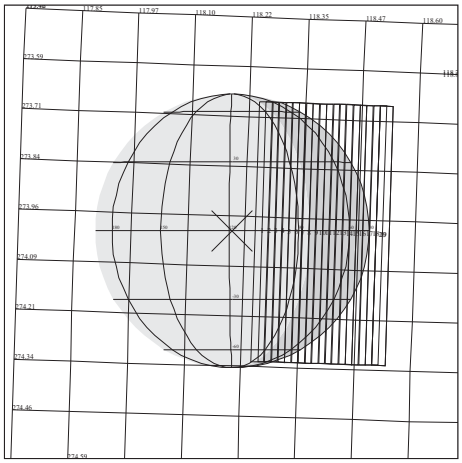

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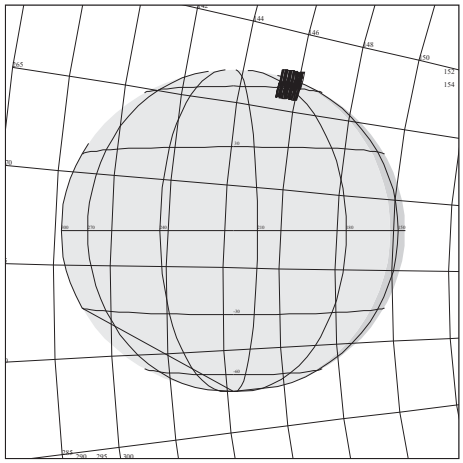

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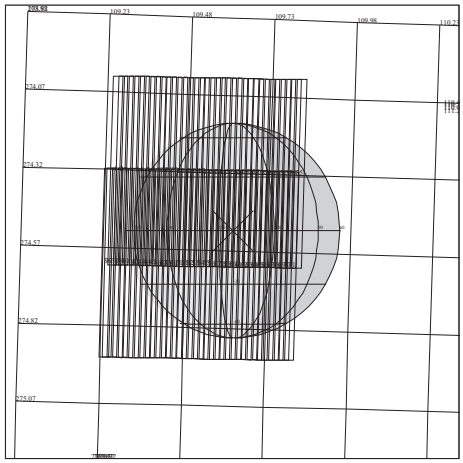

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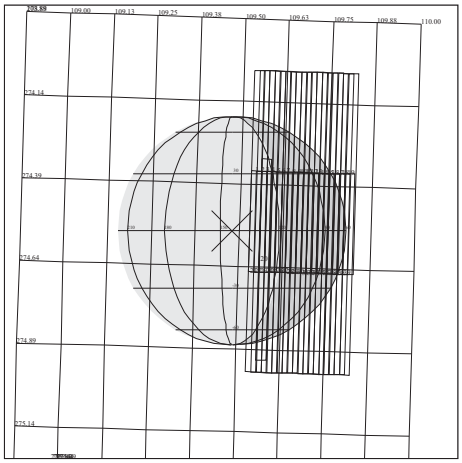

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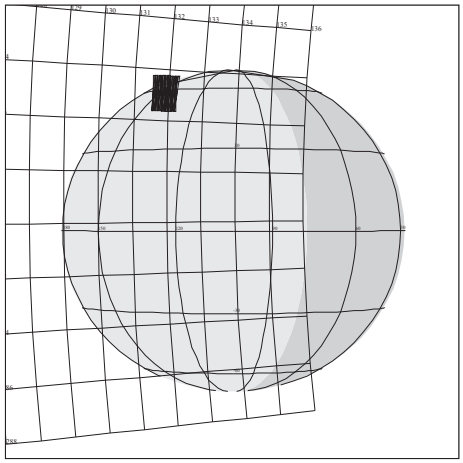

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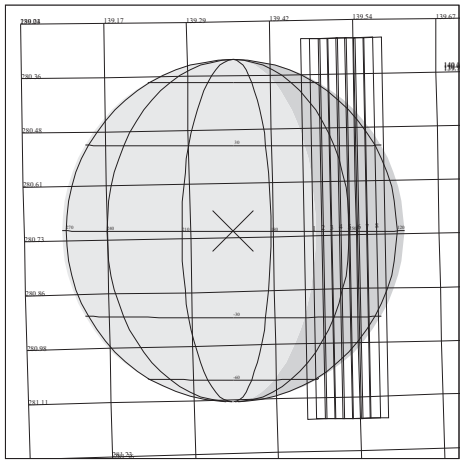

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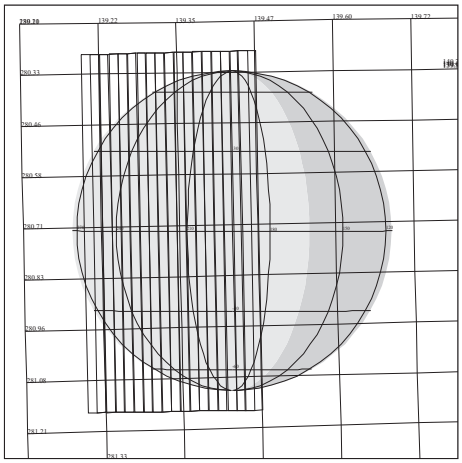

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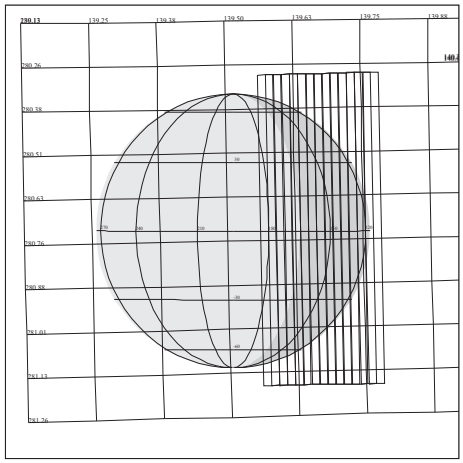

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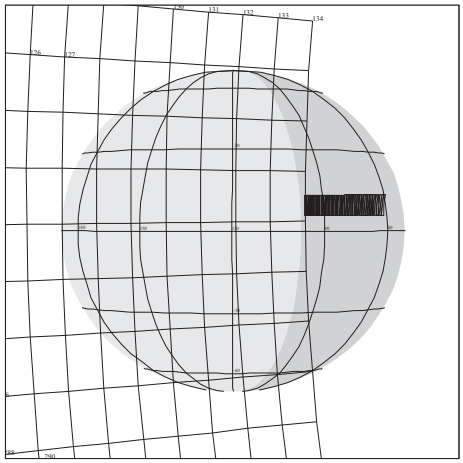

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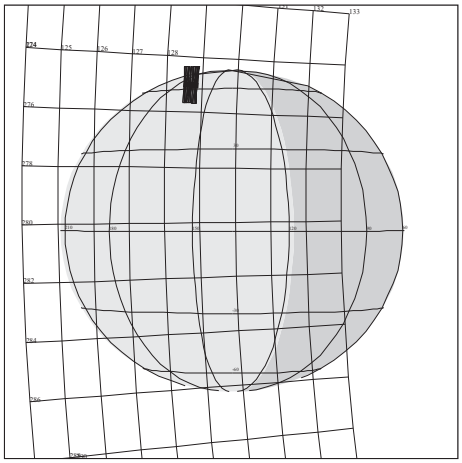

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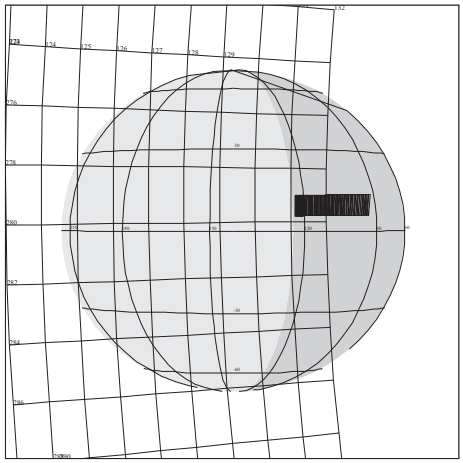

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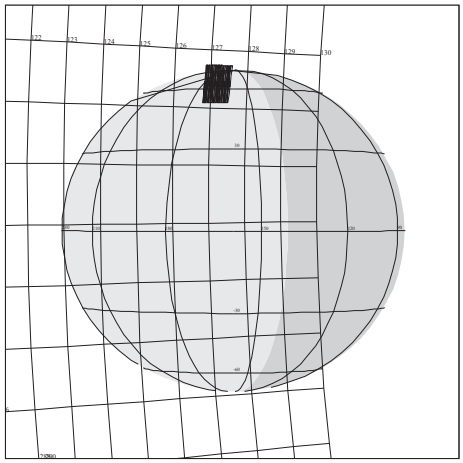

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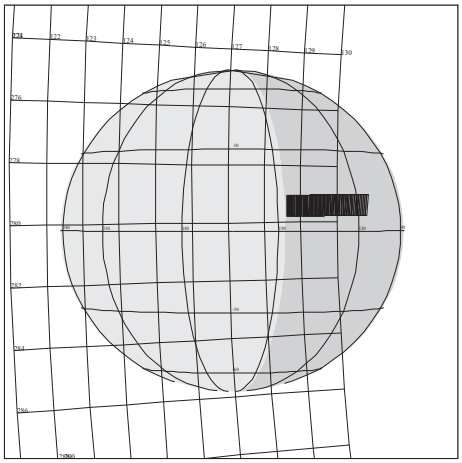

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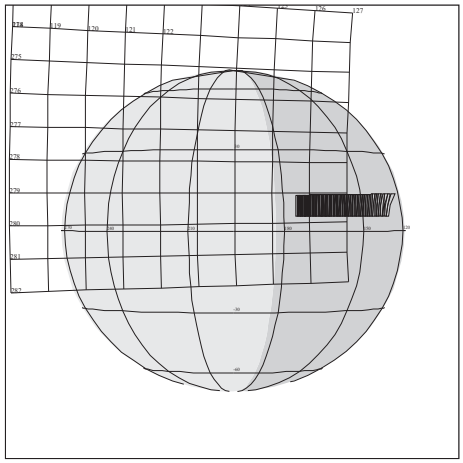

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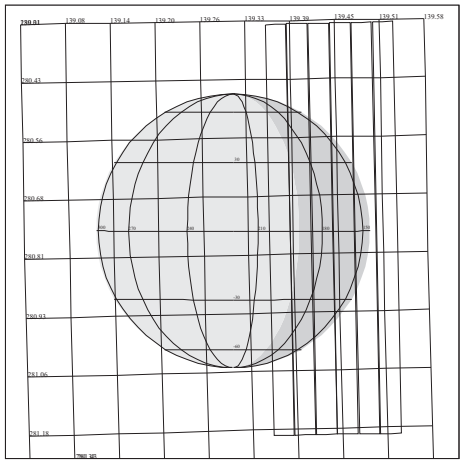

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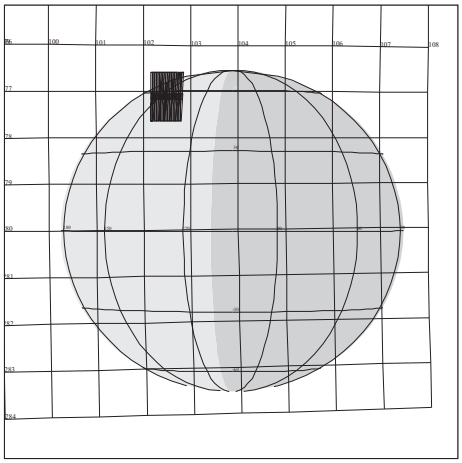

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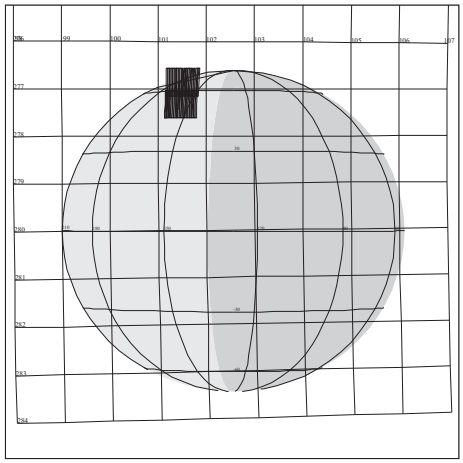

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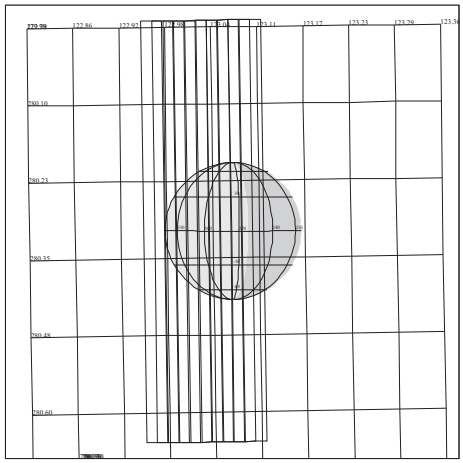

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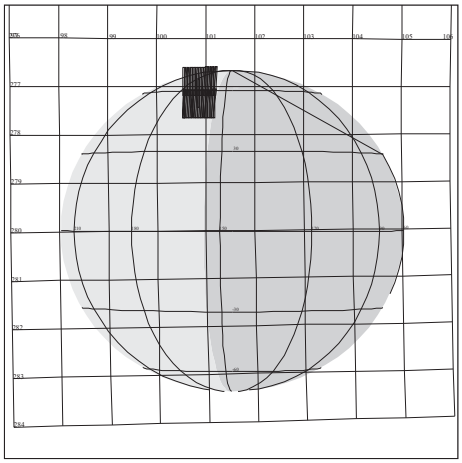

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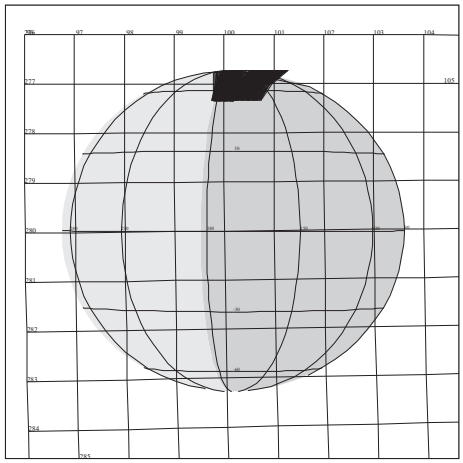

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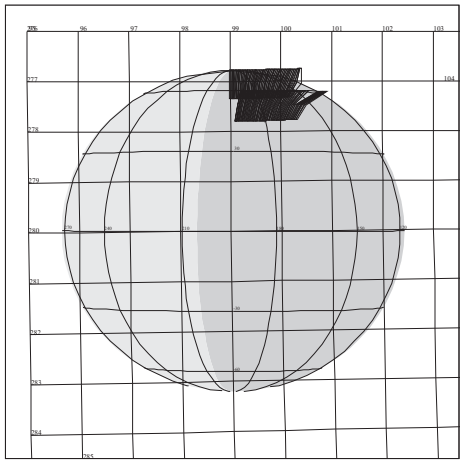

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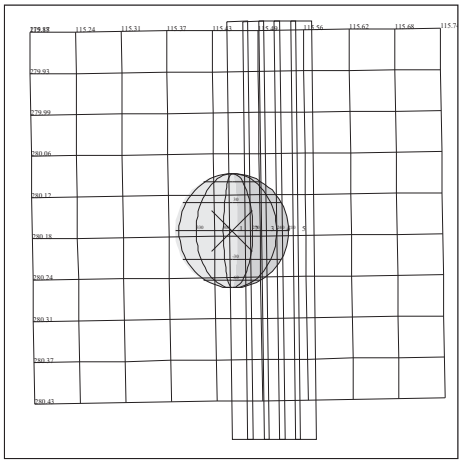

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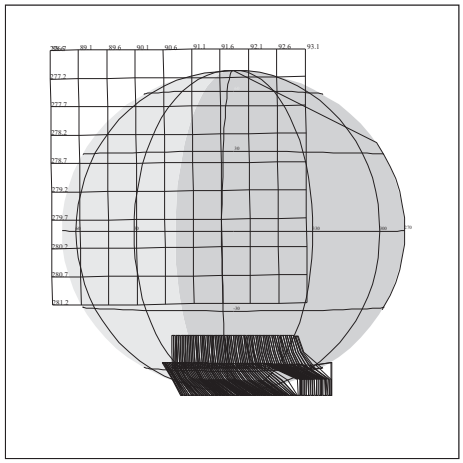

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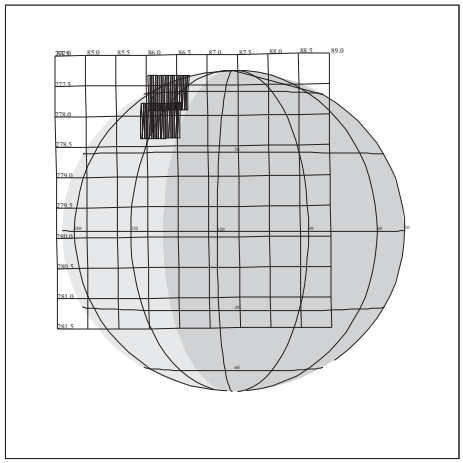

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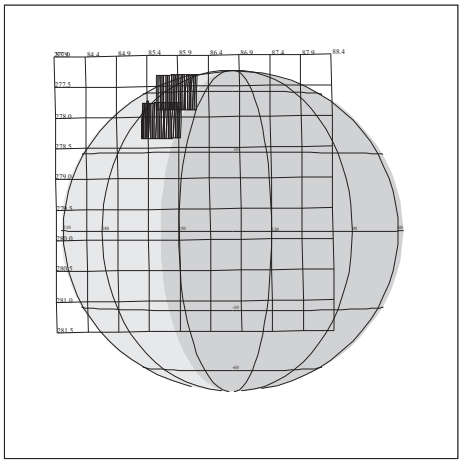

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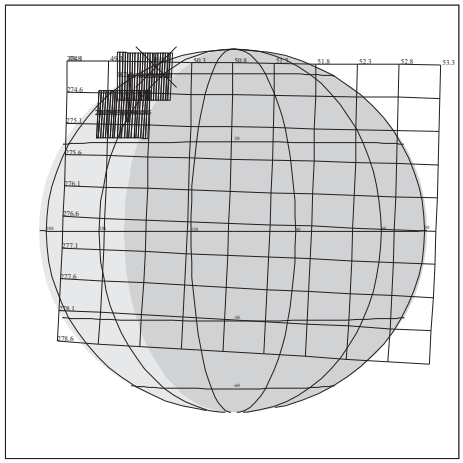

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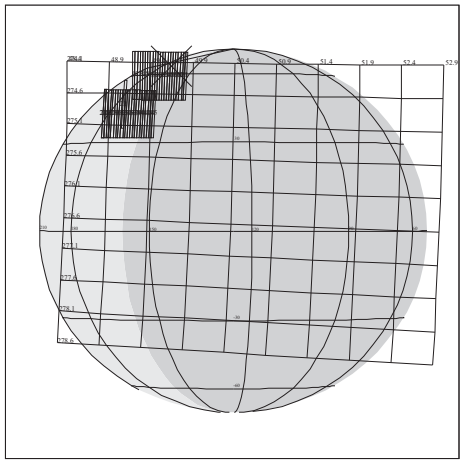

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Chapter 3 - Orbit Geometries

Contents

Introduction to Chapter 3

This chapter contains diagrams of various aspects of geometry for the C10 Orbit.

The figure on page 3 is a North Trajectory Pole View of the C10 Orbit from apoapsis to apoapsis.

The figure on page 4 is a North Trajectory Pole View of the C10 Orbit from +/- 5 days of Callisto closest approach.

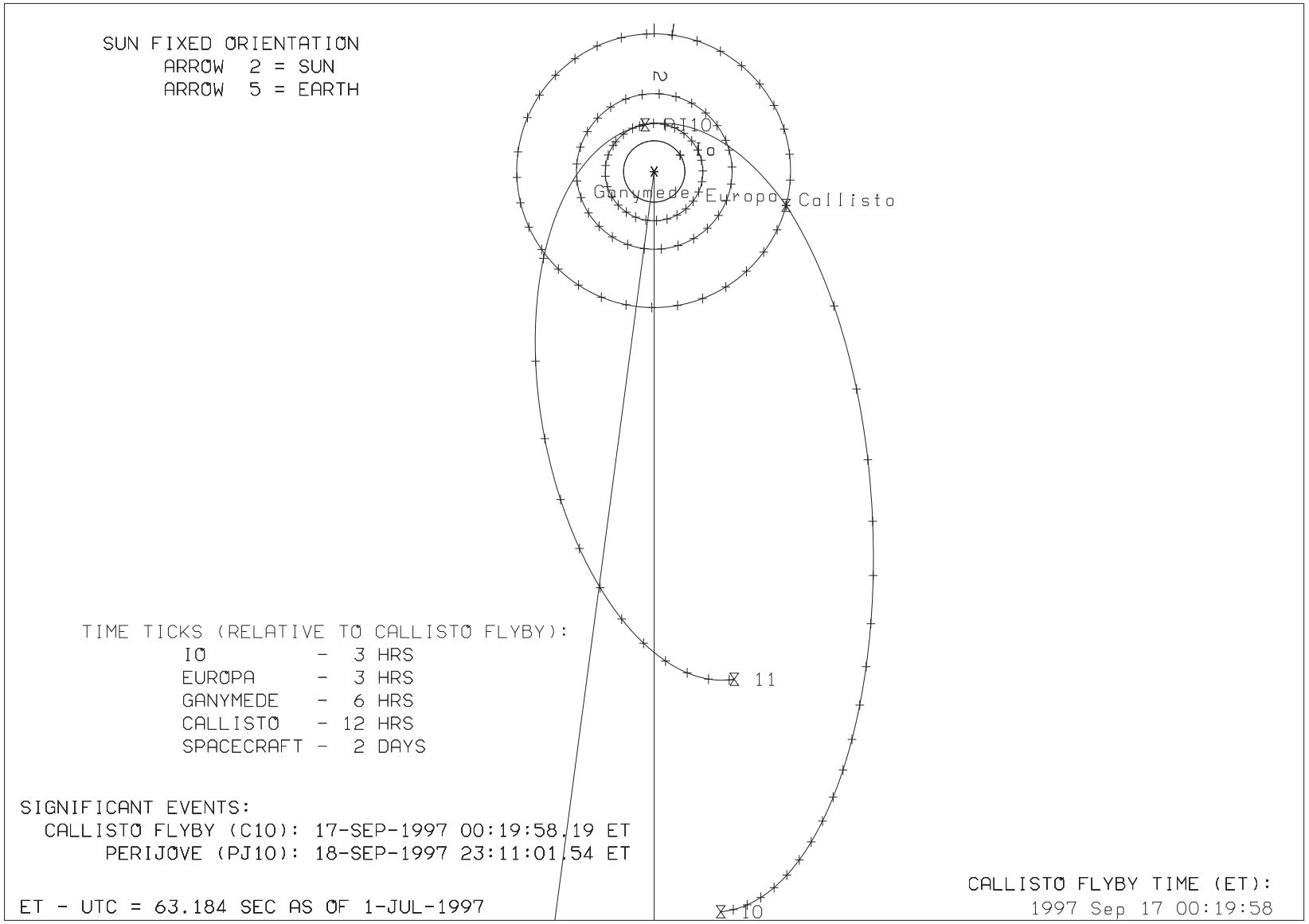
The figure on page 5 is a North Trajectory Pole View of the C10 Orbit from +/- 1 day of Callisto closest approach.

The figure on page 6 shows the spacecraft's groundtrack on Callisto at Callisto closest approach.

The figure on page 7 shows the spacecraft's groundtrack on Jupiter at Jupiter closest approach.

The figure on page 8 is a North Trajectory Pole View of the C10 Orbit from +/- 1 hour of Callisto closest approach.

Jupiter 10: North Traj Pole View (C10 Apo to Apo)



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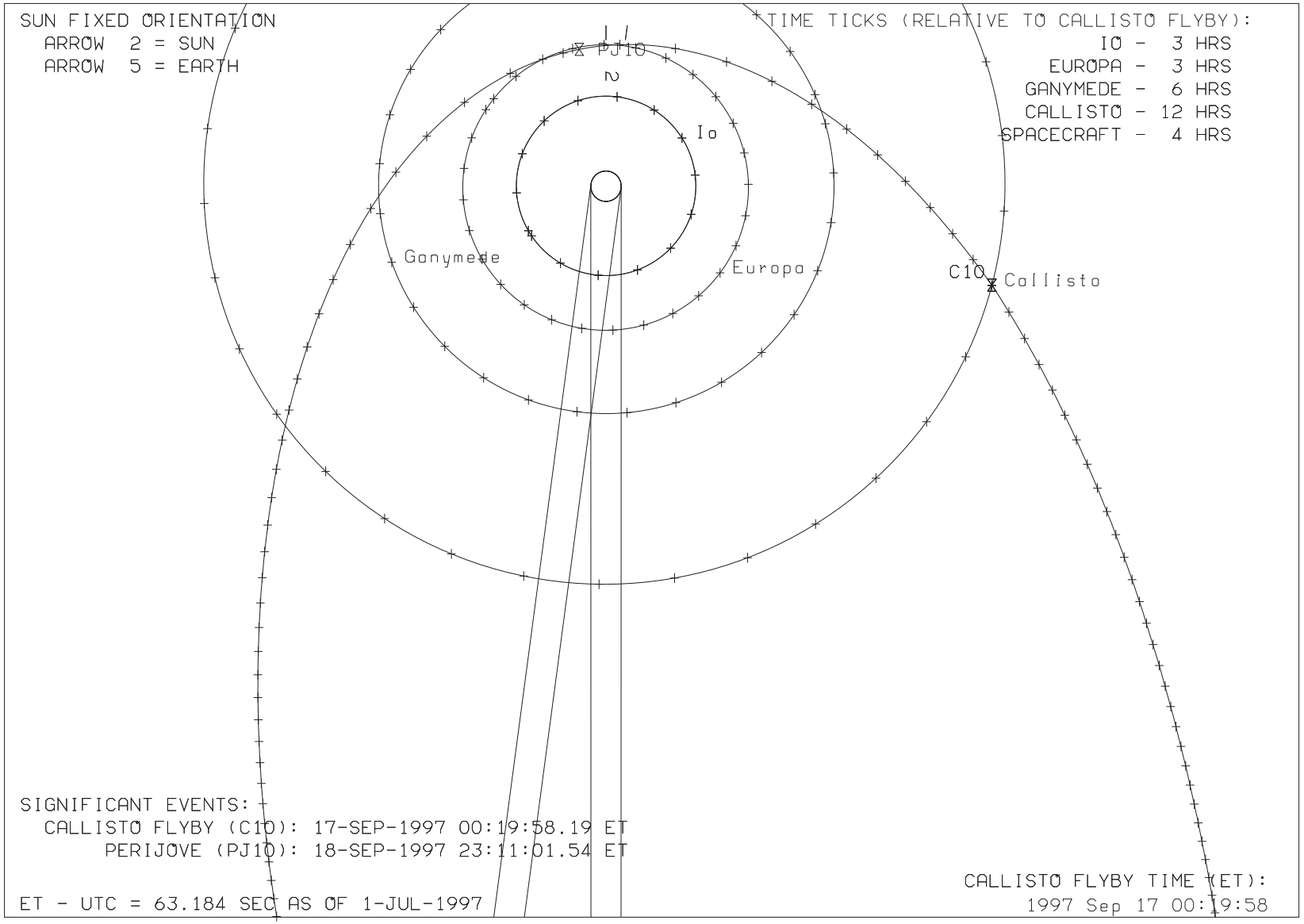
Jupiter 10: North Traj Pole View (C10 +/- 5 days)



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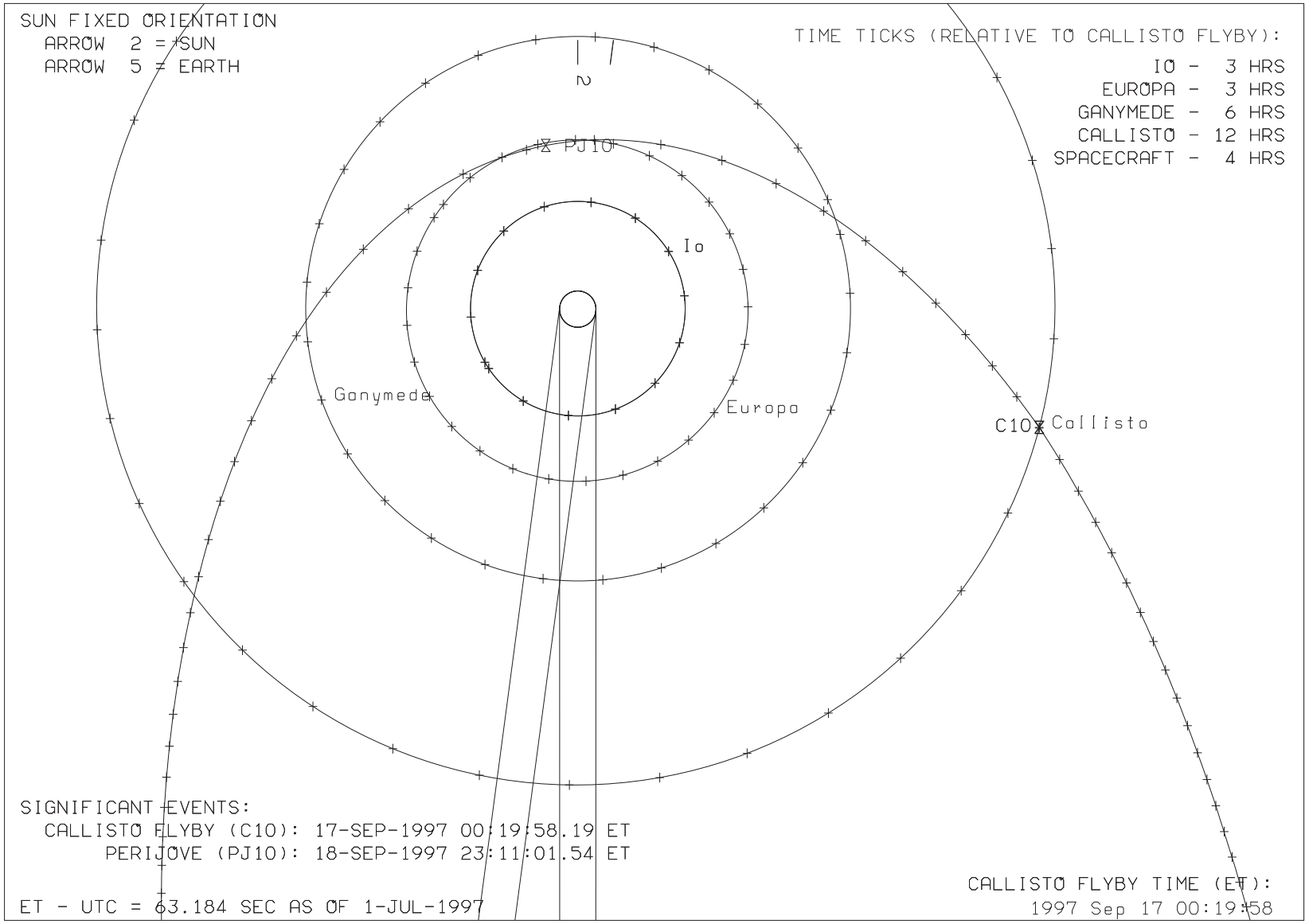
Jupiter 10: North Trajectory Pole View (C10 +/- 1 day)



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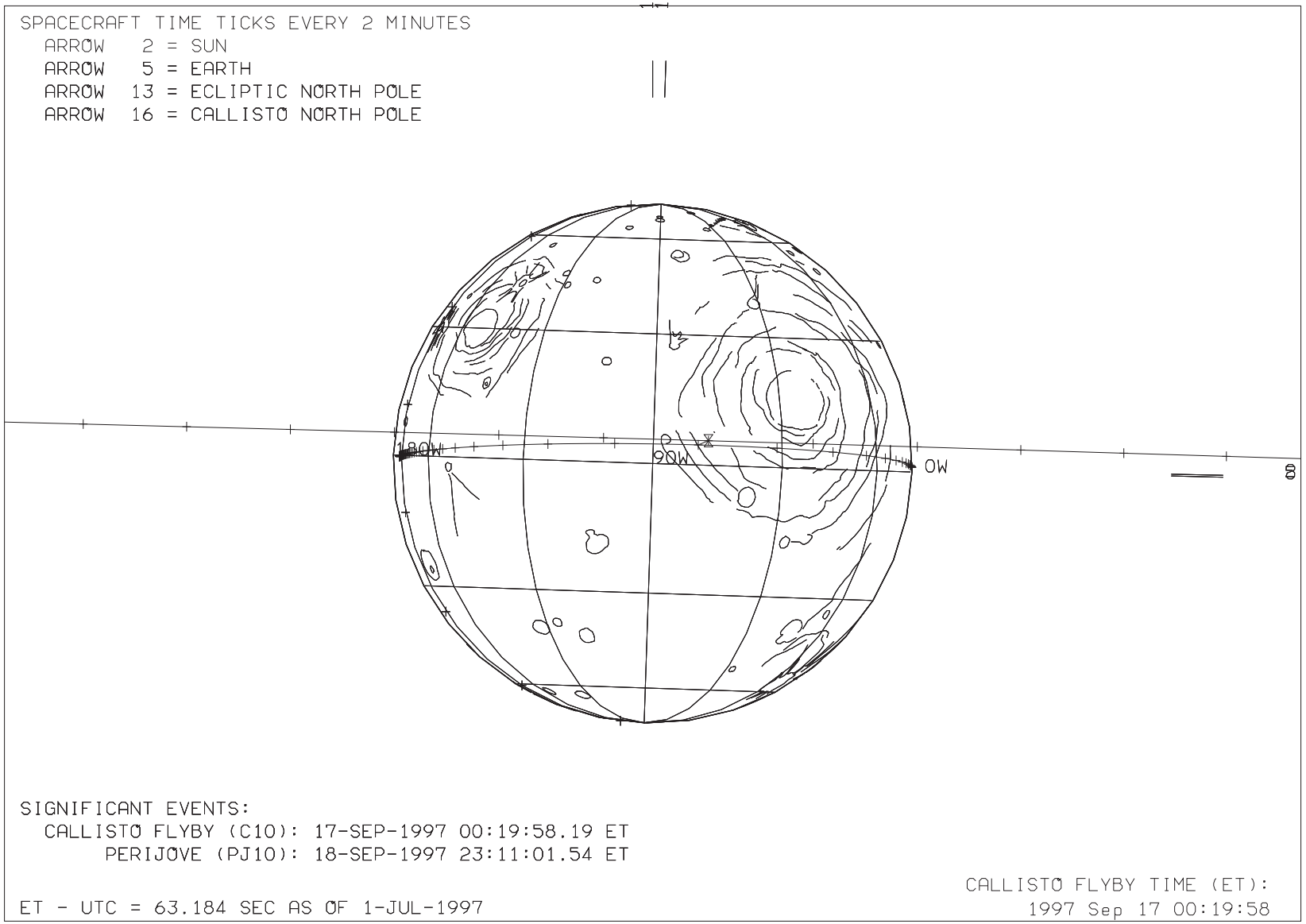
CALLISTO 10: GROUNDTRACK AT CLOSEST APPROACH



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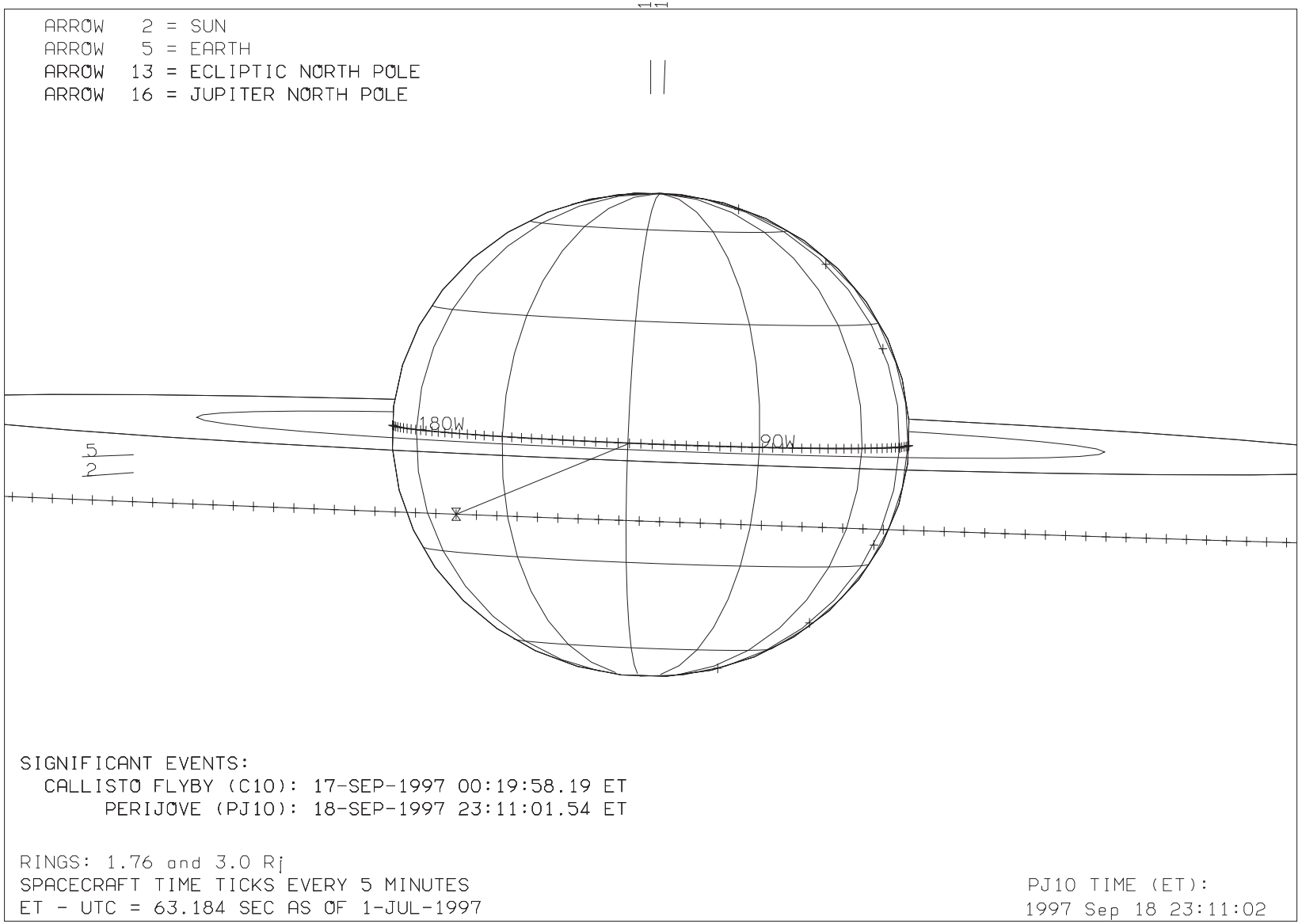
JUPITER 10: GROUNDTRACK AT CLOSEST APPROACH



SIGNIFICANT EVENTS:
CALLISTO FLYBY (C10): 17-SEP-1997 00:19:58.19 ET
PERIJOVE (PJ10): 18-SEP-1997 23:11:01.54 ET

RINGS: 1.76 and 3.0 Rj
SPACECRAFT TIME TICKS EVERY 5 MINUTES
ET - UTC = 63.184 SEC AS OF 1-JUL-1997

PJ10 TIME (ET):
1997 Sep 18 23:11:02

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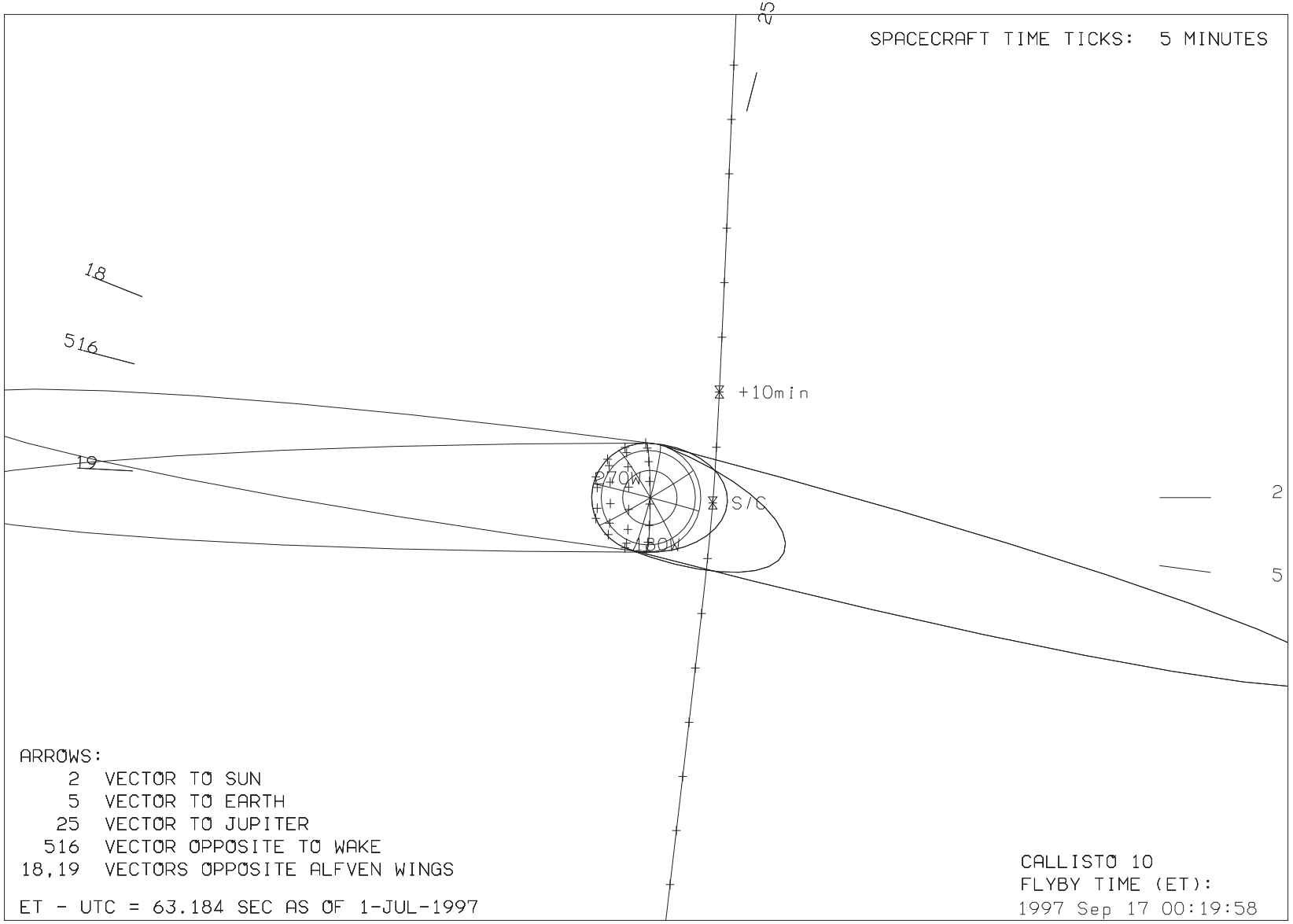
CALLISTO 10: CLOSEST APPROACH (N TRAJ POLE VIEW)



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Chapter 4 - NIMS Observation Summaries

Contents

Introduction to Chapter 4

This chapter summarizes the NIMS C10 observations in terms of a comprehensive sequence summary, Individual Obstab Summaries and a NIMS Obstab (Observation Table).

The NIMS Sequence Summary is a time-ordered listing of all spacecraft activity pertinent to NIMS operations for the C10 Sequence. The information in this summary is derived from the C10 SEFs (Spacecraft Event File) and PBTs (Playback Tables) with inputs from the NIMS Science Coordinators regarding the start time and duration of the NIMS observations. There are twelve columns of information in this table:

1) Line - Line Count.
2) YR - Year.
3) DOY - Day of Year.
4) Time - SCET Time (UTC).
5) PSID - Parameter Set ID of the SEF line.
6) Command - Command name from the SEF.
7) Parameters - Parameters from the above Command Line.
8) Description - Description of the above Command for NIMS.
9) GCM - NIMS Gain, Chopper mode, Instrument Mode.
   Gain = 1,2,3 or 4.
   Chopper Mode = R (Reference) or 6 (63Hz).
   Instrement Mode = 0-15
10) GO - NIMS Grating Offset.
11) GS - NIMS Grating Start Position.
12) RIM,MF,I - SCLK of the Command Line (RIM:MF:RTI)

An additional line is inserted into this table at the start and stop times of each NIMS Observation (Oapel) to bracket the commands which affect each NIMS Observation. The NIMS Playback Select and DeSelect times are also inserted into this table to correlate the playback requests with the observations.

The Individual Obstab Summaries are expansions of the NIMS Obstab to one page per Obstab entry for ease in reading the NIMS Obstab.

The NIMS Obstab (Observation Table) is a time-ordered listing of the NIMS obsrvation parameters for use by downlink data processing of the NIMS C10 data. It is also derived from the C10 SEFs and PBTs. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry.

			Sequence:	C10AOD		Created: 8/27/97	Begin: 97-257/00:00:00 Finish: 97-263/14:30:00				
Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1	97	256	23:59:59.866		DMS:	: READY	RDY, TRACK 3, FWD, TIC 5849.34 +/-	2O0	4	0	4,129,559:33:0
2	**97**	**257**	**00:00:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2O0**	**4**	**0**	**4,129,559:33:2**
3	**97**	**257**	**00:00:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2O0**	**4**	**0**	**4,129,559:33:2**
4	**97**	**257**	**00:00:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
5	**97**	**257**	**00:00:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
6	**97**	**257**	**00:00:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
7	**97**	**257**	**00:00:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
8	**97**	**257**	**00:00:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
9	**97**	**257**	**00:00:00.000**	**20A3FE**	**40T1P**	**Initial Condition**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,129,559:33:2**
10	**97**	**257**	**00:00:00.000**	**20A3FF**	**40T2**	**Initial Condition**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,129,559:33:2**
11	**97**	**257**	**00:01:37.866**	**432JA6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2O0**	**4**	**0**	**4,129,560:89:0**
12	97	257	00:01:38.533	488AA6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,560:90:0
13	97	257	00:01:38.533	432JA431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	2O0	4	0	4,129,560:90:0
14	97	257	00:01:39.200	432JA6C	6RTSL1		R/T Select of DDS and	2O0	4	0	4,129,561:00:0
15	**97**	**257**	**00:01:39.200**	**432JA6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**2O0**	**4**	**0**	**4,129,561:00:0**
16	97	257	00:02:00.533	432OE6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,129,561:32:0
17	97	257	00:05:59.866	41V99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2O0	4	0	4,129,565:27:0
18	**97**	**257**	**00:07:53.866**	**41V3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,129,567:16:0**
19	**97**	**257**	**00:08:03.866**	**41V3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2O0**	**4**	**0**	**4,129,567:31:0**
20	**97**	**257**	**00:08:13.866**	**41V3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,129,567:46:0**
21	**97**	**257**	**00:08:23.866**	**41V3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2O0**	**4**	**0**	**4,129,567:61:0**
22	97	257	00:18:42.533	488AA6B	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,129,577:79:0
23	97	257	00:35:46.533	488AA6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,129,594:68:0
24	97	257	01:00:00.533	481UA4A	7VECT		Inert vect update UTC	2O0	4	0	4,129,618:65:0
25	97	257	01:16:18.533	488AA6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,634:76:0
26	97	257	01:51:05.200	488AA6E	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,669:21:0
27	97	257	01:53:00.533	488AB6A	6TMSED	FILL,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,671:12:0
28	97	257	02:17:54.533	488AB6B	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,695:69:0
29	97	257	05:11:25.200	488AB6C	6TMSED	FILL,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,129,867:33:0
30	97	257	05:15:14.533	488AB6D	6TMSED	FILL,EH8	Sci, Eng, and D/L Chan	2O0	4	0	4,129,871:13:0
31	97	257	05:16:54.533	488AB6E	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	2O0	4	0	4,129,872:72:0
32	97	257	06:59:59.866	41W99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2O0	4	0	4,129,974:68:0
33	**97**	**257**	**07:00:03.866**	**41W3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,974:74:0**
34	**97**	**257**	**07:00:13.866**	**41W3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2O0**	**4**	**0**	**4,129,974:89:0**
35	**97**	**257**	**07:00:23.866**	**41W3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,129,975:13:0**
36	**97**	**257**	**07:00:33.866**	**41W3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2O0**	**4**	**0**	**4,129,975:28:0**
37	97	257	07:05:00.533	488AC6A	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,129,979:64:0
38	97	257	07:09:59.866	432OC431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,129,984:58:0
39	97	257	07:10:00.533	432OC6A	6RTSL1		R/T Select of DDS and	2O0	4	0	4,129,984:59:0
40	97	257	07:36:00.533	444UA443A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2O0	4	0	4,130,010:33:0
41	97	257	08:00:00.533	481UB4A	7VECT		Inert vect update UTC	2O0	4	0	4,130,034:09:0
42	97	257	08:02:55.866	165BF4A	7SCAN	NORM,220.943998,	Check S/P Position	2O0	4	0	4,130,036:90:0
43	97	257	08:12:02.533		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 5849.34 +/-	2O0	4	0	4,130,046:00:0
44	97	257	08:12:02.533	465WA6A	6DMST	5000	DMS Slew to TIC	2O0	4	0	4,130,046:00:0
45	97	257	08:12:02.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5849.34 +/-	2O0	4	0	4,130,046:00:0
46	97	257	08:12:03.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5849.46 +/-	2O0	4	0	4,130,046:02:1
47	97	257	08:12:09.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5850.69 +/-	2O0	4	0	4,130,046:10:0
48	97	257	08:12:10.400		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *5850.75 +/-	2O0	4	0	4,130,046:11:8
49	97	257	08:12:11.800		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *5850.63 +/-	2O0	4	0	4,130,046:13:9
50	97	257	09:12:31.333		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *5002.06 +/-	2O0	4	0	4,130,105:74:2
51	97	257	09:12:32.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5002.00 +/-	2O0	4	0	4,130,105:76:0
52	97	257	14:05:43.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5002.00 +/-	2O0	4	0	4,130,395:73:0
53	97	257	14:05:43.866	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,395:73:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	257	14:05:45.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5002.12 +/-	2O0	4	0	4,130,395:75:1	
55	97	257	14:05:50.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5003.35 +/-	2O0	4	0	4,130,395:83:0	
56	97	257	14:05:51.733		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *5003.41 +/-	2O0	4	0	4,130,395:84:8	
57	97	257	14:05:55.600		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4997.91 +/-	2O0	4	0	4,130,395:90:6	
58	97	257	14:05:55.600		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4997.91 +/-	2O0	4	0	4,130,395:90:6	
59	97	257	14:31:35.866	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,130,421:35:0	
60	97	257	14:31:35.866		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 259.79 +/-	2O0	4	0	4,130,421:35:0	
61	97	257	14:31:37.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 258.99 +/-	2O0	4	0	4,130,421:36:8	
62	97	257	15:12:34.533	488AD6A	6TMSED	NORM,IL7	Sci, Eng, and D/L Chan	2O0	4	0	4,130,461:83:0	
63	97	257	15:30:00.466	488AD6B	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	2O0	4	0	4,130,479:14:0	
64	97	257	16:08:02.466	488AD6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,130,516:70:0	
65	97	257	16:20:00.466	488AD6D	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	2O0	4	0	4,130,528:55:0	
66	97	257	16:30:24.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 258.99 +/-	2O0	4	0	4,130,538:81:0	
67	97	257	16:30:24.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 258.99 +/-	2O0	4	0	4,130,538:81:0	
68	97	257	16:30:24.466	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	2O0	4	0	4,130,538:81:0	
69	97	257	16:30:25.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 259.11 +/-	2O0	4	0	4,130,538:83:1	
70	97	257	16:30:31.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 260.34 +/-	2O0	4	0	4,130,539:00:0	
71	97	257	16:30:32.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 260.40 +/-	2O0	4	0	4,130,539:01:8	
72	97	257	16:30:33.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 260.28 +/-	2O0	4	0	4,130,539:03:9	
73	97	257	16:34:51.466		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	4,130,543:26:5	
74	97	257	16:34:52.666		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	4,130,543:28:3	
75	97	257	16:34:52.666		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	4,130,543:28:3	
76	97	257	16:34:54.066		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,130,543:30:4	
77	97	257	16:35:06.066		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,130,543:48:4	
78	97	257	16:35:07.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,130,543:50:2	
79	97	257	16:40:27.133	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,548:75:0	
80	97	257	16:40:27.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,130,548:75:0	
81	97	257	16:40:33.800		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,130,548:85:0	
82	97	257	16:40:37.666		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	2O0	4	0	4,130,548:90:8	
83	97	257	16:40:37.666		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	2O0	4	0	4,130,548:90:8	
84	97	257	16:52:50.466	488AD6E	6TMSED	NORM,EH4	Sci, Eng, and D/L Chan	2O0	4	0	4,130,561:07:0	
85	97	257	17:12:21.133	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	2O0	4	0	4,130,580:34:0	
86	97	257	17:12:21.133		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6063.01 +/-	2O0	4	0	4,130,580:34:0	
87	97	257	17:12:22.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.81 +/-	2O0	4	0	4,130,580:35:8	
88	97	257	17:27:57.133	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,595:73:0	
89	97	257	17:27:57.133		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.81 +/-	2O0	4	0	4,130,595:73:0	
90	97	257	17:27:58.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.93 +/-	2O0	4	0	4,130,595:75:1	
91	97	257	17:28:03.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6065.17 +/-	2O0	4	0	4,130,595:83:0	
92	97	257	17:28:05.000		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.23 +/-	2O0	4	0	4,130,595:84:8	
93	97	257	17:28:08.866		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.73 +/-	2O0	4	0	4,130,595:90:6	
94	97	257	17:28:08.866		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.73 +/-	2O0	4	0	4,130,595:90:6	
95	97	257	17:56:50.466	488AE6A	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,130,624:34:0	
96	97	257	18:00:05.133	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,627:53:0	
97	97	257	18:00:05.133		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.96 +/-	2O0	4	0	4,130,627:53:0	
98	97	257	18:00:06.333		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 164.16 +/-	2O0	4	0	4,130,627:54:8	
99	97	257	18:00:10.200		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.66 +/-	2O0	4	0	4,130,627:60:6	
100	97	257	18:00:10.200		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.66 +/-	2O0	4	0	4,130,627:60:6	
101	97	257	18:12:37.800	165BP4A	7SCAN	NORM,226.248999,	Check S/P Position	2O0	4	0	4,130,639:90:0	
102	97	257	18:24:43.800	488AE6B	6TMSED	FILL,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,130,651:87:0	
103	97	257	18:32:05.800	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,130,659:22:0	
104	97	257	18:32:05.800		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.38 +/-	2O0	4	0	4,130,659:22:0	
105	97	257	18:32:07.000		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6063.18 +/-	2O0	4	0	4,130,659:23:8	
106	97	257	18:46:49.133	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,673:73:0	
107	97	257	18:46:49.133		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6063.18 +/-	2O0	4	0	4,130,673:73:0	
108	97	257	18:46:50.533		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.30 +/-	2O0	4	0	4,130,673:75:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	257	18:46:55.800		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.53 +/-	2O0	4	0	4,130,673:83:0	
110	97	257	18:46:57.000		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.59 +/-	2O0	4	0	4,130,673:84:8	
111	97	257	18:47:00.866		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6059.09 +/-	2O0	4	0	4,130,673:90:6	
112	97	257	18:47:00.866		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6059.09 +/-	2O0	4	0	4,130,673:90:6	
113	97	257	18:53:49.800	488AE6C	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	2O0	4	0	4,130,680:67:0	
114	97	257	19:18:56.466	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	2O0	4	0	4,130,705:52:0	
115	97	257	19:18:56.466		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.38 +/-	2O0	4	0	4,130,705:52:0	
116	97	257	19:18:57.666		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.58 +/-	2O0	4	0	4,130,705:53:8	
117	97	257	19:19:01.533		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 171.08 +/-	2O0	4	0	4,130,705:59:6	
118	97	257	19:19:01.533		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 171.08 +/-	2O0	4	0	4,130,705:59:6	
119	97	257	19:20:02.466	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	2O0	4	0	4,130,706:60:0	
120	97	257	19:20:02.466		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.52 +/-	2O0	4	0	4,130,706:60:0	
121	97	257	19:20:03.666		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.32 +/-	2O0	4	0	4,130,706:61:8	
122	97	257	19:34:32.466	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,130,721:00:0	
123	97	257	19:34:32.466		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.32 +/-	2O0	4	0	4,130,721:00:0	
124	97	257	19:35:26.466		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.32 +/-	2O0	4	0	4,130,721:81:0	
125	97	257	19:35:26.466		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.32 +/-	2O0	4	0	4,130,721:81:0	
126	97	257	19:35:26.466	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	2O0	4	0	4,130,721:81:0	
127	97	257	19:35:27.866		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.44 +/-	2O0	4	0	4,130,721:83:1	
128	97	257	19:35:33.133		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.67 +/-	2O0	4	0	4,130,722:00:0	
129	97	257	19:35:34.333		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.73 +/-	2O0	4	0	4,130,722:01:8	
130	97	257	19:35:35.733		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.61 +/-	2O0	4	0	4,130,722:03:9	
131	97	257	19:47:01.533		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	2O0	4	0	4,130,733:31:6	
132	97	257	19:47:02.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	2O0	4	0	4,130,733:33:4	
133	97	257	19:47:02.733		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	2O0	4	0	4,130,733:33:4	
134	97	257	19:47:04.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	2O0	4	0	4,130,733:35:5	
135	97	257	19:47:16.133		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	2O0	4	0	4,130,733:53:5	
136	97	257	19:47:17.333		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	2O0	4	0	4,130,733:55:3	
137	97	257	20:10:00.466	488AE6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,130,756:07:0	
138	97	258	00:08:02.466	488AF6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,130,991:45:0	
139	97	258	00:29:22.466	488AF6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,131,012:54:0	
140	97	258	01:16:18.466	488AF6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,131,059:01:0	
141	97	258	01:41:07.800	488AF6D	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,131,083:51:0	
142	97	258	02:07:57.800	488AF6E	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,131,110:09:0	
143	97	258	04:19:17.800	165BQ4A	7SCAN	NORM,233.157999,	Check S/P Position	2O0	4	0	4,131,239:90:0	
144	97	258	05:07:09.133	488AG6A	6TMSED	FILL,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,131,287:29:0	
145	97	258	05:10:58.466	488AG6B	6TMSED	FILL,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,131,291:09:0	
146	97	258	05:12:38.466	488AG6C	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,131,292:68:0	
147	97	258	06:00:00.466	488AG6D	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	2O0	4	0	4,131,339:54:0	
148	97	258	14:25:57.800	165BR4A	7SCAN	NORM,243.143999,	Check S/P Position	2O0	4	0	4,131,839:90:0	
149	97	258	15:00:00.466	488AH6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2O0	4	0	4,131,873:60:0	
150	97	258	15:08:18.466	488AH6B	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	2O0	4	0	4,131,881:79:0	
151	97	258	15:57:22.466	488AH6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,131,930:36:0	
152	97	258	16:52:50.466	488AH6D	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,131,985:23:0	
153	97	258	17:54:42.466	488AH6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,046:40:0	
154	97	258	18:19:47.133	488AI6A	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,071:22:0	
155	97	258	18:48:53.133	488AI6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,100:02:0	
156	97	258	21:01:19.133	465KG6A	6DMST	822	DMS Slew to TIC	2O0	4	0	4,132,231:00:0	
157	97	258	21:01:19.133		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,132,231:00:0	
158	97	258	21:01:19.133		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,132,231:00:0	
159	97	258	21:01:19.133		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,132,231:00:0	
160	97	258	21:01:25.800		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	2O0	4	0	4,132,231:10:0	
161	97	258	21:01:27.200		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	2O0	4	0	4,132,231:12:1	
162	97	258	21:45:21.933		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 819.94 +/-	2O0	4	0	4,132,274:51:2	
163	97	258	21:45:23.133		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 820.00 +/-	2O0	4	0	4,132,274:53:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	97	259	00:12:18.400	488AI6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,132,419:81:0	
165	97	259	00:46:26.400	488AJ6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,453:59:0	
166	97	259	01:29:47.733	488AJ6B	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,496:48:0	
167	97	259	02:03:53.733	488AJ6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,132,530:23:0	
168	97	259	02:24:51.066	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2O0	4	0	4,132,550:89:0	
169	97	259	02:28:58.400	20ZM6A	6EUVON			2O0	4	0	4,132,555:05:0	
170	97	259	02:29:55.733	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2O0	4	0	4,132,556:00:0	
171	97	259	02:34:58.400	165BA4A	7SCAN	NORM,220.702999,	Check S/P Position	2O0	4	0	4,132,560:90:0	
172	97	259	03:20:02.400	488AJ6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,132,605:51:0	
173	97	259	03:45:45.733	465KF6A	6DMSC	RDY,4	DMS Control Tape stop	2O0	4	0	4,132,631:00:0	
174	97	259	03:45:45.733		DMS:	: READY	RDY, TRACK *4, *REV, TIC 820.00 +/-	2O0	4	0	4,132,631:00:0	
175	97	259	04:15:00.400	488AJ6E	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	2O0	4	0	4,132,659:84:0	
176	97	259	05:00:18.400	488AK6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2O0	4	0	4,132,704:66:0	
177	97	259	05:23:28.400	488AK6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	2O0	4	0	4,132,727:58:0	
178	97	259	05:25:54.400	488AK6C	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	2O0	4	0	4,132,730:04:0	
179	97	259	05:27:34.400	488AK6D	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	2O0	4	0	4,132,731:63:0	
180	97	259	05:58:15.733	488AK6E	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	2O0	4	0	4,132,762:04:0	
181	97	259	06:26:40.400	488AL6A	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	2O0	4	0	4,132,790:13:0	
182	97	259	10:47:05.066	20KA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2O0	4	0	4,133,047:63:0	
183	97	259	10:56:29.066	165CA4A	7SCAN	NORM,221.134998,	Check S/P Position	2O0	4	0	4,133,056:90:0	
184	97	259	11:00:31.066	165CA4B	7VECT		Inert vect update UTC	2O0	4	0	4,133,060:89:0	
185	97	259	13:55:27.066	165CB4A	7SCAN	NORM,223.021,-18	Check S/P Position	2O0	4	0	4,133,233:90:0	
186	97	259	13:59:29.066	165CB4B	7VECT		Inert vect update UTC	2O0	4	0	4,133,237:89:0	
187	97	259	14:42:42.400	488AM6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	2O0	4	0	4,133,280:66:0	
188	97	259	15:01:54.400	488AM6B	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	2O0	4	0	4,133,299:65:0	
189	97	259	16:00:00.400	488AM6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2O0	4	0	4,133,357:16:0	
190	97	259	16:18:42.400	488AM6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2O0	4	0	4,133,375:61:0	
191	97	259	16:48:34.400	488AM6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2O0	4	0	4,133,405:19:0	
192	**97**	**259**	**17:19:46.067**	**10NNCHOPON01**		**-----START------**		**2O0**	**4**	**0**	**: :**	
193	**97**	**259**	**17:21:39.066**	**125LA4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**260**	**4**	**0**	**4,133,437:84:0**	
194	97	259	17:21:39.066	125LA	NIMSINIT	GS	##### GROUP START INIT	260	4	0	4,133,437:84:0	
195	**97**	**259**	**17:22:39.733**	**125LA4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,133,438:84:0**	
196	97	259	17:23:40.400	125LA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,133,439:84:0	
197	**97**	**259**	**17:23:40.400**	**125LA4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**2R0**	**4**	**0**	**4,133,439:84:0**	
198	**97**	**259**	**17:24:49.400**	**10NNCHOPON01**		**-----STOP-------**		**2R0**	**4**	**0**	**: :**	
199	**97**	**259**	**17:33:55.400**	**10CNGLOBAL01-**		**-----START------**		**2R0**	**4**	**0**	**: :**	
200	97	259	17:34:49.733	176DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R0	4	0	4,133,450:87:0	
201	97	259	17:34:51.733	165DA4A	7SCAN	NORM,221.191999,	Check S/P Position	2R0	4	0	4,133,450:90:0	
202	97	259	17:36:49.066	125DA11A	NIMSINIT	GE	##### GROUP END INIT	2R0	4	0	4,133,452:84:0	
203	**97**	**259**	**17:36:49.066**	**125DA4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,133,452:84:0**	
204	97	259	17:36:49.066	125DA	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,133,452:84:0	
205	97	259	17:37:49.733	127DA	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,133,453:84:0	
206	**97**	**259**	**17:37:49.733**	**127DA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,133,453:84:0**	
207	**97**	**259**	**17:37:50.400**	**127DA4B**	**37ETB**	**07,C7,02,00,F0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,133,453:85:0**	
208	97	259	17:37:58.400	127DA11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,133,454:06:0	
209	97	259	17:38:43.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 820.00 +/-	4R3	4	0	4,133,454:73:0	
210	97	259	17:38:43.066	175DA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,454:73:0	
211	97	259	17:38:44.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 820.12 +/-	4R3	4	0	4,133,454:75:1	
212	97	259	17:38:45.733	117DA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,454:77:0	
213	97	259	17:38:49.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 821.35 +/-	4R3	4	0	4,133,454:83:0	
214	97	259	17:38:50.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 821.41 +/-	4R3	4	0	4,133,454:84:8	
215	97	259	17:38:51.733	175DA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,133,454:86:0	
216	97	259	17:38:52.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 821.29 +/-	4R3	4	0	4,133,454:86:9	
217	97	259	17:38:52.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 821.29 +/-	4R3	4	0	4,133,454:86:9	
218	97	259	17:38:55.066	117DA105A106A4A	7STRP	-0.014501,0.0,0,	Slew =,0.03	4R3	4	0	4,133,455:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
219	**97**	**259**	**17:38:55.066**	**10CNGLOBAL01-**	**NIMPBK**	**301DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
220	97	259	17:42:02.400	488AN6A	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,133,458:08:0	
221	97	259	17:47:00.400	117DA105A106A4B	7STRP	0.014801,-0.0085	Slew =12.01	4R3	4	0	4,133,463:00:0	
222	97	259	17:47:09.066	117DA105A106A4C	7STRP	-0.014501,0.0,0,	Slew =,0.03	4R3	4	0	4,133,463:13:0	
223	97	259	17:55:14.400	117DA105A106A4D	7STRP	0.014801,-0.0085	Slew =12.01	4R3	4	0	4,133,471:13:0	
224	97	259	17:55:23.066	117DA105A106A4E	7STRP	-0.014501,0.0,0,	Slew =,0.03	4R3	4	0	4,133,471:26:0	
225	**97**	**259**	**18:03:28.400**	**10CNGLOBAL01-**	**DESELC**	**300DA**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
226	97	259	18:03:28.400	117DA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,479:26:0	
227	97	259	18:05:22.400	488AN6B	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,481:15:0	
228	97	259	18:05:23.066	175DA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,481:16:0	
229	97	259	18:05:23.066	175DA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,481:16:0	
230	97	259	18:05:23.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 448.47 +/-	4R3	4	0	4,133,481:16:0	
231	97	259	18:05:24.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 448.41 +/-	4R3	4	0	4,133,481:17:8	
232	**97**	**259**	**18:08:18.067**	**10CNGLOBAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
233	**97**	**259**	**18:09:18.733**	**10CNCALLRT02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
234	97	259	18:12:21.733	488AN6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,488:07:0	
235	97	259	18:14:13.733	125KH	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,133,489:84:0	
236	97	259	18:14:13.733	125KH11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,133,489:84:0	
237	**97**	**259**	**18:14:13.733**	**125KH4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,133,489:84:0**	
238	97	259	18:14:49.066	488AN6D	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,490:46:0	
239	97	259	18:15:14.400	127KH	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,133,490:84:0	
240	**97**	**259**	**18:15:15.066**	**127KH4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,133,490:85:0**	
241	97	259	18:15:18.400	165FU4A	7SCAN	NORM,220.988998,	Check S/P Position	4R3	4	0	4,133,490:90:0	
242	97	259	18:15:23.066	127KH11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,133,491:06:0	
243	**97**	**259**	**18:15:39.066**	**432DO6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,133,491:30:0**	
244	97	259	18:16:10.400	117FU	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,491:77:0	
245	97	259	18:16:19.733	117FU105A106A4A	7STRP	-0.00665,0.0,0,0	Slew =,0.03	4R3	4	0	4,133,492:00:0	
246	**97**	**259**	**18:19:40.400**	**432DP6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,133,495:28:0**	
247	97	259	18:20:03.066	117FU11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,495:62:0	
248	97	259	18:21:18.400	125KY	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,133,496:84:0	
249	**97**	**259**	**18:21:18.400**	**125KY4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,133,496:84:0**	
250	97	259	18:21:18.400	125KY11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,133,496:84:0	
251	**97**	**259**	**18:21:26.733**	**10CNCALLRT02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
252	**97**	**259**	**18:29:32.067**	**10CXMOVBLK01**		**-----START------**		**4R3**	**4**	**0**	**: :**	
253	**97**	**259**	**18:34:35.400**	**10CXMOVBLK01**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
254	97	259	18:43:55.066	488AN6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,519:26:0	
255	97	259	19:35:11.066	165GB4A	7SCAN	NORM,221.793999,	Check S/P Position	4R3	4	0	4,133,569:90:0	
256	97	259	19:39:05.066	117GB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,573:77:0	
257	97	259	19:39:14.400	117GB105A106A4A	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,574:00:0	
258	97	259	19:39:14.400	176GB6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,133,574:00:0	
259	97	259	19:40:18.400	117GB105A106A4B	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,575:05:0	
260	97	259	19:40:25.066	117GB105A106A4C	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,575:15:0	
261	97	259	19:41:29.066	117GB105A106A4D	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,576:20:0	
262	97	259	19:41:35.733	117GB105A106A4E	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,576:30:0	
263	97	259	19:42:39.733	117GB105A106A4F	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,577:35:0	
264	97	259	19:42:46.400	117GB105A106A4G	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,577:45:0	
265	97	259	19:43:50.400	117GB105A106A4H	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,578:50:0	
266	97	259	19:43:57.066	117GB105A106A4I	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,578:60:0	
267	97	259	19:45:01.066	117GB105A106A4J	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,579:65:0	
268	97	259	19:45:07.733	117GB105A106A4K	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,579:75:0	
269	97	259	19:46:11.733	117GB105A106A4L	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,580:80:0	
270	97	259	19:46:18.400	117GB105A106A4M	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,580:90:0	
271	97	259	19:47:22.400	117GB105A106A4N	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,582:04:0	
272	97	259	19:47:29.066	117GB105A106A4O	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,582:14:0	
273	97	259	19:48:33.066	117GB105A106A4P	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,583:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	97	259	19:48:39.733	117GB105A106A4Q	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,583:29:0	
275	97	259	19:49:43.733	117GB105A106A4R	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,584:34:0	
276	97	259	19:49:50.400	117GB105A106A4S	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,584:44:0	
277	97	259	19:50:54.400	117GB105A106A4T	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,585:49:0	
278	97	259	19:51:01.066	117GB105A106A4U	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,585:59:0	
279	97	259	19:51:49.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 448.41 +/-	4R3	4	0	4,133,586:40:0	
280	97	259	19:51:49.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,586:40:0	
281	97	259	19:51:50.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 448.53 +/-	4R3	4	0	4,133,586:42:1	
282	97	259	19:51:55.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 449.76 +/-	4R3	4	0	4,133,586:50:0	
283	97	259	19:51:56.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 449.82 +/-	4R3	4	0	4,133,586:51:8	
284	97	259	19:51:58.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 449.70 +/-	4R3	4	0	4,133,586:53:9	
285	97	259	19:52:05.066	117GB105A106A4V	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,586:64:0	
286	97	259	19:52:11.733	117GB105A106A4W	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,586:74:0	
287	97	259	19:52:14.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 445.93 +/-	4R3	4	0	4,133,586:78:0	
288	97	259	19:52:37.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 440.62 +/-	4R3	4	0	4,133,587:21:0	
289	97	259	19:52:37.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,587:21:0	
290	97	259	19:52:38.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 440.56 +/-	4R3	4	0	4,133,587:22:8	
291	97	259	19:53:15.733	117GB105A106A4X	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,587:79:0	
292	97	259	19:53:22.400	117GB105A106A4Y	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,587:89:0	
293	97	259	19:54:26.400	117GB105A106A4Z	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,589:03:0	
294	97	259	19:54:33.066	117GB105A106A4AA	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,589:13:0	
295	97	259	19:55:37.066	117GB105A106A4AB	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,590:18:0	
296	97	259	19:55:43.733	117GB105A106A4AC	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,590:28:0	
297	97	259	19:56:47.733	117GB105A106A4AD	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,591:33:0	
298	97	259	19:56:54.400	117GB105A106A4AE	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,591:43:0	
299	97	259	19:57:58.400	117GB105A106A4AF	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,592:48:0	
300	97	259	19:58:05.066	117GB105A106A4AG	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,592:58:0	
301	97	259	19:59:09.066	117GB105A106A4AH	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,593:63:0	
302	97	259	19:59:15.733	117GB105A106A4AI	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,593:73:0	
303	97	259	20:00:19.733	117GB105A106A4AJ	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,594:78:0	
304	97	259	20:00:26.400	117GB105A106A4AK	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,594:88:0	
305	97	259	20:01:30.400	117GB105A106A4AL	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,596:02:0	
306	97	259	20:01:37.066	117GB105A106A4AM	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,596:12:0	
307	97	259	20:02:41.066	117GB105A106A4AN	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,597:17:0	
308	97	259	20:02:47.733	117GB105A106A4AO	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,597:27:0	
309	97	259	20:03:51.733	117GB105A106A4AP	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,598:32:0	
310	97	259	20:03:58.400	117GB105A106A4AQ	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,598:42:0	
311	97	259	20:04:51.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 440.56 +/-	4R3	4	0	4,133,599:30:0	
312	97	259	20:04:51.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,599:30:0	
313	97	259	20:04:52.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 440.68 +/-	4R3	4	0	4,133,599:32:1	
314	97	259	20:04:57.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 441.92 +/-	4R3	4	0	4,133,599:40:0	
315	97	259	20:04:58.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 441.98 +/-	4R3	4	0	4,133,599:41:8	
316	97	259	20:05:00.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 441.86 +/-	4R3	4	0	4,133,599:43:9	
317	97	259	20:05:02.400	117GB105A106A4AR	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,599:47:0	
318	97	259	20:05:09.066	117GB105A106A4AS	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,599:57:0	
319	97	259	20:05:16.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 438.09 +/-	4R3	4	0	4,133,599:68:0	
320	97	259	20:05:39.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 432.78 +/-	4R3	4	0	4,133,600:11:0	
321	97	259	20:05:39.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,600:11:0	
322	97	259	20:05:40.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 432.72 +/-	4R3	4	0	4,133,600:12:8	
323	97	259	20:06:13.066	117GB105A106A4AT	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,600:62:0	
324	97	259	20:06:19.733	117GB105A106A4AU	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,600:72:0	
325	97	259	20:07:23.733	117GB105A106A4AV	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,601:77:0	
326	97	259	20:07:30.400	117GB105A106A4AW	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,601:87:0	
327	97	259	20:08:34.400	117GB105A106A4AX	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,603:01:0	
328	97	259	20:08:41.066	117GB105A106A4AY	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,603:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	259	20:09:45.066	117GB105A106A4AZ	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,604:16:0	
330	97	259	20:09:51.733	117GB105A106A4BA	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,604:26:0	
331	97	259	20:10:55.733	117GB105A106A4BB	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,605:31:0	
332	97	259	20:11:02.400	117GB105A106A4BC	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,605:41:0	
333	97	259	20:12:06.400	117GB105A106A4BD	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,606:46:0	
334	97	259	20:12:13.066	117GB105A106A4BE	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,606:56:0	
335	97	259	20:13:17.066	117GB105A106A4BF	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,607:61:0	
336	97	259	20:13:23.733	117GB105A106A4BG	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,607:71:0	
337	97	259	20:14:27.733	117GB105A106A4BH	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,608:76:0	
338	97	259	20:14:34.400	117GB105A106A4BI	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,608:86:0	
339	97	259	20:15:38.400	117GB105A106A4BJ	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,610:00:0	
340	97	259	20:15:45.066	117GB105A106A4BK	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,610:10:0	
341	97	259	20:16:49.066	117GB105A106A4BL	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,611:15:0	
342	97	259	20:16:55.733	117GB105A106A4BM	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,611:25:0	
343	97	259	20:17:53.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 432.72 +/-	4R3	4	0	4,133,612:20:0	
344	97	259	20:17:53.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,612:20:0	
345	97	259	20:17:54.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 432.84 +/-	4R3	4	0	4,133,612:22:1	
346	97	259	20:17:59.733	117GB105A106A4BN	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,612:30:0	
347	97	259	20:17:59.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 434.07 +/-	4R3	4	0	4,133,612:30:0	
348	97	259	20:18:00.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 434.13 +/-	4R3	4	0	4,133,612:31:8	
349	97	259	20:18:02.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 434.01 +/-	4R3	4	0	4,133,612:33:9	
350	97	259	20:18:06.400	117GB105A106A4BO	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,612:40:0	
351	97	259	20:18:18.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 430.25 +/-	4R3	4	0	4,133,612:58:0	
352	97	259	20:18:41.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,613:01:0	
353	97	259	20:18:41.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 424.93 +/-	4R3	4	0	4,133,613:01:0	
354	97	259	20:18:42.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 424.88 +/-	4R3	4	0	4,133,613:02:8	
355	97	259	20:19:10.400	117GB105A106A4BP	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,613:45:0	
356	97	259	20:19:17.066	117GB105A106A4BQ	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,613:55:0	
357	97	259	20:20:21.066	117GB105A106A4BR	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,614:60:0	
358	97	259	20:20:27.733	117GB105A106A4BS	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,614:70:0	
359	97	259	20:21:31.733	117GB105A106A4BT	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,615:75:0	
360	97	259	20:21:38.400	117GB105A106A4BU	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,615:85:0	
361	97	259	20:22:42.400	117GB105A106A4BV	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,616:90:0	
362	97	259	20:22:49.066	117GB105A106A4BW	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,617:09:0	
363	97	259	20:23:53.066	117GB105A106A4BX	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,618:14:0	
364	97	259	20:23:59.733	117GB105A106A4BY	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,618:24:0	
365	97	259	20:25:03.733	117GB105A106A4BZ	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,619:29:0	
366	97	259	20:25:10.400	117GB105A106A4CA	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,619:39:0	
367	97	259	20:26:14.400	117GB105A106A4CB	7STRP	0.022104,-0.0010	Slew =12.01	4R3	4	0	4,133,620:44:0	
368	97	259	20:26:21.066	117GB105A106A4CC	7STRP	-0.022004,0.0,0,	Slew =,0.37	4R3	4	0	4,133,620:54:0	
369	97	259	20:27:25.066	117GB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,621:59:0	
370	97	259	20:27:46.400	176GB6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,622:00:0	
371	97	259	20:27:48.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 424.88 +/-	4R3	4	0	4,133,622:03:0	
372	97	259	20:27:48.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,622:03:0	
373	97	259	20:27:49.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 424.99 +/-	4R3	4	0	4,133,622:05:1	
374	97	259	20:27:55.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 426.23 +/-	4R3	4	0	4,133,622:13:0	
375	97	259	20:27:56.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 426.29 +/-	4R3	4	0	4,133,622:14:8	
376	97	259	20:27:57.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 426.17 +/-	4R3	4	0	4,133,622:16:9	
377	97	259	20:27:58.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 426.00 +/-	4R3	4	0	4,133,622:18:0	
378	97	259	20:28:17.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 421.62 +/-	4R3	4	0	4,133,622:46:0	
379	97	259	20:28:17.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,622:46:0	
380	97	259	20:28:18.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 421.56 +/-	4R3	4	0	4,133,622:47:8	
381	97	259	20:30:47.733	165CC4A	7SCAN	NORM,224.936998,	Check S/P Position	4R3	4	0	4,133,624:90:0	
382	97	259	20:34:49.733	165CC4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,628:89:0	
383	**97**	**259**	**20:36:56.067**	**10CNCALLRT01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
384	97	259	20:38:49.066	125KG	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,133,632:84:0
385	**97**	**259**	**20:38:49.066**	**125KG4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,133,632:84:0**
386	97	259	20:38:49.066	125KG11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,133,632:84:0
387	97	259	20:39:49.733	127KG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,133,633:84:0
388	**97**	**259**	**20:39:50.400**	**127KG4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,133,633:85:0**
389	97	259	20:39:53.733	165FT4A	7SCAN	NORM,221.667999,	Check S/P Position	4R3	4	0	4,133,633:90:0
390	97	259	20:39:58.400	127KG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,133,634:06:0
391	**97**	**259**	**20:40:14.400**	**432DM6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,133,634:30:0**
392	97	259	20:40:45.733	117FT	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,634:77:0
393	97	259	20:40:55.066	117FT105A106A4A	7STRP	-0.0072,0.0,0,0,	Slew =,0.03	4R3	4	0	4,133,635:00:0
394	**97**	**259**	**20:41:13.733**	**432DN6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,133,635:28:0**
395	97	259	20:42:51.733	125KZ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,133,636:84:0
396	97	259	20:42:51.733	125KZ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,133,636:84:0
397	**97**	**259**	**20:42:51.733**	**125KZ4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,133,636:84:0**
398	97	259	20:44:57.733	117FT11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,639:00:0
399	**97**	**259**	**20:45:01.400**	**10CNCALLRT01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
400	97	259	20:45:57.733	165GC4A	7SCAN	NORM,221.647999,	Check S/P Position	4R3	4	0	4,133,639:90:0
401	97	259	20:46:49.733	117GC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,640:77:0
402	97	259	20:46:59.066	117GC105A106A4A	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,641:00:0
403	97	259	20:46:59.066	176GC6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,133,641:00:0
404	97	259	20:48:30.400	117GC105A106A4B	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,642:46:0
405	97	259	20:48:37.066	117GC105A106A4C	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,642:56:0
406	97	259	20:50:08.400	117GC105A106A4D	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,644:11:0
407	97	259	20:50:15.066	117GC105A106A4E	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,644:21:0
408	97	259	20:51:46.400	117GC105A106A4F	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,645:67:0
409	97	259	20:51:53.066	117GC105A106A4G	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,645:77:0
410	97	259	20:53:24.400	117GC105A106A4H	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,647:32:0
411	97	259	20:53:31.066	117GC105A106A4I	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,647:42:0
412	97	259	20:55:02.400	117GC105A106A4J	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,648:88:0
413	97	259	20:55:09.066	117GC105A106A4K	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,649:07:0
414	97	259	20:56:40.400	117GC105A106A4L	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,650:53:0
415	97	259	20:56:47.066	117GC105A106A4M	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,650:63:0
416	97	259	20:58:18.400	117GC105A106A4N	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,652:18:0
417	97	259	20:58:25.066	117GC105A106A4O	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,652:28:0
418	97	259	20:59:56.400	117GC105A106A4P	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,653:74:0
419	97	259	21:00:03.066	117GC105A106A4Q	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,653:84:0
420	97	259	21:00:53.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,654:68:0
421	97	259	21:00:53.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 421.56 +/-	4R3	4	0	4,133,654:68:0
422	97	259	21:00:54.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 421.68 +/-	4R3	4	0	4,133,654:70:1
423	97	259	21:00:59.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 422.92 +/-	4R3	4	0	4,133,654:78:0
424	97	259	21:01:00.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 422.98 +/-	4R3	4	0	4,133,654:79:8
425	97	259	21:01:02.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 422.86 +/-	4R3	4	0	4,133,654:81:9
426	97	259	21:01:21.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 418.47 +/-	4R3	4	0	4,133,655:19:0
427	97	259	21:01:34.400	117GC105A106A4R	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,655:39:0
428	97	259	21:01:41.066	117GC105A106A4S	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,655:49:0
429	97	259	21:01:43.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,655:53:0
430	97	259	21:01:43.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 413.15 +/-	4R3	4	0	4,133,655:53:0
431	97	259	21:01:44.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 413.09 +/-	4R3	4	0	4,133,655:54:8
432	97	259	21:03:12.400	117GC105A106A4T	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,657:04:0
433	97	259	21:03:19.066	117GC105A106A4U	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,657:14:0
434	97	259	21:04:50.400	117GC105A106A4V	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,658:60:0
435	97	259	21:04:57.066	117GC105A106A4W	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,658:70:0
436	97	259	21:06:28.400	117GC105A106A4X	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,660:25:0
437	97	259	21:06:35.066	117GC105A106A4Y	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,660:35:0
438	97	259	21:08:06.400	117GC105A106A4Z	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,661:81:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	259	21:08:13.066	117GC105A106A4AA	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,662:00:0	
440	97	259	21:09:44.400	117GC105A106A4AB	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,663:46:0	
441	97	259	21:09:51.066	117GC105A106A4AC	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,663:56:0	
442	97	259	21:11:22.400	117GC105A106A4AD	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,665:11:0	
443	97	259	21:11:29.066	117GC105A106A4AE	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,665:21:0	
444	97	259	21:13:00.400	117GC105A106A4AF	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,666:67:0	
445	97	259	21:13:07.066	117GC105A106A4AG	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,666:77:0	
446	97	259	21:14:38.400	117GC105A106A4AH	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,668:32:0	
447	97	259	21:14:45.066	117GC105A106A4AI	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,668:42:0	
448	97	259	21:15:17.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 413.09 +/-	4R3	4	0	4,133,668:90:0	
449	97	259	21:15:17.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,668:90:0	
450	97	259	21:15:18.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 413.21 +/-	4R3	4	0	4,133,669:01:1	
451	97	259	21:15:23.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 414.45 +/-	4R3	4	0	4,133,669:09:0	
452	97	259	21:15:24.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 414.51 +/-	4R3	4	0	4,133,669:10:8	
453	97	259	21:15:26.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 414.39 +/-	4R3	4	0	4,133,669:12:9	
454	97	259	21:15:45.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 410.00 +/-	4R3	4	0	4,133,669:41:0	
455	97	259	21:16:07.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 404.68 +/-	4R3	4	0	4,133,669:75:0	
456	97	259	21:16:07.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,669:75:0	
457	97	259	21:16:08.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 404.63 +/-	4R3	4	0	4,133,669:76:8	
458	97	259	21:16:16.400	117GC105A106A4AJ	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,669:88:0	
459	97	259	21:16:23.066	117GC105A106A4AK	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,670:07:0	
460	97	259	21:17:54.400	117GC105A106A4AL	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,671:53:0	
461	97	259	21:18:01.066	117GC105A106A4AM	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,671:63:0	
462	97	259	21:19:32.400	117GC105A106A4AN	7STRP	-0.026706,-0.001	Slew =12.01	4R3	4	0	4,133,673:18:0	
463	97	259	21:19:39.066	117GC105A106A4AO	7STRP	0.027007,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,673:28:0	
464	97	259	21:21:10.400	117GC105A106B4A	7STRP	-0.027507,0.0294	Slew =12.01	4R3	4	0	4,133,674:74:0	
465	97	259	21:21:21.733	117GC105A106B4B	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,675:00:0	
466	97	259	21:23:10.400	117GC105A106C4A	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,676:72:0	
467	97	259	21:23:17.066	117GC105A106C4B	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,676:82:0	
468	97	259	21:25:05.733	117GC105A106C4C	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,678:63:0	
469	97	259	21:25:12.400	117GC105A106C4D	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,678:73:0	
470	97	259	21:27:01.066	117GC105A106C4E	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,680:54:0	
471	97	259	21:27:07.733	117GC105A106C4F	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,680:64:0	
472	97	259	21:28:56.400	117GC105A106C4G	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,682:45:0	
473	97	259	21:29:03.066	117GC105A106C4H	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,682:55:0	
474	97	259	21:29:41.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 404.63 +/-	4R3	4	0	4,133,683:22:0	
475	97	259	21:29:41.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,683:22:0	
476	97	259	21:29:43.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 404.74 +/-	4R3	4	0	4,133,683:24:1	
477	97	259	21:29:48.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 405.98 +/-	4R3	4	0	4,133,683:32:0	
478	97	259	21:29:49.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 406.04 +/-	4R3	4	0	4,133,683:33:8	
479	97	259	21:29:51.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 405.92 +/-	4R3	4	0	4,133,683:35:9	
480	97	259	21:30:09.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 401.53 +/-	4R3	4	0	4,133,683:64:0	
481	97	259	21:30:32.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,684:07:0	
482	97	259	21:30:32.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 396.22 +/-	4R3	4	0	4,133,684:07:0	
483	97	259	21:30:33.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 396.16 +/-	4R3	4	0	4,133,684:08:8	
484	97	259	21:30:51.733	117GC105A106C4I	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,684:36:0	
485	97	259	21:30:58.400	117GC105A106C4J	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,684:46:0	
486	97	259	21:32:47.066	117GC105A106C4K	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,686:27:0	
487	97	259	21:32:53.733	117GC105A106C4L	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,686:37:0	
488	97	259	21:34:42.400	117GC105A106C4M	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,688:18:0	
489	97	259	21:34:49.066	117GC105A106C4N	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,688:28:0	
490	97	259	21:36:37.733	117GC105A106C4O	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,690:09:0	
491	97	259	21:36:44.400	117GC105A106C4P	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,690:19:0	
492	97	259	21:38:33.066	117GC105A106C4Q	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,692:00:0	
493	97	259	21:38:39.733	117GC105A106C4R	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,692:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	259	21:40:28.400	117GC105A106C4S	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,693	82:0
495	97	259	21:40:35.066	117GC105A106C4T	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,694	01:0
496	97	259	21:42:23.733	117GC105A106C4U	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,695	73:0
497	97	259	21:42:30.400	117GC105A106C4V	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,695	83:0
498	97	259	21:44:06.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 396.16 +/-	4R3	4	0	4,133,697	45:0
499	97	259	21:44:06.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,697	45:0
500	97	259	21:44:07.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 396.28 +/-	4R3	4	0	4,133,697	47:1
501	97	259	21:44:13.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 397.51 +/-	4R3	4	0	4,133,697	55:0
502	97	259	21:44:14.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 397.57 +/-	4R3	4	0	4,133,697	56:8
503	97	259	21:44:15.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 397.45 +/-	4R3	4	0	4,133,697	58:9
504	97	259	21:44:19.066	117GC105A106C4W	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,697	64:0
505	97	259	21:44:25.733	117GC105A106C4X	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,697	74:0
506	97	259	21:44:34.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 393.06 +/-	4R3	4	0	4,133,697	87:0
507	97	259	21:44:57.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 387.75 +/-	4R3	4	0	4,133,698	30:0
508	97	259	21:44:57.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,698	30:0
509	97	259	21:44:58.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 387.69 +/-	4R3	4	0	4,133,698	31:8
510	97	259	21:46:14.400	117GC105A106C4Y	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,699	55:0
511	97	259	21:46:21.066	117GC105A106C4Z	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,699	65:0
512	97	259	21:48:09.733	117GC105A106C4AA	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,701	46:0
513	97	259	21:48:16.400	117GC105A106C4AB	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,701	56:0
514	97	259	21:50:05.066	117GC105A106C4AC	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,703	37:0
515	97	259	21:50:11.733	117GC105A106C4AD	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,703	47:0
516	97	259	21:52:00.400	117GC105A106C4AE	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,705	28:0
517	97	259	21:52:07.066	117GC105A106C4AF	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,705	38:0
518	97	259	21:53:55.733	117GC105A106C4AG	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,707	19:0
519	97	259	21:54:02.400	117GC105A106C4AH	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,707	29:0
520	97	259	21:55:51.066	117GC105A106C4AI	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,709	10:0
521	97	259	21:55:57.733	117GC105A106C4AJ	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,709	20:0
522	97	259	21:57:46.400	117GC105A106C4AK	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,711	01:0
523	97	259	21:57:53.066	117GC105A106C4AL	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,711	11:0
524	97	259	21:58:31.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 387.69 +/-	4R3	4	0	4,133,711	68:0
525	97	259	21:58:31.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,711	68:0
526	97	259	21:58:32.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 387.81 +/-	4R3	4	0	4,133,711	70:1
527	97	259	21:58:37.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 389.04 +/-	4R3	4	0	4,133,711	78:0
528	97	259	21:58:38.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 389.10 +/-	4R3	4	0	4,133,711	79:8
529	97	259	21:58:40.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 388.98 +/-	4R3	4	0	4,133,711	81:9
530	97	259	21:58:59.066		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 384.59 +/-	4R3	4	0	4,133,712	19:0
531	97	259	21:59:21.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 379.28 +/-	4R3	4	0	4,133,712	53:0
532	97	259	21:59:21.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,712	53:0
533	97	259	21:59:22.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 379.22 +/-	4R3	4	0	4,133,712	54:8
534	97	259	21:59:41.733	117GC105A106C4AM	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,712	83:0
535	97	259	21:59:48.400	117GC105A106C4AN	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,713	02:0
536	97	259	22:01:37.066	117GC105A106C4AO	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,714	74:0
537	97	259	22:01:43.733	117GC105A106C4AP	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,714	84:0
538	97	259	22:03:32.400	117GC105A106C4AQ	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,716	65:0
539	97	259	22:03:39.066	117GC105A106C4AR	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,716	75:0
540	97	259	22:05:27.733	117GC105A106C4AS	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,718	56:0
541	97	259	22:05:34.400	117GC105A106C4AT	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,718	66:0
542	97	259	22:07:23.066	117GC105A106C4AU	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,720	47:0
543	97	259	22:07:29.733	117GC105A106C4AV	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,720	57:0
544	97	259	22:09:18.400	117GC105A106C4AW	7STRP	-0.032161,0.0015	Slew =12.01	4R3	4	0	4,133,722	38:0
545	97	259	22:09:25.066	117GC105A106C4AX	7STRP	0.032511,0.0,0,0	Slew =,0.31	4R3	4	0	4,133,722	48:0
546	97	259	22:11:13.733	176GC6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,724	29:0
547	97	259	22:11:13.733	117GC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,724	29:0
548	97	259	22:11:15.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,724	32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	259	22:11:15.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 379.22 +/-	4R3	4	0	4,133,724:32:0	
550	97	259	22:11:17.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 379.34 +/-	4R3	4	0	4,133,724:34:1	
551	97	259	22:11:22.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 380.57 +/-	4R3	4	0	4,133,724:42:0	
552	97	259	22:11:23.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 380.63 +/-	4R3	4	0	4,133,724:43:8	
553	97	259	22:11:25.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 380.51 +/-	4R3	4	0	4,133,724:45:9	
554	97	259	22:11:25.733		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 380.34 +/-	4R3	4	0	4,133,724:47:0	
555	97	259	22:11:45.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,724:77:0	
556	97	259	22:11:45.733		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 375.65 +/-	4R3	4	0	4,133,724:77:0	
557	97	259	22:11:46.933		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 375.59 +/-	4R3	4	0	4,133,724:78:8	
558	97	259	22:14:57.066	192GD4A	**7CONE**	**17.4,0.0**	**Check S/P Position**	4R3	4	0	4,133,728:00:0	
559	97	259	22:18:59.733	176GD6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,133,732:00:0	
560	97	259	22:20:00.400	176GD6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,733:00:0	
561	97	259	22:20:02.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,733:03:0	
562	97	259	22:20:02.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 375.59 +/-	4R3	4	0	4,133,733:03:0	
563	97	259	22:20:03.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 375.71 +/-	4R3	4	0	4,133,733:05:1	
564	97	259	22:20:09.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 376.95 +/-	4R3	4	0	4,133,733:13:0	
565	97	259	22:20:10.266		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 377.01 +/-	4R3	4	0	4,133,733:14:8	
566	97	259	22:20:11.666		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC * 376.89 +/-	4R3	4	0	4,133,733:16:9	
567	97	259	22:20:12.400		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 376.72 +/-	4R3	4	0	4,133,733:18:0	
568	97	259	22:20:22.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 374.37 +/-	4R3	4	0	4,133,733:33:0	
569	97	259	22:20:22.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,733:33:0	
570	97	259	22:20:23.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 374.31 +/-	4R3	4	0	4,133,733:34:8	
571	97	259	22:27:05.066		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 374.31 +/-	4R3	4	0	4,133,740:00:0	
572	97	259	22:27:05.066	411JA6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,740:00:0	
573	97	259	22:27:06.466		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 374.43 +/-	4R3	4	0	4,133,740:02:1	
574	97	259	22:27:11.733		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 375.67 +/-	4R3	4	0	4,133,740:10:0	
575	97	259	22:27:12.933		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 375.73 +/-	4R3	4	0	4,133,740:11:8	
576	97	259	22:27:14.333		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 375.61 +/-	4R3	4	0	4,133,740:13:9	
577	97	259	22:27:14.333		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 375.61 +/-	4R3	4	0	4,133,740:13:9	
578	97	259	22:27:15.066	411JA6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,133,740:15:0	
579	97	259	22:29:16.400	411JA6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,742:15:0	
580	97	259	22:29:19.066	175TL176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,742:19:0	
581	97	259	22:29:19.733	175TL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,742:20:0	
582	97	259	22:29:26.400	175TL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,742:30:0	
583	97	259	22:29:26.400		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 344.65 +/-	4R3	4	0	4,133,742:30:0	
584	97	259	22:29:27.600		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 344.59 +/-	4R3	4	0	4,133,742:31:8	
585	97	259	22:53:21.733	165CD4A	7SCAN	NORM,224.546999,	Check S/P Position	4R3	4	0	4,133,765:90:0	
586	97	259	22:57:15.733	175CD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,769:77:0	
587	97	259	22:57:15.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 344.59 +/-	4R3	4	0	4,133,769:77:0	
588	97	259	22:57:17.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 344.71 +/-	4R3	4	0	4,133,769:79:1	
589	97	259	22:57:22.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 345.95 +/-	4R3	4	0	4,133,769:87:0	
590	97	259	22:57:23.600		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 346.01 +/-	4R3	4	0	4,133,769:88:8	
591	97	259	22:57:24.400	175CD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,769:90:0	
592	97	259	22:57:25.000		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 345.89 +/-	4R3	4	0	4,133,769:90:9	
593	97	259	22:57:25.000		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 345.89 +/-	4R3	4	0	4,133,769:90:9	
594	97	259	23:03:37.066	175CD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,776:12:0	
595	97	259	23:03:37.066		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 258.68 +/-	4R3	4	0	4,133,776:12:0	
596	97	259	23:03:38.266		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 258.63 +/-	4R3	4	0	4,133,776:13:8	
597	97	259	23:28:44.400	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R3	4	0	4,133,800:89:0	
598	97	259	23:31:53.733	20YC6A	6HICON			4R3	4	0	4,133,804:09:0	
599	97	259	23:32:41.733	465KA6A	6DTRN	CMD,6DTRN,465KA6	DMS TRACK TURNAROUND	4R3	4	0	4,133,804:81:0	
600	97	259	23:32:41.733		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 258.63 +/-	4R3	4	0	4,133,804:81:0	
601	97	259	23:32:41.733		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 258.63 +/-	4R3	4	0	4,133,804:81:0	
602	97	259	23:32:43.133		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 258.74 +/-	4R3	4	0	4,133,804:83:1	
603	97	259	23:32:48.400	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,133,805:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
604	97	259	23:32:48.400		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 259.98 +/-	4R3	4	0	4,133,805:00:0
605	97	259	23:32:49.600		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 260.04 +/-	4R3	4	0	4,133,805:01:8
606	97	259	23:32:51.000		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 259.92 +/-	4R3	4	0	4,133,805:03:9
607	97	259	23:37:07.133		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	4R3	4	0	4,133,809:24:1
608	97	259	23:37:08.333		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	4R3	4	0	4,133,809:25:9
609	97	259	23:37:08.333		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	4R3	4	0	4,133,809:25:9
610	97	259	23:37:09.733		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	4R3	4	0	4,133,809:28:0
611	97	259	23:37:21.733		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	4R3	4	0	4,133,809:46:0
612	97	259	23:37:22.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	4R3	4	0	4,133,809:47:8
613	97	259	23:44:00.400	20OA6A	6HICON			4R3	4	0	4,133,816:07:0
614	97	259	23:44:56.400	465KL6A	6DMST	215	DMS Slew to TIC	4R3	4	0	4,133,817:00:0
615	97	259	23:44:56.400		DMS:	: *TURNARND	P7, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,133,817:00:0
616	97	259	23:44:56.400		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,133,817:00:0
617	97	259	23:44:56.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,133,817:00:0
618	97	259	23:45:03.066		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	4R3	4	0	4,133,817:10:0
619	97	259	23:45:04.466		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	4R3	4	0	4,133,817:12:1
620	97	259	23:45:49.200		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 212.94 +/-	4R3	4	0	4,133,817:79:2
621	97	259	23:45:50.400		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 213.00 +/-	4R3	4	0	4,133,817:81:0
622	97	259	23:48:48.400	175TB422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,820:75:0
623	97	259	23:48:48.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 213.00 +/-	4R3	4	0	4,133,820:75:0
624	97	259	23:48:55.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 213.00 +/-	4R3	4	0	4,133,820:85:0
625	97	259	23:48:56.400	282NB431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	4R3	4	0	4,133,820:87:0
626	97	259	23:48:56.400	175TB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,820:87:0
627	97	259	23:48:56.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 213.12 +/-	4R3	4	0	4,133,820:87:1
628	97	259	23:48:56.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC * 213.12 +/-	4R3	4	0	4,133,820:87:1
629	97	259	23:48:59.066	431MA6A	6RCSEL	DDSSEL,PLSNCG,EP	Record Select (DDS onl	4R3	4	0	4,133,821:00:0
630	97	259	23:49:00.400	432OG6A	6RTSL1		R/T Select of DDS and	4R3	4	0	4,133,821:02:0
631	97	259	23:52:00.400	428JA6A	6RCCLR			4R3	4	0	4,133,823:90:0
632	97	259	23:52:01.066	428JA6B	6RCSET	14		4R3	4	0	4,133,824:00:0
633	97	259	23:53:01.066	165IA4A	7SCAN	NORM,234.466,-15	Check S/P Position	4R3	4	0	4,133,824:90:0
634	97	259	23:53:06.400	488AO6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,133,825:07:0
635	97	259	23:55:55.733	118IA	**SMOS**	GS		4R3	4	0	4,133,827:79:0
636	97	259	23:55:59.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC * 312.17 +/-	4R3	4	0	4,133,827:84:0
637	97	259	23:55:59.066	175IA422A6A	6DMSC	R806,1	DMS Control	4R3	4	0	4,133,827:84:0
638	97	259	23:56:00.266		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC * 312.23 +/-	4R3	4	0	4,133,827:85:8
639	97	259	23:56:02.400	165IA4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,827:89:0
640	97	259	23:56:05.066	175IA176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,133,828:02:0
641	97	259	23:56:05.533		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC * 378.23 +/-	4R3	4	0	4,133,828:02:7
642	97	259	23:56:05.533		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 378.23 +/-	4R3	4	0	4,133,828:02:7
643	97	259	23:56:05.733	118IA110A111A4A	7STRP	-0.0005,-0.007,2	Slew =,3.01	4R3	4	0	4,133,828:03:0
644	**97**	**259**	**23:57:08.067**	**10CNASGARD01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
645	97	259	23:57:41.066	118IA11A	**SMOS**	GE		4R3	4	0	4,133,829:55:0
646	97	259	23:57:47.733	175TC422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,829:65:0
647	97	259	23:57:47.733		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *2893.30 +/-	4R3	4	0	4,133,829:65:0
648	97	259	23:57:50.466		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *2904.80 +/-	4R3	4	0	4,133,829:69:1
649	97	259	23:57:51.733	175TC176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,829:71:0
650	97	259	23:57:51.866		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 2904.92 +/-	4R3	4	0	4,133,829:71:2
651	97	259	23:57:51.866		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *2904.92 +/-	4R3	4	0	4,133,829:71:2
652	97	259	23:58:04.400	428JC6A	6RCCLR			4R3	4	0	4,133,829:90:0
653	97	259	23:58:04.400	165DB4A	7SCAN	NORM,240.127998,	Check S/P Position	4R3	4	0	4,133,829:90:0
654	97	259	23:58:05.066	428JC6B	6RCSET	12		4R3	4	0	4,133,830:00:0
655	**97**	**259**	**23:59:01.066**	**127DB4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,133,830:84:0**
656	97	259	23:59:01.066	127DB	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,133,830:84:0
657	**97**	**259**	**23:59:01.733**	**127DB4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,133,830:85:0**
658	97	259	23:59:09.733	127DB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,133,831:06:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	259	23:59:57.066	117DB	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,133,831	77:0
660	97	259	23:59:57.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *2934.42 +/-	4R1	4	0	4,133,831	78:0
661	97	259	23:59:57.733	175DB422A6A	6DMSC	R28,1	DMS Control	4R1	4	0	4,133,831	78:0
662	97	259	23:59:58.933		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *2934.48 +/-	4R1	4	0	4,133,831	79:8
663	97	260	00:00:00.400	481UC4A	7VECT	BB1	Inert vect update UTC	4R1	4	0	4,133,831	82:0
664	97	260	00:00:02.933		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *2935.98 +/-	4R1	4	0	4,133,831	85:8
665	97	260	00:00:02.933		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 2935.98 +/-	4R1	4	0	4,133,831	85:8
666	97	260	00:00:03.066	175DB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R1	4	0	4,133,831	86:0
667	97	260	00:00:05.066	165DB4B	7VECT		Inert vect update UTC	4R1	4	0	4,133,831	89:0
668	97	260	00:00:06.400	117DB105A106A4A	7STRP	0.032211,0.0,0,0	Slew =,0.06	4R1	4	0	4,133,832	00:0
669	**97**	**260**	**00:00:06.400**	**10CNASGARD01-**	**NIMPBK**	**301DB**	**ASGARD BASIN OBSERVATION**	**4R1**	**4**	**0**	**: :**	
670	97	260	00:04:08.400	428JD6A	6RCCLR			4R1	4	0	4,133,835	90:0
671	97	260	00:04:09.066	428JD6B	6RCSET		8	4R1	4	0	4,133,836	00:0
672	**97**	**260**	**00:09:05.066**	**10CNASGARD01-**	**DESELC**	**300DB**	**ASGARD BASIN OBSERVATION**	**4R1**	**4**	**0**	**: :**	
673	97	260	00:09:07.066	175TD422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R1	4	0	4,133,840	83:0
674	97	260	00:09:07.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3414.23 +/-	4R1	4	0	4,133,840	83:0
675	97	260	00:09:07.733	117DB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,133,840	84:0
676	97	260	00:09:08.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3414.53 +/-	4R1	4	0	4,133,840	84:8
677	97	260	00:09:09.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3414.65 +/-	4R1	4	0	4,133,840	86:9
678	97	260	00:09:09.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3414.65 +/-	4R1	4	0	4,133,840	86:9
679	97	260	00:09:09.733	175TD176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R1	4	0	4,133,840	87:0
680	97	260	00:09:11.733	165CE4A	7SCAN	NORM,228.969,-24	Check S/P Position	4R1	4	0	4,133,840	90:0
681	**97**	**260**	**00:09:16.067**	**10CNASGARD01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
682	97	260	00:14:15.066	428JE6A	6RCCLR			4R1	4	0	4,133,845	90:0
683	97	260	00:14:15.733	428JE6B	6RCSET		12	4R1	4	0	4,133,846	00:0
684	97	260	00:18:17.733	165CF4A	7SCAN	NORM,36.209,13.3	Check S/P Position	4R1	4	0	4,133,849	90:0
685	**97**	**260**	**00:20:23.399**	**10CNBRTLMB01+**		**-----START------**		**4R1**	**4**	**0**	**: :**	
686	97	260	00:21:14.400	175CC422A6A	6DMSC	R28,1	DMS Control	4R1	4	0	4,133,852	82:0
687	97	260	00:21:14.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3584.51 +/-	4R1	4	0	4,133,852	82:0
688	97	260	00:21:15.600		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *3584.57 +/-	4R1	4	0	4,133,852	83:8
689	97	260	00:21:19.600		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3586.07 +/-	4R1	4	0	4,133,852	89:8
690	97	260	00:21:19.600		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3586.07 +/-	4R1	4	0	4,133,852	89:8
691	97	260	00:21:19.733	175CC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R1	4	0	4,133,852	90:0
692	**97**	**260**	**00:21:24.400**	**10CNBRTLMB01+**	**NIMPBK**	**301DC**	**NIMS CALLISTO BRIGHT LIMB (OH)**	**4R1**	**4**	**0**	**: :**	
693	97	260	00:27:23.733	165DC4A	7SCAN	NORM,36.242,18.5	Check S/P Position	4R1	4	0	4,133,858	90:0
694	97	260	00:27:24.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *3906.69 +/-	4R1	4	0	4,133,859	00:0
695	97	260	00:27:24.400	175TE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R1	4	0	4,133,859	00:0
696	97	260	00:27:25.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *3906.99 +/-	4R1	4	0	4,133,859	01:8
697	97	260	00:27:27.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 3907.11 +/-	4R1	4	0	4,133,859	03:9
698	97	260	00:27:27.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *3907.11 +/-	4R1	4	0	4,133,859	03:9
699	97	260	00:27:27.066	175TE176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R1	4	0	4,133,859	04:0
700	**97**	**260**	**00:27:27.733**	**10CNBRTLMB01+**	**DESELC**	**300DC**	**NIMS CALLISTO BRIGHT LIMB (OH)**	**4R1**	**4**	**0**	**: :**	
701	**97**	**260**	**00:27:28.066**	**10CNPALIMP01-**		**-----START------**		**4R1**	**4**	**0**	**: :**	
702	**97**	**260**	**00:27:28.066**	**10CNBRTLMB01+**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**	
703	97	260	00:28:20.400	127DC	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,133,859	84:0
704	**97**	**260**	**00:28:20.400**	**127DC4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,133,859**	**84:0**
705	**97**	**260**	**00:28:21.066**	**127DC4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,133,859**	**85:0**
706	97	260	00:28:29.066	127DC11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,133,860	06:0
707	97	260	00:29:16.400	117DC	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,860	77:0
708	97	260	00:29:17.066	175DC422A6A	6DMSC	R28,1	DMS Control	4R3	4	0	4,133,860	78:0
709	97	260	00:29:17.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *3932.91 +/-	4R3	4	0	4,133,860	78:0
710	97	260	00:29:18.266		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *3932.97 +/-	4R3	4	0	4,133,860	79:8
711	97	260	00:29:22.266		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *3934.47 +/-	4R3	4	0	4,133,860	85:8
712	97	260	00:29:22.266		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 3934.47 +/-	4R3	4	0	4,133,860	85:8
713	97	260	00:29:22.400	175DC176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,133,860	86:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
714	97	260	00:29:24.400	165DC4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,860:89:0
715	**97**	**260**	**00:29:25.733**	**10CNPALIMP01-**	**NIMPBK**	**301DD**	**VALHALLA PALIMPSEST SPECTROSCOPY**	**4R3**	**4**	**0**	**: :**
716	97	260	00:29:25.733	117DC105A106A4A	7STRP	0.0088,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,133,861:00:0
717	97	260	00:31:26.400	428JH6A	6RCCLR			4R3	4	0	4,133,862:90:0
718	97	260	00:31:27.066	428JH6B	6RCSET	14		4R3	4	0	4,133,863:00:0
719	97	260	00:34:26.400	117DC11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,865:87:0
720	**97**	**260**	**00:34:26.400**	**10CNPALIMP01-**	**DESELC**	**300DD**	**VALHALLA PALIMPSEST SPECTROSCOPY**	**4R3**	**4**	**0**	**: :**
721	97	260	00:34:27.066		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *4202.36 +/-	4R3	4	0	4,133,865:88:0
722	97	260	00:34:27.066	175TF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,865:88:0
723	97	260	00:34:28.266		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4202.66 +/-	4R3	4	0	4,133,865:89:8
724	97	260	00:34:28.400	165ID4A	7SCAN	NORM,17.039,12.2	Check S/P Position	4R3	4	0	4,133,865:90:0
725	97	260	00:34:29.666		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4202.78 +/-	4R3	4	0	4,133,866:00:9
726	97	260	00:34:29.666		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4202.78 +/-	4R3	4	0	4,133,866:00:9
727	97	260	00:34:29.733	175TF176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,866:01:0
728	**97**	**260**	**00:34:32.733**	**10CNPALIMP01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
729	97	260	00:35:25.066	175IB422A6A	6DMSC	R806,1	DMS Control	4R3	4	0	4,133,866:84:0
730	97	260	00:35:25.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4215.76 +/-	4R3	4	0	4,133,866:84:0
731	97	260	00:35:26.266		DMS:	: *RUNUP	R806, TRACK 1, FWD, TIC *4215.82 +/-	4R3	4	0	4,133,866:85:8
732	97	260	00:35:28.400	165ID4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,866:89:0
733	97	260	00:35:31.066	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,133,867:02:0
734	97	260	00:35:31.533		DMS:	**: *RECORD**	R806, TRACK 1, FWD, TIC *4281.82 +/-	4R3	4	0	4,133,867:02:7
735	97	260	00:35:31.533		DMS:	: *AT_SPD	R806, TRACK 1, FWD, TIC 4281.82 +/-	4R3	4	0	4,133,867:02:7
736	**97**	**260**	**00:35:33.399**	**10CNSMTHPL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
737	97	260	00:35:38.400	175TG422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,867:13:0
738	97	260	00:35:38.400		DMS:	**: *RUNDOWN**	R806, TRACK 1, FWD, TIC *4450.81 +/-	4R3	4	0	4,133,867:13:0
739	97	260	00:35:41.133		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *4462.31 +/- 1	4R3	4	0	4,133,867:17:1
740	97	260	00:35:42.400	175TG176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,133,867:19:0
741	97	260	00:35:42.533		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *4462.43 +/- 1	4R3	4	0	4,133,867:19:2
742	97	260	00:35:42.533		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 4462.43 +/- 1	4R3	4	0	4,133,867:19:2
743	97	260	00:36:25.733	127DD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,133,867:84:0
744	**97**	**260**	**00:36:25.733**	**127DD4A**	**37IOP**	**1,0**	**Full Map, Grating Start Position =00**	**4R1**	**4**	**0**	**4,133,867:84:0**
745	**97**	**260**	**00:36:26.400**	**127DD4B**	**37ETB**	**04,C4,1B,FF,FF**	**Loads wavelength edit table**	**4R1**	**4**	**0**	**4,133,867:85:0**
746	97	260	00:36:29.733	165DD4A	7SCAN	NORM,20.393,14.1	Check S/P Position	4R1	4	0	4,133,867:90:0
747	97	260	00:36:34.400	127DD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R1	4	0	4,133,868:06:0
748	97	260	00:37:21.733	117DD	**CSMOS**	GS	***** GROUP START CSMOS	4R1	4	0	4,133,868:77:0
749	97	260	00:37:22.400	175DD422A6A	6DMSC	R28,1	DMS Control	4R1	4	0	4,133,868:78:0
750	97	260	00:37:22.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *4485.83 +/- 1	4R1	4	0	4,133,868:78:0
751	97	260	00:37:23.600		DMS:	: *RUNUP	R28, TRACK 1, FWD, TIC *4485.89 +/- 1	4R1	4	0	4,133,868:79:8
752	97	260	00:37:27.600		DMS:	**: *RECORD**	R28, TRACK 1, FWD, TIC *4487.39 +/- 1	4R1	4	0	4,133,868:85:8
753	97	260	00:37:27.600		DMS:	: *AT_SPD	R28, TRACK 1, FWD, TIC 4487.39 +/- 1	4R1	4	0	4,133,868:85:8
754	97	260	00:37:27.733	175DD176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R1	4	0	4,133,868:86:0
755	97	260	00:37:29.733	165DD4B	7VECT		Inert vect update UTC	4R1	4	0	4,133,868:89:0
756	97	260	00:37:31.066	117DD105A106A4A	7STRP	0.019002,0.0,0,0	Slew =,0.06	4R1	4	0	4,133,869:00:0
757	**97**	**260**	**00:37:31.066**	**10CNSMTHPL01-**	**NIMPBK**	**301DE**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
758	**97**	**260**	**00:41:06.400**	**10CNSMTHPL01-**	**NIMPBK**	**301DW**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
759	**97**	**260**	**00:41:11.066**	**10CNSMTHPL01-**	**DESELC**	**300DE**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
760	97	260	00:42:57.066	117DD105A106A4B	7STRP	-0.019002,0.007,	Slew =12.01	4R1	4	0	4,133,874:34:0
761	97	260	00:43:07.066	117DD105A106A4C	7STRP	0.019002,0.0,0,0	Slew =,0.06	4R1	4	0	4,133,874:49:0
762	**97**	**260**	**00:44:41.066**	**10CNSMTHPL01-**	**NIMPBK**	**301DZ**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
763	**97**	**260**	**00:44:46.400**	**10CNSMTHPL01-**	**DESELC**	**300DW**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
764	**97**	**260**	**00:48:33.066**	**10CNSMTHPL01-**	**DESELC**	**300DZ**	**CNSMTHPL**	**4R1**	**4**	**0**	**: :**
765	97	260	00:48:33.066	117DD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R1	4	0	4,133,879:83:0
766	97	260	00:48:37.733	165IE4A	7SCAN	NORM,31.057,16.6	Check S/P Position	4R1	4	0	4,133,879:90:0
767	97	260	00:48:38.400	175TH422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R1	4	0	4,133,880:00:0
768	97	260	00:48:38.400		DMS:	**: *RUNDOWN**	R28, TRACK 1, FWD, TIC *5076.96 +/- 1	4R1	4	0	4,133,880:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
769	97	260	00:48:39.600		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC *5077.26 +/- 1	4R1	4	0	4,133,880:01:8
770	97	260	00:48:41.000		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5077.38 +/- 1	4R1	4	0	4,133,880:03:9
771	97	260	00:48:41.000		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5077.38 +/- 1	4R1	4	0	4,133,880:03:9
772	97	260	00:48:41.066	175TH176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R1	4	0	4,133,880:04:0
773	97	260	00:49:11.733	428JL6A	6RCCLR			4R1	4	0	4,133,880:50:0
774	97	260	00:49:31.066	118IE	**SMOS**	GS		4R1	4	0	4,133,880:79:0
775	97	260	00:49:37.066	432MA431A6A	6RCDSL	DDSDSL,PLSNCG,EP	Record Deselect (DDS o	4R1	4	0	4,133,880:88:0
776	97	260	00:49:37.733	165IE4B	7VECT		Inert vect update UTC	4R1	4	0	4,133,880:89:0
777	97	260	00:49:37.733	432MA6A	6RTSL1		R/T Select of DDS and	4R1	4	0	4,133,880:89:0
778	97	260	00:49:41.066	118IE110A111A4A	7STRP	0.007,0.0024,46,	Slew =,3.01	4R1	4	0	4,133,881:03:0
779	97	260	00:49:41.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5091.46 +/- 1	4R1	4	0	4,133,881:03:0
780	97	260	00:49:41.066	432OD431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4R1	4	0	4,133,881:03:0
781	97	260	00:49:41.066	175TH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,133,881:03:0
782	97	260	00:49:41.733	432OD6A	6RTSL1		R/T Select of DDS and	4R1	4	0	4,133,881:04:0
783	97	260	00:49:42.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5091.52 +/- 1	4R1	4	0	4,133,881:04:8
784	**97**	**260**	**00:49:42.733**	**10CNSMTHPL01-**		**-----STOP-------**		**4R1**	**4**	**0**	**: :**
785	97	260	00:49:45.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5091.52 +/- 1	4R1	4	0	4,133,881:09:0
786	97	260	00:49:45.066	175IC422A6A	6DMSC	R115,1	DMS Control	4R1	4	0	4,133,881:09:0
787	97	260	00:49:45.066	282NC431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R1	4	0	4,133,881:09:0
788	97	260	00:49:51.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5091.52 +/- 1	4R1	4	0	4,133,881:19:0
789	97	260	00:49:55.066	175IC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R1	4	0	4,133,881:24:0
790	97	260	00:49:55.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5097.82 +/- 1	4R1	4	0	4,133,881:25:0
791	97	260	00:49:55.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5097.82 +/- 1	4R1	4	0	4,133,881:25:0
792	97	260	00:49:56.400	118IE110A111A4B	7STRP	-0.00675,0.0045,	Slew =,3.01	4R1	4	0	4,133,881:26:0
793	97	260	00:50:11.733	118IE110A111A4C	7STRP	0.007,0.0024,46,	Slew =,3.01	4R1	4	0	4,133,881:49:0
794	97	260	00:50:27.066	118IE11A	**SMOS**	GE		4R1	4	0	4,133,881:72:0
795	97	260	00:50:33.733	282NC432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	4R1	4	0	4,133,881:82:0
796	97	260	00:50:34.400	282NC432A6A	6RTSL1		R/T Select of DDS and	4R1	4	0	4,133,881:83:0
797	97	260	00:50:39.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5252.51 +/- 1	4R1	4	0	4,133,882:00:0
798	97	260	00:50:39.733	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R1	4	0	4,133,882:00:0
799	97	260	00:50:40.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5253.51 +/- 1	4R1	4	0	4,133,882:01:8
800	97	260	00:50:42.400	488AO6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R1	4	0	4,133,882:04:0
801	**97**	**260**	**00:50:43.399**	**10CNVALHAL01-**		**-----START------**		**4R1**	**4**	**0**	**: :**
802	97	260	00:51:39.733	165DE4A	7SCAN	NORM,37.884,19.2	Check S/P Position	4R1	4	0	4,133,882:90:0
803	97	260	00:52:36.400	127DE	NIMSTAB	GS	%%%%% GROUP START TAB	4R1	4	0	4,133,883:84:0
804	**97**	**260**	**00:52:36.400**	**127DE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,133,883:84:0**
805	**97**	**260**	**00:52:37.066**	**127DE4B**	**37ETB**	**07,C7,02,00,F0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,133,883:85:0**
806	97	260	00:52:45.066	127DE11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,133,884:06:0
807	97	260	00:53:30.400	175DE422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,884:74:0
808	97	260	00:53:30.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5253.51 +/- 1	4R3	4	0	4,133,884:74:0
809	97	260	00:53:32.400	117DE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,884:77:0
810	97	260	00:53:37.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5253.51 +/- 1	4R3	4	0	4,133,884:84:0
811	97	260	00:53:38.400	175DE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,133,884:86:0
812	97	260	00:53:38.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5253.63 +/- 1	4R3	4	0	4,133,884:86:1
813	97	260	00:53:38.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5253.63 +/- 1	4R3	4	0	4,133,884:86:1
814	97	260	00:53:40.400	165DE4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,884:89:0
815	**97**	**260**	**00:53:41.733**	**10CNVALHAL01-**	**NIMPBK**	**301DF**	**VALHALLA BASIN/RINGS OBSERVATION**	**4R3**	**4**	**0**	**: :**
816	97	260	00:53:41.733	117DE105A106A4A	7STRP	-0.016001,0.0,0,	Slew =,0.03	4R3	4	0	4,133,885:00:0
817	**97**	**260**	**01:02:41.066**	**10CNVALHAL01-**	**DESELC**	**300DF**	**VALHALLA BASIN/RINGS OBSERVATION**	**4R3**	**4**	**0**	**: :**
818	97	260	01:02:41.066	117DE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,893:81:0
819	97	260	01:02:43.066	175DE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,893:84:0
820	97	260	01:02:43.066	175DE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,893:84:0
821	97	260	01:02:43.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5381.27 +/- 1	4R3	4	0	4,133,893:84:0
822	97	260	01:02:44.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5381.33 +/- 1	4R3	4	0	4,133,893:85:8
823	97	260	01:02:47.066	165IF4A	7SCAN	NORM,36.699,15.5	Check S/P Position	4R3	4	0	4,133,893:90:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	**97**	**260**	**01:02:51.399**	**10CNVALHAL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
825	97	260	01:03:39.066	175ID422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,133,894:77:0	
826	97	260	01:03:39.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5381.33 +/- 1	4R3	4	0	4,133,894:77:0	
827	97	260	01:03:45.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5381.33 +/- 1	4R3	4	0	4,133,894:87:0	
828	97	260	01:03:47.066	165IF4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,894:89:0	
829	97	260	01:03:49.066	175ID176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,133,895:01:0	
830	97	260	01:03:49.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5387.63 +/- 1	4R3	4	0	4,133,895:02:0	
831	97	260	01:03:49.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5387.63 +/- 1	4R3	4	0	4,133,895:02:0	
832	97	260	01:04:03.733	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,895:23:0	
833	97	260	01:04:03.733		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5436.85 +/- 1	4R3	4	0	4,133,895:23:0	
834	97	260	01:04:04.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5437.85 +/- 1	4R3	4	0	4,133,895:24:8	
835	97	260	01:04:48.400	165IG4A	7SCAN	NORM,35.975,19.8	Check S/P Position	4R3	4	0	4,133,895:90:0	
836	97	260	01:05:48.400	165IG4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,896:89:0	
837	97	260	01:05:53.733	118IG	**SMOS**	GS		4R3	4	0	4,133,897:06:0	
838	97	260	01:06:11.066	175IE422A6A	6DMSC	R115,1	DMS Control	4R3	4	0	4,133,897:32:0	
839	97	260	01:06:11.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5437.85 +/- 1	4R3	4	0	4,133,897:32:0	
840	97	260	01:06:17.733		DMS:	: *RUNUP	R115, TRACK 1, FWD, TIC 5437.85 +/- 1	4R3	4	0	4,133,897:42:0	
841	97	260	01:06:21.066	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,133,897:47:0	
842	97	260	01:06:21.733		DMS:	**: *RECORD**	R115, TRACK 1, FWD, TIC *5444.15 +/- 1	4R3	4	0	4,133,897:48:0	
843	97	260	01:06:21.733		DMS:	: *AT_SPD	R115, TRACK 1, FWD, TIC 5444.15 +/- 1	4R3	4	0	4,133,897:48:0	
844	97	260	01:06:22.400	118IG110A111A4A	7STRP	0.00725,0.0,46,0	Slew =,3.01	4R3	4	0	4,133,897:49:0	
845	97	260	01:06:37.733	118IG11A	**SMOS**	GE		4R3	4	0	4,133,897:72:0	
846	97	260	01:06:50.400	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,898:00:0	
847	97	260	01:06:50.400		DMS:	**: *RUNDOWN**	R115, TRACK 1, FWD, TIC *5544.93 +/- 1	4R3	4	0	4,133,898:00:0	
848	97	260	01:06:51.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5545.93 +/- 1	4R3	4	0	4,133,898:01:8	
849	**97**	**260**	**01:24:05.399**	**10CNCATENA01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
850	97	260	01:25:01.733	165DF4A	7SCAN	NORM,39.635,18.9	Check S/P Position	4R3	4	0	4,133,915:90:0	
851	97	260	01:28:14.400	175DF422A6A	6DMSC	R7,1	DMS Control Tape runup 7.68kbp	4R3	4	0	4,133,919:15:0	
852	97	260	01:28:14.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5545.93 +/- 1	4R3	4	0	4,133,919:15:0	
853	97	260	01:28:21.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5545.93 +/- 1	4R3	4	0	4,133,919:25:0	
854	97	260	01:28:22.400	175DF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,133,919:27:0	
855	97	260	01:28:22.466		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5546.05 +/- 1	4R3	4	0	4,133,919:27:1	
856	97	260	01:28:22.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC 5546.05 +/- 1	4R3	4	0	4,133,919:27:1	
857	97	260	01:28:55.733	117DF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,919:77:0	
858	97	260	01:29:03.733	165DF4B	7VECT		Inert vect update UTC	4R3	4	0	4,133,919:89:0	
859	97	260	01:29:05.066	117DF105A106A4A	7STRP	-0.020003,0.0,0,	Slew =,0.03	4R3	4	0	4,133,920:00:0	
860	**97**	**260**	**01:29:05.066**	**10CNCATENA01-**	**NIMPBK**	**301DG**	**GIPUL CATENA COVERAGE**	**4R3**	**4**	**0**	**: :**	
861	97	260	01:40:19.066	117DF105A106A4B	7STRP	0.022004,0.007,0	Slew =12.01	4R3	4	0	4,133,931:10:0	
862	97	260	01:40:29.066	117DF105A106A4C	7STRP	-0.020003,0.0,0,	Slew =,0.03	4R3	4	0	4,133,931:25:0	
863	97	260	01:44:49.733	488AO6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,935:52:0	
864	**97**	**260**	**01:51:41.733**	**10CNCATENA01-**	**DESELC**	**300DG**	**GIPUL CATENA COVERAGE**	**4R3**	**4**	**0**	**: :**	
865	97	260	01:51:43.066	117DF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,942:35:0	
866	97	260	01:52:06.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5879.78 +/- 1	4R3	4	0	4,133,942:70:0	
867	97	260	01:52:06.400	175DF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,942:70:0	
868	97	260	01:52:06.400	175DF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,942:70:0	
869	97	260	01:52:07.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5879.84 +/- 1	4R3	4	0	4,133,942:71:8	
870	**97**	**260**	**01:58:28.066**	**10CNCATENA01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
871	97	260	01:59:24.400	165GE4A	7SCAN	NORM,39.617,20.1	Check S/P Position	4R3	4	0	4,133,949:90:0	
872	97	260	02:00:16.400	117GE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,950:77:0	
873	97	260	02:00:25.733	117GE105A106A4A	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,951:00:0	
874	97	260	02:00:25.733	176GE6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,133,951:00:0	
875	97	260	02:00:53.733	117GE105A106A4B	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,951:42:0	
876	97	260	02:01:01.066	117GE105A106A4C	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,951:53:0	
877	97	260	02:01:29.066	117GE105A106A4D	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,952:04:0	
878	97	260	02:01:36.400	117GE105A106A4E	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,952:15:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	260	02:02:04.400	117GE105A106A4F	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,952:57:0	
880	97	260	02:02:11.733	117GE105A106A4G	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,952:68:0	
881	97	260	02:02:39.733	117GE105A106A4H	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,953:19:0	
882	97	260	02:02:47.066	117GE105A106A4I	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,953:30:0	
883	97	260	02:03:15.066	117GE105A106A4J	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,953:72:0	
884	97	260	02:03:22.400	117GE105A106A4K	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,953:83:0	
885	97	260	02:03:50.400	117GE105A106A4L	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,954:34:0	
886	97	260	02:03:57.733	117GE105A106A4M	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,954:45:0	
887	97	260	02:04:25.733	117GE105A106A4N	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,954:87:0	
888	97	260	02:04:33.066	117GE105A106A4O	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,955:07:0	
889	97	260	02:05:01.066	117GE105A106A4P	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,955:49:0	
890	97	260	02:05:08.400	117GE105A106A4Q	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,955:60:0	
891	97	260	02:05:36.400	117GE105A106A4R	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,956:11:0	
892	97	260	02:05:43.733	117GE105A106A4S	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,956:22:0	
893	97	260	02:06:11.733	117GE105A106A4T	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,956:64:0	
894	97	260	02:06:19.066	117GE105A106A4U	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,956:75:0	
895	97	260	02:06:47.066	117GE105A106A4V	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,957:26:0	
896	97	260	02:06:54.400	117GE105A106A4W	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,957:37:0	
897	97	260	02:07:22.400	117GE105A106A4X	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,957:79:0	
898	97	260	02:07:29.733	117GE105A106A4Y	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,957:90:0	
899	97	260	02:07:57.733	117GE105A106A4Z	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,958:41:0	
900	97	260	02:08:05.066	117GE105A106A4AA	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,958:52:0	
901	97	260	02:08:33.066	117GE105A106A4AB	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,959:03:0	
902	97	260	02:08:40.400	117GE105A106A4AC	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,959:14:0	
903	97	260	02:09:08.400	117GE105A106A4AD	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,959:56:0	
904	97	260	02:09:15.733	117GE105A106A4AE	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,959:67:0	
905	97	260	02:09:43.733	117GE105A106A4AF	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,960:18:0	
906	97	260	02:09:51.066	117GE105A106A4AG	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,960:29:0	
907	97	260	02:10:19.066	117GE105A106A4AH	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,960:71:0	
908	97	260	02:10:26.400	117GE105A106A4AI	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,960:82:0	
909	97	260	02:10:54.400	117GE105A106A4AJ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,961:33:0	
910	97	260	02:11:01.733	117GE105A106A4AK	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,961:44:0	
911	97	260	02:11:29.733	117GE105A106A4AL	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,961:86:0	
912	97	260	02:11:37.066	117GE105A106A4AM	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,962:06:0	
913	97	260	02:12:05.066	117GE105A106A4AN	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,962:48:0	
914	97	260	02:12:12.400	117GE105A106A4AO	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,962:59:0	
915	97	260	02:12:40.400	117GE105A106A4AP	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,963:10:0	
916	97	260	02:12:47.733	117GE105A106A4AQ	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,963:21:0	
917	97	260	02:13:00.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5879.84 +/- 1	4R3	4	0	4,133,963:40:0	
918	97	260	02:13:00.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,963:40:0	
919	97	260	02:13:07.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5879.84 +/- 1	4R3	4	0	4,133,963:50:0	
920	97	260	02:13:08.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5879.96 +/- 1	4R3	4	0	4,133,963:52:1	
921	97	260	02:13:15.733	117GE105A106A4AR	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,963:63:0	
922	97	260	02:13:23.066	117GE105A106A4AS	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,963:74:0	
923	97	260	02:13:25.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5884.01 +/- 1	4R3	4	0	4,133,963:78:0	
924	97	260	02:13:48.400	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,964:21:0	
925	97	260	02:13:48.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5889.32 +/- 1	4R3	4	0	4,133,964:21:0	
926	97	260	02:13:49.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5889.38 +/- 1	4R3	4	0	4,133,964:22:8	
927	97	260	02:13:51.066	117GE105A106A4AT	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,964:25:0	
928	97	260	02:13:58.400	117GE105A106A4AU	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,964:36:0	
929	97	260	02:14:26.400	117GE105A106A4AV	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,964:78:0	
930	97	260	02:14:33.733	117GE105A106A4AW	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,964:89:0	
931	97	260	02:15:01.733	117GE105A106A4AX	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,965:40:0	
932	97	260	02:15:09.066	117GE105A106A4AY	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,965:51:0	
933	97	260	02:15:37.066	117GE105A106A4AZ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,966:02:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	260	02:15:44.400	117GE105A106A4BA	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,966:13:0	
935	97	260	02:16:12.400	117GE105A106A4BB	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,966:55:0	
936	97	260	02:16:19.733	117GE105A106A4BC	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,966:66:0	
937	97	260	02:16:47.733	117GE105A106A4BD	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,967:17:0	
938	97	260	02:16:55.066	117GE105A106A4BE	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,967:28:0	
939	97	260	02:17:23.066	117GE105A106A4BF	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,967:70:0	
940	97	260	02:17:30.400	117GE105A106A4BG	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,967:81:0	
941	97	260	02:17:58.400	117GE105A106A4BH	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,968:32:0	
942	97	260	02:18:05.733	117GE105A106A4BI	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,968:43:0	
943	97	260	02:18:33.733	117GE105A106A4BJ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,968:85:0	
944	97	260	02:18:41.066	117GE105A106A4BK	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,969:05:0	
945	97	260	02:18:55.733	488AO6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,133,969:27:0	
946	97	260	02:19:09.066	117GE105A106A4BL	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,969:47:0	
947	97	260	02:19:16.400	117GE105A106A4BM	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,969:58:0	
948	97	260	02:19:44.400	117GE105A106A4BN	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,970:09:0	
949	97	260	02:19:51.733	117GE105A106A4BO	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,970:20:0	
950	97	260	02:20:19.733	117GE105A106A4BP	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,970:62:0	
951	97	260	02:20:27.066	117GE105A106A4BQ	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,970:73:0	
952	97	260	02:20:55.066	117GE105A106A4BR	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,971:24:0	
953	97	260	02:21:02.400	117GE105A106A4BS	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,971:35:0	
954	97	260	02:21:30.400	117GE105A106A4BT	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,971:77:0	
955	97	260	02:21:37.733	117GE105A106A4BU	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,971:88:0	
956	97	260	02:22:05.733	117GE105A106A4BV	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,972:39:0	
957	97	260	02:22:13.066	117GE105A106A4BW	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,972:50:0	
958	97	260	02:22:41.066	117GE105A106A4BX	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,973:01:0	
959	97	260	02:22:48.400	117GE105A106A4BY	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,973:12:0	
960	97	260	02:23:16.400	117GE105A106A4BZ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,973:54:0	
961	97	260	02:23:23.733	117GE105A106A4CA	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,973:65:0	
962	97	260	02:23:51.733	117GE105A106A4CB	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,974:16:0	
963	97	260	02:23:59.066	117GE105A106A4CC	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,974:27:0	
964	97	260	02:24:27.066	117GE105A106A4CD	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,974:69:0	
965	97	260	02:24:34.400	117GE105A106A4CE	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,974:80:0	
966	97	260	02:25:02.400	117GE105A106A4CF	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,975:31:0	
967	97	260	02:25:09.733	117GE105A106A4CG	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,975:42:0	
968	97	260	02:25:37.733	117GE105A106A4CH	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,975:84:0	
969	97	260	02:25:45.066	117GE105A106A4CI	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,976:04:0	
970	97	260	02:26:02.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5889.38 +/- 1	4R3	4	0	4,133,976:30:0	
971	97	260	02:26:02.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,976:30:0	
972	97	260	02:26:09.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5889.38 +/- 1	4R3	4	0	4,133,976:40:0	
973	97	260	02:26:10.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5889.50 +/- 1	4R3	4	0	4,133,976:42:1	
974	97	260	02:26:13.066	117GE105A106A4CJ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,976:46:0	
975	97	260	02:26:20.400	117GE105A106A4CK	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,976:57:0	
976	97	260	02:26:27.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5893.55 +/- 1	4R3	4	0	4,133,976:68:0	
977	97	260	02:26:48.400	117GE105A106A4CL	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,977:08:0	
978	97	260	02:26:50.400	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,977:11:0	
979	97	260	02:26:50.400		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5898.86 +/- 1	4R3	4	0	4,133,977:11:0	
980	97	260	02:26:51.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5898.92 +/- 1	4R3	4	0	4,133,977:12:8	
981	97	260	02:26:55.733	117GE105A106A4CM	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,977:19:0	
982	97	260	02:27:23.733	117GE105A106A4CN	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,977:61:0	
983	97	260	02:27:31.066	117GE105A106A4CO	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,977:72:0	
984	97	260	02:27:59.066	117GE105A106A4CP	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,978:23:0	
985	97	260	02:28:06.400	117GE105A106A4CQ	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,978:34:0	
986	97	260	02:28:34.400	117GE105A106A4CR	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,978:76:0	
987	97	260	02:28:41.733	117GE105A106A4CS	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,978:87:0	
988	97	260	02:29:09.733	117GE105A106A4CT	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,979:38:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	260	02:29:17.066	117GE105A106A4CU	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,979	49:0
990	97	260	02:29:45.066	117GE105A106A4CV	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,980	00:0
991	97	260	02:29:52.400	117GE105A106A4CW	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,980	11:0
992	97	260	02:30:20.400	117GE105A106A4CX	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,980	53:0
993	97	260	02:30:27.733	117GE105A106A4CY	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,980	64:0
994	97	260	02:30:55.733	117GE105A106A4CZ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,981	15:0
995	97	260	02:31:03.066	117GE105A106A4DA	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,981	26:0
996	97	260	02:31:31.066	117GE105A106A4DB	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,981	68:0
997	97	260	02:31:38.400	117GE105A106A4DC	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,981	79:0
998	97	260	02:32:06.400	117GE105A106A4DD	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,982	30:0
999	97	260	02:32:13.733	117GE105A106A4DE	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,982	41:0
1000	97	260	02:32:41.733	117GE105A106A4DF	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,982	83:0
1001	97	260	02:32:49.066	117GE105A106A4DG	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,983	03:0
1002	97	260	02:33:17.066	117GE105A106A4DH	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,983	45:0
1003	97	260	02:33:24.400	117GE105A106A4DI	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,983	56:0
1004	97	260	02:33:52.400	117GE105A106A4DJ	7STRP	0.04934,0.0015,0	Slew =12.01	4R3	4	0	4,133,984	07:0
1005	97	260	02:33:59.733	117GE105A106A4DK	7STRP	-0.04954,0.0,0,0	Slew =,2.01	4R3	4	0	4,133,984	18:0
1006	97	260	02:34:27.733	117GE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,133,984	60:0
1007	97	260	02:34:48.400	176GE6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,133,985	00:0
1008	97	260	02:34:50.400	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,133,985	03:0
1009	97	260	02:34:50.400		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5898.92 +/- 1	4R3	4	0	4,133,985	03:0
1010	97	260	02:34:57.066		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5898.92 +/- 1	4R3	4	0	4,133,985	13:0
1011	97	260	02:34:58.466		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5899.04 +/- 1	4R3	4	0	4,133,985	15:1
1012	97	260	02:35:00.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5899.50 +/- 1	4R3	4	0	4,133,985	18:0
1013	97	260	02:35:17.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,133,985	44:0
1014	97	260	02:35:17.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5903.56 +/- 1	4R3	4	0	4,133,985	44:0
1015	97	260	02:35:18.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5903.62 +/- 1	4R3	4	0	4,133,985	45:8
1016	97	260	02:36:49.066	165GF4A	7SCAN	NORM,42.405,15.9	Check S/P Position	4R3	4	0	4,133,986	90:0
1017	97	260	02:37:41.066	117GF	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,133,987	77:0
1018	97	260	02:37:50.400	117GF105A106A4A	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,988	00:0
1019	97	260	02:37:50.400	176GF6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,133,988	00:0
1020	97	260	02:39:10.400	117GF105A106A4B	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,989	29:0
1021	97	260	02:39:16.400	117GF105A106A4C	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,989	38:0
1022	97	260	02:40:36.400	117GF105A106A4D	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,990	67:0
1023	97	260	02:40:42.400	117GF105A106A4E	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,990	76:0
1024	97	260	02:42:02.400	117GF105A106A4F	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,992	14:0
1025	97	260	02:42:08.400	117GF105A106A4G	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,992	23:0
1026	97	260	02:43:28.400	117GF105A106A4H	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,993	52:0
1027	97	260	02:43:34.400	117GF105A106A4I	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,993	61:0
1028	97	260	02:44:54.400	117GF105A106A4J	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,994	90:0
1029	97	260	02:45:00.400	117GF105A106A4K	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,995	08:0
1030	97	260	02:46:20.400	117GF105A106A4L	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,996	37:0
1031	97	260	02:46:26.400	117GF105A106A4M	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,996	46:0
1032	97	260	02:47:46.400	117GF105A106A4N	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,997	75:0
1033	97	260	02:47:52.400	117GF105A106A4O	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,997	84:0
1034	97	260	02:49:12.400	117GF105A106A4P	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,133,999	22:0
1035	97	260	02:49:18.400	117GF105A106A4Q	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,133,999	31:0
1036	97	260	02:50:25.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,000	40:0
1037	97	260	02:50:25.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5903.62 +/- 1	4R3	4	0	4,134,000	40:0
1038	97	260	02:50:31.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5903.62 +/- 1	4R3	4	0	4,134,000	50:0
1039	97	260	02:50:33.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5903.74 +/- 1	4R3	4	0	4,134,000	52:1
1040	97	260	02:50:38.400	117GF105A106A4R	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,000	60:0
1041	97	260	02:50:44.400	117GF105A106A4S	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,000	69:0
1042	97	260	02:50:50.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5907.79 +/- 1	4R3	4	0	4,134,000	78:0
1043	97	260	02:51:13.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5913.10 +/- 1	4R3	4	0	4,134,001	21:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	260	02:51:13.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,001:21:0	
1045	97	260	02:51:14.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5913.16 +/- 1	4R3	4	0	4,134,001:22:8	
1046	97	260	02:52:04.400	117GF105A106A4T	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,002:07:0	
1047	97	260	02:52:10.400	117GF105A106A4U	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,002:16:0	
1048	97	260	02:53:30.400	117GF105A106A4V	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,003:45:0	
1049	97	260	02:53:36.400	117GF105A106A4W	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,003:54:0	
1050	97	260	02:54:56.400	117GF105A106A4X	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,004:83:0	
1051	97	260	02:55:02.400	117GF105A106A4Y	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,005:01:0	
1052	97	260	02:56:22.400	117GF105A106A4Z	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,006:30:0	
1053	97	260	02:56:28.400	117GF105A106A4AA	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,006:39:0	
1054	97	260	02:57:48.400	117GF105A106A4AB	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,007:68:0	
1055	97	260	02:57:54.400	117GF105A106A4AC	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,007:77:0	
1056	97	260	02:59:14.400	117GF105A106A4AD	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,009:15:0	
1057	97	260	02:59:20.400	117GF105A106A4AE	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,009:24:0	
1058	97	260	03:00:40.400	117GF105A106A4AF	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,010:53:0	
1059	97	260	03:00:46.400	117GF105A106A4AG	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,010:62:0	
1060	97	260	03:02:06.400	117GF105A106A4AH	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,012:00:0	
1061	97	260	03:02:12.400	117GF105A106A4AI	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,012:09:0	
1062	97	260	03:03:27.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,013:30:0	
1063	97	260	03:03:27.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5913.16 +/- 1	4R3	4	0	4,134,013:30:0	
1064	97	260	03:03:32.400	117GF105A106A4AJ	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,013:38:0	
1065	97	260	03:03:33.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5913.16 +/- 1	4R3	4	0	4,134,013:40:0	
1066	97	260	03:03:35.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5913.28 +/- 1	4R3	4	0	4,134,013:42:1	
1067	97	260	03:03:38.400	117GF105A106A4AK	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,013:47:0	
1068	97	260	03:03:52.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5917.32 +/- 1	4R3	4	0	4,134,013:68:0	
1069	97	260	03:04:15.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5922.64 +/- 1	4R3	4	0	4,134,014:11:0	
1070	97	260	03:04:15.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,014:11:0	
1071	97	260	03:04:16.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5922.70 +/- 1	4R3	4	0	4,134,014:12:8	
1072	97	260	03:04:58.400	117GF105A106A4AL	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,014:76:0	
1073	97	260	03:05:04.400	117GF105A106A4AM	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,014:85:0	
1074	97	260	03:06:24.400	117GF105A106A4AN	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,016:23:0	
1075	97	260	03:06:30.400	117GF105A106A4AO	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,016:32:0	
1076	97	260	03:07:50.400	117GF105A106A4AP	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,017:61:0	
1077	97	260	03:07:56.400	117GF105A106A4AQ	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,017:70:0	
1078	97	260	03:09:16.400	117GF105A106A4AR	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,019:08:0	
1079	97	260	03:09:22.400	117GF105A106A4AS	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,019:17:0	
1080	97	260	03:10:42.400	117GF105A106A4AT	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,020:46:0	
1081	97	260	03:10:48.400	117GF105A106A4AU	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,020:55:0	
1082	97	260	03:12:08.400	117GF105A106A4AV	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,021:84:0	
1083	97	260	03:12:14.400	117GF105A106A4AW	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,022:02:0	
1084	97	260	03:13:34.400	117GF105A106A4AX	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,023:31:0	
1085	97	260	03:13:40.400	117GF105A106A4AY	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,023:40:0	
1086	97	260	03:15:00.400	117GF105A106A4AZ	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,024:69:0	
1087	97	260	03:15:06.400	117GF105A106A4BA	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,024:78:0	
1088	97	260	03:16:26.400	117GF105A106A4BB	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,026:16:0	
1089	97	260	03:16:29.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5922.70 +/- 1	4R3	4	0	4,134,026:20:0	
1090	97	260	03:16:29.066	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,026:20:0	
1091	97	260	03:16:32.400	117GF105A106A4BC	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,026:25:0	
1092	97	260	03:16:35.733		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5922.70 +/- 1	4R3	4	0	4,134,026:30:0	
1093	97	260	03:16:37.133		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5922.82 +/- 1	4R3	4	0	4,134,026:32:1	
1094	97	260	03:16:54.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5926.86 +/- 1	4R3	4	0	4,134,026:58:0	
1095	97	260	03:17:17.066	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,027:01:0	
1096	97	260	03:17:17.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5932.18 +/- 1	4R3	4	0	4,134,027:01:0	
1097	97	260	03:17:18.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5932.24 +/- 1	4R3	4	0	4,134,027:02:8	
1098	97	260	03:17:52.400	117GF105A106A4BD	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,027:54:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	260	03:17:58.400	117GF105A106A4BE	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,027:63:0	
1100	97	260	03:19:18.400	117GF105A106A4BF	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,029:01:0	
1101	97	260	03:19:24.400	117GF105A106A4BG	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,029:10:0	
1102	97	260	03:20:44.400	117GF105A106A4BH	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,030:39:0	
1103	97	260	03:20:50.400	117GF105A106A4BI	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,030:48:0	
1104	97	260	03:22:10.400	117GF105A106A4BJ	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,031:77:0	
1105	97	260	03:22:16.400	117GF105A106A4BK	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,031:86:0	
1106	97	260	03:23:36.400	117GF105A106A4BL	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,033:24:0	
1107	97	260	03:23:42.400	117GF105A106A4BM	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,033:33:0	
1108	97	260	03:25:02.400	117GF105A106A4BN	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,034:62:0	
1109	97	260	03:25:08.400	117GF105A106A4BO	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,034:71:0	
1110	97	260	03:26:28.400	117GF105A106A4BP	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,036:09:0	
1111	97	260	03:26:34.400	117GF105A106A4BQ	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,036:18:0	
1112	97	260	03:27:54.400	117GF105A106A4BR	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,037:47:0	
1113	97	260	03:28:00.400	117GF105A106A4BS	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,037:56:0	
1114	97	260	03:29:20.400	117GF105A106A4BT	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,038:85:0	
1115	97	260	03:29:26.400	117GF105A106A4BU	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,039:03:0	
1116	97	260	03:29:31.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5932.24 +/- 1	4R3	4	0	4,134,039:11:0	
1117	97	260	03:29:31.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,039:11:0	
1118	97	260	03:29:38.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5932.24 +/- 1	4R3	4	0	4,134,039:21:0	
1119	97	260	03:29:39.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5932.36 +/- 1	4R3	4	0	4,134,039:23:1	
1120	97	260	03:29:56.400		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5936.25 +/- 1	4R3	4	0	4,134,039:48:0	
1121	97	260	03:30:19.066	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,039:82:0	
1122	97	260	03:30:19.066		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5941.56 +/- 1	4R3	4	0	4,134,039:82:0	
1123	97	260	03:30:20.266		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5941.62 +/- 1	4R3	4	0	4,134,039:83:8	
1124	97	260	03:30:46.400	117GF105A106A4BV	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,040:32:0	
1125	97	260	03:30:52.400	117GF105A106A4BW	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,040:41:0	
1126	97	260	03:32:12.400	117GF105A106A4BX	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,041:70:0	
1127	97	260	03:32:18.400	117GF105A106A4BY	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,041:79:0	
1128	97	260	03:33:38.400	117GF105A106A4BZ	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,043:17:0	
1129	97	260	03:33:44.400	117GF105A106A4CA	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,043:26:0	
1130	97	260	03:35:04.400	117GF105A106A4CB	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,044:55:0	
1131	97	260	03:35:10.400	117GF105A106A4CC	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,044:64:0	
1132	97	260	03:36:30.400	117GF105A106A4CD	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,046:02:0	
1133	97	260	03:36:36.400	117GF105A106A4CE	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,046:11:0	
1134	97	260	03:37:56.400	117GF105A106A4CF	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,047:40:0	
1135	97	260	03:38:02.400	117GF105A106A4CG	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,047:49:0	
1136	97	260	03:39:22.400	117GF105A106A4CH	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,048:78:0	
1137	97	260	03:39:28.400	117GF105A106A4CI	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,048:87:0	
1138	97	260	03:40:48.400	117GF105A106A4CJ	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,050:25:0	
1139	97	260	03:40:54.400	117GF105A106A4CK	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,050:34:0	
1140	97	260	03:42:14.400	117GF105A106A4CL	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,051:63:0	
1141	97	260	03:42:20.400	117GF105A106A4CM	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,051:72:0	
1142	97	260	03:42:33.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5941.62 +/- 1	4R3	4	0	4,134,052:01:0	
1143	97	260	03:42:33.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,052:01:0	
1144	97	260	03:42:40.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5941.62 +/- 1	4R3	4	0	4,134,052:11:0	
1145	97	260	03:42:41.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5941.74 +/- 1	4R3	4	0	4,134,052:13:1	
1146	97	260	03:42:59.066		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5945.79 +/- 1	4R3	4	0	4,134,052:39:0	
1147	97	260	03:43:21.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5951.10 +/- 1	4R3	4	0	4,134,052:73:0	
1148	97	260	03:43:21.733	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,052:73:0	
1149	97	260	03:43:22.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5951.16 +/- 1	4R3	4	0	4,134,052:74:8	
1150	97	260	03:43:40.400	117GF105A106A4CN	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,053:10:0	
1151	97	260	03:43:46.400	117GF105A106A4CO	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,053:19:0	
1152	97	260	03:45:06.400	117GF105A106A4CP	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,054:48:0	
1153	97	260	03:45:12.400	117GF105A106A4CQ	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,054:57:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	260	03:46:32.400	117GF105A106A4CR	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,055:86:0	
1155	97	260	03:46:38.400	117GF105A106A4CS	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,056:04:0	
1156	97	260	03:47:58.400	117GF105A106A4CT	7STRP	-0.029358,-0.001	Slew =12.01	4R3	4	0	4,134,057:33:0	
1157	97	260	03:48:04.400	117GF105A106A4CU	7STRP	0.029008,0.0,0,0	Slew =,0.38	4R3	4	0	4,134,057:42:0	
1158	97	260	03:49:24.400	117GF11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,058:71:0	
1159	97	260	03:49:37.733	176GF6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,134,059:00:0	
1160	97	260	03:49:39.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5951.16 +/- 1	4R3	4	0	4,134,059:03:0	
1161	97	260	03:49:39.733	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,059:03:0	
1162	97	260	03:49:46.400		DMS:	: *RUNUP	R7, TRACK 1, FWD, TIC 5951.16 +/- 1	4R3	4	0	4,134,059:13:0	
1163	97	260	03:49:47.800		DMS:	: *AT_SPD	R7, TRACK 1, FWD, TIC *5951.28 +/- 1	4R3	4	0	4,134,059:15:1	
1164	97	260	03:49:49.733		DMS:	**: *RECORD**	R7, TRACK 1, FWD, TIC *5951.73 +/- 1	4R3	4	0	4,134,059:18:0	
1165	97	260	03:50:05.733	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,059:42:0	
1166	97	260	03:50:05.733		DMS:	**: *RUNDOWN**	R7, TRACK 1, FWD, TIC *5955.48 +/- 1	4R3	4	0	4,134,059:42:0	
1167	97	260	03:50:06.933		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *5955.54 +/- 1	4R3	4	0	4,134,059:43:8	
1168	97	260	03:51:38.400	165CG4A	7SCAN	NORM,221.306999,	Check S/P Position	4R3	4	0	4,134,060:90:0	
1169	97	260	03:55:40.400	165CG4B	7VECT		Inert vect update UTC	4R3	4	0	4,134,064:89:0	
1170	97	260	03:56:35.733	465KB6A	6DTRN	CMD,6DTRN,465KB6	DMS TRACK TURNAROUND	4R3	4	0	4,134,065:81:0	
1171	97	260	03:56:35.733		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 5955.54 +/- 1	4R3	4	0	4,134,065:81:0	
1172	97	260	03:56:35.733		DMS:	: *DMS-TURN	P7, TRACK 1, FWD, TIC 5955.54 +/- 1	4R3	4	0	4,134,065:81:0	
1173	97	260	03:56:42.400		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 5955.54 +/- 1	4R3	4	0	4,134,066:00:0	
1174	97	260	03:56:43.800		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC *5955.66 +/- 1	4R3	4	0	4,134,066:02:1	
1175	97	260	04:01:50.800		DMS:	: *REVERSE	P7, TRACK 1, FWD, TIC *6027.63 +/- 1	4R3	4	0	4,134,071:07:6	
1176	97	260	04:01:52.000		DMS:	: *TURNARND	P7, TRACK *2, *REV, TIC *6027.69 +/- 1	4R3	4	0	4,134,071:09:4	
1177	97	260	04:01:52.000		DMS:	: *RUNUP	P7, TRACK 2, REV, TIC 6027.69 +/- 1	4R3	4	0	4,134,071:09:4	
1178	97	260	04:01:53.400		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *6027.57 +/-	4R3	4	0	4,134,071:11:5	
1179	97	260	04:02:05.400		DMS:	: *AUTOSTOP	P7, TRACK 2, REV, TIC *6025.44 +/-	4R3	4	0	4,134,071:29:5	
1180	97	260	04:02:06.600		DMS:	: *READY	RDY, TRACK 2, REV, TIC *6025.38 +/-	4R3	4	0	4,134,071:31:3	
1181	97	260	04:16:46.400	465KE6A	6DMSC	P7,2	DMS Control Tape P/B 7.68kbps	4R3	4	0	4,134,085:77:0	
1182	97	260	04:16:46.400		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	4R3	4	0	4,134,085:77:0	
1183	97	260	04:16:47.800		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	4R3	4	0	4,134,085:79:1	
1184	97	260	04:16:53.066		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	4R3	4	0	4,134,085:87:0	
1185	97	260	04:16:54.266		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *6026.79 +/-	4R3	4	0	4,134,085:88:8	
1186	97	260	04:16:55.666		DMS:	: *P_SLEW	P7, TRACK 2, REV, TIC *6026.67 +/-	4R3	4	0	4,134,085:90:9	
1187	97	260	04:16:55.666		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC 6026.67 +/-	4R3	4	0	4,134,085:90:9	
1188	97	260	04:18:03.066		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *6010.87 +/-	4R3	4	0	4,134,087:10:0	
1189	97	260	04:18:03.066	465KE6B	6DMSC	RDY,2	DMS Control Tape stop	4R3	4	0	4,134,087:10:0	
1190	97	260	04:18:04.266		DMS:	: *READY	RDY, TRACK 2, REV, TIC *6010.81 +/-	4R3	4	0	4,134,087:11:8	
1191	97	260	04:45:00.400	488AO6E	6TMSED	NORM,HL5	Sci, Eng, and D/L Chan	4R3	4	0	4,134,113:70:0	
1192	97	260	05:00:18.400	488AP6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4R3	4	0	4,134,128:82:0	
1193	**97**	**260**	**05:26:45.399**	**10CXMOVBLK02**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1194	**97**	**260**	**05:31:48.733**	**10CXMOVBLK02**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1195	97	260	05:38:24.333	488AP6B	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	4R3	4	0	4,134,166:53:0	
1196	97	260	05:40:50.333	488AP6C	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,134,168:90:0	
1197	97	260	05:42:30.333	488AP6D	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,134,170:58:0	
1198	**97**	**260**	**05:56:04.733**	**10NNRELOAD01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1199	**97**	**260**	**05:57:05.666**	**20EB6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**4,134,185:06:0**	
1200	**97**	**260**	**05:58:06.333**	**20EB5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,134,186:06:0**	
1201	97	260	05:58:18.333	488AP6E	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,134,186:24:0	
1202	**97**	**260**	**05:59:07.000**	**20EB5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,134,187:06:0**	
1203	**97**	**260**	**06:00:07.666**	**20EB6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,134,188:06:0**	
1204	**97**	**260**	**06:01:08.333**	**20EB6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,134,189:06:0**	
1205	**97**	**260**	**06:02:09.000**	**20EB5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,134,190:06:0**	
1206	**97**	**260**	**06:03:09.666**	**20EB5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,134,191:06:0**	
1207	**97**	**260**	**06:04:10.333**	**20EB4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,134,192:06:0**	
1208	**97**	**260**	**06:05:11.000**	**20EB4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,134,193:06:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	**97**	**260**	**06:06:11.399**	**10NNRELOAD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1210	**97**	**260**	**06:17:18.600**	**10ENEUR15_01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1211	97	260	06:18:15.000	165FZ4A	7SCAN	NORM,218.522999,	Check S/P Position	2R3	4	0	4,134,205:90:0	
1212	97	260	06:19:11.666	125KI	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,134,206:84:0	
1213	**97**	**260**	**06:19:11.666**	**125KI4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,134,206:84:0**	
1214	**97**	**260**	**06:20:12.333**	**125KI4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,134,207:84:0**	
1215	97	260	06:20:12.333	125KI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,134,207:84:0	
1216	97	260	06:21:13.000	127KI	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,134,208:84:0	
1217	**97**	**260**	**06:21:13.666**	**127KI4A**	**37ETB**	**,CD,03,BD,FF,02,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,134,208:85:0**	
1218	97	260	06:21:21.000	127KI11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,134,209:05:0	
1219	**97**	**260**	**06:21:37.666**	**432DQ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,134,209:30:0**	
1220	97	260	06:22:09.000	117FZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,209:77:0	
1221	97	260	06:22:18.333	117FZ105A106A4A	7STRP	-0.0036,0.0,0,0,	Slew =,0.01	4R3	4	0	4,134,210:00:0	
1222	97	260	06:26:43.666	488AQ6A	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4R3	4	0	4,134,214:34:0	
1223	97	260	06:28:22.333	117FZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,216:00:0	
1224	**97**	**260**	**06:37:47.000**	**432DR6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,134,225:28:0**	
1225	97	260	06:39:25.000	125KX11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,134,226:84:0	
1226	97	260	06:39:25.000	125KX	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,134,226:84:0	
1227	**97**	**260**	**06:39:25.000**	**125KX4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,134,226:84:0**	
1228	**97**	**260**	**06:40:33.933**	**10ENEUR15_01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1229	**97**	**260**	**06:42:35.399**	**10CNGLOBAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1230	97	260	06:43:31.666	165DG4A	7SCAN	NORM,43.109,19.0	Check S/P Position	4R3	4	0	4,134,230:90:0	
1231	97	260	06:46:29.666	127DG	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,134,233:84:0	
1232	**97**	**260**	**06:46:30.333**	**127DG4A**	**37ETB**	**07,C7,02,00,F0,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,134,233:85:0**	
1233	97	260	06:46:38.333	127DG11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,134,234:06:0	
1234	97	260	06:47:23.000	175DG422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,234:73:0	
1235	97	260	06:47:23.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6010.81 +/-	4R3	4	0	4,134,234:73:0	
1236	97	260	06:47:24.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6010.93 +/-	4R3	4	0	4,134,234:75:1	
1237	97	260	06:47:25.666	117DG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,234:77:0	
1238	97	260	06:47:29.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6012.17 +/-	4R3	4	0	4,134,234:83:0	
1239	97	260	06:47:30.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *6012.23 +/-	4R3	4	0	4,134,234:84:8	
1240	97	260	06:47:31.666	175DG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,134,234:86:0	
1241	97	260	06:47:32.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *6012.11 +/-	4R3	4	0	4,134,234:86:9	
1242	97	260	06:47:32.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 6012.11 +/-	4R3	4	0	4,134,234:86:9	
1243	**97**	**260**	**06:47:35.000**	**10CNGLOBAL02-**	**NIMPBK**	**301FQ**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
1244	97	260	06:47:35.000	117DG105A106A4A	7STRP	-0.015001,0.0,0,	Slew =,0.03	4R3	4	0	4,134,235:00:0	
1245	**97**	**260**	**06:47:35.000**	**10CNGLOBAL02-**	**NIMPBK**	**301DH**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
1246	97	260	06:55:56.333	117DG105A106A4B	7STRP	0.015001,0.009,0	Slew =12.01	4R3	4	0	4,134,243:24:0	
1247	97	260	06:56:03.666	117DG105A106A4C	7STRP	-0.015001,0.0,0,	Slew =,0.03	4R3	4	0	4,134,243:35:0	
1248	**97**	**260**	**06:59:35.000**	**10CNGLOBAL02-**	**DESELC**	**300DH**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
1249	97	260	07:04:25.000	117DG105A106A4D	7STRP	0.015001,0.009,0	Slew =12.01	4R3	4	0	4,134,251:59:0	
1250	97	260	07:04:32.333	117DG105A106A4E	7STRP	-0.015001,0.0,0,	Slew =,0.03	4R3	4	0	4,134,251:70:0	
1251	**97**	**260**	**07:12:53.666**	**10CNGLOBAL02-**	**DESELC**	**300FQ**	**CALLISTO GLOBAL COVERAGE**	**4R3**	**4**	**0**	**: :**	
1252	97	260	07:12:53.666	117DG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,260:03:0	
1253	97	260	07:13:11.666	175DG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,260:30:0	
1254	97	260	07:13:11.666	175DG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,134,260:30:0	
1255	97	260	07:13:11.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *5651.31 +/-	4R3	4	0	4,134,260:30:0	
1256	97	260	07:13:12.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5651.25 +/-	4R3	4	0	4,134,260:31:8	
1257	**97**	**260**	**07:13:56.066**	**10CNGLOBAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
1258	97	260	07:18:41.666	165BB4A	7SCAN	NORM,220.148998,	Check S/P Position	4R3	4	0	4,134,265:70:0	
1259	97	260	09:24:17.666	165BC4A	7SCAN	NORM,220.647999,	Check S/P Position	4R3	4	0	4,134,389:90:0	
1260	97	260	10:26:59.000	165CH4A	7SCAN	NORM,240.112,-22	Check S/P Position	4R3	4	0	4,134,451:90:0	
1261	97	260	10:31:01.000	165CH4B	7VECT		Inert vect update UTC	4R3	4	0	4,134,455:89:0	
1262	97	260	10:58:19.666	165AA4A	7SCAN	NORM,223.101,-18	Check S/P Position	4R3	4	0	4,134,482:90:0	
1263	97	260	11:02:13.666	117AA	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,486:77:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	260	11:02:23.000	117AA105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,487:00:0	
1265	97	260	11:32:13.000	117AA105A106A4B	7STRP	0.01,0.0,0,0,0,0	Slew =12.01	4R3	4	0	4,134,516:46:0	
1266	97	260	11:32:43.000	117AA105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,517:00:0	
1267	97	260	12:02:33.000	117AA105A106A4D	7STRP	0.01,0.0,0,0,0,0	Slew =12.01	4R3	4	0	4,134,546:46:0	
1268	97	260	12:03:03.000	117AA105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,547:00:0	
1269	97	260	12:32:53.000	117AA11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,576:46:0	
1270	97	260	12:33:22.333	165AB4A	7SCAN	NORM,227.060999,	Check S/P Position	4R3	4	0	4,134,576:90:0	
1271	97	260	12:37:16.333	117AB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,580:77:0	
1272	97	260	12:37:16.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5651.25 +/-	4R3	4	0	4,134,580:77:0	
1273	97	260	12:37:16.333	175AB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,134,580:77:0	
1274	97	260	12:37:17.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5651.37 +/-	4R3	4	0	4,134,580:79:1	
1275	97	260	12:37:23.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5652.61 +/-	4R3	4	0	4,134,580:87:0	
1276	97	260	12:37:24.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *5652.67 +/-	4R3	4	0	4,134,580:88:8	
1277	97	260	12:37:25.000	175AB176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,134,580:90:0	
1278	97	260	12:37:25.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 5652.55 +/-	4R3	4	0	4,134,580:90:9	
1279	97	260	12:37:25.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *5652.55 +/-	4R3	4	0	4,134,580:90:9	
1280	97	260	12:37:25.666	117AB105A106A4A	7STRP	-0.118551,0.0,0,	Slew =,0.16	4R3	4	0	4,134,581:00:0	
1281	97	260	12:50:01.000	117AB105A106A4B	7STRP	0.124639,-0.0400	Slew =17.01	4R3	4	0	4,134,593:41:0	
1282	97	260	12:50:34.333	117AB105A106A4C	7STRP	-0.118551,0.0,0,	Slew =,0.16	4R3	4	0	4,134,594:00:0	
1283	97	260	13:03:09.666	117AB105A106B4A	7STRP	0.176809,0.01800	Slew =17.01	4R3	4	0	4,134,606:41:0	
1284	97	260	13:03:40.333	117AB105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.16	4R3	4	0	4,134,606:87:0	
1285	97	260	13:04:07.666	117AB105A106C4A	7STRP	0.0,0.0,0,0,0,0,	Slew =17.01	4R3	4	0	4,134,607:37:0	
1286	97	260	13:05:08.333	117AB105A106C4B	7STRP	-0.298413,0.0,0,	Slew =,0.16	4R3	4	0	4,134,608:37:0	
1287	97	260	13:37:29.666	117AB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,640:37:0	
1288	97	260	13:38:05.000	165AC4A	7SCAN	NORM,223.529999,	Check S/P Position	4R3	4	0	4,134,640:90:0	
1289	97	260	13:38:15.666	175AB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,641:15:0	
1290	97	260	13:38:15.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *4797.06 +/-	4R3	4	0	4,134,641:15:0	
1291	97	260	13:38:16.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *4797.00 +/-	4R3	4	0	4,134,641:16:8	
1292	97	260	13:38:42.333	488AR6A	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4R3	4	0	4,134,641:55:0	
1293	97	260	14:11:27.000	165AD4A	7SCAN	NORM,223.919998,	Check S/P Position	4R3	4	0	4,134,673:90:0	
1294	97	260	14:41:47.000	165AE4A	7SCAN	NORM,227.257,-17	Check S/P Position	4R3	4	0	4,134,703:90:0	
1295	97	260	14:57:38.333	488AR6B	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4R3	4	0	4,134,719:61:0	
1296	97	260	15:00:00.333	488AR6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	4R3	4	0	4,134,722:01:0	
1297	97	260	15:12:07.000	165AF4A	7SCAN	NORM,227.938999,	Check S/P Position	4R3	4	0	4,134,733:90:0	
1298	97	260	15:56:36.333	165IH4A	7SCAN	NORM,227.070999,	Check S/P Position	4R3	4	0	4,134,777:90:0	
1299	97	260	16:00:29.000	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,134,781:75:0	
1300	97	260	16:00:29.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4797.00 +/-	4R3	4	0	4,134,781:75:0	
1301	97	260	16:00:30.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4797.12 +/-	4R3	4	0	4,134,781:77:1	
1302	97	260	16:00:31.666	118IH	**SMOS**	GS		4R3	4	0	4,134,781:79:0	
1303	97	260	16:00:35.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4798.36 +/-	4R3	4	0	4,134,781:85:0	
1304	97	260	16:00:36.866		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *4798.42 +/-	4R3	4	0	4,134,781:86:8	
1305	97	260	16:00:40.333	175IF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,134,782:01:0	
1306	97	260	16:00:40.866		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *4792.12 +/-	4R3	4	0	4,134,782:01:8	
1307	97	260	16:00:40.866		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 4792.12 +/-	4R3	4	0	4,134,782:01:8	
1308	97	260	16:00:41.666	118IH110A111A4A	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,782:03:0	
1309	97	260	16:00:46.333	118IH110A111B4A	7STRP	0.007,0.0035,0,0	Slew =,3.01	4R3	4	0	4,134,782:10:0	
1310	97	260	16:00:57.000	118IH110A111B4B	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,782:26:0	
1311	97	260	16:01:17.000	118IH110A111C4A	7STRP	0.007,0.00675,0,	Slew =,3.01	4R3	4	0	4,134,782:56:0	
1312	97	260	16:01:27.666	118IH110A111C4B	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,782:72:0	
1313	97	260	16:01:47.666	118IH110A111A4B	7STRP	-0.014001,0.0033	Slew =,3.01	4R3	4	0	4,134,783:11:0	
1314	97	260	16:01:58.333	118IH110A111A4C	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,783:27:0	
1315	97	260	16:02:03.000	118IH110A111B4C	7STRP	0.007,0.0035,0,0	Slew =,3.01	4R3	4	0	4,134,783:34:0	
1316	97	260	16:02:13.666	118IH110A111B4D	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,783:50:0	
1317	97	260	16:02:33.666	118IH110A111C4C	7STRP	0.007,0.00675,0,	Slew =,3.01	4R3	4	0	4,134,783:80:0	
1318	97	260	16:02:44.333	118IH110A111C4D	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,784:05:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	260	16:03:04.333	118IH110A111A4D	7STRP	-0.014001,0.0033	Slew =,3.01	4R3	4	0	4,134,784:35:0	
1320	97	260	16:03:15.000	118IH110A111A4E	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,784:51:0	
1321	97	260	16:03:19.666	118IH110A111B4E	7STRP	0.007,0.0035,0,0	Slew =,3.01	4R3	4	0	4,134,784:58:0	
1322	97	260	16:03:30.333	118IH110A111B4F	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,784:74:0	
1323	97	260	16:03:46.333	488AR6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,134,785:07:0	
1324	97	260	16:03:50.333	118IH110A111C4E	7STRP	0.007,0.00675,0,	Slew =,3.01	4R3	4	0	4,134,785:13:0	
1325	97	260	16:04:01.000	118IH110A111C4F	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,785:29:0	
1326	97	260	16:04:21.000	118IH110A111A4F	7STRP	-0.014001,0.0033	Slew =,3.01	4R3	4	0	4,134,785:59:0	
1327	97	260	16:04:31.666	118IH110A111A4G	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,785:75:0	
1328	97	260	16:04:36.333	118IH110A111B4G	7STRP	0.007,0.0035,0,0	Slew =,3.01	4R3	4	0	4,134,785:82:0	
1329	97	260	16:04:47.000	118IH110A111B4H	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,786:07:0	
1330	97	260	16:05:07.000	118IH110A111C4G	7STRP	0.007,0.00675,0,	Slew =,3.01	4R3	4	0	4,134,786:37:0	
1331	97	260	16:05:17.666	118IH110A111C4H	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,134,786:53:0	
1332	97	260	16:05:37.666	118IH11A	**SMOS**	GE		4R3	4	0	4,134,786:83:0	
1333	97	260	16:05:42.333	165AG4A	7SCAN	NORM,228.019999,	Check S/P Position	4R3	4	0	4,134,786:90:0	
1334	97	260	16:05:43.000	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,787:00:0	
1335	97	260	16:05:43.000		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3729.93 +/-	4R3	4	0	4,134,787:00:0	
1336	97	260	16:05:44.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3728.93 +/-	4R3	4	0	4,134,787:01:8	
1337	97	260	16:07:35.000	117AG	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,788:77:0	
1338	97	260	16:07:44.333	117AG105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,789:00:0	
1339	97	260	16:09:15.666	117AG105A106A4B	7STRP	-0.0061,0.0,0,0,	Slew =12.01	4R3	4	0	4,134,790:46:0	
1340	97	260	16:09:45.666	117AG105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,791:00:0	
1341	97	260	16:11:17.000	117AG105A106B4A	7STRP	0.006,-0.0066,0,	Slew =12.01	4R3	4	0	4,134,792:46:0	
1342	97	260	16:11:47.000	117AG105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,793:00:0	
1343	97	260	16:13:18.333	117AG105A106C4A	7STRP	-0.0061,0.0,0,0,	Slew =12.01	4R3	4	0	4,134,794:46:0	
1344	97	260	16:13:48.333	117AG105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,795:00:0	
1345	97	260	16:15:19.666	117AG105A106D4A	7STRP	-0.0061,0.0032,0	Slew =12.01	4R3	4	0	4,134,796:46:0	
1346	97	260	16:15:49.666	117AG105A106D4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,797:00:0	
1347	97	260	16:17:21.000	117AG11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,134,798:46:0	
1348	97	260	16:17:23.666	165AH4A	7SCAN	NORM,227.762999,	Check S/P Position	4R3	4	0	4,134,798:50:0	
1349	97	260	16:17:49.666	165AH4B	7VECT		Inert vect update UTC	4R3	4	0	4,134,798:89:0	
1350	97	260	16:42:10.333	488AR6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,134,823:05:0	
1351	97	260	16:52:00.333	488BA6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,134,832:71:0	
1352	97	260	16:57:16.333	165II4A	7SCAN	NORM,227.974998,	Check S/P Position	4R3	4	0	4,134,837:90:0	
1353	97	260	17:01:09.000	175IG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,134,841:75:0	
1354	97	260	17:01:09.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3728.93 +/-	4R3	4	0	4,134,841:75:0	
1355	97	260	17:01:10.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3729.05 +/-	4R3	4	0	4,134,841:77:1	
1356	97	260	17:01:11.666	118II	**SMOS**	GS		4R3	4	0	4,134,841:79:0	
1357	97	260	17:01:15.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3730.28 +/-	4R3	4	0	4,134,841:85:0	
1358	97	260	17:01:16.866		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3730.34 +/-	4R3	4	0	4,134,841:86:8	
1359	97	260	17:01:20.333	175IG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,134,842:01:0	
1360	97	260	17:01:20.866		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3724.04 +/-	4R3	4	0	4,134,842:01:8	
1361	97	260	17:01:20.866		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3724.04 +/-	4R3	4	0	4,134,842:01:8	
1362	97	260	17:01:21.666	118II110A111A4A	7STRP	0.007,0.0035,46,	Slew =,3.01	4R3	4	0	4,134,842:03:0	
1363	97	260	17:01:41.666	118II110A111B4A	7STRP	0.00725,0.002,0,	Slew =,3.01	4R3	4	0	4,134,842:33:0	
1364	97	260	17:01:52.333	118II110A111B4B	7STRP	0.007,0.0035,46,	Slew =,3.01	4R3	4	0	4,134,842:49:0	
1365	97	260	17:01:57.000	118II11A	**SMOS**	GE		4R3	4	0	4,134,842:56:0	
1366	97	260	17:02:06.333	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,134,842:70:0	
1367	97	260	17:02:06.333		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3564.20 +/-	4R3	4	0	4,134,842:70:0	
1368	97	260	17:02:07.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3563.20 +/-	4R3	4	0	4,134,842:71:8	
1369	97	260	17:02:19.666	165AI4A	7SCAN	NORM,228.005999,	Check S/P Position	4R3	4	0	4,134,842:90:0	
1370	97	260	17:05:21.666	165AJ4A	7SCAN	NORM,228.494999,	Check S/P Position	4R3	4	0	4,134,845:90:0	
1371	97	260	17:07:23.000	165AK4A	7SCAN	NORM,228.966999,	Check S/P Position	4R3	4	0	4,134,847:90:0	
1372	97	260	17:09:24.333	165AL4A	7SCAN	NORM,228.546,-17	Check S/P Position	4R3	4	0	4,134,849:90:0	
1373	97	260	17:10:24.333	165AL4B	7VECT		Inert vect update UTC	4R3	4	0	4,134,850:89:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	260	17:37:05.666	488BA6B	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,134,877:34:0	
1375	97	260	17:56:55.666	165AM4A	7SCAN	NORM,228.807999,	Check S/P Position	4R3	4	0	4,134,896:90:0	
1376	97	260	18:29:17.000	165AN4A	7SCAN	NORM,228.529999,	Check S/P Position	4R3	4	0	4,134,928:90:0	
1377	97	260	18:35:14.333	488BA6C	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,134,934:80:0	
1378	97	260	18:39:01.000	488BA6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,134,938:56:0	
1379	97	260	19:01:38.333	165AO4A	7SCAN	NORM,233.646999,	Check S/P Position	4R3	4	0	4,134,960:90:0	
1380	97	260	19:03:31.000	117AO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,134,962:77:0	
1381	97	260	19:03:40.333	117AO105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,963:00:0	
1382	97	260	19:33:30.333	117AO105A106A4B	7STRP	0.014501,0.0,0,0	Slew =12.01	4R3	4	0	4,134,992:46:0	
1383	97	260	19:34:00.333	117AO105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,134,993:00:0	
1384	97	260	20:03:50.333	117AO105A106A4D	7STRP	0.014501,0.0,0,0	Slew =12.01	4R3	4	0	4,135,022:46:0	
1385	97	260	20:04:20.333	117AO105A106A4E	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,023:00:0	
1386	97	260	20:34:10.333	117AO105A106A4F	7STRP	0.014501,0.0,0,0	Slew =12.01	4R3	4	0	4,135,052:46:0	
1387	97	260	20:34:40.333	117AO105A106A4G	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,053:00:0	
1388	97	260	21:04:30.333	117AO105A106A4H	7STRP	0.014501,0.0,0,0	Slew =12.01	4R3	4	0	4,135,082:46:0	
1389	97	260	21:05:00.333	117AO105A106A4I	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,083:00:0	
1390	97	260	21:34:50.333	117AO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,135,112:46:0	
1391	97	260	21:35:19.666	165AP4A	7SCAN	NORM,233.035,-21	Check S/P Position	4R3	4	0	4,135,112:90:0	
1392	97	260	22:07:41.000	165AQ4A	7SCAN	NORM,234.421,-23	Check S/P Position	4R3	4	0	4,135,144:90:0	
1393	97	260	22:50:09.000	165CI4A	7SCAN	NORM,43.615,18.6	Check S/P Position	4R3	4	0	4,135,186:90:0	
1394	97	260	22:54:11.000	165CI4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,190:89:0	
1395	97	260	22:57:38.333	488BB6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,135,194:36:0	
1396	97	260	23:20:29.000	165CJ4A	7SCAN	NORM,44.043,18.8	Check S/P Position	4R3	4	0	4,135,216:90:0	
1397	97	260	23:24:31.000	165CJ4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,220:89:0	
1398	97	260	23:56:57.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3563.20 +/-	4R3	4	0	4,135,253:06:0	
1399	97	260	23:56:57.666	411AC6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,135,253:06:0	
1400	97	260	23:56:59.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3563.32 +/-	4R3	4	0	4,135,253:08:1	
1401	97	260	23:57:04.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3564.55 +/-	4R3	4	0	4,135,253:16:0	
1402	97	260	23:57:05.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3564.61 +/-	4R3	4	0	4,135,253:17:8	
1403	97	260	23:57:06.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3564.49 +/-	4R3	4	0	4,135,253:19:9	
1404	97	260	23:57:06.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3564.49 +/-	4R3	4	0	4,135,253:19:9	
1405	97	260	23:57:07.666	411AC6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,135,253:21:0	
1406	97	260	23:59:09.000	411AC6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,135,255:21:0	
1407	97	260	23:59:10.333	175TM176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,135,255:23:0	
1408	97	260	23:59:11.000	175TM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,135,255:24:0	
1409	97	260	23:59:17.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3533.85 +/-	4R3	4	0	4,135,255:34:0	
1410	97	260	23:59:17.666	175TM422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,255:34:0	
1411	97	260	23:59:18.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3533.79 +/-	4R3	4	0	4,135,255:35:8	
1412	97	261	00:21:09.000	165CK4A	7SCAN	NORM,44.501,18.9	Check S/P Position	4R3	4	0	4,135,276:90:0	
1413	97	261	00:25:11.000	165CK4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,280:89:0	
1414	97	261	00:35:46.333	488BB6B	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,135,291:41:0	
1415	97	261	00:50:00.333	488BB6C	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,135,305:48:0	
1416	97	261	00:51:29.000	165CL4A	7SCAN	NORM,44.9,19.109	Check S/P Position	4R3	4	0	4,135,306:90:0	
1417	97	261	00:55:31.000	165CL4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,310:89:0	
1418	97	261	01:00:00.333	481UD4A	7VECT		Inert vect update UTC	4R3	4	0	4,135,315:38:0	
1419	97	261	01:21:49.000	165CM4A	7SCAN	NORM,45.347,19.2	Check S/P Position	4R3	4	0	4,135,336:90:0	
1420	97	261	01:24:53.000	488BB6D	6TMSED	FILL,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,135,340:02:0	
1421	97	261	01:25:51.000	165CM4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,340:89:0	
1422	97	261	01:53:59.000	488BB6E	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,135,368:73:0	
1423	97	261	02:11:21.666	165IJ4A	7SCAN	NORM,244.734999,	Check S/P Position	4R3	4	0	4,135,385:90:0	
1424	97	261	02:15:14.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3533.79 +/-	4R3	4	0	4,135,389:75:0	
1425	97	261	02:15:14.333	175IH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,135,389:75:0	
1426	97	261	02:15:15.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3533.91 +/-	4R3	4	0	4,135,389:77:1	
1427	97	261	02:15:17.000	118IJ	**SMOS**	GS		4R3	4	0	4,135,389:79:0	
1428	97	261	02:15:21.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3535.15 +/-	4R3	4	0	4,135,389:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	97	261	02:15:22.200		DMS:	: *RUNUP	R115, TRACK *2, *REV, TIC *3535.21 +/-	4R3	4	0	4,135,389:86:8	
1430	97	261	02:15:25.666	175IH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,135,390:01:0	
1431	97	261	02:15:26.200		DMS:	: *AT_SPD	R115, TRACK 2, REV, TIC 3528.91 +/-	4R3	4	0	4,135,390:01:8	
1432	97	261	02:15:26.200		DMS:	**: *RECORD**	R115, TRACK 2, REV, TIC *3528.91 +/-	4R3	4	0	4,135,390:01:8	
1433	97	261	02:15:27.000	118IJ110A111A4A	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,135,390:03:0	
1434	97	261	02:15:31.666	118IJ110A111B4A	7STRP	0.007,0.00175,0,	Slew =,3.01	4R3	4	0	4,135,390:10:0	
1435	97	261	02:15:42.333	118IJ110A111B4B	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,135,390:26:0	
1436	97	261	02:16:02.333	118IJ110A111C4A	7STRP	0.007,0.007,0,0,	Slew =,3.01	4R3	4	0	4,135,390:56:0	
1437	97	261	02:16:13.000	118IJ110A111C4B	7STRP	0.0,-0.00675,46,	Slew =,3.01	4R3	4	0	4,135,390:72:0	
1438	97	261	02:16:33.000	118IJ11A	**SMOS**	GE		4R3	4	0	4,135,391:11:0	
1439	97	261	02:16:41.666		DMS:	**: *RUNDOWN**	R115, TRACK 2, REV, TIC *3263.60 +/-	4R3	4	0	4,135,391:24:0	
1440	97	261	02:16:41.666	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,391:24:0	
1441	97	261	02:16:42.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3262.60 +/-	4R3	4	0	4,135,391:25:8	
1442	97	261	02:17:25.666	165AR4A	7SCAN	NORM,245.671,-20	Check S/P Position	4R3	4	0	4,135,391:90:0	
1443	97	261	02:19:18.333	117AR	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,135,393:77:0	
1444	97	261	02:19:27.666	117AR105A106A4A	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,394:00:0	
1445	97	261	02:20:59.000	117AR105A106A4B	7STRP	-0.0058,0.0,0,0,	Slew =12.01	4R3	4	0	4,135,395:46:0	
1446	97	261	02:21:29.000	117AR105A106A4C	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,396:00:0	
1447	97	261	02:23:00.333	117AR105A106B4A	7STRP	0.0057,-0.0066,0	Slew =12.01	4R3	4	0	4,135,397:46:0	
1448	97	261	02:23:30.333	117AR105A106B4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,398:00:0	
1449	97	261	02:25:01.666	117AR105A106C4A	7STRP	-0.0058,0.0,0,0,	Slew =12.01	4R3	4	0	4,135,399:46:0	
1450	97	261	02:25:31.666	117AR105A106C4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,400:00:0	
1451	97	261	02:27:03.000	117AR105A106D4A	7STRP	-0.0058,0.0032,0	Slew =12.01	4R3	4	0	4,135,401:46:0	
1452	97	261	02:27:33.000	117AR105A106D4B	7STRP	0.0,0.0,0,0,0,0,	Slew =,0.02	4R3	4	0	4,135,402:00:0	
1453	97	261	02:29:04.333	117AR11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,135,403:46:0	
1454	97	261	02:29:05.666	165AS4A	7SCAN	NORM,245.529999,	Check S/P Position	4R3	4	0	4,135,403:48:0	
1455	97	261	02:29:33.000	165AS4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,403:89:0	
1456	97	261	02:45:54.333	488BC6A	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4R3	4	0	4,135,420:14:0	
1457	97	261	02:58:53.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3262.60 +/-	4R3	4	0	4,135,433:00:0	
1458	97	261	02:58:53.666	411AB6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,135,433:00:0	
1459	97	261	02:58:55.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3262.72 +/-	4R3	4	0	4,135,433:02:1	
1460	97	261	02:59:00.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3263.95 +/-	4R3	4	0	4,135,433:10:0	
1461	97	261	02:59:01.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *3264.01 +/-	4R3	4	0	4,135,433:11:8	
1462	97	261	02:59:02.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 3263.89 +/-	4R3	4	0	4,135,433:13:9	
1463	97	261	02:59:02.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *3263.89 +/-	4R3	4	0	4,135,433:13:9	
1464	97	261	02:59:03.666	411AB6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,135,433:15:0	
1465	97	261	02:59:53.666	165CT4A	7SCAN	NORM,263.882,-25	Check S/P Position	4R3	4	0	4,135,433:90:0	
1466	97	261	03:01:05.000	411AB6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,135,435:15:0	
1467	97	261	03:01:05.666	411AB6D	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,435:16:0	
1468	97	261	03:01:05.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *3235.12 +/-	4R3	4	0	4,135,435:16:0	
1469	97	261	03:01:06.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3235.06 +/-	4R3	4	0	4,135,435:17:8	
1470	97	261	03:03:55.666	165CT4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,437:89:0	
1471	97	261	03:29:13.000	165IK4A	7SCAN	NORM,266.100998,	Check S/P Position	4R3	4	0	4,135,462:90:0	
1472	97	261	03:33:57.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3235.06 +/-	4R3	4	0	4,135,467:61:0	
1473	97	261	03:33:57.000	175II422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,135,467:61:0	
1474	97	261	03:33:58.333	165IK4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,467:63:0	
1475	97	261	03:33:58.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3235.18 +/-	4R3	4	0	4,135,467:63:1	
1476	97	261	03:34:03.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3236.42 +/-	4R3	4	0	4,135,467:71:0	
1477	97	261	03:34:04.866		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *3236.48 +/-	4R3	4	0	4,135,467:72:8	
1478	97	261	03:34:09.666	175II176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,135,467:80:0	
1479	97	261	03:34:10.133		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 3170.48 +/-	4R3	4	0	4,135,467:80:7	
1480	97	261	03:34:10.133		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *3170.48 +/-	4R3	4	0	4,135,467:80:7	
1481	97	261	03:34:14.333	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,467:87:0	
1482	97	261	03:34:14.333		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *3067.12 +/-	4R3	4	0	4,135,467:87:0	
1483	97	261	03:34:16.333	165BD4A	7SCAN	NORM,225.608999,	Check S/P Position	4R3	4	0	4,135,467:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	97	261	03:34:17.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *3055.62 +/-	4R3	4	0	4,135,468:00:1	
1485	97	261	04:52:13.000	488BC6B	6TMSED	FILL,GL6	Sci, Eng, and D/L Chan	4R3	4	0	4,135,545:07:0	
1486	97	261	04:56:02.333	488BC6C	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	4R3	4	0	4,135,548:78:0	
1487	97	261	04:57:42.333	488BC6D	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	4R3	4	0	4,135,550:46:0	
1488	97	261	05:50:00.333	488BC6E	6TMSED	NORM,IL8	Sci, Eng, and D/L Chan	4R3	4	0	4,135,602:21:0	
1489	97	261	06:44:21.666	165CN4A	7SCAN	NORM,213.449999,	Check S/P Position	4R3	4	0	4,135,655:90:0	
1490	97	261	06:48:23.666	165CN4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,659:89:0	
1491	97	261	07:28:51.000	165IL4A	7SCAN	NORM,284.599998,	Check S/P Position	4R3	4	0	4,135,699:90:0	
1492	97	261	07:32:46.333	118IL	**SMOS**	GS		4R3	4	0	4,135,703:79:0	
1493	97	261	07:32:51.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3055.62 +/-	4R3	4	0	4,135,703:87:0	
1494	97	261	07:32:51.666	175IJ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,135,703:87:0	
1495	97	261	07:32:53.000	165IL4B	7VECT		Inert vect update UTC	4R3	4	0	4,135,703:89:0	
1496	97	261	07:32:53.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3055.74 +/-	4R3	4	0	4,135,703:89:1	
1497	97	261	07:32:56.333	118IL110A111A4A	7STRP	0.004,0.0,26,0,0	Slew =,2.01	4R3	4	0	4,135,704:03:0	
1498	97	261	07:32:58.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3056.97 +/-	4R3	4	0	4,135,704:06:0	
1499	97	261	07:32:59.533		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *3057.03 +/-	4R3	4	0	4,135,704:07:8	
1500	97	261	07:33:04.333	175IJ176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,135,704:15:0	
1501	97	261	07:33:04.800		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 2991.03 +/- 1	4R3	4	0	4,135,704:15:7	
1502	97	261	07:33:04.800		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *2991.03 +/-	4R3	4	0	4,135,704:15:7	
1503	97	261	07:33:05.000	118IL11A	**SMOS**	GE		4R3	4	0	4,135,704:16:0	
1504	97	261	07:33:09.000		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2887.67 +/- 1	4R3	4	0	4,135,704:22:0	
1505	97	261	07:33:09.000	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,704:22:0	
1506	97	261	07:33:11.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2876.17 +/- 1	4R3	4	0	4,135,704:26:1	
1507	97	261	07:37:49.666	118IM	**SMOS**	GS		4R3	4	0	4,135,708:79:0	
1508	97	261	07:37:55.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2876.17 +/- 1	4R3	4	0	4,135,708:87:0	
1509	97	261	07:37:55.000	175IK422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,135,708:87:0	
1510	97	261	07:37:56.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2876.29 +/- 1	4R3	4	0	4,135,708:89:1	
1511	97	261	07:37:59.666	118IM110A111A4A	7STRP	-0.004,0.0,26,0,	Slew =,2.01	4R3	4	0	4,135,709:03:0	
1512	97	261	07:38:01.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2877.53 +/- 1	4R3	4	0	4,135,709:06:0	
1513	97	261	07:38:02.866		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *2877.59 +/- 1	4R3	4	0	4,135,709:07:8	
1514	97	261	07:38:07.666	175IK176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,135,709:15:0	
1515	97	261	07:38:08.133		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *2811.59 +/- 1	4R3	4	0	4,135,709:15:7	
1516	97	261	07:38:08.133		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 2811.59 +/- 1	4R3	4	0	4,135,709:15:7	
1517	97	261	07:38:08.333	118IM11A	**SMOS**	GE		4R3	4	0	4,135,709:16:0	
1518	97	261	07:38:12.333	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,709:22:0	
1519	97	261	07:38:12.333		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2708.23 +/- 1	4R3	4	0	4,135,709:22:0	
1520	97	261	07:38:15.066		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2696.73 +/- 1	4R3	4	0	4,135,709:26:1	
1521	97	261	07:42:53.000	118JM	**SMOS**	GS		4R3	4	0	4,135,713:79:0	
1522	97	261	07:42:58.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2696.73 +/- 1	4R3	4	0	4,135,713:87:0	
1523	97	261	07:42:58.333	175JB422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,135,713:87:0	
1524	97	261	07:42:59.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2696.85 +/- 1	4R3	4	0	4,135,713:89:1	
1525	97	261	07:43:03.000	118JM110A111A4A	7STRP	0.004,0.0,26,0,0	Slew =,2.01	4R3	4	0	4,135,714:03:0	
1526	97	261	07:43:05.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2698.08 +/- 1	4R3	4	0	4,135,714:06:0	
1527	97	261	07:43:06.200		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *2698.14 +/- 1	4R3	4	0	4,135,714:07:8	
1528	97	261	07:43:11.000	175JB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,135,714:15:0	
1529	97	261	07:43:11.466		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *2632.14 +/- 1	4R3	4	0	4,135,714:15:7	
1530	97	261	07:43:11.466		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 2632.14 +/- 2	4R3	4	0	4,135,714:15:7	
1531	97	261	07:43:11.666	118JM11A	**SMOS**	GE		4R3	4	0	4,135,714:16:0	
1532	97	261	07:43:15.666	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,135,714:22:0	
1533	97	261	07:43:15.666		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2528.78 +/- 2	4R3	4	0	4,135,714:22:0	
1534	97	261	07:43:18.400		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2517.28 +/- 2	4R3	4	0	4,135,714:26:1	
1535	**97**	**261**	**07:46:06.600**	**10INCHEMIS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
1536	97	261	07:47:03.000	165DJ4A	7SCAN	NORM,286.022999,	Check S/P Position	4R3	4	0	4,135,717:90:0	
1537	97	261	07:47:59.666	125DJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,135,718:84:0	
1538	**97**	**261**	**07:47:59.666**	**125DJ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,135,718:84:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1539	97	261	07:47:59.666	125DJ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,135,718:84:0
1540	97	261	07:49:00.333	127DJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,135,719:84:0
1541	**97**	**261**	**07:49:01.000**	**127DJ4A**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,135,719:85:0**
1542	97	261	07:49:08.333	127DJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,135,720:05:0
1543	97	261	07:49:53.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2517.28 +/- 2	2R3	4	0	4,135,720:73:0
1544	97	261	07:49:53.666	175DJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,135,720:73:0
1545	97	261	07:49:55.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2517.40 +/- 2	2R3	4	0	4,135,720:75:1
1546	97	261	07:49:56.333	117DJ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,135,720:77:0
1547	97	261	07:50:00.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2518.64 +/- 2	2R3	4	0	4,135,720:83:0
1548	97	261	07:50:01.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2518.70 +/- 2	2R3	4	0	4,135,720:84:8
1549	97	261	07:50:02.333	175DJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,135,720:86:0
1550	97	261	07:50:02.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2518.58 +/- 2	2R3	4	0	4,135,720:86:9
1551	97	261	07:50:02.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2518.58 +/- 2	2R3	4	0	4,135,720:86:9
1552	97	261	07:50:04.333	165DJ4B	7VECT		Inert vect update UTC	2R3	4	0	4,135,720:89:0
1553	97	261	07:50:05.666	117DJ105A106A4A	7STRP	0.0032,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,135,721:00:0
1554	**97**	**261**	**07:50:05.666**	**10INCHEMIS01-**	**NIMPBK**	**301FI**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1555	**97**	**261**	**07:50:05.666**	**10INCHEMIS01-**	**NIMPBK**	**301DI**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1556	97	261	07:51:55.000	117DJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,135,722:73:0
1557	**97**	**261**	**07:52:55.666**	**10INCHEMIS01-**	**DESELC**	**300FI**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1558	**97**	**261**	**07:52:55.666**	**10INCHEMIS01-**	**DESELC**	**300DI**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1559	97	261	07:53:07.666	175DJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,135,724:00:0
1560	97	261	07:53:07.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2475.28 +/- 2	2R3	4	0	4,135,724:00:0
1561	97	261	07:53:07.666	175DJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,135,724:00:0
1562	97	261	07:53:08.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2475.22 +/- 2	2R3	4	0	4,135,724:01:8
1563	**97**	**261**	**07:53:11.267**	**10INCHEMIS01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1564	**97**	**261**	**07:54:11.933**	**10INCHEMIS08-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1565	97	261	07:55:08.333	165DK4A	7SCAN	NORM,286.716,-24	Check S/P Position	2R3	4	0	4,135,725:90:0
1566	97	261	07:57:05.666	127DK	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,135,727:84:0
1567	**97**	**261**	**07:57:06.333**	**127DK4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,135,727:85:0**
1568	97	261	07:57:13.666	127DK11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,135,728:05:0
1569	97	261	07:57:56.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2475.22 +/- 2	2R3	4	0	4,135,728:69:0
1570	97	261	07:57:56.333	175DK422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	2R3	4	0	4,135,728:69:0
1571	97	261	07:57:57.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2475.34 +/- 2	2R3	4	0	4,135,728:71:1
1572	97	261	07:58:01.666	117DK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,135,728:77:0
1573	97	261	07:58:03.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2476.58 +/- 2	2R3	4	0	4,135,728:79:0
1574	97	261	07:58:04.200		DMS:	: *RUNUP	R28, TRACK *2, *REV, TIC *2476.64 +/- 2	2R3	4	0	4,135,728:80:8
1575	97	261	07:58:07.666	175DK176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	4,135,728:86:0
1576	97	261	07:58:08.200		DMS:	: *AT_SPD	R28, TRACK 2, REV, TIC 2475.14 +/- 2	2R3	4	0	4,135,728:86:8
1577	97	261	07:58:08.200		DMS:	**: *RECORD**	R28, TRACK 2, REV, TIC *2475.14 +/- 2	2R3	4	0	4,135,728:86:8
1578	97	261	07:58:09.666	165DK4B	7VECT		Inert vect update UTC	2R3	4	0	4,135,728:89:0
1579	**97**	**261**	**07:58:11.000**	**10INCHEMIS08-**	**NIMPBK**	**301DJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1580	**97**	**261**	**07:58:11.000**	**10INCHEMIS08-**	**NIMPBK**	**301FR**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1581	97	261	07:58:11.000	117DK105A106A4A	7STRP	0.0024,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,135,729:00:0
1582	**97**	**261**	**07:59:33.666**	**10INCHEMIS08-**	**DESELC**	**300FR**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1583	**97**	**261**	**07:59:33.666**	**10INCHEMIS08-**	**DESELC**	**300DJ**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
1584	97	261	07:59:33.666	117DK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,135,730:33:0
1585	97	261	07:59:38.333	175DK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,135,730:40:0
1586	97	261	07:59:38.333		DMS:	**: *RUNDOWN**	R28, TRACK 2, REV, TIC *2395.92 +/- 2	2R3	4	0	4,135,730:40:0
1587	97	261	07:59:39.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2395.62 +/- 2	2R3	4	0	4,135,730:41:8
1588	**97**	**261**	**08:00:02.600**	**10INCHEMIS08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1589	**97**	**261**	**08:21:29.933**	**10JNNPOLEM06-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1590	97	261	08:22:26.333	165DL4A	7SCAN	NORM,262.817997,	Check S/P Position	2R3	4	0	4,135,752:90:0
1591	**97**	**261**	**08:24:23.666**	**127DL4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,135,754:84:0**
1592	97	261	08:24:23.666	127DL	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,135,754:84:0
1593	**97**	**261**	**08:24:24.333**	**127DL4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,135,754:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1594	97	261	08:24:31.666	127DL11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,135,755:05:0
1595	97	261	08:25:17.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2395.62 +/- 2	2R5	4	1	4,135,755:73:0
1596	97	261	08:25:17.000	175DL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,755:73:0
1597	97	261	08:25:18.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2395.74 +/- 2	2R5	4	1	4,135,755:75:1
1598	97	261	08:25:19.666	117DL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,755:77:0
1599	97	261	08:25:23.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2396.97 +/- 2	2R5	4	1	4,135,755:83:0
1600	97	261	08:25:24.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2397.03 +/- 2	2R5	4	1	4,135,755:84:8
1601	97	261	08:25:25.666	175DL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,755:86:0
1602	97	261	08:25:26.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2396.91 +/- 2	2R5	4	1	4,135,755:86:9
1603	97	261	08:25:26.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2396.91 +/- 2	2R5	4	1	4,135,755:86:9
1604	97	261	08:25:29.000	117DL105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,756:00:0
1605	**97**	**261**	**08:25:29.000**	**10JNNPOLEM06-**	**NIMPBK**	**301DK**	**JUPITER NORTH POLE MAP PRT 6**	**2R5**	**4**	**1**	**: :**
1606	97	261	08:32:09.000	117DL105A106A4B	7STRP	0.049039,-0.004,	Slew =12.01	2R5	4	1	4,135,762:54:0
1607	97	261	08:32:22.333	117DL105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,762:74:0
1608	97	261	08:39:02.333	117DL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,769:37:0
1609	**97**	**261**	**08:39:02.333**	**10JNNPOLEM06-**	**DESELC**	**300DK**	**JUPITER NORTH POLE MAP PRT 6**	**2R5**	**4**	**1**	**: :**
1610	97	261	08:39:14.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2202.83 +/- 2	2R5	4	1	4,135,769:55:0
1611	97	261	08:39:14.333	175DL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,769:55:0
1612	97	261	08:39:14.333	175DL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,769:55:0
1613	97	261	08:39:15.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2202.77 +/- 2	2R5	4	1	4,135,769:56:8
1614	97	261	08:39:37.666	165GG4A	7SCAN	NORM,263.962997,	Check S/P Position	2R5	4	1	4,135,769:90:0
1615	**97**	**261**	**08:39:41.933**	**10JNNPOLEM06-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1616	97	261	08:43:31.666	117GG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,773:77:0
1617	97	261	08:43:41.000	117GG105A106A4A	7STRP	0.020003,-0.1519	Slew =,0.12	2R5	4	1	4,135,774:00:0
1618	97	261	08:43:41.000	176GG6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,135,774:00:0
1619	97	261	08:57:35.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2202.77 +/- 2	2R5	4	1	4,135,787:68:0
1620	97	261	08:57:35.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,787:68:0
1621	97	261	08:57:36.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2202.89 +/- 2	2R5	4	1	4,135,787:70:1
1622	97	261	08:57:41.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2204.13 +/- 2	2R5	4	1	4,135,787:78:0
1623	97	261	08:57:42.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2204.19 +/- 2	2R5	4	1	4,135,787:79:8
1624	97	261	08:57:44.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2204.07 +/- 2	2R5	4	1	4,135,787:81:9
1625	97	261	08:58:03.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2199.68 +/- 2	2R5	4	1	4,135,788:19:0
1626	97	261	08:58:25.666	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,788:53:0
1627	97	261	08:58:25.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2194.36 +/- 2	2R5	4	1	4,135,788:53:0
1628	97	261	08:58:26.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2194.30 +/- 2	2R5	4	1	4,135,788:54:8
1629	**97**	**261**	**09:08:00.600**	**10NNRELOAD02-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1630	**97**	**261**	**09:09:01.000**	**20ED6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,135,799:05:0**
1631	**97**	**261**	**09:10:01.666**	**20ED5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,135,800:05:0**
1632	**97**	**261**	**09:11:02.333**	**20ED5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,135,801:05:0**
1633	97	261	09:11:59.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2194.30 +/- 2	2R5	4	1	4,135,801:90:0
1634	97	261	09:11:59.000	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,801:90:0
1635	97	261	09:11:59.666	176GG6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,802:00:0
1636	97	261	09:11:59.666	117GG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,802:00:0
1637	97	261	09:12:00.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2194.42 +/- 2	2R5	4	1	4,135,802:01:1
1638	**97**	**261**	**09:12:03.000**	**20ED6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,135,802:05:0**
1639	97	261	09:12:05.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2195.66 +/- 2	2R5	4	1	4,135,802:09:0
1640	97	261	09:12:06.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2195.72 +/- 2	2R5	4	1	4,135,802:10:8
1641	97	261	09:12:08.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC *2195.60 +/- 2	2R5	4	1	4,135,802:12:9
1642	97	261	09:12:27.000		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2191.21 +/- 2	2R5	4	1	4,135,802:41:0
1643	97	261	09:12:49.000	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,802:74:0
1644	97	261	09:12:49.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *2186.05 +/- 2	2R5	4	1	4,135,802:74:0
1645	97	261	09:12:50.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2185.99 +/- 2	2R5	4	1	4,135,802:75:8
1646	**97**	**261**	**09:13:03.666**	**20ED6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,135,803:05:0**
1647	**97**	**261**	**09:14:04.333**	**20ED5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,135,804:05:0**
1648	**97**	**261**	**09:15:05.000**	**20ED5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,135,805:05:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	**97**	**261**	**09:16:05.666**	**20ED4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,135,806:05:0**	
1650	**97**	**261**	**09:17:06.333**	**20ED4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,135,807:05:0**	
1651	97	261	09:18:03.000	165IN4A	7SCAN	NORM,270.344997,	Check S/P Position	2R3	4	0	4,135,807:90:0	
1652	**97**	**261**	**09:18:07.267**	**10NNRELOAD02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1653	97	261	09:21:55.000	175IL422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	2R3	4	0	4,135,811:74:0	
1654	97	261	09:21:55.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2185.99 +/- 2	2R3	4	0	4,135,811:74:0	
1655	97	261	09:21:56.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2186.11 +/- 2	2R3	4	0	4,135,811:76:1	
1656	97	261	09:22:01.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2187.35 +/- 2	2R3	4	0	4,135,811:84:0	
1657	97	261	09:22:02.866		DMS:	: *RUNUP	R806, TRACK *2, *REV, TIC *2187.41 +/- 2	2R3	4	0	4,135,811:85:8	
1658	97	261	09:22:07.666	175IL176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,135,812:02:0	
1659	97	261	09:22:08.133		DMS:	: *AT_SPD	R806, TRACK 2, REV, TIC 2121.41 +/- 2	2R3	4	0	4,135,812:02:7	
1660	97	261	09:22:08.133		DMS:	**: *RECORD**	R806, TRACK 2, REV, TIC *2121.41 +/- 2	2R3	4	0	4,135,812:02:7	
1661	97	261	09:22:11.000	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,135,812:07:0	
1662	97	261	09:22:11.000		DMS:	**: *RUNDOWN**	R806, TRACK 2, REV, TIC *2050.86 +/- 2	2R3	4	0	4,135,812:07:0	
1663	97	261	09:22:13.733		DMS:	: *READY	RDY, TRACK 2, REV, TIC *2039.36 +/- 2	2R3	4	0	4,135,812:11:1	
1664	**97**	**261**	**09:28:13.933**	**10JNSPOLEM08-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1665	97	261	09:29:10.333	165DM4A	7SCAN	NORM,266.332996,	Check S/P Position	2R3	4	0	4,135,818:90:0	
1666	**97**	**261**	**09:31:07.666**	**127DM4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,135,820:84:0**	
1667	97	261	09:31:07.666	127DM	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,135,820:84:0	
1668	**97**	**261**	**09:31:08.333**	**127DM4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,135,820:85:0**	
1669	97	261	09:31:15.666	127DM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,135,821:05:0	
1670	97	261	09:32:01.000	175DM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,821:73:0	
1671	97	261	09:32:01.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2039.36 +/- 2	2R5	4	1	4,135,821:73:0	
1672	97	261	09:32:02.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2039.48 +/- 2	2R5	4	1	4,135,821:75:1	
1673	97	261	09:32:03.666	117DM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,821:77:0	
1674	97	261	09:32:07.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2040.71 +/- 2	2R5	4	1	4,135,821:83:0	
1675	97	261	09:32:08.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *2040.77 +/- 2	2R5	4	1	4,135,821:84:8	
1676	97	261	09:32:09.666	175DM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,821:86:0	
1677	97	261	09:32:10.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *2040.65 +/- 2	2R5	4	1	4,135,821:86:9	
1678	97	261	09:32:10.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 2040.65 +/- 2	2R5	4	1	4,135,821:86:9	
1679	**97**	**261**	**09:32:13.000**	**10JNSPOLEM08-**	**NIMPBK**	**301DL**	**JUPITER SOUTH POLE MAP PRT 8**	**2R5**	**4**	**1**	**: :**	
1680	**97**	**261**	**09:32:13.000**	**10JNSPOLEM08-**	**NIMPBK**	**301FS**	**JUPITER SOUTH POLE MAP PRT 8**	**2R5**	**4**	**1**	**: :**	
1681	97	261	09:32:13.000	117DM105A106A4A	7STRP	-0.036416,0.0,0,	Slew =,0.11	2R5	4	1	4,135,822:00:0	
1682	97	261	09:37:46.333	117DM105A106A4B	7STRP	0.040021,-0.008,	Slew =12.01	2R5	4	1	4,135,827:45:0	
1683	97	261	09:38:06.333	117DM105A106A4C	7STRP	-0.036416,0.0,0,	Slew =,0.11	2R5	4	1	4,135,827:75:0	
1684	97	261	09:43:39.666	117DM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,833:29:0	
1685	**97**	**261**	**09:43:39.666**	**10JNSPOLEM08-**	**DESELC**	**300DL**	**JUPITER SOUTH POLE MAP PRT 8**	**2R5**	**4**	**1**	**: :**	
1686	**97**	**261**	**09:43:39.666**	**10JNSPOLEM08-**	**DESELC**	**300FS**	**JUPITER SOUTH POLE MAP PRT 8**	**2R5**	**4**	**1**	**: :**	
1687	97	261	09:43:51.666	175DM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,833:47:0	
1688	97	261	09:43:51.666	175DM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,833:47:0	
1689	97	261	09:43:51.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1876.26 +/- 2	2R5	4	1	4,135,833:47:0	
1690	97	261	09:43:52.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1876.20 +/- 2	2R5	4	1	4,135,833:48:8	
1691	**97**	**261**	**09:44:24.600**	**10JNSPOLEM08-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1692	**97**	**261**	**09:44:24.600**	**10JNNPOLEM01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1693	97	261	09:45:21.000	165DN4A	7SCAN	NORM,267.459,-21	Check S/P Position	2R5	4	1	4,135,834:90:0	
1694	97	261	09:48:11.666	175DN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,837:73:0	
1695	97	261	09:48:11.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1876.20 +/- 2	2R5	4	1	4,135,837:73:0	
1696	97	261	09:48:13.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1876.32 +/- 2	2R5	4	1	4,135,837:75:1	
1697	97	261	09:48:14.333	117DN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,837:77:0	
1698	97	261	09:48:18.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1877.56 +/- 2	2R5	4	1	4,135,837:83:0	
1699	97	261	09:48:19.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1877.62 +/- 2	2R5	4	1	4,135,837:84:8	
1700	97	261	09:48:20.333	175DN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,837:86:0	
1701	97	261	09:48:20.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1877.50 +/- 2	2R5	4	1	4,135,837:86:9	
1702	97	261	09:48:20.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1877.50 +/- 2	2R5	4	1	4,135,837:86:9	
1703	97	261	09:48:23.666	117DN105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,838:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	**97**	**261**	**09:48:23.666**	**10JNNPOLEM01-**	**NIMPBK**	**301DM**	**JUPITER NORTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1705	97	261	09:55:03.666	117DN105A106A4B	7STRP	0.049039,-0.008,	Slew =12.01	2R5	4	1	4,135,844:54:0	
1706	97	261	09:55:17.000	117DN105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,844:74:0	
1707	97	261	10:01:57.000	117DN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,851:37:0	
1708	**97**	**261**	**10:01:57.000**	**10JNNPOLEM01-**	**DESELC**	**300DM**	**JUPITER NORTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1709	97	261	10:02:09.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1683.42 +/- 2	2R5	4	1	4,135,851:55:0	
1710	97	261	10:02:09.000	175DN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,851:55:0	
1711	97	261	10:02:09.000	175DN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,851:55:0	
1712	97	261	10:02:10.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1683.36 +/- 2	2R5	4	1	4,135,851:56:8	
1713	97	261	10:02:32.333	165CO4A	7SCAN	NORM,220.250999,	Check S/P Position	2R5	4	1	4,135,851:90:0	
1714	**97**	**261**	**10:02:36.600**	**10JNNPOLEM01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1715	97	261	10:06:34.333	165CO4B	7VECT		Inert vect update UTC	2R5	4	1	4,135,855:89:0	
1716	**97**	**261**	**10:23:50.600**	**10JNSPOLEM01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1717	97	261	10:24:47.000	165DO4A	7SCAN	NORM,269.498997,	Check S/P Position	2R5	4	1	4,135,873:90:0	
1718	97	261	10:27:37.666	175DO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,876:73:0	
1719	97	261	10:27:37.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1683.36 +/- 2	2R5	4	1	4,135,876:73:0	
1720	97	261	10:27:39.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1683.48 +/- 2	2R5	4	1	4,135,876:75:1	
1721	97	261	10:27:40.333	117DO	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,876:77:0	
1722	97	261	10:27:44.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1684.71 +/- 2	2R5	4	1	4,135,876:83:0	
1723	97	261	10:27:45.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1684.77 +/- 2	2R5	4	1	4,135,876:84:8	
1724	97	261	10:27:46.333	175DO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,876:86:0	
1725	97	261	10:27:46.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1684.65 +/- 2	2R5	4	1	4,135,876:86:9	
1726	97	261	10:27:46.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1684.65 +/- 2	2R5	4	1	4,135,876:86:9	
1727	97	261	10:27:49.666	117DO105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,877:00:0	
1728	**97**	**261**	**10:27:49.666**	**10JNSPOLEM01-**	**NIMPBK**	**301FT**	**JUPITER SOUTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1729	**97**	**261**	**10:27:49.666**	**10JNSPOLEM01-**	**NIMPBK**	**301DN**	**JUPITER SOUTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1730	97	261	10:34:29.666	117DO105A106A4B	7STRP	0.055056,-0.008,	Slew =12.01	2R5	4	1	4,135,883:54:0	
1731	97	261	10:34:43.000	117DO105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,883:74:0	
1732	**97**	**261**	**10:41:23.000**	**10JNSPOLEM01-**	**DESELC**	**300DN**	**JUPITER SOUTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1733	**97**	**261**	**10:41:23.000**	**10JNSPOLEM01-**	**DESELC**	**300FT**	**JUPITER SOUTH POLE MAP PRT 1**	**2R5**	**4**	**1**	**: :**	
1734	97	261	10:41:23.000	117DO11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,890:37:0	
1735	97	261	10:41:35.000	175DO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,890:55:0	
1736	97	261	10:41:35.000	175DO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,890:55:0	
1737	97	261	10:41:35.000		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1490.58 +/- 2	2R5	4	1	4,135,890:55:0	
1738	97	261	10:41:36.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1490.52 +/- 2	2R5	4	1	4,135,890:56:8	
1739	**97**	**261**	**10:42:02.600**	**10JNSPOLEM01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1740	**97**	**261**	**10:59:13.933**	**10JNNPOLEM02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1741	97	261	11:00:10.333	165DP4A	7SCAN	NORM,272.117996,	Check S/P Position	2R5	4	1	4,135,908:90:0	
1742	97	261	11:03:01.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1490.52 +/- 2	2R5	4	1	4,135,911:73:0	
1743	97	261	11:03:01.000	175DP422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,911:73:0	
1744	97	261	11:03:02.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1490.64 +/- 2	2R5	4	1	4,135,911:75:1	
1745	97	261	11:03:03.666	117DP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,911:77:0	
1746	97	261	11:03:07.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1491.87 +/- 2	2R5	4	1	4,135,911:83:0	
1747	97	261	11:03:08.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1491.93 +/- 2	2R5	4	1	4,135,911:84:8	
1748	97	261	11:03:09.666	175DP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,911:86:0	
1749	97	261	11:03:10.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1491.81 +/- 2	2R5	4	1	4,135,911:86:9	
1750	97	261	11:03:10.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1491.81 +/- 2	2R5	4	1	4,135,911:86:9	
1751	97	261	11:03:13.000	117DP105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,912:00:0	
1752	**97**	**261**	**11:03:13.000**	**10JNNPOLEM02-**	**NIMPBK**	**301DO**	**JUPITER NORTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1753	97	261	11:09:53.000	117DP105A106A4B	7STRP	0.049039,-0.008,	Slew =12.01	2R5	4	1	4,135,918:54:0	
1754	97	261	11:10:06.333	117DP105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,918:74:0	
1755	97	261	11:16:46.333	117DP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,925:37:0	
1756	**97**	**261**	**11:16:46.333**	**10JNNPOLEM02-**	**DESELC**	**300DO**	**JUPITER NORTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1757	97	261	11:16:58.333	175DP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,925:55:0	
1758	97	261	11:16:58.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1297.73 +/- 2	2R5	4	1	4,135,925:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	97	261	11:16:58.333	175DP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,925:55:0	
1760	97	261	11:16:59.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1297.67 +/- 2	2R5	4	1	4,135,925:56:8	
1761	**97**	**261**	**11:17:25.933**	**10JNNPOLEM02-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1762	**97**	**261**	**11:38:39.933**	**10JNSPOLEM02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1763	97	261	11:39:36.333	165DQ4A	7SCAN	NORM,274.901997,	Check S/P Position	2R5	4	1	4,135,947:90:0	
1764	97	261	11:42:27.000	175DQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,950:73:0	
1765	97	261	11:42:27.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1297.67 +/- 2	2R5	4	1	4,135,950:73:0	
1766	97	261	11:42:28.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1297.79 +/- 2	2R5	4	1	4,135,950:75:1	
1767	97	261	11:42:29.666	117DQ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,950:77:0	
1768	97	261	11:42:33.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1299.03 +/- 2	2R5	4	1	4,135,950:83:0	
1769	97	261	11:42:34.866		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1299.09 +/- 2	2R5	4	1	4,135,950:84:8	
1770	97	261	11:42:35.666	175DQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,950:86:0	
1771	97	261	11:42:36.266		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1298.97 +/- 2	2R5	4	1	4,135,950:86:9	
1772	97	261	11:42:36.266		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1298.97 +/- 2	2R5	4	1	4,135,950:86:9	
1773	**97**	**261**	**11:42:39.000**	**10JNSPOLEM02-**	**NIMPBK**	**301DP**	**JUPITER SOUTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1774	97	261	11:42:39.000	117DQ105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,951:00:0	
1775	**97**	**261**	**11:42:39.000**	**10JNSPOLEM02-**	**NIMPBK**	**301FU**	**JUPITER SOUTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1776	97	261	11:49:19.000	117DQ105A106A4B	7STRP	0.055056,-0.008,	Slew =12.01	2R5	4	1	4,135,957:54:0	
1777	97	261	11:49:32.333	117DQ105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,135,957:74:0	
1778	**97**	**261**	**11:56:12.333**	**10JNSPOLEM02-**	**DESELC**	**300FU**	**JUPITER SOUTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1779	**97**	**261**	**11:56:12.333**	**10JNSPOLEM02-**	**DESELC**	**300DP**	**JUPITER SOUTH POLE MAP PRT 2**	**2R5**	**4**	**1**	**: :**	
1780	97	261	11:56:12.333	117DQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,964:37:0	
1781	97	261	11:56:24.333	175DQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,964:55:0	
1782	97	261	11:56:24.333	175DQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,964:55:0	
1783	97	261	11:56:24.333		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1104.89 +/- 2	2R5	4	1	4,135,964:55:0	
1784	97	261	11:56:25.533		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1104.83 +/- 2	2R5	4	1	4,135,964:56:8	
1785	**97**	**261**	**11:56:51.933**	**10JNSPOLEM02-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1786	**97**	**261**	**12:02:55.933**	**10JNFEA04101-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1787	97	261	12:03:52.333	165DR4A	7SCAN	NORM,277.080997,	Check S/P Position	2R5	4	1	4,135,971:90:0	
1788	97	261	12:07:43.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1104.83 +/- 2	2R5	4	1	4,135,975:73:0	
1789	97	261	12:07:43.666	175DR422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,975:73:0	
1790	97	261	12:07:45.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1104.95 +/- 2	2R5	4	1	4,135,975:75:1	
1791	97	261	12:07:46.333	117DR	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,975:77:0	
1792	97	261	12:07:50.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1106.18 +/- 2	2R5	4	1	4,135,975:83:0	
1793	97	261	12:07:51.533		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1106.24 +/- 2	2R5	4	1	4,135,975:84:8	
1794	97	261	12:07:52.333	175DR176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,975:86:0	
1795	97	261	12:07:52.933		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1106.12 +/- 2	2R5	4	1	4,135,975:86:9	
1796	97	261	12:07:52.933		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1106.12 +/- 2	2R5	4	1	4,135,975:86:9	
1797	97	261	12:07:55.666	117DR105A106A4A	7STRP	-0.0108,0.0,0,0,	Slew =,0.11	2R5	4	1	4,135,976:00:0	
1798	**97**	**261**	**12:07:55.666**	**10JNFEA04101-**	**NIMPBK**	**301DQ**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
1799	**97**	**261**	**12:07:55.666**	**10JNFEA04101-**	**NIMPBK**	**301FV**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
1800	97	261	12:09:35.666	117DR105A106A4B	7STRP	0.012001,-0.008,	Slew =12.01	2R5	4	1	4,135,977:59:0	
1801	97	261	12:09:49.000	117DR105A106A4C	7STRP	-0.0108,0.0,0,0,	Slew =,0.11	2R5	4	1	4,135,977:79:0	
1802	**97**	**261**	**12:11:29.000**	**10JNFEA04101-**	**DESELC**	**300FV**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
1803	97	261	12:11:29.000	117DR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,979:47:0	
1804	**97**	**261**	**12:11:29.000**	**10JNFEA04101-**	**DESELC**	**300DQ**	**JUPITER FEATURE TRACK 41 DEG PHA**	**2R5**	**4**	**1**	**: :**	
1805	97	261	12:11:47.666		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC *1051.11 +/- 2	2R5	4	1	4,135,979:75:0	
1806	97	261	12:11:47.666	175DR6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,979:75:0	
1807	97	261	12:11:47.666	175DR422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,979:75:0	
1808	97	261	12:11:48.866		DMS:	: *READY	RDY, TRACK 2, REV, TIC *1051.05 +/- 2	2R5	4	1	4,135,979:76:8	
1809	**97**	**261**	**12:12:01.933**	**10JNFEA04101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
1810	**97**	**261**	**12:14:03.267**	**10JNNPOLEM03-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
1811	97	261	12:14:59.666	165DS4A	7SCAN	NORM,277.155998,	Check S/P Position	2R5	4	1	4,135,982:90:0	
1812	97	261	12:17:50.333	175DS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,135,985:73:0	
1813	97	261	12:17:50.333		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1051.05 +/- 2	2R5	4	1	4,135,985:73:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1814	97	261	12:17:51.733		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1051.17 +/- 2	2R5	4	1	4,135,985:75:1
1815	97	261	12:17:53.000	117DS	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,135,985:77:0
1816	97	261	12:17:57.000		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1052.40 +/- 2	2R5	4	1	4,135,985:83:0
1817	97	261	12:17:58.200		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC *1052.46 +/- 2	2R5	4	1	4,135,985:84:8
1818	97	261	12:17:59.000	175DS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,135,985:86:0
1819	97	261	12:17:59.600		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC *1052.34 +/- 2	2R5	4	1	4,135,985:86:9
1820	97	261	12:17:59.600		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 1052.34 +/- 2	2R5	4	1	4,135,985:86:9
1821	97	261	12:18:02.333	117DS105A106A4A	7STRP	-0.037217,0.0,0,	Slew =,0.11	2R5	4	1	4,135,986:00:0
1822	**97**	**261**	**12:18:02.333**	**10JNNPOLEM03-**	**NIMPBK**	**301DR**	**JUPITER NORTH POLE MAP PRT 3**	**2R5**	**4**	**1**	**: :**
1823	97	261	12:23:41.666	117DS105A106A4B	7STRP	0.041023,-0.008,	Slew =12.01	2R5	4	1	4,135,991:54:0
1824	97	261	12:23:55.000	117DS105A106A4C	7STRP	-0.037217,0.0,0,	Slew =,0.11	2R5	4	1	4,135,991:74:0
1825	**97**	**261**	**12:29:34.266**	**10JNNPOLEM03-**	**DESELC**	**300DR**	**JUPITER NORTH POLE MAP PRT 3**	**2R5**	**4**	**1**	**: :**
1826	97	261	12:29:34.266	117DS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,135,997:37:0
1827	97	261	12:29:46.266		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 886.72 +/- 2	2R5	4	1	4,135,997:55:0
1828	97	261	12:29:46.266	175DS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,135,997:55:0
1829	97	261	12:29:46.266	175DS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,135,997:55:0
1830	97	261	12:29:47.466		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 886.66 +/- 2	2R5	4	1	4,135,997:56:8
1831	**97**	**261**	**12:32:15.267**	**10JNNPOLEM03-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1832	**97**	**261**	**12:33:15.933**	**10NNHEALTH01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1833	97	261	12:34:08.266	127KA	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,001:84:0
1834	**97**	**261**	**12:34:08.266**	**127KA4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,001:84:0**
1835	**97**	**261**	**12:34:08.933**	**127KA4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,001:85:0**
1836	97	261	12:34:16.933	127KA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,002:06:0
1837	**97**	**261**	**12:34:32.933**	**432EZ6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,136,002:30:0**
1838	**97**	**261**	**12:35:32.266**	**432DB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,136,003:28:0**
1839	97	261	12:36:13.600	165DU4A	7SCAN	NORM,279.403,-28	Check S/P Position	2R3	4	0	4,136,003:90:0
1840	**97**	**261**	**12:36:17.933**	**10NNHEALTH01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1841	**97**	**261**	**12:36:17.933**	**10JNSPOLEM03-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1842	97	261	12:38:10.933	127DU	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,005:84:0
1843	**97**	**261**	**12:38:10.933**	**127DU4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,005:84:0**
1844	**97**	**261**	**12:38:11.600**	**127DU4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,005:85:0**
1845	97	261	12:38:19.600	127DU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,006:06:0
1846	97	261	12:39:04.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 886.66 +/- 2	2R5	4	1	4,136,006:73:0
1847	97	261	12:39:04.266	175DU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,006:73:0
1848	97	261	12:39:05.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 886.78 +/- 2	2R5	4	1	4,136,006:75:1
1849	97	261	12:39:06.933	117DU	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,006:77:0
1850	97	261	12:39:10.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 888.01 +/- 2	2R5	4	1	4,136,006:83:0
1851	97	261	12:39:12.133		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 888.07 +/- 2	2R5	4	1	4,136,006:84:8
1852	97	261	12:39:12.933	175DU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,006:86:0
1853	97	261	12:39:13.533		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 887.95 +/- 2	2R5	4	1	4,136,006:86:9
1854	97	261	12:39:13.533		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 887.95 +/- 2	2R5	4	1	4,136,006:86:9
1855	97	261	12:39:16.266	117DU105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,007:00:0
1856	**97**	**261**	**12:39:16.266**	**10JNSPOLEM03-**	**NIMPBK**	**301DS**	**JUPITER SOUTH POLE MAP PRT 3**	**2R5**	**4**	**1**	**: :**
1857	97	261	12:45:56.266	117DU105A106A4B	7STRP	0.05305,-0.008,0	Slew =12.01	2R5	4	1	4,136,013:54:0
1858	97	261	12:46:09.600	117DU105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,013:74:0
1859	**97**	**261**	**12:52:49.600**	**10JNSPOLEM03-**	**DESELC**	**300DS**	**JUPITER SOUTH POLE MAP PRT 3**	**2R5**	**4**	**1**	**: :**
1860	97	261	12:52:49.600	117DU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,020:37:0
1861	97	261	12:53:01.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 693.87 +/- 2	2R5	4	1	4,136,020:55:0
1862	97	261	12:53:01.600	175DU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,020:55:0
1863	97	261	12:53:01.600	175DU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,020:55:0
1864	97	261	12:53:02.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 693.81 +/- 2	2R5	4	1	4,136,020:56:8
1865	**97**	**261**	**12:53:29.267**	**10JNSPOLEM03-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1866	**97**	**261**	**12:56:31.267**	**10JNNPAURD01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1867	97	261	12:57:23.600	127DV	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,024:84:0
1868	**97**	**261**	**12:57:23.600**	**127DV4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,024:84:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	**97**	**261**	**12:57:24.266**	**127DV4B**	**37ETB**	**0A,CA,16,07,FE,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,024:85:0**	
1870	97	261	12:57:27.600	165DV4A	7SCAN	NORM,280.030998,	Check S/P Position	2R3	4	0	4,136,024:90:0	
1871	97	261	12:57:32.266	127DV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,025:06:0	
1872	97	261	12:58:16.933	175DV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,025:73:0	
1873	97	261	12:58:16.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 693.81 +/- 2	2R3	4	0	4,136,025:73:0	
1874	97	261	12:58:18.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 693.93 +/- 2	2R3	4	0	4,136,025:75:1	
1875	97	261	12:58:19.600	117DV	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,025:77:0	
1876	97	261	12:58:23.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 695.17 +/- 2	2R3	4	0	4,136,025:83:0	
1877	97	261	12:58:24.800		DMS:	: *RUNUP	R7, TRACK *2, *REV, TIC * 695.23 +/- 2	2R3	4	0	4,136,025:84:8	
1878	97	261	12:58:25.600	175DV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,136,025:86:0	
1879	97	261	12:58:26.200		DMS:	: *AT_SPD	R7, TRACK 2, REV, TIC 695.11 +/- 2	2R3	4	0	4,136,025:86:9	
1880	97	261	12:58:26.200		DMS:	**: *RECORD**	R7, TRACK 2, REV, TIC * 695.11 +/- 2	2R3	4	0	4,136,025:86:9	
1881	**97**	**261**	**12:58:28.933**	**10JNNPAURD01-**	**NIMPBK**	**301DT**	**JUPITER NORTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**	
1882	97	261	12:58:28.933	117DV105A106A4A	7STRP	-0.017302,0.0,0,	Slew =,0.02	2R3	4	0	4,136,026:00:0	
1883	**97**	**261**	**12:58:28.933**	**10JNNPAURD01-**	**NIMPBK**	**301FW**	**JUPITER NORTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**	
1884	**97**	**261**	**13:12:28.933**	**10JNNPAURD01-**	**DESELC**	**300DT**	**JUPITER NORTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**	
1885	97	261	13:12:55.600	117DV105A106A4B	7STRP	0.027007,-0.007,	Slew =12.01	2R3	4	0	4,136,040:26:0	
1886	97	261	13:13:12.933	117DV105A106A4C	7STRP	-0.017302,0.0,0,	Slew =,0.02	2R3	4	0	4,136,040:52:0	
1887	**97**	**261**	**13:27:29.600**	**10JNNPAURD01-**	**DESELC**	**300FW**	**JUPITER NORTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**	
1888	97	261	13:27:39.600	117DV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,054:78:0	
1889	97	261	13:27:41.600	175DV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,054:81:0	
1890	97	261	13:27:41.600	175DV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,054:81:0	
1891	97	261	13:27:41.600		DMS:	**: *RUNDOWN**	R7, TRACK 2, REV, TIC * 283.69 +/- 2	2R3	4	0	4,136,054:81:0	
1892	97	261	13:27:42.800		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 283.63 +/- 2	2R3	4	0	4,136,054:82:8	
1893	**97**	**261**	**13:27:51.933**	**10JNNPAURD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1894	**97**	**261**	**13:29:53.267**	**10NNRELOAD03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1895	**97**	**261**	**13:30:54.266**	**20EC6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**4,136,058:06:0**	
1896	**97**	**261**	**13:31:54.933**	**20EC5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,136,059:06:0**	
1897	97	261	13:32:44.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 283.63 +/- 2	2R3	4	0	4,136,059:81:0	
1898	97	261	13:32:44.933		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 283.63 +/- 2	2R3	4	0	4,136,059:81:0	
1899	97	261	13:32:44.933	465KC6A	6DTRN	CMD,6DTRN,465KC6	DMS TRACK TURNAROUND	2R3	4	0	4,136,059:81:0	
1900	97	261	13:32:46.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 283.75 +/- 2	2R3	4	0	4,136,059:83:1	
1901	97	261	13:32:51.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 284.98 +/- 2	2R3	4	0	4,136,060:00:0	
1902	97	261	13:32:52.800		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 285.04 +/- 2	2R3	4	0	4,136,060:01:8	
1903	97	261	13:32:54.200		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 284.92 +/- 2	2R3	4	0	4,136,060:03:9	
1904	**97**	**261**	**13:32:55.600**	**20EC5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,136,060:06:0**	
1905	**97**	**261**	**13:33:56.266**	**20EC6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,136,061:06:0**	
1906	**97**	**261**	**13:34:56.933**	**20EC6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,136,062:06:0**	
1907	**97**	**261**	**13:35:57.600**	**20EC5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,136,063:06:0**	
1908	**97**	**261**	**13:36:58.266**	**20EC5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,136,064:06:0**	
1909	**97**	**261**	**13:37:58.933**	**20EC4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,136,065:06:0**	
1910	97	261	13:38:57.000		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 2	2R0	4	0	4,136,066:02:1	
1911	97	261	13:38:58.200		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 2	2R0	4	0	4,136,066:03:9	
1912	97	261	13:38:58.200		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 2	2R0	4	0	4,136,066:03:9	
1913	**97**	**261**	**13:38:59.600**	**20EC4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,066:06:0**	
1914	97	261	13:38:59.600		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	2R3	4	0	4,136,066:06:0	
1915	97	261	13:39:11.600		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	2R3	4	0	4,136,066:24:0	
1916	97	261	13:39:12.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	2R3	4	0	4,136,066:25:8	
1917	**97**	**261**	**13:39:59.933**	**10NNRELOAD03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
1918	**97**	**261**	**13:46:03.933**	**10JNFNP04101-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
1919	97	261	13:46:56.266	127DW	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,073:84:0	
1920	**97**	**261**	**13:46:56.266**	**127DW4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,073:84:0**	
1921	**97**	**261**	**13:46:56.933**	**127DW4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,073:85:0**	
1922	97	261	13:47:00.266	165DW4A	7SCAN	NORM,283.396,-19	Check S/P Position	2R5	4	1	4,136,073:90:0	
1923	97	261	13:47:04.933	127DW11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,074:06:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1924	97	261	13:47:10.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 202.12 +/-	2R5	4	1	4,136,074:15:0
1925	97	261	13:47:10.933	175DW422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,074:15:0
1926	97	261	13:47:17.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 202.12 +/-	2R5	4	1	4,136,074:25:0
1927	97	261	13:47:18.933	175DW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,074:27:0
1928	97	261	13:47:19.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 202.24 +/-	2R5	4	1	4,136,074:27:1
1929	97	261	13:47:19.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 202.24 +/-	2R5	4	1	4,136,074:27:1
1930	97	261	13:47:52.266	117DW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,074:77:0
1931	97	261	13:48:01.600	117DW105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,075:00:0
1932	**97**	**261**	**13:48:18.266**	**10JNFNP04101-**	**NIMPBK**	**301DU**	**JUP EXPANDED NP FTR TRK 41 DEG P**	**2R5**	**4**	**1**	**: :**
1933	97	261	13:54:41.600	117DW105A106A4B	7STRP	0.049039,-0.006,	Slew =12.01	2R5	4	1	4,136,081:54:0
1934	97	261	13:54:54.933	117DW105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,081:74:0
1935	**97**	**261**	**14:01:34.933**	**10JNFNP04101-**	**DESELC**	**300DU**	**JUP EXPANDED NP FTR TRK 41 DEG P**	**2R5**	**4**	**1**	**: :**
1936	97	261	14:01:34.933	117DW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,088:37:0
1937	97	261	14:01:36.933	175DW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,088:40:0
1938	97	261	14:01:36.933	175DW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,088:40:0
1939	97	261	14:01:36.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 403.32 +/-	2R5	4	1	4,136,088:40:0
1940	97	261	14:01:38.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 403.38 +/-	2R5	4	1	4,136,088:41:8
1941	97	261	14:02:06.266	127DX	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,088:84:0
1942	**97**	**261**	**14:02:06.266**	**127DX4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,088:84:0**
1943	**97**	**261**	**14:02:06.933**	**127DX4B**	**37ETB**	**0A,CA,16,07,FE,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,088:85:0**
1944	97	261	14:02:10.266	165DX4A	7SCAN	NORM,284.119999,	Check S/P Position	2R3	4	0	4,136,088:90:0
1945	**97**	**261**	**14:02:14.600**	**10JNFNP04101-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1946	**97**	**261**	**14:02:14.600**	**10JNSPAURD01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1947	97	261	14:02:14.933	127DX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,089:06:0
1948	97	261	14:03:00.266	175DX422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,089:74:0
1949	97	261	14:03:00.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 403.38 +/-	2R3	4	0	4,136,089:74:0
1950	97	261	14:03:02.266	117DX	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,089:77:0
1951	97	261	14:03:06.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 403.38 +/-	2R3	4	0	4,136,089:84:0
1952	97	261	14:03:08.266	175DX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,136,089:86:0
1953	97	261	14:03:08.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 403.50 +/-	2R3	4	0	4,136,089:86:1
1954	97	261	14:03:08.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 403.50 +/-	2R3	4	0	4,136,089:86:1
1955	97	261	14:03:11.600	117DX105A106A4A	7STRP	-0.013651,0.0,0,	Slew =,0.02	2R3	4	0	4,136,090:00:0
1956	**97**	**261**	**14:03:11.600**	**10JNSPAURD01-**	**NIMPBK**	**301DV**	**JUPITER SOUTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**
1957	97	261	14:14:36.266	117DX105A106A4B	7STRP	0.024005,-0.007,	Slew =12.01	2R3	4	0	4,136,101:26:0
1958	97	261	14:14:53.600	117DX105A106A4C	7STRP	-0.013651,0.0,0,	Slew =,0.02	2R3	4	0	4,136,101:52:0
1959	97	261	14:15:00.266	488BD6A	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2R3	4	0	4,136,101:62:0
1960	97	261	14:17:06.266	488BD6B	6TMSED	NORM,EL7	Sci, Eng, and D/L Chan	2R3	4	0	4,136,103:69:0
1961	97	261	14:26:18.266	117DX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,112:78:0
1962	**97**	**261**	**14:27:18.266**	**10JNSPAURD01-**	**DESELC**	**300DV**	**JUPITER SOUTH POLE AURORA DAYTIM**	**2R3**	**4**	**0**	**: :**
1963	97	261	14:27:20.933	175DX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,113:81:0
1964	97	261	14:27:20.933	175DX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,113:81:0
1965	97	261	14:27:20.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 743.95 +/-	2R3	4	0	4,136,113:81:0
1966	97	261	14:27:22.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 744.01 +/-	2R3	4	0	4,136,113:82:8
1967	**97**	**261**	**14:27:31.267**	**10JNSPAURD01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
1968	**97**	**261**	**14:31:33.933**	**10JNSPOLEM04-**		**-----START------**		**2R3**	**4**	**0**	**: :**
1969	97	261	14:32:26.266	127DY	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,118:84:0
1970	**97**	**261**	**14:32:26.266**	**127DY4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,118:84:0**
1971	**97**	**261**	**14:32:26.933**	**127DY4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,118:85:0**
1972	97	261	14:32:30.266	165DY4A	7SCAN	NORM,287.797997,	Check S/P Position	2R5	4	1	4,136,118:90:0
1973	97	261	14:32:34.933	127DY11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,119:06:0
1974	97	261	14:33:20.266	175DY422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,119:74:0
1975	97	261	14:33:20.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 744.01 +/-	2R5	4	1	4,136,119:74:0
1976	97	261	14:33:22.266	117DY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,119:77:0
1977	97	261	14:33:26.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 744.01 +/-	2R5	4	1	4,136,119:84:0
1978	97	261	14:33:28.266	175DY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,119:86:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
1979	97	261	14:33:28.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 744.13 +/-	2R5	4	1	4,136,119:86:1
1980	97	261	14:33:28.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 744.13 +/-	2R5	4	1	4,136,119:86:1
1981	97	261	14:33:31.600	117DY105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,120:00:0
1982	**97**	**261**	**14:33:31.600**	**10JNSPOLEM04-**	**NIMPBK**	**301DX**	**JUPITER SOUTH POLE MAP PRT 4**	**2R5**	**4**	**1**	**: :**
1983	97	261	14:40:11.600	117DY105A106A4B	7STRP	0.055056,-0.0080	Slew =12.01	2R5	4	1	4,136,126:54:0
1984	97	261	14:40:24.933	117DY105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,126:74:0
1985	**97**	**261**	**14:47:04.933**	**10JNSPOLEM04-**	**DESELC**	**300DX**	**JUPITER SOUTH POLE MAP PRT 4**	**2R5**	**4**	**1**	**: :**
1986	97	261	14:47:04.933	117DY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,133:37:0
1987	97	261	14:47:06.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC * 935.99 +/-	2R5	4	1	4,136,133:40:0
1988	97	261	14:47:06.933	175DY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,133:40:0
1989	97	261	14:47:06.933	175DY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,133:40:0
1990	97	261	14:47:08.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 936.05 +/-	2R5	4	1	4,136,133:41:8
1991	**97**	**261**	**14:47:44.600**	**10JNSPOLEM04-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
1992	**97**	**261**	**14:48:45.267**	**10JNFNP04102-**		**-----START------**		**2R5**	**4**	**1**	**: :**
1993	97	261	14:49:41.600	165EA4A	7SCAN	NORM,287.718998,	Check S/P Position	2R5	4	1	4,136,135:90:0
1994	97	261	14:50:31.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 936.05 +/-	2R5	4	1	4,136,136:74:0
1995	97	261	14:50:31.600	175EA422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,136:74:0
1996	97	261	14:50:33.600	117EA	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,136:77:0
1997	97	261	14:50:38.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 936.05 +/-	2R5	4	1	4,136,136:84:0
1998	97	261	14:50:39.600	175EA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,136:86:0
1999	97	261	14:50:39.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC * 936.17 +/-	2R5	4	1	4,136,136:86:1
2000	97	261	14:50:39.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 936.17 +/-	2R5	4	1	4,136,136:86:1
2001	**97**	**261**	**14:50:42.933**	**10JNFNP04102-**	**NIMPBK**	**301DY**	**JUP EXPANDED FTR TRK 41 DEG PHSE**	**2R5**	**4**	**1**	**: :**
2002	97	261	14:50:42.933	117EA105A106A4A	7STRP	-0.037217,0.0,0,	Slew =,0.11	2R5	4	1	4,136,137:00:0
2003	97	261	14:53:22.266	488BD6C	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R5	4	1	4,136,139:57:0
2004	97	261	14:56:22.266	117EA105A106A4B	7STRP	0.041524,-0.005,	Slew =12.01	2R5	4	1	4,136,142:54:0
2005	97	261	14:56:35.600	117EA105A106A4C	7STRP	-0.037217,0.0,0,	Slew =,0.11	2R5	4	1	4,136,142:74:0
2006	**97**	**261**	**15:02:14.933**	**10JNFNP04102-**	**DESELC**	**300DY**	**JUP EXPANDED FTR TRK 41 DEG PHSE**	**2R5**	**4**	**1**	**: :**
2007	97	261	15:02:14.933	117EA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,148:37:0
2008	97	261	15:02:16.933	175EA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,148:40:0
2009	97	261	15:02:16.933	175EA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,148:40:0
2010	97	261	15:02:16.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1099.60 +/-	2R5	4	1	4,136,148:40:0
2011	97	261	15:02:18.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1099.66 +/-	2R5	4	1	4,136,148:41:8
2012	97	261	15:04:51.600	165EB4A	7SCAN	NORM,288.851997,	Check S/P Position	2R5	4	1	4,136,150:90:0
2013	**97**	**261**	**15:04:55.933**	**10JNFNP04102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2014	**97**	**261**	**15:04:55.933**	**10SNAMALTH01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2015	**97**	**261**	**15:06:48.933**	**125EB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,136,152:84:0**
2016	97	261	15:06:48.933	125EB11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,136,152:84:0
2017	97	261	15:06:48.933	125EB	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	4,136,152:84:0
2018	**97**	**261**	**15:07:49.600**	**127EB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,136,153:84:0**
2019	97	261	15:07:49.600	127EB	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,136,153:84:0
2020	**97**	**261**	**15:07:50.266**	**127EB4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,153:85:0**
2021	97	261	15:07:58.266	127EB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,154:06:0
2022	97	261	15:08:41.600	175EB422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,136,154:71:0
2023	97	261	15:08:41.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1099.66 +/-	4R3	4	0	4,136,154:71:0
2024	97	261	15:08:45.600	117EB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,154:77:0
2025	97	261	15:08:48.266		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 1099.66 +/-	4R3	4	0	4,136,154:81:0
2026	97	261	15:08:51.600	175EB176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,136,154:86:0
2027	97	261	15:08:52.266		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *1101.16 +/-	4R3	4	0	4,136,154:87:0
2028	97	261	15:08:52.266		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 1101.16 +/-	4R3	4	0	4,136,154:87:0
2029	97	261	15:08:54.933	117EB105A106A4A	7STRP	0.0008,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,136,155:00:0
2030	97	261	15:09:28.266	117EB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,155:50:0
2031	97	261	15:09:30.266	175EB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,155:53:0
2032	97	261	15:09:30.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *1134.55 +/-	4R3	4	0	4,136,155:53:0
2033	97	261	15:09:31.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1134.85 +/-	4R3	4	0	4,136,155:54:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	97	261	15:10:55.600	165CP4A	7SCAN	NORM,235.113998,	Check S/P Position	4R3	4	0	4,136,156:90:0	
2035	**97**	**261**	**15:10:59.933**	**10SNAMALTH01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2036	97	261	15:14:57.600	165CP4B	7VECT		Inert vect update UTC	4R3	4	0	4,136,160:89:0	
2037	**97**	**261**	**15:18:04.600**	**10JNRTHOTS01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2038	97	261	15:19:57.600	125KJ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,165:84:0	
2039	97	261	15:19:57.600	125KJ11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,165:84:0	
2040	**97**	**261**	**15:19:57.600**	**125KJ4A**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,136,165:84:0**	
2041	97	261	15:20:01.600	165DH4A	7SCAN	NORM,290.531998,	Check S/P Position	4R3	4	0	4,136,165:90:0	
2042	97	261	15:20:58.266	127KJ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,136,166:84:0	
2043	**97**	**261**	**15:20:58.933**	**127KJ4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,166:85:0**	
2044	97	261	15:21:06.933	127KJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,167:06:0	
2045	**97**	**261**	**15:21:22.933**	**432DS6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,136,167:30:0**	
2046	97	261	15:21:54.266	117DH	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,167:77:0	
2047	97	261	15:22:03.600	117DH105A106A4A	7STRP	-0.00538,0.0,0,0	Slew =,0.03	4R3	4	0	4,136,168:00:0	
2048	**97**	**261**	**15:22:22.266**	**432DT6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,136,168:28:0**	
2049	97	261	15:24:00.266	125KW	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,169:84:0	
2050	97	261	15:24:00.266	125KW11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,169:84:0	
2051	**97**	**261**	**15:24:00.266**	**125KW4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,136,169:84:0**	
2052	97	261	15:25:04.266	117DH11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,170:89:0	
2053	97	261	15:25:04.933	165EC4A	7SCAN	NORM,293.143997,	Check S/P Position	4R3	4	0	4,136,170:90:0	
2054	**97**	**261**	**15:25:09.267**	**10JNSPOLEM05-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2055	**97**	**261**	**15:25:09.267**	**10JNRTHOTS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2056	97	261	15:26:01.600	125EC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,171:84:0	
2057	97	261	15:26:01.600	125EC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,171:84:0	
2058	**97**	**261**	**15:26:01.600**	**125EC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,136,171:84:0**	
2059	**97**	**261**	**15:27:02.266**	**127EC4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,172:84:0**	
2060	97	261	15:27:02.266	127EC	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,172:84:0	
2061	**97**	**261**	**15:27:02.933**	**127EC4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,172:85:0**	
2062	97	261	15:27:10.933	127EC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,173:06:0	
2063	97	261	15:27:56.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1134.85 +/-	2R5	4	1	4,136,173:74:0	
2064	97	261	15:27:56.266	175EC422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,173:74:0	
2065	97	261	15:27:58.266	117EC	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,173:77:0	
2066	97	261	15:28:02.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1134.85 +/-	2R5	4	1	4,136,173:84:0	
2067	97	261	15:28:04.266	175EC176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,173:86:0	
2068	97	261	15:28:04.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1134.97 +/-	2R5	4	1	4,136,173:86:1	
2069	97	261	15:28:04.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1134.97 +/-	2R5	4	1	4,136,173:86:1	
2070	97	261	15:28:07.600	117EC105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,174:00:0	
2071	**97**	**261**	**15:28:07.600**	**10JNSPOLEM05-**	**NIMPBK**	**301EA**	**JUPITER SOUTH POLE MAP PRT 5**	**2R5**	**4**	**1**	**: :**	
2072	97	261	15:34:47.600	117EC105A106A4B	7STRP	0.055056,-0.0080	Slew =12.01	2R5	4	1	4,136,180:54:0	
2073	97	261	15:35:00.933	117EC105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,180:74:0	
2074	**97**	**261**	**15:41:40.933**	**10JNSPOLEM05-**	**DESELC**	**300EA**	**JUPITER SOUTH POLE MAP PRT 5**	**2R5**	**4**	**1**	**: :**	
2075	97	261	15:41:40.933	117EC11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,187:37:0	
2076	97	261	15:41:42.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1326.83 +/-	2R5	4	1	4,136,187:40:0	
2077	97	261	15:41:42.933	175EC422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,187:40:0	
2078	97	261	15:41:42.933	175EC6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,187:40:0	
2079	97	261	15:41:44.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1326.89 +/-	2R5	4	1	4,136,187:41:8	
2080	**97**	**261**	**15:42:20.600**	**10JNSPOLEM05-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2081	**97**	**261**	**15:58:31.267**	**10JNNPOLEM04-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2082	97	261	15:59:27.600	165ED4A	7SCAN	NORM,294.544998,	Check S/P Position	2R5	4	1	4,136,204:90:0	
2083	97	261	16:02:18.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1326.89 +/-	2R5	4	1	4,136,207:74:0	
2084	97	261	16:02:18.933	175ED422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,207:74:0	
2085	97	261	16:02:20.933	117ED	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,207:77:0	
2086	97	261	16:02:25.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1326.89 +/-	2R5	4	1	4,136,207:84:0	
2087	97	261	16:02:26.933	175ED176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,207:86:0	
2088	97	261	16:02:27.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1327.01 +/-	2R5	4	1	4,136,207:86:1	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2089	97	261	16:02:27.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1327.01 +/-	2R5	4	1	4,136,207:86:1
2090	97	261	16:02:30.266	117ED105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,208:00:0
2091	**97**	**261**	**16:02:30.266**	**10JNNPOLEM04-**	**NIMPBK**	**301EB**	**JUPITER NORTH POLAR MAP PRT 4**	**2R5**	**4**	**1**	**: :**
2092	97	261	16:09:10.266	117ED105A106A4B	7STRP	0.049039,-0.0060	Slew =12.01	2R5	4	1	4,136,214:54:0
2093	97	261	16:09:23.600	117ED105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,214:74:0
2094	**97**	**261**	**16:16:03.600**	**10JNNPOLEM04-**	**DESELC**	**300EB**	**JUPITER NORTH POLAR MAP PRT 4**	**2R5**	**4**	**1**	**: :**
2095	97	261	16:16:03.600	117ED11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,221:37:0
2096	97	261	16:16:05.600	175ED6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,221:40:0
2097	97	261	16:16:05.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1518.87 +/-	2R5	4	1	4,136,221:40:0
2098	97	261	16:16:05.600	175ED422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,221:40:0
2099	97	261	16:16:06.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1518.93 +/-	2R5	4	1	4,136,221:41:8
2100	**97**	**261**	**16:16:43.267**	**10JNNPOLEM04-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2101	97	261	16:18:42.266	488BD6D	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R5	4	1	4,136,224:02:0
2102	97	261	16:37:54.266	488BD6E	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R5	4	1	4,136,243:01:0
2103	**97**	**261**	**16:38:57.933**	**10JNSPOLEM06-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2104	97	261	16:39:54.266	165EG4A	7SCAN	NORM,301.181999,	Check S/P Position	2R5	4	1	4,136,244:90:0
2105	97	261	16:42:45.600	175EG422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,247:74:0
2106	97	261	16:42:45.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1518.93 +/-	2R5	4	1	4,136,247:74:0
2107	97	261	16:42:47.600	117EG	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,247:77:0
2108	97	261	16:42:52.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1518.93 +/-	2R5	4	1	4,136,247:84:0
2109	97	261	16:42:53.600	175EG176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,247:86:0
2110	97	261	16:42:53.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1519.05 +/-	2R5	4	1	4,136,247:86:1
2111	97	261	16:42:53.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1519.05 +/-	2R5	4	1	4,136,247:86:1
2112	97	261	16:42:56.933	117EG105A106A4A	7STRP	-0.043728,0.0,0,	Slew =,0.11	2R5	4	1	4,136,248:00:0
2113	**97**	**261**	**16:42:56.933**	**10JNSPOLEM06-**	**NIMPBK**	**301EC**	**JUPITER SOUTH POLE MAP PRT 6**	**2R5**	**4**	**1**	**: :**
2114	97	261	16:49:36.933	117EG105A106A4B	7STRP	0.049039,-0.0080	Slew =12.01	2R5	4	1	4,136,254:54:0
2115	97	261	16:49:50.266	117EG105A106A4C	7STRP	-0.043728,0.0,0,	Slew =,0.11	2R5	4	1	4,136,254:74:0
2116	**97**	**261**	**16:56:30.266**	**10JNSPOLEM06-**	**DESELC**	**300EC**	**JUPITER SOUTH POLE MAP PRT 6**	**2R5**	**4**	**1**	**: :**
2117	97	261	16:56:30.266	117EG11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,261:37:0
2118	97	261	16:56:32.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *1710.91 +/-	2R5	4	1	4,136,261:40:0
2119	97	261	16:56:32.266	175EG6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,261:40:0
2120	97	261	16:56:32.266	175EG422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,261:40:0
2121	97	261	16:56:33.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1710.97 +/-	2R5	4	1	4,136,261:41:8
2122	**97**	**261**	**16:57:09.933**	**10JNSPOLEM06-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2123	**97**	**261**	**16:59:11.267**	**10NNRELOAD04-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2124	**97**	**261**	**17:00:12.266**	**20EE6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,136,265:06:0**
2125	**97**	**261**	**17:01:12.933**	**20EE5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,136,266:06:0**
2126	97	261	17:01:22.266	488BE6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R5	4	1	4,136,266:20:0
2127	97	261	17:02:08.933	165IO4A	7SCAN	NORM,322.692997,	Check S/P Position	2R5	4	1	4,136,266:90:0
2128	**97**	**261**	**17:02:13.600**	**20EE5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,136,267:06:0**
2129	**97**	**261**	**17:03:14.266**	**20EE6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,136,268:06:0**
2130	**97**	**261**	**17:04:14.933**	**20EE6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,136,269:06:0**
2131	**97**	**261**	**17:05:15.600**	**20EE5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,136,270:06:0**
2132	97	261	17:06:02.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1710.97 +/-	260	4	0	4,136,270:77:0
2133	97	261	17:06:02.933	175IM422A6A	6DMSC	R115,3	DMS Control	260	4	0	4,136,270:77:0
2134	97	261	17:06:09.600		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1710.97 +/-	260	4	0	4,136,270:87:0
2135	97	261	17:06:10.933	165IO4B	7VECT		Inert vect update UTC	260	4	0	4,136,270:89:0
2136	97	261	17:06:12.933	175IM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	260	4	0	4,136,271:01:0
2137	97	261	17:06:13.600		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1717.27 +/-	260	4	0	4,136,271:02:0
2138	97	261	17:06:13.600		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1717.27 +/-	260	4	0	4,136,271:02:0
2139	**97**	**261**	**17:06:16.266**	**20EE5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,136,271:06:0**
2140	97	261	17:06:21.600		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1745.40 +/-	260	4	0	4,136,271:14:0
2141	97	261	17:06:21.600	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	4,136,271:14:0
2142	97	261	17:06:22.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1746.40 +/-	260	4	0	4,136,271:15:8
2143	97	261	17:06:33.600	175IN422A6A	6DMSC	R115,3	DMS Control	260	4	0	4,136,271:32:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	97	261	17:06:33.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1746.40 +/-	260	4	0	4,136,271:32:0	
2145	97	261	17:06:40.266		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1746.40 +/-	260	4	0	4,136,271:42:0	
2146	97	261	17:06:43.600	175IN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	260	4	0	4,136,271:47:0	
2147	97	261	17:06:44.266		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1752.70 +/-	260	4	0	4,136,271:48:0	
2148	97	261	17:06:44.266		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1752.70 +/-	260	4	0	4,136,271:48:0	
2149	97	261	17:06:52.266		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1780.82 +/-	260	4	0	4,136,271:60:0	
2150	97	261	17:06:52.266	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	260	4	0	4,136,271:60:0	
2151	97	261	17:06:53.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1781.82 +/-	260	4	0	4,136,271:61:8	
2152	97	261	17:07:03.600	175IO422A6A	6DMSC	R115,3	DMS Control	260	4	0	4,136,271:77:0	
2153	97	261	17:07:03.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1781.82 +/-	260	4	0	4,136,271:77:0	
2154	97	261	17:07:10.266		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1781.82 +/-	260	4	0	4,136,271:87:0	
2155	97	261	17:07:13.600	175IO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	260	4	0	4,136,272:01:0	
2156	97	261	17:07:14.266		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1788.12 +/-	260	4	0	4,136,272:02:0	
2157	97	261	17:07:14.266		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1788.12 +/-	260	4	0	4,136,272:02:0	
2158	**97**	**261**	**17:07:16.933**	**20EE4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,136,272:06:0**	
2159	97	261	17:07:22.266		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1816.25 +/-	2R0	4	0	4,136,272:14:0	
2160	97	261	17:07:22.266	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,136,272:14:0	
2161	97	261	17:07:23.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1817.25 +/-	2R0	4	0	4,136,272:15:8	
2162	97	261	17:07:34.266	175IP422A6A	6DMSC	R115,3	DMS Control	2R0	4	0	4,136,272:32:0	
2163	97	261	17:07:34.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1817.25 +/-	2R0	4	0	4,136,272:32:0	
2164	97	261	17:07:40.933		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1817.25 +/-	2R0	4	0	4,136,272:42:0	
2165	97	261	17:07:44.266	175IP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	4,136,272:47:0	
2166	97	261	17:07:44.933		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1823.55 +/-	2R0	4	0	4,136,272:48:0	
2167	97	261	17:07:44.933		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1823.55 +/-	2R0	4	0	4,136,272:48:0	
2168	97	261	17:07:52.933		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1851.67 +/-	2R0	4	0	4,136,272:60:0	
2169	97	261	17:07:52.933	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,136,272:60:0	
2170	97	261	17:07:54.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1852.67 +/-	2R0	4	0	4,136,272:61:8	
2171	97	261	17:08:04.266	175IQ422A6A	6DMSC	R115,3	DMS Control	2R0	4	0	4,136,272:77:0	
2172	97	261	17:08:04.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1852.67 +/-	2R0	4	0	4,136,272:77:0	
2173	97	261	17:08:10.933		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1852.67 +/-	2R0	4	0	4,136,272:87:0	
2174	97	261	17:08:14.266	175IQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	2R0	4	0	4,136,273:01:0	
2175	97	261	17:08:14.933		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1858.97 +/-	2R0	4	0	4,136,273:02:0	
2176	97	261	17:08:14.933		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1858.97 +/-	2R0	4	0	4,136,273:02:0	
2177	**97**	**261**	**17:08:17.600**	**20EE4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,273:06:0**	
2178	97	261	17:08:22.933		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1887.10 +/-	2R3	4	0	4,136,273:14:0	
2179	97	261	17:08:22.933	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,273:14:0	
2180	97	261	17:08:24.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1888.10 +/-	2R3	4	0	4,136,273:15:8	
2181	**97**	**261**	**17:09:17.933**	**10NNRELOAD04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
2182	**97**	**261**	**17:14:21.267**	**10JNNPOLEM05-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
2183	97	261	17:15:17.600	165EE4A	7SCAN	NORM,301.156998,	Check S/P Position	2R3	4	0	4,136,279:90:0	
2184	97	261	17:17:14.933	127EE	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,281:84:0	
2185	**97**	**261**	**17:17:14.933**	**127EE4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,281:84:0**	
2186	**97**	**261**	**17:17:15.600**	**127EE4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,281:85:0**	
2187	97	261	17:17:23.600	127EE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,282:06:0	
2188	97	261	17:18:08.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1888.10 +/-	2R5	4	1	4,136,282:74:0	
2189	97	261	17:18:08.933	175EE422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,282:74:0	
2190	97	261	17:18:10.933	117EE	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,282:77:0	
2191	97	261	17:18:15.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 1888.10 +/-	2R5	4	1	4,136,282:84:0	
2192	97	261	17:18:16.933	175EE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,282:86:0	
2193	97	261	17:18:17.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *1888.22 +/-	2R5	4	1	4,136,282:86:1	
2194	97	261	17:18:17.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 1888.22 +/-	2R5	4	1	4,136,282:86:1	
2195	**97**	**261**	**17:18:20.266**	**10JNNPOLEM05-**	**NIMPBK**	**301ED**	**JUPITER NORTH POLE MAP PRT 5**	**2R5**	**4**	**1**	**: :**	
2196	97	261	17:18:20.266	117EE105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,283:00:0	
2197	97	261	17:25:00.266	117EE105A106A4B	7STRP	0.049039,-0.0060	Slew =12.01	2R5	4	1	4,136,289:54:0	
2198	97	261	17:25:13.600	117EE105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,289:74:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	**97**	**261**	**17:31:53.600**	**10JNNPOLEM05-**	**DESELC**	**300ED**	**JUPITER NORTH POLE MAP PRT 5**	**2R5**	**4**	**1**	**: :**	
2200	97	261	17:31:53.600	117EE11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,296:37:0	
2201	97	261	17:31:55.600	175EE422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,296:40:0	
2202	97	261	17:31:55.600	175EE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,296:40:0	
2203	97	261	17:31:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2080.08 +/-	2R5	4	1	4,136,296:40:0	
2204	97	261	17:31:56.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2080.14 +/-	2R5	4	1	4,136,296:41:8	
2205	**97**	**261**	**17:32:33.267**	**10JNNPOLEM05-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2206	**97**	**261**	**17:53:47.267**	**10JNSPOLEM07-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2207	97	261	17:54:43.600	165EF4A	7SCAN	NORM,307.133999,	Check S/P Position	2R5	4	1	4,136,318:90:0	
2208	97	261	17:57:34.933	175EF422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,321:74:0	
2209	97	261	17:57:34.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2080.14 +/-	2R5	4	1	4,136,321:74:0	
2210	97	261	17:57:36.933	117EF	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,321:77:0	
2211	97	261	17:57:41.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2080.14 +/-	2R5	4	1	4,136,321:84:0	
2212	97	261	17:57:42.933	175EF176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,321:86:0	
2213	97	261	17:57:43.000		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2080.26 +/-	2R5	4	1	4,136,321:86:1	
2214	97	261	17:57:43.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2080.26 +/-	2R5	4	1	4,136,321:86:1	
2215	**97**	**261**	**17:57:46.266**	**10JNSPOLEM07-**	**NIMPBK**	**301EE**	**JUPITER SOUTH POLE MAP PRT 7**	**2R5**	**4**	**1**	**: :**	
2216	97	261	17:57:46.266	117EF105A106A4A	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,322:00:0	
2217	97	261	18:04:26.266	117EF105A106A4B	7STRP	0.054053,-0.0080	Slew =12.01	2R5	4	1	4,136,328:54:0	
2218	97	261	18:04:39.600	117EF105A106A4C	7STRP	-0.043828,0.0,0,	Slew =,0.11	2R5	4	1	4,136,328:74:0	
2219	97	261	18:07:09.600	488BE6B	6TMSED	FILL,EL4	Sci, Eng, and D/L Chan	2R5	4	1	4,136,331:26:0	
2220	**97**	**261**	**18:11:19.600**	**10JNSPOLEM07-**	**DESELC**	**300EE**	**JUPITER SOUTH POLE MAP PRT 7**	**2R5**	**4**	**1**	**: :**	
2221	97	261	18:11:19.600	117EF11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,335:37:0	
2222	97	261	18:11:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2272.12 +/-	2R5	4	1	4,136,335:40:0	
2223	97	261	18:11:21.600	175EF6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,335:40:0	
2224	97	261	18:11:21.600	175EF422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,335:40:0	
2225	97	261	18:11:22.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2272.18 +/-	2R5	4	1	4,136,335:41:8	
2226	**97**	**261**	**18:11:59.267**	**10JNSPOLEM07-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2227	**97**	**261**	**18:11:59.267**	**10JNRTHOTS02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
2228	**97**	**261**	**18:12:51.600**	**125KK4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,136,336:84:0**	
2229	97	261	18:12:51.600	125KK	NIMSINIT	GS	##### GROUP START INIT	4R5	4	1	4,136,336:84:0	
2230	97	261	18:13:52.266	125KK11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,136,337:84:0	
2231	**97**	**261**	**18:13:52.266**	**125KK4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R5**	**4**	**1**	**4,136,337:84:0**	
2232	97	261	18:13:56.266	165DI4A	7SCAN	NORM,305.466999,	Check S/P Position	4R5	4	1	4,136,337:90:0	
2233	97	261	18:14:52.933	127KK	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,136,338:84:0	
2234	**97**	**261**	**18:14:52.933**	**127KK4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,136,338:84:0**	
2235	**97**	**261**	**18:14:53.600**	**127KK4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,338:85:0**	
2236	97	261	18:15:01.600	127KK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,339:06:0	
2237	**97**	**261**	**18:17:18.933**	**432DU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,136,341:30:0**	
2238	97	261	18:17:50.266	117DI	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,341:77:0	
2239	97	261	18:17:59.600	117DI105A106A4A	7STRP	-0.00178,0.0,0,0	Slew =,0.03	4R3	4	0	4,136,342:00:0	
2240	**97**	**261**	**18:18:18.266**	**432DV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,136,342:28:0**	
2241	97	261	18:19:00.266	117DI11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,343:00:0	
2242	97	261	18:19:56.266	125KV	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,343:84:0	
2243	**97**	**261**	**18:19:56.266**	**125KV4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,136,343:84:0**	
2244	97	261	18:19:56.266	125KV11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,343:84:0	
2245	**97**	**261**	**18:21:05.267**	**10JNRTHOTS02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
2246	97	261	18:40:48.933	488BE6C	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,136,364:52:0	
2247	97	261	18:45:00.266	488BE6D	6TMSED	NORM,CL4	Sci, Eng, and D/L Chan	4R3	4	0	4,136,368:65:0	
2248	**97**	**261**	**18:45:12.933**	**125LZ4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,136,368:84:0**	
2249	97	261	18:45:12.933	125LZ	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,136,368:84:0	
2250	97	261	18:45:12.933	125LZ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,136,368:84:0	
2251	97	261	18:45:16.933	165EH4A	7SCAN	NORM,311.128998,	Check S/P Position	2R3	4	0	4,136,368:90:0	
2252	97	261	18:46:13.600	127FZ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,369:84:0	
2253	**97**	**261**	**18:46:14.266**	**127FZ4A**	**37ETB**	**0A,CA,16,07,FE,1**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,369:85:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	**97**	**261**	**18:46:21.933**	**10JNSPAURD02-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
2255	97	261	18:46:22.266	127FZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,370:06:0	
2256	97	261	18:47:07.600	175FZ422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,370:74:0	
2257	97	261	18:47:07.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2272.18 +/-	2R3	4	0	4,136,370:74:0	
2258	97	261	18:47:09.600	117EH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,370:77:0	
2259	97	261	18:47:14.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2272.18 +/-	2R3	4	0	4,136,370:84:0	
2260	97	261	18:47:15.600	175FZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,136,370:86:0	
2261	97	261	18:47:15.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2272.30 +/-	2R3	4	0	4,136,370:86:1	
2262	97	261	18:47:15.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2272.30 +/-	2R3	4	0	4,136,370:86:1	
2263	97	261	18:47:18.933	117EH105A106A4A	7STRP	-0.013651,0.0,0,	Slew =,0.02	2R3	4	0	4,136,371:00:0	
2264	97	261	18:58:43.600	117EH105A106A4B	7STRP	0.025005,-0.0120	Slew =12.01	2R3	4	0	4,136,382:26:0	
2265	97	261	18:59:00.933	117EH105A106A4C	7STRP	-0.013651,0.0,0,	Slew =,0.02	2R3	4	0	4,136,382:52:0	
2266	97	261	19:10:20.266	175FZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,393:70:0	
2267	97	261	19:10:20.266	175FZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,393:70:0	
2268	97	261	19:10:20.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2596.81 +/-	2R3	4	0	4,136,393:70:0	
2269	97	261	19:10:21.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2596.87 +/-	2R3	4	0	4,136,393:71:8	
2270	97	261	19:10:25.600	117EH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,393:78:0	
2271	**97**	**261**	**19:11:38.600**	**10JNSPAURD02-**		**-----STOP-------**		**2R3**	**4**	**0**	**:**	**:**
2272	97	261	19:16:37.600	165GH4A	7SCAN	NORM,347.498997,	Check S/P Position	2R3	4	0	4,136,399:90:0	
2273	97	261	19:19:30.933	117GH	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,402:77:0	
2274	97	261	19:19:40.266	176GH6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,136,403:00:0	
2275	97	261	19:19:40.266	117GH105A106A4A	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,403:00:0	
2276	97	261	19:22:19.600	117GH105A106A4B	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,405:57:0	
2277	97	261	19:22:25.600	117GH105A106A4C	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,405:66:0	
2278	97	261	19:25:04.933	117GH105A106A4D	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,408:32:0	
2279	97	261	19:25:10.933	117GH105A106A4E	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,408:41:0	
2280	97	261	19:27:50.266	117GH105A106A4F	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,411:07:0	
2281	97	261	19:27:56.266	117GH105A106A4G	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,411:16:0	
2282	97	261	19:30:35.600	117GH105A106A4H	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,413:73:0	
2283	97	261	19:30:41.600	117GH105A106A4I	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,413:82:0	
2284	97	261	19:33:20.933	117GH105A106A4J	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,416:48:0	
2285	97	261	19:33:26.933	117GH105A106A4K	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,416:57:0	
2286	97	261	19:33:34.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,416:68:0	
2287	97	261	19:33:34.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2596.87 +/-	2R3	4	0	4,136,416:68:0	
2288	97	261	19:33:40.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2596.87 +/-	2R3	4	0	4,136,416:78:0	
2289	97	261	19:33:42.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2596.99 +/-	2R3	4	0	4,136,416:80:1	
2290	97	261	19:34:02.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2601.66 +/-	2R3	4	0	4,136,417:19:0	
2291	97	261	19:34:24.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,417:53:0	
2292	97	261	19:34:24.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2606.98 +/-	2R3	4	0	4,136,417:53:0	
2293	97	261	19:34:26.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2607.04 +/-	2R3	4	0	4,136,417:54:8	
2294	97	261	19:36:06.266	117GH105A106A4L	7STRP	-0.0095,0.00148,	Slew =12.01	2R3	4	0	4,136,419:23:0	
2295	97	261	19:36:12.266	117GH105A106A4M	7STRP	0.0047,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,136,419:32:0	
2296	97	261	19:38:51.600	176GH6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,421:89:0	
2297	97	261	19:38:51.600	117GH11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,421:89:0	
2298	97	261	19:38:53.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2607.04 +/-	2R3	4	0	4,136,422:01:0	
2299	97	261	19:38:53.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,422:01:0	
2300	97	261	19:39:00.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2607.04 +/-	2R3	4	0	4,136,422:11:0	
2301	97	261	19:39:01.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2607.16 +/-	2R3	4	0	4,136,422:13:1	
2302	97	261	19:39:03.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2607.61 +/-	2R3	4	0	4,136,422:16:0	
2303	97	261	19:39:16.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,422:36:0	
2304	97	261	19:39:16.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2610.73 +/-	2R3	4	0	4,136,422:36:0	
2305	97	261	19:39:18.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2610.79 +/-	2R3	4	0	4,136,422:37:8	
2306	**97**	**261**	**19:41:58.600**	**10INCHEMIS03-**		**-----START------**		**2R3**	**4**	**0**	**:**	**:**
2307	97	261	19:42:54.933	165EI4A	7SCAN	NORM,350.082996,	Check S/P Position	2R3	4	0	4,136,425:90:0	
2308	97	261	19:45:52.933	127EI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,428:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2309	**97**	**261**	**19:45:53.600**	**127EI4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,428:85:0**
2310	97	261	19:46:01.600	127EI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,429:06:0
2311	97	261	19:46:44.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2610.79 +/-	2R3	4	0	4,136,429:71:0
2312	97	261	19:46:44.933	175EI422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	4,136,429:71:0
2313	97	261	19:46:48.933	117EI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,429:77:0
2314	97	261	19:46:51.600		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 2610.79 +/-	2R3	4	0	4,136,429:81:0
2315	97	261	19:46:54.933	175EI176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	4,136,429:86:0
2316	97	261	19:46:55.600		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *2612.29 +/-	2R3	4	0	4,136,429:87:0
2317	97	261	19:46:55.600		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 2612.29 +/-	2R3	4	0	4,136,429:87:0
2318	97	261	19:46:56.933	165EI4B	7VECT		Inert vect update UTC	2R3	4	0	4,136,429:89:0
2319	97	261	19:46:58.266	117EI105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	2R3	4	0	4,136,430:00:0
2320	97	261	19:51:57.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *2877.72 +/-	2R3	4	0	4,136,434:85:0
2321	97	261	19:51:57.600	175EI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,434:85:0
2322	97	261	19:51:58.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2878.02 +/-	2R3	4	0	4,136,434:86:8
2323	97	261	19:52:01.600	117EI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,435:00:0
2324	**97**	**261**	**19:53:07.267**	**10INCHEMIS03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2325	97	261	19:54:02.266	165CQ4A	7SCAN	NORM,254.275999,	Check S/P Position	2R3	4	0	4,136,436:90:0
2326	97	261	19:58:04.266	165CQ4B	7VECT		Inert vect update UTC	2R3	4	0	4,136,440:89:0
2327	97	261	20:47:37.600	165GJ4A	7SCAN	NORM,344.369999,	Check S/P Position	2R3	4	0	4,136,489:90:0
2328	97	261	20:51:40.933	176GJ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,136,494:00:0
2329	97	261	20:56:44.266	176GJ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,499:00:0
2330	97	261	20:56:46.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2878.02 +/-	2R3	4	0	4,136,499:03:0
2331	97	261	20:56:46.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,499:03:0
2332	97	261	20:56:52.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2878.02 +/-	2R3	4	0	4,136,499:13:0
2333	97	261	20:56:54.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2878.14 +/-	2R3	4	0	4,136,499:15:1
2334	97	261	20:56:56.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2878.60 +/-	2R3	4	0	4,136,499:18:0
2335	97	261	20:57:10.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,499:39:0
2336	97	261	20:57:10.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2881.88 +/-	2R3	4	0	4,136,499:39:0
2337	97	261	20:57:11.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2881.94 +/-	2R3	4	0	4,136,499:40:8
2338	**97**	**261**	**20:57:48.600**	**10NNHEALTH02-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2339	97	261	20:58:40.933	127KB	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,500:84:0
2340	**97**	**261**	**20:58:41.600**	**127KB4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,500:85:0**
2341	97	261	20:58:49.600	127KB11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,501:06:0
2342	**97**	**261**	**20:59:05.600**	**432DC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,136,501:30:0**
2343	**97**	**261**	**21:00:04.933**	**432DD6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,136,502:28:0**
2344	**97**	**261**	**21:02:51.933**	**10NNHEALTH02-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2345	97	261	21:20:59.600	165GK4A	7SCAN	NORM,321.956997,	Check S/P Position	2R3	4	0	4,136,522:90:0
2346	97	261	21:24:53.600	117GK	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,526:77:0
2347	97	261	21:25:02.933	117GK105A106A4A	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,527:00:0
2348	97	261	21:25:02.933	176GK6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,136,527:00:0
2349	97	261	21:25:54.933	117GK105A106A4B	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,527:78:0
2350	97	261	21:26:07.600	117GK105A106A4C	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,528:06:0
2351	97	261	21:26:59.600	117GK105A106A4D	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,528:84:0
2352	97	261	21:27:12.266	117GK105A106A4E	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,529:12:0
2353	97	261	21:28:04.266	117GK105A106A4F	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,529:90:0
2354	97	261	21:28:16.933	117GK105A106A4G	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,530:18:0
2355	97	261	21:29:08.933	117GK105A106A4H	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,531:05:0
2356	97	261	21:29:21.600	117GK105A106A4I	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,531:24:0
2357	97	261	21:30:13.600	117GK105A106A4J	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,532:11:0
2358	97	261	21:30:26.266	117GK105A106A4K	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,532:30:0
2359	97	261	21:31:18.266	117GK105A106A4L	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,533:17:0
2360	97	261	21:31:30.933	117GK105A106A4M	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,533:36:0
2361	97	261	21:32:22.933	117GK105A106A4N	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,534:23:0
2362	97	261	21:32:35.600	117GK105A106A4O	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,534:42:0
2363	97	261	21:33:27.600	117GK105A106A4P	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,535:29:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	97	261	21:33:40.266	117GK105A106A4Q	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,535:48:0	
2365	97	261	21:34:32.266	117GK105A106A4R	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,536:35:0	
2366	97	261	21:34:44.933	117GK105A106A4S	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,536:54:0	
2367	97	261	21:35:36.933	117GK105A106A4T	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,537:41:0	
2368	97	261	21:35:49.600	117GK105A106A4U	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,537:60:0	
2369	97	261	21:36:41.600	117GK105A106A4V	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,538:47:0	
2370	97	261	21:36:54.266	117GK105A106A4W	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,538:66:0	
2371	97	261	21:37:46.266	117GK105A106A4X	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,539:53:0	
2372	97	261	21:37:58.933	117GK105A106A4Y	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,539:72:0	
2373	97	261	21:38:50.933	117GK105A106A4Z	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,540:59:0	
2374	97	261	21:38:56.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,540:68:0	
2375	97	261	21:38:56.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2881.94 +/-	2R3	4	0	4,136,540:68:0	
2376	97	261	21:39:03.600	117GK105A106A4AA	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,540:78:0	
2377	97	261	21:39:03.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2881.94 +/-	2R3	4	0	4,136,540:78:0	
2378	97	261	21:39:05.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2882.06 +/-	2R3	4	0	4,136,540:80:1	
2379	97	261	21:39:24.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2886.73 +/-	2R3	4	0	4,136,541:19:0	
2380	97	261	21:39:47.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,541:53:0	
2381	97	261	21:39:47.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2892.04 +/-	2R3	4	0	4,136,541:53:0	
2382	97	261	21:39:48.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2892.10 +/-	2R3	4	0	4,136,541:54:8	
2383	97	261	21:39:55.600	117GK105A106A4AB	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,541:65:0	
2384	97	261	21:40:08.266	117GK105A106A4AC	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,541:84:0	
2385	97	261	21:41:00.266	117GK105A106A4AD	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,542:71:0	
2386	97	261	21:41:12.933	117GK105A106A4AE	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,542:90:0	
2387	97	261	21:42:04.933	117GK105A106A4AF	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,543:77:0	
2388	97	261	21:42:17.600	117GK105A106A4AG	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,544:05:0	
2389	97	261	21:43:09.600	117GK105A106A4AH	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,544:83:0	
2390	97	261	21:43:22.266	117GK105A106A4AI	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,545:11:0	
2391	97	261	21:44:14.266	117GK105A106A4AJ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,545:89:0	
2392	97	261	21:44:26.933	117GK105A106A4AK	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,546:17:0	
2393	97	261	21:45:18.933	117GK105A106A4AL	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,547:04:0	
2394	97	261	21:45:31.600	117GK105A106A4AM	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,547:23:0	
2395	97	261	21:46:23.600	117GK105A106A4AN	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,548:10:0	
2396	97	261	21:46:36.266	117GK105A106A4AO	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,548:29:0	
2397	97	261	21:47:28.266	117GK105A106A4AP	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,549:16:0	
2398	97	261	21:47:40.933	117GK105A106A4AQ	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,549:35:0	
2399	97	261	21:48:32.933	117GK105A106A4AR	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,550:22:0	
2400	97	261	21:48:45.600	117GK105A106A4AS	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,550:41:0	
2401	97	261	21:49:37.600	117GK105A106A4AT	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,551:28:0	
2402	97	261	21:49:50.266	117GK105A106A4AU	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,551:47:0	
2403	97	261	21:50:42.266	117GK105A106A4AV	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,552:34:0	
2404	97	261	21:50:54.933	117GK105A106A4AW	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,552:53:0	
2405	97	261	21:51:46.933	117GK105A106A4AX	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,553:40:0	
2406	97	261	21:51:59.600	117GK105A106A4AY	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,553:59:0	
2407	97	261	21:52:51.600	117GK105A106A4AZ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,554:46:0	
2408	97	261	21:53:04.266	117GK105A106A4BA	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,554:65:0	
2409	97	261	21:53:20.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2892.10 +/-	2R3	4	0	4,136,554:90:0	
2410	97	261	21:53:20.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,554:90:0	
2411	97	261	21:53:27.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2892.10 +/-	2R3	4	0	4,136,555:09:0	
2412	97	261	21:53:29.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2892.22 +/-	2R3	4	0	4,136,555:11:1	
2413	97	261	21:53:48.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2896.89 +/-	2R3	4	0	4,136,555:41:0	
2414	97	261	21:53:56.266	117GK105A106A4BB	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,555:52:0	
2415	97	261	21:54:08.933	117GK105A106A4BC	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,555:71:0	
2416	97	261	21:54:11.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2902.21 +/-	2R3	4	0	4,136,555:75:0	
2417	97	261	21:54:11.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,555:75:0	
2418	97	261	21:54:12.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2902.27 +/-	2R3	4	0	4,136,555:76:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	97	261	21:55:00.933	117GK105A106A4BD	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,556:58:0	
2420	97	261	21:55:13.600	117GK105A106A4BE	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,556:77:0	
2421	97	261	21:56:05.600	117GK105A106A4BF	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,557:64:0	
2422	97	261	21:56:18.266	117GK105A106A4BG	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,557:83:0	
2423	97	261	21:57:10.266	117GK105A106A4BH	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,558:70:0	
2424	97	261	21:57:22.933	117GK105A106A4BI	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,558:89:0	
2425	97	261	21:58:14.933	117GK105A106A4BJ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,559:76:0	
2426	97	261	21:58:27.600	117GK105A106A4BK	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,560:04:0	
2427	97	261	21:59:19.600	117GK105A106A4BL	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,560:82:0	
2428	97	261	21:59:32.266	117GK105A106A4BM	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,561:10:0	
2429	97	261	22:00:24.266	117GK105A106A4BN	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,561:88:0	
2430	97	261	22:00:36.933	117GK105A106A4BO	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,562:16:0	
2431	97	261	22:01:28.933	117GK105A106A4BP	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,563:03:0	
2432	97	261	22:01:41.600	117GK105A106A4BQ	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,563:22:0	
2433	97	261	22:02:33.600	117GK105A106A4BR	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,564:09:0	
2434	97	261	22:02:46.266	117GK105A106A4BS	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,564:28:0	
2435	97	261	22:03:38.266	117GK105A106A4BT	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,565:15:0	
2436	97	261	22:03:50.933	117GK105A106A4BU	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,565:34:0	
2437	97	261	22:04:42.933	117GK105A106A4BV	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,566:21:0	
2438	97	261	22:04:55.600	117GK105A106A4BW	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,566:40:0	
2439	97	261	22:05:47.600	117GK105A106A4BX	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,567:27:0	
2440	97	261	22:06:00.266	117GK105A106A4BY	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,567:46:0	
2441	97	261	22:06:52.266	117GK105A106A4BZ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,568:33:0	
2442	97	261	22:07:04.933	117GK105A106A4CA	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,568:52:0	
2443	97	261	22:07:45.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,569:22:0	
2444	97	261	22:07:45.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2902.27 +/-	2R3	4	0	4,136,569:22:0	
2445	97	261	22:07:52.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2902.27 +/-	2R3	4	0	4,136,569:32:0	
2446	97	261	22:07:53.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2902.39 +/-	2R3	4	0	4,136,569:34:1	
2447	97	261	22:07:56.933	117GK105A106A4CB	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,569:39:0	
2448	97	261	22:08:09.600	117GK105A106A4CC	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,569:58:0	
2449	97	261	22:08:13.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2907.06 +/-	2R3	4	0	4,136,569:64:0	
2450	97	261	22:08:36.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,570:07:0	
2451	97	261	22:08:36.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2912.37 +/-	2R3	4	0	4,136,570:07:0	
2452	97	261	22:08:37.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2912.43 +/-	2R3	4	0	4,136,570:08:8	
2453	97	261	22:09:01.600	117GK105A106A4CD	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,570:45:0	
2454	97	261	22:09:14.266	117GK105A106A4CE	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,570:64:0	
2455	97	261	22:10:06.266	117GK105A106A4CF	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,571:51:0	
2456	97	261	22:10:18.933	117GK105A106A4CG	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,571:70:0	
2457	97	261	22:11:10.933	117GK105A106A4CH	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,572:57:0	
2458	97	261	22:11:23.600	117GK105A106A4CI	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,572:76:0	
2459	97	261	22:12:15.600	117GK105A106A4CJ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,573:63:0	
2460	97	261	22:12:28.266	117GK105A106A4CK	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,573:82:0	
2461	97	261	22:13:20.266	117GK105A106A4CL	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,574:69:0	
2462	97	261	22:13:32.933	117GK105A106A4CM	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,574:88:0	
2463	97	261	22:14:24.933	117GK105A106A4CN	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,575:75:0	
2464	97	261	22:14:37.600	117GK105A106A4CO	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,576:03:0	
2465	97	261	22:15:29.600	117GK105A106A4CP	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,576:81:0	
2466	97	261	22:15:42.266	117GK105A106A4CQ	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,577:09:0	
2467	97	261	22:16:34.266	117GK105A106A4CR	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,577:87:0	
2468	97	261	22:16:46.933	117GK105A106A4CS	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,578:15:0	
2469	97	261	22:17:38.933	117GK105A106A4CT	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,579:02:0	
2470	97	261	22:17:51.600	117GK105A106A4CU	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,579:21:0	
2471	97	261	22:18:43.600	117GK105A106A4CV	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,580:08:0	
2472	97	261	22:18:56.266	117GK105A106A4CW	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,580:27:0	
2473	97	261	22:19:48.266	117GK105A106A4CX	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,581:14:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	97	261	22:20:00.933	117GK105A106A4CY	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,581:33:0	
2475	97	261	22:20:52.933	117GK105A106A4CZ	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,582:20:0	
2476	97	261	22:21:05.600	117GK105A106A4DA	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,582:39:0	
2477	97	261	22:21:57.600	117GK105A106A4DB	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,583:26:0	
2478	97	261	22:22:10.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2912.43 +/-	2R3	4	0	4,136,583:45:0	
2479	97	261	22:22:10.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,583:45:0	
2480	97	261	22:22:10.266	117GK105A106A4DC	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,583:45:0	
2481	97	261	22:22:16.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2912.43 +/-	2R3	4	0	4,136,583:55:0	
2482	97	261	22:22:18.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2912.55 +/-	2R3	4	0	4,136,583:57:1	
2483	97	261	22:22:38.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2917.22 +/-	2R3	4	0	4,136,583:87:0	
2484	97	261	22:23:00.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,584:30:0	
2485	97	261	22:23:00.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2922.54 +/-	2R3	4	0	4,136,584:30:0	
2486	97	261	22:23:02.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2922.60 +/-	2R3	4	0	4,136,584:31:8	
2487	97	261	22:23:02.266	117GK105A106A4DD	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,584:32:0	
2488	97	261	22:23:14.933	117GK105A106A4DE	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,584:51:0	
2489	97	261	22:24:06.933	117GK105A106A4DF	7STRP	-0.00435,-0.0091	Slew =12.01	2R3	4	0	4,136,585:38:0	
2490	97	261	22:24:19.600	117GK105A106A4DG	7STRP	0.0027,0.010026,	Slew =,1.86	2R3	4	0	4,136,585:57:0	
2491	97	261	22:25:11.600	117GK11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,586:44:0	
2492	97	261	22:27:44.266	176GK6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,589:00:0	
2493	97	261	22:27:46.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,589:03:0	
2494	97	261	22:27:46.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2922.60 +/-	2R3	4	0	4,136,589:03:0	
2495	97	261	22:27:52.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2922.60 +/-	2R3	4	0	4,136,589:13:0	
2496	97	261	22:27:54.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *2922.72 +/-	2R3	4	0	4,136,589:15:1	
2497	97	261	22:27:56.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2923.17 +/-	2R3	4	0	4,136,589:18:0	
2498	97	261	22:28:10.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,589:39:0	
2499	97	261	22:28:10.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2926.45 +/-	2R3	4	0	4,136,589:39:0	
2500	97	261	22:28:11.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2926.51 +/-	2R3	4	0	4,136,589:40:8	
2501	97	261	22:31:46.266	165IP4A	7SCAN	NORM,4.152,3.197	Check S/P Position	2R3	4	0	4,136,592:90:0	
2502	97	261	22:34:38.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2926.51 +/-	2R3	4	0	4,136,595:75:0	
2503	97	261	22:34:38.266	175TI422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,595:75:0	
2504	97	261	22:34:44.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2926.51 +/-	2R3	4	0	4,136,595:85:0	
2505	97	261	22:34:46.266	282ND431A6A	6RCSEL	DDSNCG,PLSSEL,EP	Record Select (DDS onl	2R3	4	0	4,136,595:87:0	
2506	97	261	22:34:46.266	175TI176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,136,595:87:0	
2507	97	261	22:34:46.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2926.63 +/-	2R3	4	0	4,136,595:87:1	
2508	97	261	22:34:46.333		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2926.63 +/-	2R3	4	0	4,136,595:87:1	
2509	97	261	22:34:48.933	431OA6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	2R3	4	0	4,136,596:00:0	
2510	97	261	22:35:18.266	428JP6A	6RCCLR			2R3	4	0	4,136,596:44:0	
2511	97	261	22:35:18.933	428JP6B	6RCSET	14		2R3	4	0	4,136,596:45:0	
2512	97	261	22:35:44.933	175IR422A6A	6DMSC	R806,3	DMS Control	2R3	4	0	4,136,596:84:0	
2513	97	261	22:35:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2940.36 +/-	2R3	4	0	4,136,596:84:0	
2514	97	261	22:35:46.133		DMS:	: *RUNUP	R806, TRACK 3, FWD, TIC *2940.42 +/-	2R3	4	0	4,136,596:85:8	
2515	97	261	22:35:48.266	165IP4B	7VECT		Inert vect update UTC	2R3	4	0	4,136,596:89:0	
2516	97	261	22:35:50.933	175IR176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,136,597:02:0	
2517	97	261	22:35:51.400		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 3006.42 +/-	2R3	4	0	4,136,597:02:7	
2518	97	261	22:35:51.400		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *3006.42 +/-	2R3	4	0	4,136,597:02:7	
2519	97	261	22:35:58.266		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *3175.41 +/-	2R3	4	0	4,136,597:13:0	
2520	97	261	22:35:58.266	175TJ422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,597:13:0	
2521	97	261	22:36:01.000		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *3186.91 +/-	2R3	4	0	4,136,597:17:1	
2522	97	261	22:36:02.266	175TJ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,136,597:19:0	
2523	97	261	22:36:02.400		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 3187.03 +/-	2R3	4	0	4,136,597:19:2	
2524	97	261	22:36:02.400		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *3187.03 +/-	2R3	4	0	4,136,597:19:2	
2525	97	261	22:43:19.600	428JM6A	6RCCLR			2R3	4	0	4,136,604:38:0	
2526	97	261	22:43:20.266	428JM6B	6RCSET	12		2R3	4	0	4,136,604:39:0	
2527	97	261	22:50:53.600	175PI422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	4,136,611:82:0	
2528	97	261	22:50:53.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3395.90 +/-	2R3	4	0	4,136,611:82:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2529	97	261	22:50:54.800		DMS:	: *RUNUP	R28, TRACK 3, FWD, TIC *3395.96 +/-	2R3	4	0	4,136,611:83:8
2530	97	261	22:50:58.800		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *3397.46 +/-	2R3	4	0	4,136,611:89:8
2531	97	261	22:50:58.800		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 3397.46 +/- 1	2R3	4	0	4,136,611:89:8
2532	97	261	22:50:58.933	175PI176A6A	6TMREC	MPP	28.8 KBPS PWS RECORD Record Mode Change	2R3	4	0	4,136,611:90:0
2533	97	261	22:58:33.600	428JN6A	6RCCLR			2R3	4	0	4,136,619:44:0
2534	97	261	22:58:34.266	428JN6B	6RCSET		8	2R3	4	0	4,136,619:45:0
2535	97	261	23:05:44.266		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4175.71 +/- 1	2R3	4	0	4,136,626:53:0
2536	97	261	23:05:44.266	175TK422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,626:53:0
2537	97	261	23:05:45.466		DMS:	: *RUNUP	R7, TRACK 3, FWD, TIC *4176.01 +/- 1	2R3	4	0	4,136,626:54:8
2538	97	261	23:05:46.866		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4176.13 +/- 1	2R3	4	0	4,136,626:56:9
2539	97	261	23:05:46.866		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4176.13 +/- 1	2R3	4	0	4,136,626:56:9
2540	97	261	23:05:46.933	175TK176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,136,626:57:0
2541	97	261	23:13:14.266	428JO6A	6RCCLR			2R3	4	0	4,136,634:00:0
2542	**97**	**261**	**23:18:21.266**	**10JNFEA02101-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2543	97	261	23:19:17.600	165EJ4A	7SCAN	NORM,333.956997,	Check S/P Position	2R3	4	0	4,136,639:90:0
2544	97	261	23:21:20.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4395.05 +/- 1	2R3	4	0	4,136,642:02:0
2545	97	261	23:21:20.933	175TK422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,642:02:0
2546	97	261	23:21:21.600	432OA431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,136,642:03:0
2547	97	261	23:21:22.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4395.11 +/- 1	2R3	4	0	4,136,642:03:8
2548	97	261	23:21:22.266	432OA6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,136,642:04:0
2549	97	261	23:21:25.600	282NE431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	4,136,642:09:0
2550	97	261	23:22:14.266	282NE432A431A6A	6RCDSL	DDSNCG,PLSDSL,EP	Record Deselect (DDS o	2R3	4	0	4,136,642:82:0
2551	97	261	23:22:14.933	282NE432A6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,136,642:83:0
2552	**97**	**261**	**23:22:15.600**	**127EJ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,642:84:0**
2553	97	261	23:22:15.600	127EJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,642:84:0
2554	**97**	**261**	**23:22:16.266**	**127EJ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,642:85:0**
2555	97	261	23:22:24.266	127EJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,643:06:0
2556	97	261	23:23:09.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4395.11 +/- 1	2R5	4	1	4,136,643:74:0
2557	97	261	23:23:09.600	175EJ422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,643:74:0
2558	97	261	23:23:11.600	117EJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,643:77:0
2559	97	261	23:23:16.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4395.11 +/- 1	2R5	4	1	4,136,643:84:0
2560	97	261	23:23:17.600	175EJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,643:86:0
2561	97	261	23:23:17.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4395.23 +/- 1	2R5	4	1	4,136,643:86:1
2562	97	261	23:23:17.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4395.23 +/- 1	2R5	4	1	4,136,643:86:1
2563	97	261	23:23:20.933	117EJ105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,136,644:00:0
2564	97	261	23:25:00.933	117EJ105A106A4B	7STRP	-0.013001,0.0080	Slew =12.01	2R5	4	1	4,136,645:59:0
2565	97	261	23:25:14.266	117EJ105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,136,645:79:0
2566	97	261	23:26:54.266	117EJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,647:47:0
2567	97	261	23:26:56.266	175EJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,647:50:0
2568	97	261	23:26:56.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4446.46 +/- 1	2R5	4	1	4,136,647:50:0
2569	97	261	23:26:56.266	175EJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,647:50:0
2570	97	261	23:26:57.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4446.52 +/- 1	2R5	4	1	4,136,647:51:8
2571	97	261	23:27:22.933	165GI4A	7SCAN	NORM,335.304996,	Check S/P Position	2R5	4	1	4,136,647:90:0
2572	**97**	**261**	**23:27:27.266**	**10JNFEA02101-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
2573	97	261	23:28:14.933	117GI	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,648:77:0
2574	97	261	23:28:24.266	176GI6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,136,649:00:0
2575	97	261	23:28:24.266	117GI105A106A4A	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,649:00:0
2576	97	261	23:31:07.600	117GI105A106A4B	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,651:63:0
2577	97	261	23:31:16.266	117GI105A106A4C	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,651:76:0
2578	97	261	23:33:59.600	117GI105A106A4D	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,654:48:0
2579	97	261	23:34:08.266	117GI105A106A4E	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,654:61:0
2580	97	261	23:36:51.600	117GI105A106A4F	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,657:33:0
2581	97	261	23:37:00.266	117GI105A106A4G	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,657:46:0
2582	97	261	23:39:43.600	117GI105A106A4H	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,660:18:0
2583	97	261	23:39:52.266	117GI105A106A4I	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,660:31:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2584	97	261	23:42:18.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4446.52 +/- 1	2R5	4	1	4,136,662:68:0
2585	97	261	23:42:18.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,662:68:0
2586	97	261	23:42:24.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4446.52 +/- 1	2R5	4	1	4,136,662:78:0
2587	97	261	23:42:26.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4446.64 +/- 1	2R5	4	1	4,136,662:80:1
2588	97	261	23:42:35.600	117GI105A106A4J	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,663:03:0
2589	97	261	23:42:44.266	117GI105A106A4K	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,663:16:0
2590	97	261	23:42:46.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4451.31 +/- 1	2R5	4	1	4,136,663:19:0
2591	97	261	23:43:08.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4456.63 +/- 1	2R5	4	1	4,136,663:53:0
2592	97	261	23:43:08.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,663:53:0
2593	97	261	23:43:10.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4456.69 +/- 1	2R5	4	1	4,136,663:54:8
2594	97	261	23:45:27.600	117GI105A106A4L	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,665:79:0
2595	97	261	23:45:36.266	117GI105A106A4M	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,666:01:0
2596	**97**	**261**	**23:45:39.266**	**10NNRELOAD05-**		**-----START------**		**2R5**	**4**	**1**	**: :**
2597	**97**	**261**	**23:46:40.266**	**20EF6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,136,667:06:0**
2598	**97**	**261**	**23:47:40.933**	**20EF5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,136,668:06:0**
2599	97	261	23:48:19.600	117GI105A106A4N	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,668:64:0
2600	97	261	23:48:28.266	117GI105A106A4O	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,668:77:0
2601	**97**	**261**	**23:48:41.600**	**20EF5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,136,669:06:0**
2602	**97**	**261**	**23:49:42.266**	**20EF6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,136,670:06:0**
2603	**97**	**261**	**23:50:42.933**	**20EF6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,136,671:06:0**
2604	97	261	23:51:11.600	117GI105A106A4P	7STRP	0.047035,0.00835	Slew =12.01	2R5	4	1	4,136,671:49:0
2605	97	261	23:51:20.266	117GI105A106A4Q	7STRP	-0.051044,-0.008	Slew =,0.32	2R5	4	1	4,136,671:62:0
2606	**97**	**261**	**23:51:43.600**	**20EF5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,136,672:06:0**
2607	**97**	**261**	**23:52:44.266**	**20EF5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,136,673:06:0**
2608	**97**	**261**	**23:53:44.933**	**20EF4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,136,674:06:0**
2609	97	261	23:54:03.600	117GI105A106A4R	7STRP	0.047035,0.00835	Slew =12.01	2R0	4	0	4,136,674:34:0
2610	97	261	23:54:12.266	117GI105A106A4S	7STRP	-0.051044,-0.008	Slew =,0.32	2R0	4	0	4,136,674:47:0
2611	**97**	**261**	**23:54:45.600**	**20EF4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,675:06:0**
2612	**97**	**261**	**23:55:45.933**	**10NNRELOAD05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
2613	97	261	23:56:42.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4456.69 +/- 1	2R3	4	0	4,136,676:90:0
2614	97	261	23:56:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,136,676:90:0
2615	97	261	23:56:48.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4456.69 +/- 1	2R3	4	0	4,136,677:09:0
2616	97	261	23:56:50.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4456.81 +/- 1	2R3	4	0	4,136,677:11:1
2617	97	261	23:56:55.600	117GI105A106A4T	7STRP	0.047035,0.00835	Slew =12.01	2R3	4	0	4,136,677:19:0
2618	97	261	23:57:04.266	117GI105A106A4U	7STRP	-0.051044,-0.008	Slew =,0.32	2R3	4	0	4,136,677:32:0
2619	97	261	23:57:10.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4461.48 +/- 1	2R3	4	0	4,136,677:41:0
2620	97	261	23:57:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4466.79 +/- 1	2R3	4	0	4,136,677:75:0
2621	97	261	23:57:32.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,677:75:0
2622	97	261	23:57:34.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4466.85 +/- 1	2R3	4	0	4,136,677:76:8
2623	97	261	23:59:47.600	117GI105A106A4V	7STRP	0.047035,0.00835	Slew =12.01	2R3	4	0	4,136,680:04:0
2624	97	261	23:59:56.266	117GI105A106A4W	7STRP	-0.051044,-0.008	Slew =,0.32	2R3	4	0	4,136,680:17:0
2625	**97**	**262**	**00:00:49.266**	**10SNSMETIS01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
2626	97	262	00:02:39.600	117GI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,682:80:0
2627	**97**	**262**	**00:02:42.266**	**125EK4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,136,682:84:0**
2628	97	262	00:02:42.266	125EK11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,682:84:0
2629	97	262	00:02:42.266	125EK	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,682:84:0
2630	97	262	00:02:46.933	176GI6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,136,683:00:0
2631	97	262	00:02:48.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4466.85 +/- 1	4R3	4	0	4,136,683:03:0
2632	97	262	00:02:48.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,683:03:0
2633	97	262	00:02:55.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4466.85 +/- 1	4R3	4	0	4,136,683:13:0
2634	97	262	00:02:57.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4466.97 +/- 1	4R3	4	0	4,136,683:15:1
2635	97	262	00:02:58.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4467.42 +/- 1	4R3	4	0	4,136,683:18:0
2636	97	262	00:03:12.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4470.70 +/- 1	4R3	4	0	4,136,683:39:0
2637	97	262	00:03:12.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,683:39:0
2638	97	262	00:03:14.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4470.76 +/- 1	4R3	4	0	4,136,683:40:8

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2639	97	262	00:03:42.933	127EK	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,136,683:84:0
2640	**97**	**262**	**00:03:43.600**	**127EK4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,683:85:0**
2641	97	262	00:03:46.933	165EK4A	7SCAN	NORM,330.948997,	Check S/P Position	4R3	4	0	4,136,683:90:0
2642	97	262	00:03:51.600	127EK11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,684:06:0
2643	97	262	00:04:34.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4470.76 +/- 1	4R3	4	0	4,136,684:71:0
2644	97	262	00:04:34.933	175EK422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,136,684:71:0
2645	97	262	00:04:38.933	117EK	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,684:77:0
2646	97	262	00:04:41.600		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 4470.76 +/- 1	4R3	4	0	4,136,684:81:0
2647	97	262	00:04:44.933	175EK176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,136,684:86:0
2648	97	262	00:04:45.600		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4472.26 +/- 1	4R3	4	0	4,136,684:87:0
2649	97	262	00:04:45.600		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4472.26 +/- 1	4R3	4	0	4,136,684:87:0
2650	97	262	00:04:46.933	165EK4B	7VECT		Inert vect update UTC	4R3	4	0	4,136,684:89:0
2651	97	262	00:04:48.266	117EK105A106A4A	7STRP	-0.0005,0.0,0,0,	Slew =,0.03	4R3	4	0	4,136,685:00:0
2652	**97**	**262**	**00:04:48.266**	**10SNSMETIS01-**	**NIMPBK**	**301EI**	**NIMS SMALL SATELLITE OBS. OF MET**	**4R3**	**4**	**0**	**: :**
2653	97	262	00:05:08.266	117EK11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,685:30:0
2654	**97**	**262**	**00:05:21.600**	**10SNSMETIS01-**	**DESELC**	**300EI**	**NIMS SMALL SATELLITE OBS. OF MET**	**4R3**	**4**	**0**	**: :**
2655	97	262	00:05:23.600	175EK422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,685:53:0
2656	97	262	00:05:23.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4505.66 +/- 1	4R3	4	0	4,136,685:53:0
2657	97	262	00:05:24.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4505.96 +/- 1	4R3	4	0	4,136,685:54:8
2658	**97**	**262**	**00:05:52.599**	**10SNSMETIS01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2659	97	262	00:06:48.933	165EL4A	7SCAN	NORM,328.977997,	Check S/P Position	4R3	4	0	4,136,686:90:0
2660	**97**	**262**	**00:06:53.266**	**10SNADRAST01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2661	97	262	00:10:38.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4505.96 +/- 1	4R3	4	0	4,136,690:71:0
2662	97	262	00:10:38.933	175EL422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,136,690:71:0
2663	97	262	00:10:42.933	117EL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,690:77:0
2664	97	262	00:10:45.600		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 4505.96 +/- 1	4R3	4	0	4,136,690:81:0
2665	97	262	00:10:48.933	175EL176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,136,690:86:0
2666	97	262	00:10:49.600		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4507.46 +/- 1	4R3	4	0	4,136,690:87:0
2667	97	262	00:10:49.600		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4507.46 +/- 1	4R3	4	0	4,136,690:87:0
2668	97	262	00:10:50.933	165EL4B	7VECT		Inert vect update UTC	4R3	4	0	4,136,690:89:0
2669	**97**	**262**	**00:10:52.266**	**10SNADRAST01-**	**NIMPBK**	**301EJ**	**OBSERVATION OF ADRASTEA**	**4R3**	**4**	**0**	**: :**
2670	97	262	00:10:52.266	117EL105A106A4A	7STRP	-0.0005,0.0,0,0,	Slew =,0.03	4R3	4	0	4,136,691:00:0
2671	97	262	00:11:12.266	117EL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,691:30:0
2672	**97**	**262**	**00:11:25.600**	**10SNADRAST01-**	**DESELC**	**300EJ**	**OBSERVATION OF ADRASTEA**	**4R3**	**4**	**0**	**: :**
2673	97	262	00:11:27.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4540.86 +/- 1	4R3	4	0	4,136,691:53:0
2674	97	262	00:11:27.600	175EL422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,691:53:0
2675	97	262	00:11:28.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4541.16 +/- 1	4R3	4	0	4,136,691:54:8
2676	**97**	**262**	**00:11:56.599**	**10SNADRAST01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2677	**97**	**262**	**00:19:01.266**	**10JNFEASUB01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2678	97	262	00:19:57.600	165EM4A	7SCAN	NORM,338.371998,	Check S/P Position	4R3	4	0	4,136,699:90:0
2679	**97**	**262**	**00:21:54.933**	**125EM4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,136,701:84:0**
2680	97	262	00:21:54.933	125EM11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,136,701:84:0
2681	97	262	00:21:54.933	125EM	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,136,701:84:0
2682	97	262	00:22:55.600	127EM	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,702:84:0
2683	**97**	**262**	**00:22:56.266**	**127EM4A**	**37ETB**		**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,702:85:0**
2684	97	262	00:23:04.266	127EM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,703:06:0
2685	97	262	00:23:49.600	175EM422A6A	6DMSC	R7,3	DMS Control	2R3	4	0	4,136,703:74:0
2686	97	262	00:23:49.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4541.16 +/- 1	2R3	4	0	4,136,703:74:0
2687	97	262	00:23:51.600	117EM	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,703:77:0
2688	97	262	00:23:56.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4541.16 +/- 1	2R3	4	0	4,136,703:84:0
2689	97	262	00:23:57.600	175EM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,136,703:86:0
2690	97	262	00:23:57.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4541.28 +/- 1	2R3	4	0	4,136,703:86:1
2691	97	262	00:23:57.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4541.28 +/- 1	2R3	4	0	4,136,703:86:1
2692	**97**	**262**	**00:24:00.933**	**10JNFEASUB01-**	**NIMPBK**	**301EK**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**
2693	97	262	00:24:00.933	117EM105A106A4A	7STRP	0.007,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,136,704:00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
2694	97	262	00:29:52.933	117EM105A106A4B	7STRP	-0.014001,0.0080	Slew =12.01	2R3	4	0	4,136,709:73:0
2695	97	262	00:30:08.933	117EM105A106A4C	7STRP	0.007,0.0,0,0,0,	Slew =,0.02	2R3	4	0	4,136,710:06:0
2696	97	262	00:36:00.933	117EM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,715:79:0
2697	**97**	**262**	**00:36:00.933**	**10JNFEASUB01-**	**DESELC**	**300EK**	**JUPITER CAMPAIGN FEATURE SUB-SPE**	**2R3**	**4**	**0**	**: :**
2698	97	262	00:36:02.933	175EM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,136,715:82:0
2699	97	262	00:36:02.933	175EM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,715:82:0
2700	97	262	00:36:02.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4711.27 +/- 1	2R3	4	0	4,136,715:82:0
2701	97	262	00:36:04.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4711.33 +/- 1	2R3	4	0	4,136,715:83:8
2702	97	262	00:36:04.266	125KL	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,136,715:84:0
2703	**97**	**262**	**00:36:04.266**	**125KL4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,136,715:84:0**
2704	**97**	**262**	**00:36:12.599**	**10JNRTHOTS03-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2705	**97**	**262**	**00:36:12.599**	**10JNFEASUB01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2706	97	262	00:37:04.933	125KL11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,716:84:0
2707	**97**	**262**	**00:37:04.933**	**125KL4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,136,716:84:0**
2708	97	262	00:37:08.933	165EY4A	7SCAN	NORM,341.141998,	Check S/P Position	4R3	4	0	4,136,716:90:0
2709	97	262	00:38:05.600	127KL	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,136,717:84:0
2710	**97**	**262**	**00:38:06.266**	**127KL4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,717:85:0**
2711	97	262	00:38:14.266	127KL11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,718:06:0
2712	**97**	**262**	**00:40:31.600**	**432DW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,136,720:30:0**
2713	97	262	00:41:02.933	117EY	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,720:77:0
2714	97	262	00:41:12.266	117EY105A106A4A	7STRP	-0.00178,0.0,0,0	Slew =,0.03	4R3	4	0	4,136,721:00:0
2715	**97**	**262**	**00:41:30.933**	**432DX6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,136,721:28:0**
2716	97	262	00:42:12.933	117EY11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,722:00:0
2717	**97**	**262**	**00:43:08.933**	**125KU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,136,722:84:0**
2718	97	262	00:43:08.933	125KU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,722:84:0
2719	97	262	00:43:08.933	125KU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,722:84:0
2720	**97**	**262**	**00:44:17.933**	**10JNRTHOTS03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2721	97	262	00:50:42.266	488BF6A	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R3	4	0	4,136,730:36:0
2722	**97**	**262**	**00:52:23.267**	**10INTHRMAL02-**		**-----START------**		**4R3**	**4**	**0**	**: :**
2723	97	262	00:53:19.600	165EO4A	7SCAN	NORM,13.822,7.58	Check S/P Position	4R3	4	0	4,136,732:90:0
2724	97	262	00:55:16.933	127EO	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,136,734:84:0
2725	**97**	**262**	**00:55:17.600**	**127EO4A**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,136,734:85:0**
2726	97	262	00:55:25.600	127EO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,136,735:06:0
2727	97	262	00:56:08.933	175EO422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,136,735:71:0
2728	97	262	00:56:08.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4711.33 +/- 1	4R3	4	0	4,136,735:71:0
2729	97	262	00:56:12.933	117EO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,735:77:0
2730	97	262	00:56:15.600		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 4711.33 +/- 1	4R3	4	0	4,136,735:81:0
2731	97	262	00:56:18.933	175EO176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,136,735:86:0
2732	97	262	00:56:19.600		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 4712.83 +/- 1	4R3	4	0	4,136,735:87:0
2733	97	262	00:56:19.600		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *4712.83 +/- 1	4R3	4	0	4,136,735:87:0
2734	97	262	00:56:20.933	165EO4B	7VECT		Inert vect update UTC	4R3	4	0	4,136,735:89:0
2735	97	262	00:56:22.266	117EO105A106A4A	7STRP	0.0048,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,136,736:00:0
2736	**97**	**262**	**00:56:22.266**	**10INTHRMAL02-**	**NIMPBK**	**301EL**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**
2737	97	262	00:59:12.933	117EO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,738:74:0
2738	97	262	01:00:15.600	175EO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,739:77:0
2739	97	262	01:00:15.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *4920.25 +/- 1	4R3	4	0	4,136,739:77:0
2740	97	262	01:00:16.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4920.55 +/- 1	4R3	4	0	4,136,739:78:8
2741	**97**	**262**	**01:00:24.600**	**10INTHRMAL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
2742	97	262	01:02:25.600	165GL4A	7SCAN	NORM,339.929996,	Check S/P Position	4R3	4	0	4,136,741:90:0
2743	97	262	01:06:19.600	117GL	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,745:77:0
2744	97	262	01:06:28.933	176GL6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	4R3	4	0	4,136,746:00:0
2745	**97**	**262**	**01:06:28.933**	**10INTHRMAL02-**	**DESELC**	**300EL**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**
2746	97	262	01:06:28.933	117GL105A106A4A	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,746:00:0
2747	97	262	01:09:30.933	117GL105A106A4B	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,749:00:0
2748	97	262	01:09:40.933	117GL105A106A4C	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,749:15:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2749	97	262	01:12:42.933	117GL105A106A4D	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,752:15:0	
2750	97	262	01:12:52.933	117GL105A106A4E	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,752:30:0	
2751	97	262	01:15:54.933	117GL105A106A4F	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,755:30:0	
2752	97	262	01:16:04.933	117GL105A106A4G	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,755:45:0	
2753	97	262	01:19:06.933	117GL105A106A4H	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,758:45:0	
2754	97	262	01:19:16.933	117GL105A106A4I	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,758:60:0	
2755	97	262	01:20:22.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4920.55 +/- 1	4R3	4	0	4,136,759:68:0	
2756	97	262	01:20:22.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,759:68:0	
2757	97	262	01:20:29.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4920.55 +/- 1	4R3	4	0	4,136,759:78:0	
2758	97	262	01:20:31.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4920.67 +/- 1	4R3	4	0	4,136,759:80:1	
2759	97	262	01:20:50.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4925.34 +/- 1	4R3	4	0	4,136,760:19:0	
2760	97	262	01:21:13.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,760:53:0	
2761	97	262	01:21:13.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4930.65 +/- 1	4R3	4	0	4,136,760:53:0	
2762	97	262	01:21:14.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4930.71 +/- 1	4R3	4	0	4,136,760:54:8	
2763	97	262	01:22:18.933	117GL105A106A4J	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,761:60:0	
2764	97	262	01:22:28.933	117GL105A106A4K	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,761:75:0	
2765	97	262	01:24:57.600	488BF6B	6TMSED	FILL,CL5	Sci, Eng, and D/L Chan	4R3	4	0	4,136,764:25:0	
2766	97	262	01:25:30.933	117GL105A106A4L	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,764:75:0	
2767	97	262	01:25:40.933	117GL105A106A4M	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,764:90:0	
2768	97	262	01:28:42.933	117GL105A106A4N	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,767:90:0	
2769	97	262	01:28:52.933	117GL105A106A4O	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,768:14:0	
2770	97	262	01:31:54.933	117GL105A106A4P	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,771:14:0	
2771	97	262	01:32:04.933	117GL105A106A4Q	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,771:29:0	
2772	97	262	01:34:46.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4930.71 +/- 1	4R3	4	0	4,136,773:90:0	
2773	97	262	01:34:46.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,773:90:0	
2774	97	262	01:34:53.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4930.71 +/- 1	4R3	4	0	4,136,774:09:0	
2775	97	262	01:34:55.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4930.83 +/- 1	4R3	4	0	4,136,774:11:1	
2776	97	262	01:35:06.933	117GL105A106A4R	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,774:29:0	
2777	97	262	01:35:14.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4935.50 +/- 1	4R3	4	0	4,136,774:41:0	
2778	97	262	01:35:16.933	117GL105A106A4S	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,774:44:0	
2779	97	262	01:35:37.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,774:75:0	
2780	97	262	01:35:37.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4940.82 +/- 1	4R3	4	0	4,136,774:75:0	
2781	97	262	01:35:38.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4940.88 +/- 1	4R3	4	0	4,136,774:76:8	
2782	97	262	01:38:18.933	117GL105A106A4T	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,777:44:0	
2783	97	262	01:38:28.933	117GL105A106A4U	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,777:59:0	
2784	97	262	01:41:30.933	117GL105A106A4V	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,780:59:0	
2785	97	262	01:41:40.933	117GL105A106A4W	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,780:74:0	
2786	97	262	01:44:42.933	117GL105A106A4X	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,783:74:0	
2787	97	262	01:44:52.933	117GL105A106A4Y	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,783:89:0	
2788	97	262	01:47:54.933	117GL105A106A4Z	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,786:89:0	
2789	97	262	01:48:04.933	117GL105A106A4AA	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,787:13:0	
2790	97	262	01:49:11.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,788:22:0	
2791	97	262	01:49:11.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4940.88 +/- 1	4R3	4	0	4,136,788:22:0	
2792	97	262	01:49:18.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4940.88 +/- 1	4R3	4	0	4,136,788:32:0	
2793	97	262	01:49:19.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4941.00 +/- 1	4R3	4	0	4,136,788:34:1	
2794	97	262	01:49:39.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4945.67 +/- 1	4R3	4	0	4,136,788:64:0	
2795	97	262	01:50:02.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4950.98 +/- 1	4R3	4	0	4,136,789:07:0	
2796	97	262	01:50:02.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,789:07:0	
2797	97	262	01:50:03.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4951.04 +/- 1	4R3	4	0	4,136,789:08:8	
2798	97	262	01:51:06.933	117GL105A106A4AB	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,790:13:0	
2799	97	262	01:51:16.933	117GL105A106A4AC	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,790:28:0	
2800	97	262	01:54:04.266	488BF6C	6TMSED	NORM,CL5	Sci, Eng, and D/L Chan	4R3	4	0	4,136,793:06:0	
2801	97	262	01:54:18.933	117GL105A106A4AD	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,793:28:0	
2802	97	262	01:54:28.933	117GL105A106A4AE	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,793:43:0	
2803	97	262	01:57:30.933	117GL105A106A4AF	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,796:43:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2804	97	262	01:57:40.933	117GL105A106A4AG	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,796:58:0	
2805	97	262	02:00:42.933	117GL105A106A4AH	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,799:58:0	
2806	97	262	02:00:52.933	117GL105A106A4AI	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,799:73:0	
2807	97	262	02:03:36.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4951.04 +/- 1	4R3	4	0	4,136,802:45:0	
2808	97	262	02:03:36.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,802:45:0	
2809	97	262	02:03:42.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4951.04 +/- 1	4R3	4	0	4,136,802:55:0	
2810	97	262	02:03:44.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4951.16 +/- 1	4R3	4	0	4,136,802:57:1	
2811	97	262	02:03:54.933	117GL105A106A4AJ	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,802:73:0	
2812	97	262	02:04:04.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4955.83 +/- 1	4R3	4	0	4,136,802:87:0	
2813	97	262	02:04:04.933	117GL105A106A4AK	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,802:88:0	
2814	97	262	02:04:26.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,803:30:0	
2815	97	262	02:04:26.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4961.14 +/- 1	4R3	4	0	4,136,803:30:0	
2816	97	262	02:04:28.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4961.20 +/- 1	4R3	4	0	4,136,803:31:8	
2817	97	262	02:07:06.933	117GL105A106A4AL	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,805:88:0	
2818	97	262	02:07:16.933	117GL105A106A4AM	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,806:12:0	
2819	97	262	02:10:18.933	117GL105A106A4AN	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,809:12:0	
2820	97	262	02:10:28.933	117GL105A106A4AO	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,809:27:0	
2821	97	262	02:13:30.933	117GL105A106A4AP	7STRP	0.052047,0.0023,	Slew =12.01	4R3	4	0	4,136,812:27:0	
2822	97	262	02:13:40.933	117GL105A106A4AQ	7STRP	-0.055056,0.0,0,	Slew =,0.31	4R3	4	0	4,136,812:42:0	
2823	97	262	02:15:00.266	488BF6D	6TMSED	NORM,GL5	Sci, Eng, and D/L Chan	4R3	4	0	4,136,813:70:0	
2824	97	262	02:16:40.266	176GL6B	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,136,815:38:0	
2825	97	262	02:16:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,136,815:41:0	
2826	97	262	02:16:42.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4961.20 +/- 1	4R3	4	0	4,136,815:41:0	
2827	97	262	02:16:42.933	117GL11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,815:42:0	
2828	97	262	02:16:48.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4961.20 +/- 1	4R3	4	0	4,136,815:51:0	
2829	97	262	02:16:50.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *4961.32 +/- 1	4R3	4	0	4,136,815:53:1	
2830	97	262	02:16:52.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4961.78 +/- 1	4R3	4	0	4,136,815:56:0	
2831	97	262	02:17:12.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *4966.62 +/- 1	4R3	4	0	4,136,815:87:0	
2832	97	262	02:17:12.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,815:87:0	
2833	97	262	02:17:14.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4966.68 +/- 1	4R3	4	0	4,136,815:88:8	
2834	**97**	**262**	**02:17:19.266**	**10JNFEA02102-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
2835	97	262	02:18:15.600	165EP4A	7SCAN	NORM,346.367996,	Check S/P Position	4R3	4	0	4,136,816:90:0	
2836	97	262	02:20:12.933	125EP11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,136,818:84:0	
2837	97	262	02:20:12.933	125EP	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,818:84:0	
2838	**97**	**262**	**02:20:12.933**	**125EP4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,136,818:84:0**	
2839	**97**	**262**	**02:21:13.600**	**127EP4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,136,819:84:0**	
2840	97	262	02:21:13.600	127EP	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,136,819:84:0	
2841	**97**	**262**	**02:21:14.266**	**127EP4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,136,819:85:0**	
2842	97	262	02:21:22.266	127EP11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,136,820:06:0	
2843	97	262	02:22:07.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4966.68 +/- 1	2R5	4	1	4,136,820:74:0	
2844	97	262	02:22:07.600	175EP422A6A	6DMSC	R7,3	DMS Control	2R5	4	1	4,136,820:74:0	
2845	97	262	02:22:09.600	117EP	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,820:77:0	
2846	97	262	02:22:14.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 4966.68 +/- 1	2R5	4	1	4,136,820:84:0	
2847	97	262	02:22:15.600	175EP176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,136,820:86:0	
2848	97	262	02:22:15.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 4966.80 +/- 1	2R5	4	1	4,136,820:86:1	
2849	97	262	02:22:15.666		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *4966.80 +/- 1	2R5	4	1	4,136,820:86:1	
2850	97	262	02:22:18.933	117EP105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,136,821:00:0	
2851	**97**	**262**	**02:22:18.933**	**10JNFEA02102-**	**NIMPBK**	**301EM**	**JUPITER FEATURE TRACK 21 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2852	97	262	02:23:58.933	117EP105A106A4B	7STRP	-0.013201,0.0080	Slew =12.01	2R5	4	1	4,136,822:59:0	
2853	97	262	02:24:12.266	117EP105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,136,822:79:0	
2854	97	262	02:25:52.266	117EP11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,824:47:0	
2855	97	262	02:25:54.266	175EP6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,824:50:0	
2856	97	262	02:25:54.266	175EP422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,824:50:0	
2857	97	262	02:25:54.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5018.04 +/- 1	2R5	4	1	4,136,824:50:0	
2858	97	262	02:25:55.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5018.10 +/- 1	2R5	4	1	4,136,824:51:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2859	97	262	02:26:20.933	165GM4A	7SCAN	NORM,349.766998,	Check S/P Position	2R5	4	1	4,136,824:90:0	
2860	**97**	**262**	**02:26:25.266**	**10JNFEA02102-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
2861	97	262	02:30:14.933	117GM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,828:77:0	
2862	97	262	02:30:24.266	117GM105A106A4A	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,829:00:0	
2863	**97**	**262**	**02:30:24.266**	**10JNFEA02102-**	**DESELC**	**300EM**	**JUPITER FEATURE TRACK 21 DEG PHA**	**2R5**	**4**	**1**	**: :**	
2864	97	262	02:30:24.266	176GM6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,136,829:00:0	
2865	97	262	02:31:00.933	117GM105A106A4B	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,829:55:0	
2866	97	262	02:31:11.600	117GM105A106A4C	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,829:71:0	
2867	97	262	02:31:48.266	117GM105A106A4D	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,830:35:0	
2868	97	262	02:31:58.933	117GM105A106A4E	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,830:51:0	
2869	97	262	02:32:35.600	117GM105A106A4F	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,831:15:0	
2870	97	262	02:32:46.266	117GM105A106A4G	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,831:31:0	
2871	97	262	02:33:22.933	117GM105A106A4H	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,831:86:0	
2872	97	262	02:33:33.600	117GM105A106A4I	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,832:11:0	
2873	97	262	02:34:10.266	117GM105A106A4J	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,832:66:0	
2874	97	262	02:34:20.933	117GM105A106A4K	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,832:82:0	
2875	97	262	02:34:57.600	117GM105A106A4L	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,833:46:0	
2876	97	262	02:35:08.266	117GM105A106A4M	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,833:62:0	
2877	97	262	02:35:44.933	117GM105A106A4N	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,834:26:0	
2878	97	262	02:35:55.600	117GM105A106A4O	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,834:42:0	
2879	97	262	02:36:32.266	117GM105A106A4P	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,835:06:0	
2880	97	262	02:36:42.933	117GM105A106A4Q	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,835:22:0	
2881	97	262	02:37:19.600	117GM105A106A4R	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,835:77:0	
2882	97	262	02:37:30.266	117GM105A106A4S	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,836:02:0	
2883	97	262	02:38:06.933	117GM105A106A4T	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,836:57:0	
2884	97	262	02:38:17.600	117GM105A106A4U	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,836:73:0	
2885	97	262	02:38:54.266	117GM105A106A4V	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,837:37:0	
2886	97	262	02:39:04.933	117GM105A106A4W	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,837:53:0	
2887	97	262	02:39:41.600	117GM105A106A4X	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,838:17:0	
2888	97	262	02:39:52.266	117GM105A106A4Y	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,838:33:0	
2889	97	262	02:40:28.933	117GM105A106A4Z	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,838:88:0	
2890	97	262	02:40:39.600	117GM105A106A4AA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,839:13:0	
2891	97	262	02:41:16.266	117GM105A106A4AB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,839:68:0	
2892	97	262	02:41:26.933	117GM105A106A4AC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,839:84:0	
2893	97	262	02:42:03.600	117GM105A106A4AD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,840:48:0	
2894	97	262	02:42:14.266	117GM105A106A4AE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,840:64:0	
2895	97	262	02:42:50.933	117GM105A106A4AF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,841:28:0	
2896	97	262	02:43:01.600	117GM105A106A4AG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,841:44:0	
2897	97	262	02:43:38.266	117GM105A106A4AH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,842:08:0	
2898	97	262	02:43:48.933	117GM105A106A4AI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,842:24:0	
2899	97	262	02:44:18.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5018.10 +/- 1	2R5	4	1	4,136,842:68:0	
2900	97	262	02:44:18.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,842:68:0	
2901	97	262	02:44:24.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5018.10 +/- 1	2R5	4	1	4,136,842:78:0	
2902	97	262	02:44:25.600	117GM105A106A4AJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,842:79:0	
2903	97	262	02:44:26.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5018.22 +/- 1	2R5	4	1	4,136,842:80:1	
2904	97	262	02:44:36.266	117GM105A106A4AK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,843:04:0	
2905	97	262	02:44:46.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5022.89 +/- 1	2R5	4	1	4,136,843:19:0	
2906	97	262	02:45:08.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5028.20 +/- 1	2R5	4	1	4,136,843:53:0	
2907	97	262	02:45:08.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,843:53:0	
2908	97	262	02:45:10.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5028.26 +/- 1	2R5	4	1	4,136,843:54:8	
2909	97	262	02:45:12.933	117GM105A106A4AL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,843:59:0	
2910	97	262	02:45:23.600	117GM105A106A4AM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,843:75:0	
2911	97	262	02:46:00.266	117GM105A106A4AN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,844:39:0	
2912	97	262	02:46:10.933	117GM105A106A4AO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,844:55:0	
2913	97	262	02:46:47.600	117GM105A106A4AP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,845:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2914	97	262	02:46:58.266	117GM105A106A4AQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,845:35:0	
2915	97	262	02:47:34.933	117GM105A106A4AR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,845:90:0	
2916	97	262	02:47:45.600	117GM105A106A4AS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,846:15:0	
2917	97	262	02:48:22.266	117GM105A106A4AT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,846:70:0	
2918	97	262	02:48:32.933	117GM105A106A4AU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,846:86:0	
2919	97	262	02:49:09.600	117GM105A106A4AV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,847:50:0	
2920	97	262	02:49:20.266	117GM105A106A4AW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,847:66:0	
2921	97	262	02:49:56.933	117GM105A106A4AX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,848:30:0	
2922	97	262	02:50:07.600	117GM105A106A4AY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,848:46:0	
2923	97	262	02:50:44.266	117GM105A106A4AZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,849:10:0	
2924	97	262	02:50:54.933	117GM105A106A4BA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,849:26:0	
2925	97	262	02:51:31.600	117GM105A106A4BB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,849:81:0	
2926	97	262	02:51:42.266	117GM105A106A4BC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,850:06:0	
2927	97	262	02:52:18.933	117GM105A106A4BD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,850:61:0	
2928	97	262	02:52:29.600	117GM105A106A4BE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,850:77:0	
2929	97	262	02:53:06.266	117GM105A106A4BF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,851:41:0	
2930	97	262	02:53:16.933	117GM105A106A4BG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,851:57:0	
2931	97	262	02:53:53.600	117GM105A106A4BH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,852:21:0	
2932	97	262	02:54:04.266	117GM105A106A4BI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,852:37:0	
2933	97	262	02:54:40.933	117GM105A106A4BJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,853:01:0	
2934	97	262	02:54:51.600	117GM105A106A4BK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,853:17:0	
2935	97	262	02:55:28.266	117GM105A106A4BL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,853:72:0	
2936	97	262	02:55:38.933	117GM105A106A4BM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,853:88:0	
2937	97	262	02:56:15.600	117GM105A106A4BN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,854:52:0	
2938	97	262	02:56:26.266	117GM105A106A4BO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,854:68:0	
2939	97	262	02:57:02.933	117GM105A106A4BP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,855:32:0	
2940	97	262	02:57:13.600	117GM105A106A4BQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,855:48:0	
2941	97	262	02:57:50.266	117GM105A106A4BR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,856:12:0	
2942	97	262	02:58:00.933	117GM105A106A4BS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,856:28:0	
2943	97	262	02:58:37.600	117GM105A106A4BT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,856:83:0	
2944	97	262	02:58:42.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5028.26 +/- 1	2R5	4	1	4,136,856:90:0	
2945	97	262	02:58:42.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,856:90:0	
2946	97	262	02:58:48.266	117GM105A106A4BU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,857:08:0	
2947	97	262	02:58:48.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5028.26 +/- 1	2R5	4	1	4,136,857:09:0	
2948	97	262	02:58:50.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5028.38 +/- 1	2R5	4	1	4,136,857:11:1	
2949	97	262	02:59:10.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5033.05 +/- 1	2R5	4	1	4,136,857:41:0	
2950	97	262	02:59:24.933	117GM105A106A4BV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,857:63:0	
2951	97	262	02:59:32.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,857:75:0	
2952	97	262	02:59:32.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5038.36 +/- 1	2R5	4	1	4,136,857:75:0	
2953	97	262	02:59:34.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5038.42 +/- 1	2R5	4	1	4,136,857:76:8	
2954	97	262	02:59:35.600	117GM105A106A4BW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,857:79:0	
2955	97	262	03:00:12.266	117GM105A106A4BX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,858:43:0	
2956	97	262	03:00:22.933	117GM105A106A4BY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,858:59:0	
2957	97	262	03:00:59.600	117GM105A106A4BZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,859:23:0	
2958	97	262	03:01:10.266	117GM105A106A4CA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,859:39:0	
2959	97	262	03:01:46.933	117GM105A106A4CB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,860:03:0	
2960	97	262	03:01:57.600	117GM105A106A4CC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,860:19:0	
2961	97	262	03:02:34.266	117GM105A106A4CD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,860:74:0	
2962	97	262	03:02:44.933	117GM105A106A4CE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,860:90:0	
2963	97	262	03:03:21.600	117GM105A106A4CF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,861:54:0	
2964	97	262	03:03:32.266	117GM105A106A4CG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,861:70:0	
2965	97	262	03:04:08.933	117GM105A106A4CH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,862:34:0	
2966	97	262	03:04:19.600	117GM105A106A4CI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,862:50:0	
2967	97	262	03:04:56.266	117GM105A106A4CJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,863:14:0	
2968	97	262	03:05:06.933	117GM105A106A4CK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,863:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2969	97	262	03:05:43.600	117GM105A106A4CL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,863:85:0	
2970	97	262	03:05:54.266	117GM105A106A4CM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,864:10:0	
2971	97	262	03:06:30.933	117GM105A106A4CN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,864:65:0	
2972	97	262	03:06:41.600	117GM105A106A4CO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,864:81:0	
2973	97	262	03:07:18.266	117GM105A106A4CP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,865:45:0	
2974	97	262	03:07:28.933	117GM105A106A4CQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,865:61:0	
2975	97	262	03:08:05.600	117GM105A106A4CR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,866:25:0	
2976	97	262	03:08:16.266	117GM105A106A4CS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,866:41:0	
2977	97	262	03:08:52.933	117GM105A106A4CT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,867:05:0	
2978	97	262	03:09:03.600	117GM105A106A4CU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,867:21:0	
2979	97	262	03:09:40.266	117GM105A106A4CV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,867:76:0	
2980	97	262	03:09:50.933	117GM105A106A4CW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,868:01:0	
2981	97	262	03:10:27.600	117GM105A106A4CX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,868:56:0	
2982	97	262	03:10:38.266	117GM105A106A4CY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,868:72:0	
2983	97	262	03:11:14.933	117GM105A106A4CZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,869:36:0	
2984	97	262	03:11:25.600	117GM105A106A4DA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,869:52:0	
2985	97	262	03:12:02.266	117GM105A106A4DB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,870:16:0	
2986	97	262	03:12:12.933	117GM105A106A4DC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,870:32:0	
2987	97	262	03:12:49.600	117GM105A106A4DD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,870:87:0	
2988	97	262	03:13:00.266	117GM105A106A4DE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,871:12:0	
2989	97	262	03:13:06.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,871:22:0	
2990	97	262	03:13:06.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5038.42 +/- 1	2R5	4	1	4,136,871:22:0	
2991	97	262	03:13:13.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5038.42 +/- 1	2R5	4	1	4,136,871:32:0	
2992	97	262	03:13:15.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5038.54 +/- 1	2R5	4	1	4,136,871:34:1	
2993	97	262	03:13:34.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5043.22 +/- 1	2R5	4	1	4,136,871:64:0	
2994	97	262	03:13:36.933	117GM105A106A4DF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,871:67:0	
2995	97	262	03:13:47.600	117GM105A106A4DG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,871:83:0	
2996	97	262	03:13:57.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,872:07:0	
2997	97	262	03:13:57.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5048.53 +/- 1	2R5	4	1	4,136,872:07:0	
2998	97	262	03:13:58.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5048.59 +/- 1	2R5	4	1	4,136,872:08:8	
2999	97	262	03:14:24.266	117GM105A106A4DH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,872:47:0	
3000	97	262	03:14:34.933	117GM105A106A4DI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,872:63:0	
3001	97	262	03:15:11.600	117GM105A106A4DJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,873:27:0	
3002	97	262	03:15:22.266	117GM105A106A4DK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,873:43:0	
3003	97	262	03:15:58.933	117GM105A106A4DL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,874:07:0	
3004	97	262	03:16:09.600	117GM105A106A4DM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,874:23:0	
3005	97	262	03:16:46.266	117GM105A106A4DN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,874:78:0	
3006	97	262	03:16:56.933	117GM105A106A4DO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,875:03:0	
3007	97	262	03:17:33.600	117GM105A106A4DP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,875:58:0	
3008	97	262	03:17:44.266	117GM105A106A4DQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,875:74:0	
3009	97	262	03:18:20.933	117GM105A106A4DR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,876:38:0	
3010	97	262	03:18:31.600	117GM105A106A4DS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,876:54:0	
3011	97	262	03:19:08.266	117GM105A106A4DT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,877:18:0	
3012	97	262	03:19:18.933	117GM105A106A4DU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,877:34:0	
3013	97	262	03:19:55.600	117GM105A106A4DV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,877:89:0	
3014	97	262	03:20:06.266	117GM105A106A4DW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,878:14:0	
3015	97	262	03:20:42.933	117GM105A106A4DX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,878:69:0	
3016	97	262	03:20:53.600	117GM105A106A4DY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,878:85:0	
3017	97	262	03:21:30.266	117GM105A106A4DZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,879:49:0	
3018	97	262	03:21:40.933	117GM105A106A4EA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,879:65:0	
3019	97	262	03:22:17.600	117GM105A106A4EB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,880:29:0	
3020	97	262	03:22:28.266	117GM105A106A4EC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,880:45:0	
3021	97	262	03:23:04.933	117GM105A106A4ED	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,881:09:0	
3022	97	262	03:23:15.600	117GM105A106A4EE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,881:25:0	
3023	97	262	03:23:52.266	117GM105A106A4EF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,881:80:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3024	97	262	03:24:02.933	117GM105A106A4EG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,882:05:0	
3025	97	262	03:24:39.600	117GM105A106A4EH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,882:60:0	
3026	97	262	03:24:50.266	117GM105A106A4EI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,882:76:0	
3027	97	262	03:25:26.933	117GM105A106A4EJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,883:40:0	
3028	97	262	03:25:37.600	117GM105A106A4EK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,883:56:0	
3029	97	262	03:26:14.266	117GM105A106A4EL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,884:20:0	
3030	97	262	03:26:24.933	117GM105A106A4EM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,884:36:0	
3031	97	262	03:27:01.600	117GM105A106A4EN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,885:00:0	
3032	97	262	03:27:12.266	117GM105A106A4EO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,885:16:0	
3033	97	262	03:27:31.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5048.59 +/- 1	2R5	4	1	4,136,885:45:0	
3034	97	262	03:27:31.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,885:45:0	
3035	97	262	03:27:38.266		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5048.59 +/- 1	2R5	4	1	4,136,885:55:0	
3036	97	262	03:27:39.666		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5048.71 +/- 1	2R5	4	1	4,136,885:57:1	
3037	97	262	03:27:48.933	117GM105A106A4EP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,885:71:0	
3038	97	262	03:27:59.600		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5053.38 +/- 1	2R5	4	1	4,136,885:87:0	
3039	97	262	03:27:59.600	117GM105A106A4EQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,885:87:0	
3040	97	262	03:28:22.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,886:30:0	
3041	97	262	03:28:22.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5058.69 +/- 1	2R5	4	1	4,136,886:30:0	
3042	97	262	03:28:23.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5058.75 +/- 1	2R5	4	1	4,136,886:31:8	
3043	97	262	03:28:36.266	117GM105A106A4ER	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,886:51:0	
3044	97	262	03:28:46.933	117GM105A106A4ES	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,886:67:0	
3045	97	262	03:29:23.600	117GM105A106A4ET	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,887:31:0	
3046	97	262	03:29:34.266	117GM105A106A4EU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,887:47:0	
3047	97	262	03:30:10.933	117GM105A106A4EV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,888:11:0	
3048	97	262	03:30:21.600	117GM105A106A4EW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,888:27:0	
3049	97	262	03:30:58.266	117GM105A106A4EX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,888:82:0	
3050	97	262	03:31:08.933	117GM105A106A4EY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,889:07:0	
3051	97	262	03:31:45.600	117GM105A106A4EZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,889:62:0	
3052	97	262	03:31:56.266	117GM105A106A4FA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,889:78:0	
3053	97	262	03:32:32.933	117GM105A106A4FB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,890:42:0	
3054	97	262	03:32:43.600	117GM105A106A4FC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,890:58:0	
3055	97	262	03:33:20.266	117GM105A106A4FD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,891:22:0	
3056	97	262	03:33:30.933	117GM105A106A4FE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,891:38:0	
3057	97	262	03:34:07.600	117GM105A106A4FF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,892:02:0	
3058	97	262	03:34:18.266	117GM105A106A4FG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,892:18:0	
3059	97	262	03:34:54.933	117GM105A106A4FH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,892:73:0	
3060	97	262	03:35:05.600	117GM105A106A4FI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,892:89:0	
3061	97	262	03:35:42.266	117GM105A106A4FJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,893:53:0	
3062	97	262	03:35:52.933	117GM105A106A4FK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,893:69:0	
3063	97	262	03:36:29.600	117GM105A106A4FL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,894:33:0	
3064	97	262	03:36:40.266	117GM105A106A4FM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,894:49:0	
3065	97	262	03:37:16.933	117GM105A106A4FN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,895:13:0	
3066	97	262	03:37:27.600	117GM105A106A4FO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,895:29:0	
3067	97	262	03:38:04.266	117GM105A106A4FP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,895:84:0	
3068	97	262	03:38:14.933	117GM105A106A4FQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,896:09:0	
3069	97	262	03:38:51.600	117GM105A106A4FR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,896:64:0	
3070	97	262	03:39:02.266	117GM105A106A4FS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,896:80:0	
3071	97	262	03:39:38.933	117GM105A106A4FT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,897:44:0	
3072	97	262	03:39:49.600	117GM105A106A4FU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,897:60:0	
3073	97	262	03:40:26.266	117GM105A106A4FV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,898:24:0	
3074	97	262	03:40:36.933	117GM105A106A4FW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,898:40:0	
3075	97	262	03:41:13.600	117GM105A106A4FX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,899:04:0	
3076	97	262	03:41:24.266	117GM105A106A4FY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,899:20:0	
3077	97	262	03:41:56.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,899:68:0	
3078	97	262	03:41:56.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5058.75 +/- 1	2R5	4	1	4,136,899:68:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3079	97	262	03:42:00.933	117GM105A106A4FZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,899:75:0	
3080	97	262	03:42:02.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5058.75 +/- 1	2R5	4	1	4,136,899:78:0	
3081	97	262	03:42:04.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5058.87 +/- 1	2R5	4	1	4,136,899:80:1	
3082	97	262	03:42:11.600	117GM105A106A4GA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,900:00:0	
3083	97	262	03:42:24.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5063.55 +/- 1	2R5	4	1	4,136,900:19:0	
3084	97	262	03:42:46.933		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5068.86 +/- 1	2R5	4	1	4,136,900:53:0	
3085	97	262	03:42:46.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,900:53:0	
3086	97	262	03:42:48.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5068.92 +/- 1	2R5	4	1	4,136,900:54:8	
3087	97	262	03:42:48.266	117GM105A106A4GB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,900:55:0	
3088	97	262	03:42:58.933	117GM105A106A4GC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,900:71:0	
3089	97	262	03:43:35.600	117GM105A106A4GD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,901:35:0	
3090	97	262	03:43:46.266	117GM105A106A4GE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,901:51:0	
3091	97	262	03:44:22.933	117GM105A106A4GF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,902:15:0	
3092	97	262	03:44:33.600	117GM105A106A4GG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,902:31:0	
3093	97	262	03:45:10.266	117GM105A106A4GH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,902:86:0	
3094	97	262	03:45:20.933	117GM105A106A4GI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,903:11:0	
3095	97	262	03:45:57.600	117GM105A106A4GJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,903:66:0	
3096	97	262	03:46:08.266	117GM105A106A4GK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,903:82:0	
3097	97	262	03:46:44.933	117GM105A106A4GL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,904:46:0	
3098	97	262	03:46:55.600	117GM105A106A4GM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,904:62:0	
3099	97	262	03:47:32.266	117GM105A106A4GN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,905:26:0	
3100	97	262	03:47:42.933	117GM105A106A4GO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,905:42:0	
3101	97	262	03:48:19.600	117GM105A106A4GP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,906:06:0	
3102	97	262	03:48:30.266	117GM105A106A4GQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,906:22:0	
3103	97	262	03:49:06.933	117GM105A106A4GR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,906:77:0	
3104	97	262	03:49:17.600	117GM105A106A4GS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,907:02:0	
3105	97	262	03:49:54.266	117GM105A106A4GT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,907:57:0	
3106	97	262	03:50:04.933	117GM105A106A4GU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,907:73:0	
3107	97	262	03:50:41.600	117GM105A106A4GV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,908:37:0	
3108	97	262	03:50:52.266	117GM105A106A4GW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,908:53:0	
3109	97	262	03:51:28.933	117GM105A106A4GX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,909:17:0	
3110	97	262	03:51:39.600	117GM105A106A4GY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,909:33:0	
3111	97	262	03:52:16.266	117GM105A106A4GZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,909:88:0	
3112	97	262	03:52:26.933	117GM105A106A4HA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,910:13:0	
3113	97	262	03:53:03.600	117GM105A106A4HB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,910:68:0	
3114	97	262	03:53:14.266	117GM105A106A4HC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,910:84:0	
3115	97	262	03:53:50.933	117GM105A106A4HD	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,911:48:0	
3116	97	262	03:54:01.600	117GM105A106A4HE	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,911:64:0	
3117	97	262	03:54:38.266	117GM105A106A4HF	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,912:28:0	
3118	97	262	03:54:48.933	117GM105A106A4HG	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,912:44:0	
3119	97	262	03:55:25.600	117GM105A106A4HH	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,913:08:0	
3120	97	262	03:55:36.266	117GM105A106A4HI	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,913:24:0	
3121	97	262	03:56:12.933	117GM105A106A4HJ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,913:79:0	
3122	97	262	03:56:20.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5068.92 +/- 1	2R5	4	1	4,136,914:00:0	
3123	97	262	03:56:20.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,914:00:0	
3124	97	262	03:56:23.600	117GM105A106A4HK	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,914:04:0	
3125	97	262	03:56:27.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5068.92 +/- 1	2R5	4	1	4,136,914:10:0	
3126	97	262	03:56:29.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5069.04 +/- 1	2R5	4	1	4,136,914:12:1	
3127	97	262	03:56:48.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5073.71 +/- 1	2R5	4	1	4,136,914:42:0	
3128	97	262	03:57:00.266	117GM105A106A4HL	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,914:59:0	
3129	97	262	03:57:10.933	117GM105A106A4HM	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,914:75:0	
3130	97	262	03:57:11.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5079.02 +/- 1	2R5	4	1	4,136,914:76:0	
3131	97	262	03:57:11.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,914:76:0	
3132	97	262	03:57:12.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5079.08 +/- 1	2R5	4	1	4,136,914:77:8	
3133	97	262	03:57:47.600	117GM105A106A4HN	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,915:39:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3134	97	262	03:57:58.266	117GM105A106A4HO	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,915:55:0	
3135	97	262	03:58:34.933	117GM105A106A4HP	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,916:19:0	
3136	97	262	03:58:45.600	117GM105A106A4HQ	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,916:35:0	
3137	97	262	03:59:22.266	117GM105A106A4HR	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,916:90:0	
3138	97	262	03:59:32.933	117GM105A106A4HS	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,917:15:0	
3139	97	262	04:00:09.600	117GM105A106A4HT	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,917:70:0	
3140	97	262	04:00:20.266	117GM105A106A4HU	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,917:86:0	
3141	97	262	04:00:56.933	117GM105A106A4HV	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,918:50:0	
3142	97	262	04:01:07.600	117GM105A106A4HW	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,918:66:0	
3143	97	262	04:01:44.266	117GM105A106A4HX	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,919:30:0	
3144	97	262	04:01:54.933	117GM105A106A4HY	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,919:46:0	
3145	97	262	04:02:31.600	117GM105A106A4HZ	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,920:10:0	
3146	97	262	04:02:42.266	117GM105A106A4IA	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,920:26:0	
3147	97	262	04:03:18.933	117GM105A106A4IB	7STRP	-0.0015,-0.00987	Slew =12.01	2R5	4	1	4,136,920:81:0	
3148	97	262	04:03:29.600	117GM105A106A4IC	7STRP	0.0,0.010001,0,0	Slew =,0.51	2R5	4	1	4,136,921:06:0	
3149	97	262	04:04:06.266	117GM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,921:61:0	
3150	97	262	04:04:06.266	176GM6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,921:61:0	
3151	97	262	04:04:08.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5079.08 +/- 1	2R5	4	1	4,136,921:64:0	
3152	97	262	04:04:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,921:64:0	
3153	97	262	04:04:14.933		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5079.08 +/- 1	2R5	4	1	4,136,921:74:0	
3154	97	262	04:04:16.333		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5079.20 +/- 1	2R5	4	1	4,136,921:76:1	
3155	97	262	04:04:18.266		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5079.66 +/- 1	2R5	4	1	4,136,921:79:0	
3156	97	262	04:04:25.600	165GN4A	7SCAN	NORM,21.568,11.1	Check S/P Position	2R5	4	1	4,136,921:90:0	
3157	97	262	04:04:34.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5083.41 +/- 1	2R5	4	1	4,136,922:12:0	
3158	97	262	04:04:34.266	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,922:12:0	
3159	97	262	04:04:35.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5083.47 +/- 1	2R5	4	1	4,136,922:13:8	
3160	97	262	04:05:17.600	117GN	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,136,922:77:0	
3161	97	262	04:05:26.933	117GN105A106A4A	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,923:00:0	
3162	97	262	04:05:26.933	176GP6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R5	4	1	4,136,923:00:0	
3163	97	262	04:08:42.266	117GN105A106A4B	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,926:20:0	
3164	97	262	04:08:48.266	117GN105A106A4C	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,926:29:0	
3165	97	262	04:12:03.600	117GN105A106A4D	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,929:49:0	
3166	97	262	04:12:09.600	117GN105A106A4E	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,929:58:0	
3167	97	262	04:15:24.933	117GN105A106A4F	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,932:78:0	
3168	97	262	04:15:30.933	117GN105A106A4G	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,932:87:0	
3169	97	262	04:18:46.266	117GN105A106A4H	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,936:16:0	
3170	97	262	04:18:52.266	117GN105A106A4I	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,936:25:0	
3171	97	262	04:19:20.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5083.47 +/- 1	2R5	4	1	4,136,936:68:0	
3172	97	262	04:19:20.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,936:68:0	
3173	97	262	04:19:27.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5083.47 +/- 1	2R5	4	1	4,136,936:78:0	
3174	97	262	04:19:29.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5083.59 +/- 1	2R5	4	1	4,136,936:80:1	
3175	97	262	04:19:48.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5088.26 +/- 1	2R5	4	1	4,136,937:19:0	
3176	97	262	04:20:11.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,937:53:0	
3177	97	262	04:20:11.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5093.57 +/- 1	2R5	4	1	4,136,937:53:0	
3178	97	262	04:20:12.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5093.63 +/- 1	2R5	4	1	4,136,937:54:8	
3179	97	262	04:22:07.600	117GN105A106A4J	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,939:45:0	
3180	97	262	04:22:13.600	117GN105A106A4K	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,939:54:0	
3181	97	262	04:25:28.933	117GN105A106A4L	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,942:74:0	
3182	97	262	04:25:34.933	117GN105A106A4M	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,942:83:0	
3183	97	262	04:28:50.266	117GN105A106A4N	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,946:12:0	
3184	97	262	04:28:56.266	117GN105A106A4O	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,946:21:0	
3185	97	262	04:32:11.600	117GN105A106A4P	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,949:41:0	
3186	97	262	04:32:17.600	117GN105A106A4Q	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,949:50:0	
3187	97	262	04:33:44.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,950:90:0	
3188	97	262	04:33:44.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5093.63 +/- 1	2R5	4	1	4,136,950:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3189	97	262	04:33:51.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5093.63 +/- 1	2R5	4	1	4,136,951:09:0
3190	97	262	04:33:53.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5093.75 +/- 1	2R5	4	1	4,136,951:11:1
3191	97	262	04:34:12.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5098.42 +/- 1	2R5	4	1	4,136,951:41:0
3192	97	262	04:34:35.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,951:75:0
3193	97	262	04:34:35.600		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5103.73 +/- 1	2R5	4	1	4,136,951:75:0
3194	97	262	04:34:36.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5103.79 +/- 1	2R5	4	1	4,136,951:76:8
3195	97	262	04:35:32.933	117GN105A106A4R	7STRP	-0.012501,0.0013	Slew =12.01	2R5	4	1	4,136,952:70:0
3196	97	262	04:35:38.933	117GN105A106A4S	7STRP	0.011501,0.0,0,0	Slew =,0.06	2R5	4	1	4,136,952:79:0
3197	**97**	**262**	**04:38:52.600**	**10INHRSPEC01-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3198	97	262	04:38:54.266	117GN11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,136,956:08:0
3199	97	262	04:39:48.933	165EQ4A	7SCAN	NORM,22.179,11.2	Check S/P Position	2R5	4	1	4,136,956:90:0
3200	97	262	04:41:16.933	176GP6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,136,958:40:0
3201	97	262	04:41:18.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,136,958:43:0
3202	97	262	04:41:18.933		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5103.79 +/- 1	2R5	4	1	4,136,958:43:0
3203	97	262	04:41:25.600		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5103.79 +/- 1	2R5	4	1	4,136,958:53:0
3204	97	262	04:41:27.000		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC *5103.91 +/- 1	2R5	4	1	4,136,958:55:1
3205	97	262	04:41:28.933		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5104.37 +/- 1	2R5	4	1	4,136,958:58:0
3206	97	262	04:41:44.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,136,958:81:0
3207	97	262	04:41:44.266		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5107.96 +/- 1	2R5	4	1	4,136,958:81:0
3208	97	262	04:41:45.466		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5108.02 +/- 1	2R5	4	1	4,136,958:82:8
3209	**97**	**262**	**04:41:46.266**	**127EQ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,136,958:84:0**
3210	97	262	04:41:46.266	127EQ	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,136,958:84:0
3211	**97**	**262**	**04:41:46.933**	**127EQ4B**	**37ETB**	**04,C4,35,FF,FF**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,136,958:85:0**
3212	97	262	04:41:54.933	127EQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,136,959:06:0
3213	97	262	04:42:38.266	175EQ422A6A	6DMSC	R28,3	DMS Control	2R3	4	0	4,136,959:71:0
3214	97	262	04:42:38.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5108.02 +/- 1	2R3	4	0	4,136,959:71:0
3215	97	262	04:42:42.266	117EQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,136,959:77:0
3216	97	262	04:42:44.933		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 5108.02 +/- 1	2R3	4	0	4,136,959:81:0
3217	97	262	04:42:48.266	175EQ176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	2R3	4	0	4,136,959:86:0
3218	97	262	04:42:48.933		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5109.52 +/- 1	2R3	4	0	4,136,959:87:0
3219	97	262	04:42:48.933		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5109.52 +/- 1	2R3	4	0	4,136,959:87:0
3220	**97**	**262**	**04:42:51.600**	**10INHRSPEC01-**	**NIMPBK**	**301EN**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**
3221	97	262	04:42:51.600	117EQ105A106A4A	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	2R3	4	0	4,136,960:00:0
3222	97	262	04:47:54.933	117EQ105A106A4B	7STRP	-0.0101,0.005,0,	Slew =12.01	2R3	4	0	4,136,965:00:0
3223	97	262	04:48:04.933	117EQ105A106A4C	7STRP	0.009,0.0,0,0,0,	Slew =,0.03	2R3	4	0	4,136,965:15:0
3224	97	262	04:49:38.266	488BF6E	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	2R3	4	0	4,136,966:64:0
3225	97	262	04:53:08.266	117EQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,136,970:15:0
3226	**97**	**262**	**04:53:08.266**	**10INHRSPEC01-**	**DESELC**	**300EN**	**HIGH SPATIAL & SPECTRAL OBS. OF**	**2R3**	**4**	**0**	**: :**
3227	97	262	04:53:08.933	175EQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,136,970:16:0
3228	97	262	04:53:08.933		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5654.44 +/- 1	2R3	4	0	4,136,970:16:0
3229	97	262	04:53:10.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5654.74 +/- 1	2R3	4	0	4,136,970:17:8
3230	97	262	04:53:58.266	165ER4A	7SCAN	NORM,21.919,11.0	Check S/P Position	2R3	4	0	4,136,970:90:0
3231	**97**	**262**	**04:54:02.599**	**10INNSPEC 01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3232	**97**	**262**	**04:54:02.599**	**10INHRSPEC01-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3233	97	262	04:55:55.600	125ER11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,136,972:84:0
3234	**97**	**262**	**04:55:55.600**	**125ER4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,136,972:84:0**
3235	97	262	04:55:55.600	125ER	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,136,972:84:0
3236	97	262	04:56:47.600		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5654.74 +/- 1	4R3	4	0	4,136,973:71:0
3237	97	262	04:56:47.600	175ER422A6A	6DMSC	R28,3	DMS Control	4R3	4	0	4,136,973:71:0
3238	97	262	04:56:51.600	117ER	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,136,973:77:0
3239	97	262	04:56:54.266		DMS:	: *RUNUP	R28, TRACK *3, FWD, TIC 5654.74 +/- 1	4R3	4	0	4,136,973:81:0
3240	97	262	04:56:57.600	175ER176A6A	6TMREC	**MPW**	28.8 KBPS PWS + NIMS RECORD Record Mode C	4R3	4	0	4,136,973:86:0
3241	97	262	04:56:58.266		DMS:	: *AT_SPD	R28, TRACK 3, FWD, TIC 5656.24 +/- 1	4R3	4	0	4,136,973:87:0
3242	97	262	04:56:58.266		DMS:	**: *RECORD**	R28, TRACK 3, FWD, TIC *5656.24 +/- 1	4R3	4	0	4,136,973:87:0
3243	97	262	04:56:59.600	165ER4B	7VECT		Inert vect update UTC	4R3	4	0	4,136,973:89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3244	97	262	04:57:00.933	117ER105A106A4A	7STRP	0.0048,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,136,974:00:0
3245	**97**	**262**	**04:57:00.933**	**10INNSPEC 01-**	**NIMPBK**	**301EO**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**
3246	97	262	04:59:43.600	117ER105A106A4B	7STRP	-0.0048,0.005,0,	Slew =12.01	4R3	4	0	4,136,976:62:0
3247	97	262	04:59:54.933	117ER105A106A4C	7STRP	0.0048,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,136,976:79:0
3248	97	262	05:02:37.600	117ER11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,136,979:50:0
3249	**97**	**262**	**05:02:37.600**	**10INNSPEC 01-**	**DESELC**	**300EO**	**NIGHTSIDE SPECTRA AT HIGH RESOLU**	**4R3**	**4**	**0**	**: :**
3250	97	262	05:02:43.600		DMS:	**: *RUNDOWN**	R28, TRACK 3, FWD, TIC *5959.76 +/- 1	4R3	4	0	4,136,979:59:0
3251	97	262	05:02:43.600	175ER422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,136,979:59:0
3252	97	262	05:02:44.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5960.06 +/- 1	4R3	4	0	4,136,979:60:8
3253	**97**	**262**	**05:03:39.933**	**10INNSPEC 01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3254	97	262	05:08:32.266	488BG6A	6TMSED	FILL,GL7	Sci, Eng, and D/L Chan	4R3	4	0	4,136,985:36:0
3255	97	262	05:09:02.266		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5960.06 +/- 1	4R3	4	0	4,136,985:81:0
3256	97	262	05:09:02.266		DMS:	: *DMS-TURN	P7, TRACK 3, FWD, TIC 5960.06 +/- 1	4R3	4	0	4,136,985:81:0
3257	97	262	05:09:02.266	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	4R3	4	0	4,136,985:81:0
3258	97	262	05:09:08.933		DMS:	: *RUNUP	P7, TRACK *3, FWD, TIC 5960.06 +/- 1	4R3	4	0	4,136,986:00:0
3259	97	262	05:09:10.333		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC *5960.18 +/- 1	4R3	4	0	4,136,986:02:1
3260	97	262	05:10:58.266	488BG6B	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	4R3	4	0	4,136,987:73:0
3261	97	262	05:12:38.266	488BG6C	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	4R3	4	0	4,136,989:41:0
3262	97	262	05:13:58.066		DMS:	: *REVERSE	P7, TRACK 3, FWD, TIC *6027.63 +/- 1	4R3	4	0	4,136,990:69:7
3263	97	262	05:13:59.266		DMS:	: *TURNARND	P7, TRACK *4, *REV, TIC *6027.69 +/- 1	4R3	4	0	4,136,990:71:5
3264	97	262	05:13:59.266		DMS:	: *RUNUP	P7, TRACK 4, REV, TIC 6027.69 +/- 1	4R3	4	0	4,136,990:71:5
3265	97	262	05:14:00.666		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC *6027.57 +/-	4R3	4	0	4,136,990:73:6
3266	97	262	05:14:12.666		DMS:	: *AUTOSTOP	P7, TRACK 4, REV, TIC *6025.44 +/-	4R3	4	0	4,136,991:00:6
3267	97	262	05:14:13.866		DMS:	: *READY	RDY, TRACK 4, REV, TIC *6025.38 +/-	4R3	4	0	4,136,991:02:4
3268	**97**	**262**	**05:27:24.599**	**10NNHEALTH03-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3269	97	262	05:28:16.933	125KC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,137,004:84:0
3270	97	262	05:28:16.933	125KC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,137,004:84:0
3271	**97**	**262**	**05:28:16.933**	**125KC4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,137,004:84:0**
3272	97	262	05:29:17.600	127KC	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,137,005:84:0
3273	**97**	**262**	**05:29:18.266**	**127KC4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,137,005:85:0**
3274	97	262	05:29:26.266	127KC11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,137,006:06:0
3275	**97**	**262**	**05:29:42.266**	**432DE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,137,006:30:0**
3276	**97**	**262**	**05:30:41.600**	**432DF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,137,007:28:0**
3277	**97**	**262**	**05:33:28.599**	**10NNHEALTH03-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3278	97	262	07:12:29.600	165IQ4A	7SCAN	NORM,358.836998,	Check S/P Position	2R3	4	0	4,137,107:90:0
3279	97	262	07:16:22.933	175IS422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	2R3	4	0	4,137,111:76:0
3280	97	262	07:16:22.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 6025.38 +/-	2R3	4	0	4,137,111:76:0
3281	97	262	07:16:24.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6025.50 +/-	2R3	4	0	4,137,111:78:1
3282	97	262	07:16:29.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6026.73 +/-	2R3	4	0	4,137,111:86:0
3283	97	262	07:16:30.800		DMS:	: *RUNUP	R403, TRACK *4, *REV, TIC *6026.79 +/-	2R3	4	0	4,137,111:87:8
3284	97	262	07:16:34.266	175IS176A6A	6TMREC	IM4	403.2 KBPS IMAGE RECORD Record Mode Chang	2R3	4	0	4,137,112:02:0
3285	97	262	07:16:34.666		DMS:	**: *RECORD**	R403, TRACK 4, REV, TIC *6003.79 +/-	2R3	4	0	4,137,112:02:6
3286	97	262	07:16:34.666		DMS:	: *AT_SPD	R403, TRACK 4, REV, TIC 6003.79 +/-	2R3	4	0	4,137,112:02:6
3287	97	262	07:16:36.933		DMS:	**: *RUNDOWN**	R403, TRACK 4, REV, TIC *5975.90 +/-	2R3	4	0	4,137,112:06:0
3288	97	262	07:16:36.933	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,112:06:0
3289	97	262	07:16:39.666		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5971.90 +/-	2R3	4	0	4,137,112:10:1
3290	97	262	07:39:59.600	488BG6D	6TMSED	NORM,EL8	Sci, Eng, and D/L Chan	2R3	4	0	4,137,135:17:0
3291	97	262	07:40:00.266	488BG6E	6TMSED	NORM,EH8	Sci, Eng, and D/L Chan	2R3	4	0	4,137,135:18:0
3292	**97**	**262**	**07:43:54.599**	**10NNRELOAD06-**		**-----START------**		**2R3**	**4**	**0**	**: :**
3293	**97**	**262**	**07:44:55.600**	**20EG6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**4,137,140:06:0**
3294	**97**	**262**	**07:45:56.266**	**20EG5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,137,141:06:0**
3295	**97**	**262**	**07:46:56.933**	**20EG5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,137,142:06:0**
3296	**97**	**262**	**07:47:57.600**	**20EG6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,137,143:06:0**
3297	**97**	**262**	**07:48:58.266**	**20EG6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,137,144:06:0**
3298	**97**	**262**	**07:49:58.933**	**20EG5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,137,145:06:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3299	**97**	**262**	**07:50:59.600**	**20EG5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,137,146:06:0**	
3300	**97**	**262**	**07:52:00.266**	**20EG4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,137,147:06:0**	
3301	**97**	**262**	**07:53:00.933**	**20EG4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,137,148:06:0**	
3302	**97**	**262**	**07:54:01.266**	**10NNRELOAD06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
3303	97	262	07:57:22.266	488BH6A	6TMSED	NORM,EH6	Sci, Eng, and D/L Chan	2R3	4	0	4,137,152:34:0	
3304	97	262	08:00:00.266	41U99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2R3	4	0	4,137,154:89:0	
3305	**97**	**262**	**08:01:54.266**	**41U3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**2R3**	**4**	**0**	**4,137,156:78:0**	
3306	**97**	**262**	**08:02:04.266**	**41U3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**2R3**	**4**	**0**	**4,137,157:02:0**	
3307	**97**	**262**	**08:02:14.266**	**41U3I**	**40T2**		**1 PCT Heater 2 ON**	**2R3**	**4**	**0**	**4,137,157:17:0**	
3308	**97**	**262**	**08:02:24.266**	**41U3J**	**40T2**		**2 PCT Heater 2 ON**	**2R3**	**4**	**0**	**4,137,157:32:0**	
3309	**97**	**262**	**08:04:07.933**	**10JNSCITRN01-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3310	97	262	08:10:02.266	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2R3	4	0	4,137,164:82:0	
3311	97	262	08:15:00.266	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R3	4	0	4,137,169:74:0	
3312	97	262	08:19:10.266	490UA412A4E	7VECT	RTH	Inert vect update UTC	2R3	4	0	4,137,173:85:0	
3313	97	262	08:19:14.266	490UA412A4F	7TURN	1,RTH	ALERT Thruster	2R3	4	0	4,137,174:00:0	
3314	97	262	08:23:02.266	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2R3	4	0	4,137,177:69:0	
3315	97	262	08:23:04.266	490UA412A406A4B	7STAR	2,809,78.249,45.	Star catalog update	2R3	4	0	4,137,177:72:0	
3316	97	262	08:23:06.266	490UA412A406A4C	7STAR	3,159,27.239,89.	Star catalog update	2R3	4	0	4,137,177:75:0	
3317	97	262	08:23:08.266	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2R3	4	0	4,137,177:78:0	
3318	97	262	08:23:10.266	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R3	4	0	4,137,177:81:0	
3319	97	262	08:23:12.266	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R3	4	0	4,137,177:84:0	
3320	97	262	08:42:10.266	488BH6B	6TMSED	NORM,EH5	Sci, Eng, and D/L Chan	2R3	4	0	4,137,196:62:0	
3321	97	262	09:39:29.600	432OY431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R3	4	0	4,137,253:34:0	
3322	97	262	09:39:30.266	432OY6A	6RTSL1		R/T Select of DDS and	2R3	4	0	4,137,253:35:0	
3323	97	262	09:58:00.266	41X99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2R3	4	0	4,137,271:62:0	
3324	**97**	**262**	**09:58:04.266**	**41X3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**4,137,271:68:0**	
3325	**97**	**262**	**09:58:14.266**	**41X3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2R3**	**4**	**0**	**4,137,271:83:0**	
3326	**97**	**262**	**09:58:24.266**	**41X3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2R3**	**4**	**0**	**4,137,272:07:0**	
3327	**97**	**262**	**09:58:34.266**	**41X3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2R3**	**4**	**0**	**4,137,272:22:0**	
3328	97	262	10:00:00.266	481UE4A	7VECT		Inert vect update UTC	2R3	4	0	4,137,273:60:0	
3329	97	262	10:03:00.266	488BH6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,137,276:57:0	
3330	**97**	**262**	**10:03:26.599**	**10JNFEA07401-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3331	97	262	10:04:22.933	165ES4A	7SCAN	NORM,24.587,16.5	Check S/P Position	2R3	4	0	4,137,277:90:0	
3332	**97**	**262**	**10:07:20.933**	**127ES4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,137,280:84:0**	
3333	97	262	10:07:20.933	127ES	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,137,280:84:0	
3334	**97**	**262**	**10:07:21.600**	**127ES4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,137,280:85:0**	
3335	97	262	10:07:29.600	127ES11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,137,281:06:0	
3336	97	262	10:08:14.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5971.90 +/-	2R5	4	1	4,137,281:73:0	
3337	97	262	10:08:14.266	175ES422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,281:73:0	
3338	97	262	10:08:15.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5972.02 +/-	2R5	4	1	4,137,281:75:1	
3339	97	262	10:08:16.933	117ES	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,281:77:0	
3340	97	262	10:08:20.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5973.26 +/-	2R5	4	1	4,137,281:83:0	
3341	97	262	10:08:22.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5973.32 +/-	2R5	4	1	4,137,281:84:8	
3342	97	262	10:08:22.933	175ES176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,281:86:0	
3343	97	262	10:08:23.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5973.20 +/-	2R5	4	1	4,137,281:86:9	
3344	97	262	10:08:23.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5973.20 +/-	2R5	4	1	4,137,281:86:9	
3345	**97**	**262**	**10:08:26.266**	**10JNFEA07401-**	**NIMPBK**	**301EP**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**	
3346	97	262	10:08:26.266	117ES105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,282:00:0	
3347	97	262	10:10:06.266	117ES105A106A4B	7STRP	-0.012001,0.008,	Slew =12.01	2R5	4	1	4,137,283:59:0	
3348	97	262	10:10:19.600	117ES105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,283:79:0	
3349	97	262	10:11:59.600	117ES11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,285:47:0	
3350	**97**	**262**	**10:11:59.600**	**10JNFEA07401-**	**DESELC**	**300EP**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**	
3351	97	262	10:12:18.266	175ES422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,285:75:0	
3352	97	262	10:12:18.266	175ES6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,285:75:0	
3353	97	262	10:12:18.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5918.18 +/-	2R5	4	1	4,137,285:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3354	97	262	10:12:19.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5918.12 +/-	2R5	4	1	4,137,285:76:8
3355	**97**	**262**	**10:12:32.599**	**10JNFEA07401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3356	**97**	**262**	**10:14:33.933**	**10INVOLCAN03-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3357	97	262	10:15:26.266	125ET	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,137,288:84:0
3358	**97**	**262**	**10:15:26.266**	**125ET4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,137,288:84:0**
3359	97	262	10:15:26.266	125ET11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,137,288:84:0
3360	97	262	10:15:30.266	165ET4A	7SCAN	NORM,18.952,9.38	Check S/P Position	4R5	4	1	4,137,288:90:0
3361	97	262	10:16:26.933	127ET	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,137,289:84:0
3362	**97**	**262**	**10:16:26.933**	**127ET4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,137,289:84:0**
3363	**97**	**262**	**10:16:27.600**	**127ET4B**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,289:85:0**
3364	97	262	10:16:35.600	127ET11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,290:06:0
3365	97	262	10:17:20.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5918.12 +/-	4R3	4	0	4,137,290:73:0
3366	97	262	10:17:20.266	175ET422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,290:73:0
3367	97	262	10:17:21.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5918.24 +/-	4R3	4	0	4,137,290:75:1
3368	97	262	10:17:22.933	117ET	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,290:77:0
3369	97	262	10:17:26.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5919.47 +/-	4R3	4	0	4,137,290:83:0
3370	97	262	10:17:28.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5919.53 +/-	4R3	4	0	4,137,290:84:8
3371	97	262	10:17:28.933	175ET176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,290:86:0
3372	97	262	10:17:29.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5919.41 +/-	4R3	4	0	4,137,290:86:9
3373	97	262	10:17:29.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5919.41 +/-	4R3	4	0	4,137,290:86:9
3374	97	262	10:17:32.266	117ET105A106A4A	7STRP	0.0021,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,137,291:00:0
3375	**97**	**262**	**10:17:32.266**	**10INVOLCAN03-**	**NIMPBK**	**301EQ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**
3376	**97**	**262**	**10:18:44.266**	**10INVOLCAN03-**	**DESELC**	**300EQ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**
3377	97	262	10:18:44.266	117ET11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,292:17:0
3378	97	262	10:18:54.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5899.55 +/-	4R3	4	0	4,137,292:32:0
3379	97	262	10:18:54.266	175ET6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,292:32:0
3380	97	262	10:18:54.266	175ET422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,292:32:0
3381	97	262	10:18:55.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5899.49 +/-	4R3	4	0	4,137,292:33:8
3382	**97**	**262**	**10:19:03.933**	**10INVOLCAN03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3383	97	262	10:21:34.266	165EU4A	7SCAN	NORM,19.206,9.48	Check S/P Position	4R3	4	0	4,137,294:90:0
3384	**97**	**262**	**10:21:38.599**	**10INCHEMIS05-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3385	**97**	**262**	**10:22:30.933**	**125LX4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,137,295:84:0**
3386	97	262	10:22:30.933	125LX	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,137,295:84:0
3387	97	262	10:22:30.933	125LX11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,137,295:84:0
3388	97	262	10:23:31.600	127EU	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,137,296:84:0
3389	**97**	**262**	**10:23:32.266**	**127EU4A**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,137,296:85:0**
3390	97	262	10:23:40.266	127EU11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,137,297:06:0
3391	97	262	10:24:24.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5899.49 +/-	2R3	4	0	4,137,297:73:0
3392	97	262	10:24:24.933	175EU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,297:73:0
3393	97	262	10:24:26.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5899.61 +/-	2R3	4	0	4,137,297:75:1
3394	97	262	10:24:27.600	117EU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,297:77:0
3395	97	262	10:24:31.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5900.85 +/-	2R3	4	0	4,137,297:83:0
3396	97	262	10:24:32.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5900.91 +/-	2R3	4	0	4,137,297:84:8
3397	97	262	10:24:33.600	175EU176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,137,297:86:0
3398	97	262	10:24:34.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5900.79 +/-	2R3	4	0	4,137,297:86:9
3399	97	262	10:24:34.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5900.79 +/-	2R3	4	0	4,137,297:86:9
3400	97	262	10:24:35.600	165EU4B	7VECT		Inert vect update UTC	2R3	4	0	4,137,297:89:0
3401	97	262	10:24:36.933	117EU105A106A4A	7STRP	0.0045,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,298:00:0
3402	**97**	**262**	**10:24:36.933**	**10INCHEMIS05-**	**NIMPBK**	**301ER**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
3403	**97**	**262**	**10:27:11.600**	**10INCHEMIS05-**	**DESELC**	**300ER**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
3404	97	262	10:27:11.600	117EU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,300:50:0
3405	**97**	**262**	**10:27:23.266**	**10INCHEMIS05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3406	97	262	10:27:23.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5861.09 +/-	2R3	4	0	4,137,300:68:0
3407	97	262	10:27:23.600	175EU6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,137,300:68:0
3408	97	262	10:27:23.600	175EU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,300:68:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3409	97	262	10:27:24.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5861.03 +/-	2R3	4	0	4,137,300:69:8	
3410	**97**	**262**	**10:29:43.933**	**10INTHRMAL03-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
3411	97	262	10:30:36.266	125EV11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,137,303:84:0	
3412	97	262	10:30:36.266	125EV	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,137,303:84:0	
3413	**97**	**262**	**10:30:36.266**	**125EV4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,137,303:84:0**	
3414	97	262	10:31:36.933	127EV	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,137,304:84:0	
3415	**97**	**262**	**10:31:37.600**	**127EV4A**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,304:85:0**	
3416	97	262	10:31:40.933	165EV4A	7SCAN	NORM,18.864,9.34	Check S/P Position	4R3	4	0	4,137,304:90:0	
3417	97	262	10:31:45.600	127EV11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,305:06:0	
3418	97	262	10:32:30.266	175EV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,305:73:0	
3419	97	262	10:32:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5861.03 +/-	4R3	4	0	4,137,305:73:0	
3420	97	262	10:32:31.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5861.15 +/-	4R3	4	0	4,137,305:75:1	
3421	97	262	10:32:32.933	117EV	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,305:77:0	
3422	97	262	10:32:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5862.38 +/-	4R3	4	0	4,137,305:83:0	
3423	97	262	10:32:38.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5862.44 +/-	4R3	4	0	4,137,305:84:8	
3424	97	262	10:32:38.933	175EV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,305:86:0	
3425	97	262	10:32:39.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5862.32 +/-	4R3	4	0	4,137,305:86:9	
3426	97	262	10:32:39.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5862.32 +/-	4R3	4	0	4,137,305:86:9	
3427	97	262	10:32:40.933	165EV4B	7VECT		Inert vect update UTC	4R3	4	0	4,137,305:89:0	
3428	97	262	10:32:42.266	117EV105A106A4A	7STRP	0.0036,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,137,306:00:0	
3429	**97**	**262**	**10:32:42.266**	**10INTHRMAL03-**	**NIMPBK**	**301FA**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
3430	**97**	**262**	**10:34:43.600**	**10INTHRMAL03-**	**DESELC**	**300FA**	**MONITORING OF IO'S NIGHTSIDE**	**4R3**	**4**	**0**	**: :**	
3431	97	262	10:34:43.600	117EV11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,308:00:0	
3432	97	262	10:34:55.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5830.43 +/-	4R3	4	0	4,137,308:18:0	
3433	97	262	10:34:55.600	175EV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,308:18:0	
3434	97	262	10:34:55.600	175EV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,308:18:0	
3435	97	262	10:34:56.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5830.37 +/-	4R3	4	0	4,137,308:19:8	
3436	**97**	**262**	**10:35:47.933**	**10JNTHRCYL01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3437	**97**	**262**	**10:35:53.933**	**10INTHRMAL03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3438	97	262	10:36:44.266	165EW4A	7SCAN	NORM,23.74,12.34	Check S/P Position	4R3	4	0	4,137,309:90:0	
3439	97	262	10:39:42.266	127EW	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,137,312:84:0	
3440	**97**	**262**	**10:39:42.933**	**127EW4A**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,312:85:0**	
3441	97	262	10:39:50.933	127EW11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,313:06:0	
3442	97	262	10:40:35.600	175EW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,313:73:0	
3443	97	262	10:40:35.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5830.37 +/-	4R3	4	0	4,137,313:73:0	
3444	97	262	10:40:37.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5830.49 +/-	4R3	4	0	4,137,313:75:1	
3445	97	262	10:40:38.266	117EW	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,313:77:0	
3446	97	262	10:40:42.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5831.72 +/-	4R3	4	0	4,137,313:83:0	
3447	97	262	10:40:43.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5831.78 +/-	4R3	4	0	4,137,313:84:8	
3448	97	262	10:40:44.266	175EW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,313:86:0	
3449	97	262	10:40:44.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5831.66 +/-	4R3	4	0	4,137,313:86:9	
3450	97	262	10:40:44.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5831.66 +/-	4R3	4	0	4,137,313:86:9	
3451	97	262	10:40:47.600	117EW105A106A4A	7STRP	0.023905,0.0,0,0	Slew =,0.02	4R3	4	0	4,137,314:00:0	
3452	**97**	**262**	**10:40:47.600**	**10JNTHRCYL01-**	**NIMPBK**	**301ET**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**	
3453	**97**	**262**	**10:55:56.933**	**10JNTHRCYL01-**	**NIMPBK**	**301FC**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**	
3454	**97**	**262**	**10:58:58.933**	**10JNTHRCYL01-**	**DESELC**	**300FC**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**	
3455	**97**	**262**	**11:00:44.266**	**10JNTHRCYL01-**	**DESELC**	**300ET**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**	
3456	97	262	11:00:47.600	117EW11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,333:71:0	
3457	97	262	11:00:54.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5548.21 +/-	4R3	4	0	4,137,333:81:0	
3458	97	262	11:00:54.266	175EW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,333:81:0	
3459	97	262	11:00:54.266	175EW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,333:81:0	
3460	97	262	11:00:55.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5548.15 +/-	4R3	4	0	4,137,333:82:8	
3461	97	262	11:10:06.266	165EX4A	7SCAN	NORM,27.502,17.7	Check S/P Position	4R3	4	0	4,137,342:90:0	
3462	**97**	**262**	**11:10:10.599**	**10JNFEA07402-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3463	**97**	**262**	**11:10:10.599**	**10JNTHRCYL01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3464	**97**	**262**	**11:12:03.600**	**125EX4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,137,344:84:0**
3465	97	262	11:12:03.600	125EX11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,137,344:84:0
3466	97	262	11:12:03.600	125EX	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,137,344:84:0
3467	**97**	**262**	**11:13:04.266**	**127EX4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,137,345:84:0**
3468	97	262	11:13:04.266	127EX	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,137,345:84:0
3469	**97**	**262**	**11:13:04.933**	**127EX4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,137,345:85:0**
3470	97	262	11:13:12.933	127EX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,137,346:06:0
3471	97	262	11:13:57.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5548.15 +/-	2R5	4	1	4,137,346:73:0
3472	97	262	11:13:57.600	175EX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,346:73:0
3473	97	262	11:13:59.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5548.27 +/-	2R5	4	1	4,137,346:75:1
3474	97	262	11:14:00.266	117EX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,346:77:0
3475	97	262	11:14:04.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5549.51 +/-	2R5	4	1	4,137,346:83:0
3476	97	262	11:14:05.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5549.57 +/-	2R5	4	1	4,137,346:84:8
3477	97	262	11:14:06.266	175EX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,346:86:0
3478	97	262	11:14:06.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5549.45 +/-	2R5	4	1	4,137,346:86:9
3479	97	262	11:14:06.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5549.45 +/-	2R5	4	1	4,137,346:86:9
3480	**97**	**262**	**11:14:09.600**	**10JNFEA07402-**	**NIMPBK**	**301EU**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**
3481	97	262	11:14:09.600	117EX105A106A4A	7STRP	0.0059,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,347:00:0
3482	97	262	11:15:04.266	117EX105A106A4B	7STRP	-0.0065,0.008,0,	Slew =12.01	2R5	4	1	4,137,347:82:0
3483	97	262	11:15:14.933	117EX105A106A4C	7STRP	0.0059,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,348:07:0
3484	**97**	**262**	**11:16:09.600**	**10JNFEA07402-**	**DESELC**	**300EU**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**
3485	97	262	11:16:09.600	117EX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,348:89:0
3486	97	262	11:16:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5517.87 +/-	2R5	4	1	4,137,349:16:0
3487	97	262	11:16:21.600	175EX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,349:16:0
3488	97	262	11:16:21.600	175EX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,349:16:0
3489	97	262	11:16:22.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5517.81 +/-	2R5	4	1	4,137,349:17:8
3490	**97**	**262**	**11:18:15.933**	**10JNFEA07402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
3491	**97**	**262**	**11:18:15.933**	**10JNTHRCYL02-**		**-----START------**		**2R5**	**4**	**1**	**: :**
3492	97	262	11:19:12.266	165EZ4A	7SCAN	NORM,26.465,13.4	Check S/P Position	2R5	4	1	4,137,351:90:0
3493	97	262	11:20:08.933	125EZ	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,137,352:84:0
3494	**97**	**262**	**11:20:08.933**	**125EZ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,137,352:84:0**
3495	97	262	11:20:08.933	125EZ11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,137,352:84:0
3496	**97**	**262**	**11:21:09.600**	**127EZ4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,137,353:84:0**
3497	97	262	11:21:09.600	127EZ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,137,353:84:0
3498	**97**	**262**	**11:21:10.266**	**127EZ4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,353:85:0**
3499	97	262	11:21:18.266	127EZ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,354:06:0
3500	97	262	11:22:02.933	175EZ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,354:73:0
3501	97	262	11:22:02.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5517.81 +/-	4R3	4	0	4,137,354:73:0
3502	97	262	11:22:04.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5517.93 +/-	4R3	4	0	4,137,354:75:1
3503	97	262	11:22:09.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5519.16 +/-	4R3	4	0	4,137,354:83:0
3504	97	262	11:22:10.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5519.22 +/-	4R3	4	0	4,137,354:84:8
3505	97	262	11:22:11.600	175EZ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,354:86:0
3506	97	262	11:22:12.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5519.10 +/-	4R3	4	0	4,137,354:86:9
3507	97	262	11:22:12.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5519.10 +/-	4R3	4	0	4,137,354:86:9
3508	**97**	**262**	**11:22:15.600**	**10JNTHRCYL02-**	**NIMPBK**	**301EV**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**
3509	97	262	11:23:06.266	117EZ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,355:77:0
3510	97	262	11:23:15.600	117EZ105A106A4A	7STRP	0.023905,0.0,0,0	Slew =,0.02	4R3	4	0	4,137,356:00:0
3511	**97**	**262**	**11:42:11.600**	**10JNTHRCYL02-**	**DESELC**	**300EV**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**
3512	97	262	11:42:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5235.65 +/-	4R3	4	0	4,137,374:81:0
3513	97	262	11:42:21.600	175EZ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,374:81:0
3514	97	262	11:42:21.600	175EZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,374:81:0
3515	97	262	11:42:22.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5235.59 +/-	4R3	4	0	4,137,374:82:8
3516	97	262	11:43:15.600	117EZ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,375:71:0
3517	97	262	11:48:31.600	165FA4A	7SCAN	NORM,29.127,18.3	Check S/P Position	4R3	4	0	4,137,380:90:0
3518	**97**	**262**	**11:48:35.933**	**10JNFEA07403-**		**-----START------**		**4R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3519	**97**	**262**	**11:48:35.933**	**10JNTHRCYL02-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3520	**97**	**262**	**11:50:28.933**	**125FA4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,137,382:84:0**	
3521	97	262	11:50:28.933	125FA11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,137,382:84:0	
3522	97	262	11:50:28.933	125FA	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,137,382:84:0	
3523	**97**	**262**	**11:51:29.600**	**127FA4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,137,383:84:0**	
3524	97	262	11:51:29.600	127FA	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,137,383:84:0	
3525	**97**	**262**	**11:51:30.266**	**127FA4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,137,383:85:0**	
3526	97	262	11:51:38.266	127FA11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,137,384:06:0	
3527	97	262	11:52:22.933	175FA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,384:73:0	
3528	97	262	11:52:22.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5235.59 +/-	2R5	4	1	4,137,384:73:0	
3529	97	262	11:52:24.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5235.71 +/-	2R5	4	1	4,137,384:75:1	
3530	97	262	11:52:25.600	117FA	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,384:77:0	
3531	97	262	11:52:29.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5236.94 +/-	2R5	4	1	4,137,384:83:0	
3532	97	262	11:52:30.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5237.00 +/-	2R5	4	1	4,137,384:84:8	
3533	97	262	11:52:31.600	175FA176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,384:86:0	
3534	97	262	11:52:32.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5236.88 +/-	2R5	4	1	4,137,384:86:9	
3535	97	262	11:52:32.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5236.88 +/-	2R5	4	1	4,137,384:86:9	
3536	**97**	**262**	**11:52:34.933**	**10JNFEA07403-**	**NIMPBK**	**301EX**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**	
3537	97	262	11:52:34.933	117FA105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,385:00:0	
3538	97	262	11:54:14.933	117FA105A106A4B	7STRP	-0.012001,0.008,	Slew =12.01	2R5	4	1	4,137,386:59:0	
3539	97	262	11:54:28.266	117FA105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,386:79:0	
3540	**97**	**262**	**11:56:08.266**	**10JNFEA07403-**	**DESELC**	**300EX**	**JUPITER FEATURE TRACK 74 DEG PHA**	**2R5**	**4**	**1**	**: :**	
3541	97	262	11:56:08.266	117FA11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,388:47:0	
3542	97	262	11:56:26.933	175FA422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,388:75:0	
3543	97	262	11:56:26.933	175FA6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,388:75:0	
3544	97	262	11:56:26.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *5181.87 +/-	2R5	4	1	4,137,388:75:0	
3545	97	262	11:56:28.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *5181.81 +/-	2R5	4	1	4,137,388:76:8	
3546	**97**	**262**	**11:56:41.266**	**10JNFEA07403-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
3547	**97**	**262**	**11:59:43.266**	**10JNTHRCYL03-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
3548	97	262	12:00:35.600	125FB11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	4,137,392:84:0	
3549	97	262	12:00:35.600	125FB	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,137,392:84:0	
3550	**97**	**262**	**12:00:35.600**	**125FB4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R5**	**4**	**1**	**4,137,392:84:0**	
3551	97	262	12:01:36.266	127FB	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,137,393:84:0	
3552	**97**	**262**	**12:01:36.266**	**127FB4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,137,393:84:0**	
3553	**97**	**262**	**12:01:36.933**	**127FB4B**	**37ETB**	**,CD,02,03,FF,1A,**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,393:85:0**	
3554	97	262	12:01:40.266	165FB4A	7SCAN	NORM,28.874,14.3	Check S/P Position	4R3	4	0	4,137,393:90:0	
3555	97	262	12:01:44.933	127FB11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,394:06:0	
3556	97	262	12:02:29.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5181.81 +/-	4R3	4	0	4,137,394:73:0	
3557	97	262	12:02:29.600	175FB422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,394:73:0	
3558	97	262	12:02:31.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5181.93 +/-	4R3	4	0	4,137,394:75:1	
3559	97	262	12:02:32.266	117FB	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,394:77:0	
3560	97	262	12:02:36.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5183.16 +/-	4R3	4	0	4,137,394:83:0	
3561	97	262	12:02:37.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *5183.22 +/-	4R3	4	0	4,137,394:84:8	
3562	97	262	12:02:38.266	175FB176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,394:86:0	
3563	97	262	12:02:38.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *5183.10 +/-	4R3	4	0	4,137,394:86:9	
3564	97	262	12:02:38.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 5183.10 +/-	4R3	4	0	4,137,394:86:9	
3565	97	262	12:02:41.600	117FB105A106A4A	7STRP	0.025906,0.0,0,0	Slew =,0.02	4R3	4	0	4,137,395:00:0	
3566	97	262	12:24:19.600	117FB11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,416:36:0	
3567	97	262	12:24:24.266	175FB6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,416:43:0	
3568	97	262	12:24:24.266	175FB422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,416:43:0	
3569	97	262	12:24:24.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *4877.15 +/-	4R3	4	0	4,137,416:43:0	
3570	97	262	12:24:25.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4877.09 +/-	4R3	4	0	4,137,416:44:8	
3571	**97**	**262**	**12:32:04.599**	**10JNTHRCYL03-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
3572	97	262	12:33:00.933	165IR4A	7SCAN	NORM,347.582996,	Check S/P Position	4R3	4	0	4,137,424:90:0	
3573	97	262	12:35:43.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4877.09 +/-	4R3	4	0	4,137,427:61:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3574	97	262	12:35:43.600	175IT422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,137,427:61:0	
3575	97	262	12:35:45.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4877.21 +/-	4R3	4	0	4,137,427:63:1	
3576	97	262	12:35:50.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4878.44 +/-	4R3	4	0	4,137,427:71:0	
3577	97	262	12:35:51.466		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4878.50 +/-	4R3	4	0	4,137,427:72:8	
3578	97	262	12:35:53.600	165IR4B	7VECT		Inert vect update UTC	4R3	4	0	4,137,427:76:0	
3579	97	262	12:35:56.266	175IT176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,137,427:80:0	
3580	97	262	12:35:56.733		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4812.50 +/-	4R3	4	0	4,137,427:80:7	
3581	97	262	12:35:56.733		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4812.50 +/-	4R3	4	0	4,137,427:80:7	
3582	97	262	12:36:02.266	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,427:89:0	
3583	97	262	12:36:02.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4676.33 +/-	4R3	4	0	4,137,427:89:0	
3584	97	262	12:36:05.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4664.83 +/- 1	4R3	4	0	4,137,428:02:1	
3585	97	262	12:39:55.600	175IU422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,137,431:75:0	
3586	97	262	12:39:55.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4664.83 +/- 1	4R3	4	0	4,137,431:75:0	
3587	97	262	12:39:57.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4664.95 +/- 1	4R3	4	0	4,137,431:77:1	
3588	97	262	12:40:02.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4666.19 +/- 1	4R3	4	0	4,137,431:85:0	
3589	97	262	12:40:03.466		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4666.25 +/- 1	4R3	4	0	4,137,431:86:8	
3590	97	262	12:40:06.933	175IU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,137,432:01:0	
3591	97	262	12:40:07.466		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4659.95 +/- 1	4R3	4	0	4,137,432:01:8	
3592	97	262	12:40:07.466		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4659.95 +/- 1	4R3	4	0	4,137,432:01:8	
3593	97	262	12:40:52.266	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,432:69:0	
3594	97	262	12:40:52.266		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4502.45 +/- 1	4R3	4	0	4,137,432:69:0	
3595	97	262	12:40:53.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4501.45 +/- 1	4R3	4	0	4,137,432:70:8	
3596	97	262	12:48:10.933	165IT4A	7SCAN	NORM,18.78,9.282	Check S/P Position	4R3	4	0	4,137,439:90:0	
3597	97	262	12:49:52.933	175IV422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	4R3	4	0	4,137,441:61:0	
3598	97	262	12:49:52.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4501.45 +/- 1	4R3	4	0	4,137,441:61:0	
3599	97	262	12:49:54.266	165IT4B	7VECT		Inert vect update UTC	4R3	4	0	4,137,441:63:0	
3600	97	262	12:49:54.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4501.57 +/- 1	4R3	4	0	4,137,441:63:1	
3601	97	262	12:49:59.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4502.80 +/- 1	4R3	4	0	4,137,441:71:0	
3602	97	262	12:50:00.800		DMS:	: *RUNUP	R806, TRACK *4, *REV, TIC *4502.86 +/- 1	4R3	4	0	4,137,441:72:8	
3603	97	262	12:50:05.600	175IV176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	4R3	4	0	4,137,441:80:0	
3604	97	262	12:50:06.066		DMS:	**: *RECORD**	R806, TRACK 4, REV, TIC *4436.86 +/- 1	4R3	4	0	4,137,441:80:7	
3605	97	262	12:50:06.066		DMS:	: *AT_SPD	R806, TRACK 4, REV, TIC 4436.86 +/- 1	4R3	4	0	4,137,441:80:7	
3606	97	262	12:50:12.933	176IA6A	6TMREC	AI8	806.4 KBPS SSI RECORD Record Mode Change	4R3	4	0	4,137,442:00:0	
3607	97	262	12:50:20.266	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,442:11:0	
3608	97	262	12:50:20.266		DMS:	**: *RUNDOWN**	R806, TRACK 4, REV, TIC *4087.41 +/- 1	4R3	4	0	4,137,442:11:0	
3609	97	262	12:50:23.000		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4075.91 +/- 1	4R3	4	0	4,137,442:15:1	
3610	**97**	**262**	**12:53:18.599**	**10JNTHRCYL04-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
3611	97	262	12:54:50.933	175IW422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,137,446:53:0	
3612	97	262	12:54:50.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4075.91 +/- 1	4R3	4	0	4,137,446:53:0	
3613	97	262	12:54:52.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4076.03 +/- 1	4R3	4	0	4,137,446:55:1	
3614	97	262	12:54:57.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4077.26 +/- 1	4R3	4	0	4,137,446:63:0	
3615	97	262	12:54:58.800		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *4077.32 +/- 1	4R3	4	0	4,137,446:64:8	
3616	97	262	12:55:02.266	175IW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,137,446:70:0	
3617	97	262	12:55:02.800		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 4071.02 +/- 1	4R3	4	0	4,137,446:70:8	
3618	97	262	12:55:02.800		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *4071.02 +/- 1	4R3	4	0	4,137,446:70:8	
3619	97	262	12:55:16.933	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,447:01:0	
3620	97	262	12:55:16.933		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *4021.33 +/- 1	4R3	4	0	4,137,447:01:0	
3621	97	262	12:55:18.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *4020.33 +/- 1	4R3	4	0	4,137,447:02:8	
3622	97	262	12:56:16.266	165FE4A	7SCAN	NORM,31.741,15.3	Check S/P Position	4R3	4	0	4,137,447:90:0	
3623	97	262	13:00:07.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 4020.33 +/- 1	4R3	4	0	4,137,451:73:0	
3624	97	262	13:00:07.600	175FE422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,451:73:0	
3625	97	262	13:00:09.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *4020.45 +/- 1	4R3	4	0	4,137,451:75:1	
3626	97	262	13:00:10.266	117FE	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,451:77:0	
3627	97	262	13:00:14.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *4021.69 +/- 1	4R3	4	0	4,137,451:83:0	
3628	97	262	13:00:15.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *4021.75 +/- 1	4R3	4	0	4,137,451:84:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
3629	97	262	13:00:16.266	175FE176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,451:86:0
3630	97	262	13:00:16.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *4021.63 +/- 1	4R3	4	0	4,137,451:86:9
3631	97	262	13:00:16.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 4021.63 +/- 1	4R3	4	0	4,137,451:86:9
3632	97	262	13:00:19.600	117FE105A106A4A	7STRP	0.027007,0.0,0,0	Slew =,0.02	4R3	4	0	4,137,452:00:0
3633	**97**	**262**	**13:00:19.600**	**10JNTHRCYL04-**	**NIMPBK**	**301EZ**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**
3634	97	262	13:22:51.600	117FE11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,474:26:0
3635	**97**	**262**	**13:22:51.600**	**10JNTHRCYL04-**	**DESELC**	**300EZ**	**JUPITER THERMAL CYLINDRICAL MAP**	**4R3**	**4**	**0**	**: :**
3636	97	262	13:23:16.933	175FE6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,474:64:0
3637	97	262	13:23:16.933	175FE422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,474:64:0
3638	97	262	13:23:16.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3698.17 +/- 1	4R3	4	0	4,137,474:64:0
3639	97	262	13:23:18.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3698.11 +/- 1	4R3	4	0	4,137,474:65:8
3640	**97**	**262**	**13:26:40.599**	**10JNTHRCYL04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3641	**97**	**262**	**13:32:44.599**	**10INTHRMAL04-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3642	97	262	13:33:36.933	127FD	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,137,484:84:0
3643	**97**	**262**	**13:33:37.600**	**127FD4A**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,137,484:85:0**
3644	97	262	13:33:40.933	165FD4A	7SCAN	NORM,19.066,9.40	Check S/P Position	4R3	4	0	4,137,484:90:0
3645	97	262	13:33:45.600	127FD11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,137,485:06:0
3646	97	262	13:34:30.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3698.11 +/- 1	4R3	4	0	4,137,485:73:0
3647	97	262	13:34:30.266	175FD422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,137,485:73:0
3648	97	262	13:34:31.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3698.23 +/- 1	4R3	4	0	4,137,485:75:1
3649	97	262	13:34:32.933	117FD	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,137,485:77:0
3650	97	262	13:34:36.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3699.47 +/- 1	4R3	4	0	4,137,485:83:0
3651	97	262	13:34:38.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3699.53 +/- 1	4R3	4	0	4,137,485:84:8
3652	97	262	13:34:38.933	175FD176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,137,485:86:0
3653	97	262	13:34:39.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3699.41 +/- 1	4R3	4	0	4,137,485:86:9
3654	97	262	13:34:39.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3699.41 +/- 1	4R3	4	0	4,137,485:86:9
3655	97	262	13:34:40.933	165FD4B	7VECT		Inert vect update UTC	4R3	4	0	4,137,485:89:0
3656	97	262	13:34:42.266	117FD105A106A4A	7STRP	0.0028,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,137,486:00:0
3657	97	262	13:36:18.266	117FD11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,137,487:53:0
3658	97	262	13:36:30.266	175FD6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,137,487:71:0
3659	97	262	13:36:30.266	175FD422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,137,487:71:0
3660	97	262	13:36:30.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3673.46 +/- 1	4R3	4	0	4,137,487:71:0
3661	97	262	13:36:31.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3673.40 +/- 1	4R3	4	0	4,137,487:72:8
3662	**97**	**262**	**13:36:47.266**	**10INTHRMAL04-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
3663	**97**	**262**	**13:57:00.599**	**10NNHEALTH04-**		**-----START------**		**4R3**	**4**	**0**	**: :**
3664	97	262	13:57:52.933	125KD11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,137,508:84:0
3665	97	262	13:57:52.933	125KD	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,137,508:84:0
3666	**97**	**262**	**13:57:52.933**	**125KD4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,137,508:84:0**
3667	97	262	13:58:53.600	127KD	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,137,509:84:0
3668	**97**	**262**	**13:58:54.266**	**127KD4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,137,509:85:0**
3669	97	262	13:59:02.266	127KD11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,137,510:06:0
3670	**97**	**262**	**13:59:18.266**	**432DG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,137,510:30:0**
3671	**97**	**262**	**14:00:17.600**	**432DH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,137,511:28:0**
3672	**97**	**262**	**14:03:04.599**	**10NNHEALTH04-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
3673	97	262	14:46:58.266	488BI6A	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	2R3	4	0	4,137,557:43:0
3674	97	262	15:23:14.266	488BI6B	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	2R3	4	0	4,137,593:31:0
3675	97	262	15:28:56.933	165GQ4A	7SCAN	NORM,21.254,10.5	Check S/P Position	2R3	4	0	4,137,598:90:0
3676	97	262	15:32:50.933	117GQ	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,602:77:0
3677	97	262	15:33:00.266	176GQ6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,137,603:00:0
3678	97	262	15:33:00.266	117GQ105A106A4A	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,603:00:0
3679	97	262	15:36:06.266	117GQ105A106A4B	7STRP	-0.007,0.0012,0,	Slew =12.01	2R3	4	0	4,137,606:06:0
3680	97	262	15:36:12.266	117GQ105A106A4C	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,606:15:0
3681	97	262	15:39:18.266	117GQ105A106A4D	7STRP	-0.007,0.0012,0,	Slew =12.01	2R3	4	0	4,137,609:21:0
3682	97	262	15:39:24.266	117GQ105A106A4E	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,609:30:0
3683	97	262	15:42:30.266	117GQ105A106A4F	7STRP	-0.007,0.0012,0,	Slew =12.01	2R3	4	0	4,137,612:36:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3684	97	262	15:42:36.266	117GQ105A106A4G	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,612:45:0	
3685	97	262	15:45:42.266	117GQ105A106A4H	7STRP	-0.007,0.0012,0,	Slew =12.01	2R3	4	0	4,137,615:51:0	
3686	97	262	15:45:48.266	117GQ105A106A4I	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,615:60:0	
3687	97	262	15:46:54.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3673.40 +/- 1	2R3	4	0	4,137,616:68:0	
3688	97	262	15:46:54.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,616:68:0	
3689	97	262	15:46:55.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3673.52 +/- 1	2R3	4	0	4,137,616:70:1	
3690	97	262	15:47:00.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3674.75 +/- 1	2R3	4	0	4,137,616:78:0	
3691	97	262	15:47:02.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3674.81 +/- 1	2R3	4	0	4,137,616:79:8	
3692	97	262	15:47:03.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3674.69 +/- 1	2R3	4	0	4,137,616:81:9	
3693	97	262	15:47:22.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3670.30 +/- 1	2R3	4	0	4,137,617:19:0	
3694	97	262	15:47:44.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3664.99 +/- 1	2R3	4	0	4,137,617:53:0	
3695	97	262	15:47:44.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,617:53:0	
3696	97	262	15:47:46.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3664.93 +/- 1	2R3	4	0	4,137,617:54:8	
3697	97	262	15:48:54.266	117GQ105A106A4J	7STRP	-0.007,0.0012,0,	Slew =12.01	2R3	4	0	4,137,618:66:0	
3698	97	262	15:49:00.266	117GQ105A106A4K	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,618:75:0	
3699	97	262	15:52:06.266	117GQ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,621:81:0	
3700	97	262	15:52:06.266	176GQ6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,137,621:81:0	
3701	97	262	15:52:08.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,621:84:0	
3702	97	262	15:52:08.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3664.93 +/- 1	2R3	4	0	4,137,621:84:0	
3703	97	262	15:52:09.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3665.05 +/- 1	2R3	4	0	4,137,621:86:1	
3704	97	262	15:52:14.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3666.28 +/- 1	2R3	4	0	4,137,622:03:0	
3705	97	262	15:52:16.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3666.34 +/- 1	2R3	4	0	4,137,622:04:8	
3706	97	262	15:52:17.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3666.22 +/- 1	2R3	4	0	4,137,622:06:9	
3707	97	262	15:52:18.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3666.05 +/- 1	2R3	4	0	4,137,622:08:0	
3708	97	262	15:52:31.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,622:28:0	
3709	97	262	15:52:31.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3662.92 +/- 1	2R3	4	0	4,137,622:28:0	
3710	97	262	15:52:32.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3662.86 +/- 1	2R3	4	0	4,137,622:29:8	
3711	97	262	16:00:00.266	488BI6C	6TMSED	NORM,CL3	Sci, Eng, and D/L Chan	2R3	4	0	4,137,629:64:0	
3712	97	262	16:01:22.933	480MA6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R3	4	0	4,137,631:06:0	
3713	97	262	16:01:22.933	480MA6	6MROH	12	read from LLM1A12,2282,0,A2	2R3	4	0	4,137,631:06:0	
3714	97	262	16:16:36.933	20ME6A	6CKSUM	MAG,4040,46F0		2R3	4	0	4,137,646:12:0	
3715	97	262	16:17:33.600	480MB6	6MROH	12	read from LLM1A12,2282,0,A2	2R3	4	0	4,137,647:06:0	
3716	97	262	16:17:33.600	480MB6A	6MROH	12,2282,0,A2	read from LLM1A12,2282,0,A2	2R3	4	0	4,137,647:06:0	
3717	97	262	16:18:42.266	488BI6D	6TMSED	NORM,CL2	Sci, Eng, and D/L Chan	2R3	4	0	4,137,648:18:0	
3718	97	262	16:20:30.933	165GR4A	7SCAN	NORM,40.876,18.5	Check S/P Position	2R3	4	0	4,137,649:90:0	
3719	97	262	16:21:30.933	488BI6E	6TMSED	FILL,CL2	Sci, Eng, and D/L Chan	2R3	4	0	4,137,650:89:0	
3720	97	262	16:24:24.933	117GR	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,653:77:0	
3721	97	262	16:24:34.266	117GR105A106A4A	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,654:00:0	
3722	97	262	16:24:34.266	176GR6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,137,654:00:0	
3723	97	262	16:25:04.933	117GR105A106A4B	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,654:46:0	
3724	97	262	16:25:15.600	117GR105A106A4C	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,654:62:0	
3725	97	262	16:25:46.266	117GR105A106A4D	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,655:17:0	
3726	97	262	16:25:56.933	117GR105A106A4E	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,655:33:0	
3727	97	262	16:26:27.600	117GR105A106A4F	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,655:79:0	
3728	97	262	16:26:38.266	117GR105A106A4G	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,656:04:0	
3729	97	262	16:27:08.933	117GR105A106A4H	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,656:50:0	
3730	97	262	16:27:19.600	117GR105A106A4I	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,656:66:0	
3731	97	262	16:27:50.266	117GR105A106A4J	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,657:21:0	
3732	97	262	16:28:00.933	117GR105A106A4K	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,657:37:0	
3733	97	262	16:28:31.600	117GR105A106A4L	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,657:83:0	
3734	97	262	16:28:42.266	117GR105A106A4M	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,658:08:0	
3735	97	262	16:29:12.933	117GR105A106A4N	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,658:54:0	
3736	97	262	16:29:23.600	117GR105A106A4O	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,658:70:0	
3737	97	262	16:29:54.266	117GR105A106A4P	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,659:25:0	
3738	97	262	16:30:04.933	117GR105A106A4Q	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,659:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3739	97	262	16:30:35.600	117GR105A106A4R	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,659	87:0
3740	97	262	16:30:46.266	117GR105A106A4S	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,660	12:0
3741	97	262	16:31:16.933	117GR105A106A4T	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,660	58:0
3742	97	262	16:31:27.600	117GR105A106A4U	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,660	74:0
3743	97	262	16:31:58.266	117GR105A106A4V	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,661	29:0
3744	97	262	16:32:08.933	117GR105A106A4W	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,661	45:0
3745	97	262	16:32:39.600	117GR105A106A4X	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,662	00:0
3746	97	262	16:32:50.266	117GR105A106A4Y	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,662	16:0
3747	97	262	16:33:20.933	117GR105A106A4Z	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,662	62:0
3748	97	262	16:33:31.600	117GR105A106A4AA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,662	78:0
3749	97	262	16:33:38.266	488BJ6A	6TMSED	FILL,CL1	Sci, Eng, and D/L Chan	2R3	4	0	4,137,662	88:0
3750	97	262	16:34:02.266	117GR105A106A4AB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,663	33:0
3751	97	262	16:34:12.933	117GR105A106A4AC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,663	49:0
3752	97	262	16:34:43.600	117GR105A106A4AD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,664	04:0
3753	97	262	16:34:54.266	117GR105A106A4AE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,664	20:0
3754	97	262	16:35:24.933	117GR105A106A4AF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,664	66:0
3755	97	262	16:35:35.600	117GR105A106A4AG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,664	82:0
3756	97	262	16:36:06.266	117GR105A106A4AH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,665	37:0
3757	97	262	16:36:16.933	117GR105A106A4AI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,665	53:0
3758	97	262	16:36:47.600	117GR105A106A4AJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,666	08:0
3759	97	262	16:36:58.266	117GR105A106A4AK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,666	24:0
3760	97	262	16:37:28.933	117GR105A106A4AL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,666	70:0
3761	97	262	16:37:39.600	117GR105A106A4AM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,666	86:0
3762	97	262	16:38:10.266	117GR105A106A4AN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,667	41:0
3763	97	262	16:38:20.933	117GR105A106A4AO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,667	57:0
3764	97	262	16:38:28.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,667	68:0
3765	97	262	16:38:28.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3662.86 +/- 1	2R3	4	0	4,137,667	68:0
3766	97	262	16:38:29.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3662.98 +/- 1	2R3	4	0	4,137,667	70:1
3767	97	262	16:38:34.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3664.22 +/- 1	2R3	4	0	4,137,667	78:0
3768	97	262	16:38:36.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3664.28 +/- 1	2R3	4	0	4,137,667	79:8
3769	97	262	16:38:37.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3664.16 +/- 1	2R3	4	0	4,137,667	81:9
3770	97	262	16:38:51.600	117GR105A106A4AP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,668	12:0
3771	97	262	16:38:56.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3659.77 +/- 1	2R3	4	0	4,137,668	19:0
3772	97	262	16:39:02.266	117GR105A106A4AQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,668	28:0
3773	97	262	16:39:18.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,668	53:0
3774	97	262	16:39:18.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3654.46 +/- 1	2R3	4	0	4,137,668	53:0
3775	97	262	16:39:20.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3654.40 +/- 1	2R3	4	0	4,137,668	54:8
3776	97	262	16:39:32.933	117GR105A106A4AR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,668	74:0
3777	97	262	16:39:43.600	117GR105A106A4AS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,668	90:0
3778	97	262	16:40:14.266	117GR105A106A4AT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,669	45:0
3779	97	262	16:40:24.933	117GR105A106A4AU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,669	61:0
3780	97	262	16:40:55.600	117GR105A106A4AV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,670	16:0
3781	97	262	16:41:06.266	117GR105A106A4AW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,670	32:0
3782	97	262	16:41:36.933	117GR105A106A4AX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,670	78:0
3783	97	262	16:41:47.600	117GR105A106A4AY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,671	03:0
3784	97	262	16:42:18.266	117GR105A106A4AZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,671	49:0
3785	97	262	16:42:28.933	117GR105A106A4BA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,671	65:0
3786	97	262	16:42:59.600	117GR105A106A4BB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,672	20:0
3787	97	262	16:43:10.266	117GR105A106A4BC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,672	36:0
3788	97	262	16:43:40.933	117GR105A106A4BD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,672	82:0
3789	97	262	16:43:51.600	117GR105A106A4BE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,673	07:0
3790	97	262	16:44:22.266	117GR105A106A4BF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,673	53:0
3791	97	262	16:44:32.933	117GR105A106A4BG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,673	69:0
3792	97	262	16:45:03.600	117GR105A106A4BH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,674	24:0
3793	97	262	16:45:14.266	117GR105A106A4BI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,674	40:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3794	97	262	16:45:44.933	117GR105A106A4BJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,674	86:0
3795	97	262	16:45:55.600	117GR105A106A4BK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,675	11:0
3796	97	262	16:46:26.266	117GR105A106A4BL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,675	57:0
3797	97	262	16:46:36.933	117GR105A106A4BM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,675	73:0
3798	97	262	16:47:07.600	117GR105A106A4BN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,676	28:0
3799	97	262	16:47:18.266	117GR105A106A4BO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,676	44:0
3800	97	262	16:47:48.933	117GR105A106A4BP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,676	90:0
3801	97	262	16:47:59.600	117GR105A106A4BQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,677	15:0
3802	97	262	16:48:30.266	117GR105A106A4BR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,677	61:0
3803	97	262	16:48:40.933	117GR105A106A4BS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,677	77:0
3804	97	262	16:49:11.600	117GR105A106A4BT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,678	32:0
3805	97	262	16:49:22.266	117GR105A106A4BU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,678	48:0
3806	97	262	16:49:52.933	117GR105A106A4BV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,679	03:0
3807	97	262	16:50:03.600	117GR105A106A4BW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,679	19:0
3808	97	262	16:50:34.266	117GR105A106A4BX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,679	65:0
3809	97	262	16:50:44.933	117GR105A106A4BY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,679	81:0
3810	97	262	16:51:15.600	117GR105A106A4BZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,680	36:0
3811	97	262	16:51:26.266	117GR105A106A4CA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,680	52:0
3812	97	262	16:51:56.933	117GR105A106A4CB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,681	07:0
3813	97	262	16:52:07.600	117GR105A106A4CC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,681	23:0
3814	97	262	16:52:38.266	117GR105A106A4CD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,681	69:0
3815	97	262	16:52:48.933	117GR105A106A4CE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,681	85:0
3816	97	262	16:52:52.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,681	90:0
3817	97	262	16:52:52.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3654.40 +/- 1	2R3	4	0	4,137,681	90:0
3818	97	262	16:52:53.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3654.52 +/- 1	2R3	4	0	4,137,682	01:1
3819	97	262	16:52:58.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3655.75 +/- 1	2R3	4	0	4,137,682	09:0
3820	97	262	16:53:00.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3655.81 +/- 1	2R3	4	0	4,137,682	10:8
3821	97	262	16:53:01.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3655.69 +/- 1	2R3	4	0	4,137,682	12:9
3822	97	262	16:53:19.600	117GR105A106A4CF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,682	40:0
3823	97	262	16:53:20.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3651.30 +/- 1	2R3	4	0	4,137,682	41:0
3824	97	262	16:53:30.266	117GR105A106A4CG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,682	56:0
3825	97	262	16:53:42.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3645.99 +/- 1	2R3	4	0	4,137,682	75:0
3826	97	262	16:53:42.933	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,682	75:0
3827	97	262	16:53:44.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3645.93 +/- 1	2R3	4	0	4,137,682	76:8
3828	97	262	16:54:00.933	117GR105A106A4CH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,683	11:0
3829	97	262	16:54:11.600	117GR105A106A4CI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,683	27:0
3830	97	262	16:54:42.266	117GR105A106A4CJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,683	73:0
3831	97	262	16:54:52.933	117GR105A106A4CK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,683	89:0
3832	97	262	16:55:23.600	117GR105A106A4CL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,684	44:0
3833	97	262	16:55:34.266	117GR105A106A4CM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,684	60:0
3834	97	262	16:56:04.933	117GR105A106A4CN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,685	15:0
3835	97	262	16:56:15.600	117GR105A106A4CO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,685	31:0
3836	97	262	16:56:46.266	117GR105A106A4CP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,685	77:0
3837	97	262	16:56:56.933	117GR105A106A4CQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,686	02:0
3838	97	262	16:57:27.600	117GR105A106A4CR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,686	48:0
3839	97	262	16:57:38.266	117GR105A106A4CS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,686	64:0
3840	97	262	16:58:08.933	117GR105A106A4CT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,687	19:0
3841	97	262	16:58:19.600	117GR105A106A4CU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,687	35:0
3842	97	262	16:58:50.266	117GR105A106A4CV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,687	81:0
3843	97	262	16:59:00.933	117GR105A106A4CW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,688	06:0
3844	97	262	16:59:31.600	117GR105A106A4CX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,688	52:0
3845	97	262	16:59:42.266	117GR105A106A4CY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,688	68:0
3846	97	262	17:00:12.933	117GR105A106A4CZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,689	23:0
3847	97	262	17:00:23.600	117GR105A106A4DA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,689	39:0
3848	97	262	17:00:54.266	117GR105A106A4DB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,689	85:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3849	97	262	17:01:04.933	117GR105A106A4DC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,690	10:0
3850	97	262	17:01:35.600	117GR105A106A4DD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,690	56:0
3851	97	262	17:01:46.266	117GR105A106A4DE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,690	72:0
3852	97	262	17:02:16.933	117GR105A106A4DF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,691	27:0
3853	97	262	17:02:27.600	117GR105A106A4DG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,691	43:0
3854	97	262	17:02:58.266	117GR105A106A4DH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,691	89:0
3855	97	262	17:03:08.933	117GR105A106A4DI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,692	14:0
3856	97	262	17:03:39.600	117GR105A106A4DJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,692	60:0
3857	97	262	17:03:50.266	117GR105A106A4DK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,692	76:0
3858	97	262	17:04:20.933	117GR105A106A4DL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,693	31:0
3859	97	262	17:04:31.600	117GR105A106A4DM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,693	47:0
3860	97	262	17:05:02.266	117GR105A106A4DN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,694	02:0
3861	97	262	17:05:12.933	117GR105A106A4DO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,694	18:0
3862	97	262	17:05:43.600	117GR105A106A4DP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,694	64:0
3863	97	262	17:05:54.266	117GR105A106A4DQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,694	80:0
3864	97	262	17:06:24.933	117GR105A106A4DR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,695	35:0
3865	97	262	17:06:35.600	117GR105A106A4DS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,695	51:0
3866	97	262	17:07:06.266	117GR105A106A4DT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,696	06:0
3867	97	262	17:07:16.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3645.93 +/- 1	2R3	4	0	4,137,696	22:0
3868	97	262	17:07:16.933	117GR105A106A4DU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,696	22:0
3869	97	262	17:07:16.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,696	22:0
3870	97	262	17:07:18.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3646.05 +/- 1	2R3	4	0	4,137,696	24:1
3871	97	262	17:07:23.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3647.28 +/- 1	2R3	4	0	4,137,696	32:0
3872	97	262	17:07:24.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3647.34 +/- 1	2R3	4	0	4,137,696	33:8
3873	97	262	17:07:26.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3647.22 +/- 1	2R3	4	0	4,137,696	35:9
3874	97	262	17:07:44.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3642.83 +/- 1	2R3	4	0	4,137,696	64:0
3875	97	262	17:07:47.600	117GR105A106A4DV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,696	68:0
3876	97	262	17:07:58.266	117GR105A106A4DW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,696	84:0
3877	97	262	17:08:07.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3637.52 +/- 1	2R3	4	0	4,137,697	07:0
3878	97	262	17:08:07.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,697	07:0
3879	97	262	17:08:08.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3637.46 +/- 1	2R3	4	0	4,137,697	08:8
3880	97	262	17:08:28.933	117GR105A106A4DX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,697	39:0
3881	97	262	17:08:39.600	117GR105A106A4DY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,697	55:0
3882	97	262	17:09:10.266	117GR105A106A4DZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,698	10:0
3883	97	262	17:09:20.933	117GR105A106A4EA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,698	26:0
3884	97	262	17:09:51.600	117GR105A106A4EB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,698	72:0
3885	97	262	17:10:02.266	117GR105A106A4EC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,698	88:0
3886	97	262	17:10:32.933	117GR105A106A4ED	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,699	43:0
3887	97	262	17:10:43.600	117GR105A106A4EE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,699	59:0
3888	97	262	17:11:14.266	117GR105A106A4EF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,700	14:0
3889	97	262	17:11:24.933	117GR105A106A4EG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,700	30:0
3890	97	262	17:11:55.600	117GR105A106A4EH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,700	76:0
3891	97	262	17:12:06.266	117GR105A106A4EI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,701	01:0
3892	97	262	17:12:36.933	117GR105A106A4EJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,701	47:0
3893	97	262	17:12:47.600	117GR105A106A4EK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,701	63:0
3894	97	262	17:13:18.266	117GR105A106A4EL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,702	18:0
3895	97	262	17:13:28.933	117GR105A106A4EM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,702	34:0
3896	97	262	17:13:59.600	117GR105A106A4EN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,702	80:0
3897	97	262	17:14:10.266	117GR105A106A4EO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,703	05:0
3898	97	262	17:14:40.933	117GR105A106A4EP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,703	51:0
3899	97	262	17:14:51.600	117GR105A106A4EQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,703	67:0
3900	97	262	17:15:22.266	117GR105A106A4ER	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,704	22:0
3901	97	262	17:15:32.933	117GR105A106A4ES	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,704	38:0
3902	97	262	17:16:03.600	117GR105A106A4ET	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,704	84:0
3903	97	262	17:16:14.266	117GR105A106A4EU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,705	09:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3904	97	262	17:16:44.933	117GR105A106A4EV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,705:55:0	
3905	97	262	17:16:55.600	117GR105A106A4EW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,705:71:0	
3906	97	262	17:17:26.266	117GR105A106A4EX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,706:26:0	
3907	97	262	17:17:36.933	117GR105A106A4EY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,706:42:0	
3908	97	262	17:18:07.600	117GR105A106A4EZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,706:88:0	
3909	97	262	17:18:18.266	117GR105A106A4FA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,707:13:0	
3910	97	262	17:18:48.933	117GR105A106A4FB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,707:59:0	
3911	97	262	17:18:59.600	117GR105A106A4FC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,707:75:0	
3912	97	262	17:19:30.266	117GR105A106A4FD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,708:30:0	
3913	97	262	17:19:40.933	117GR105A106A4FE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,708:46:0	
3914	97	262	17:20:11.600	117GR105A106A4FF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,709:01:0	
3915	97	262	17:20:22.266	117GR105A106A4FG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,709:17:0	
3916	97	262	17:20:52.933	117GR105A106A4FH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,709:63:0	
3917	97	262	17:21:03.600	117GR105A106A4FI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,709:79:0	
3918	97	262	17:21:34.266	117GR105A106A4FJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,710:34:0	
3919	97	262	17:21:41.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3637.46 +/- 1	2R3	4	0	4,137,710:45:0	
3920	97	262	17:21:41.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,710:45:0	
3921	97	262	17:21:43.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3637.58 +/- 1	2R3	4	0	4,137,710:47:1	
3922	97	262	17:21:44.933	117GR105A106A4FK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,710:50:0	
3923	97	262	17:21:48.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3638.81 +/- 1	2R3	4	0	4,137,710:55:0	
3924	97	262	17:21:49.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3638.87 +/- 1	2R3	4	0	4,137,710:56:8	
3925	97	262	17:21:50.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3638.75 +/- 1	2R3	4	0	4,137,710:58:9	
3926	97	262	17:22:09.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3634.36 +/- 1	2R3	4	0	4,137,710:87:0	
3927	97	262	17:22:15.600	117GR105A106A4FL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,711:05:0	
3928	97	262	17:22:26.266	117GR105A106A4FM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,711:21:0	
3929	97	262	17:22:32.266	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,711:30:0	
3930	97	262	17:22:32.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3629.05 +/- 1	2R3	4	0	4,137,711:30:0	
3931	97	262	17:22:33.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3628.99 +/- 1	2R3	4	0	4,137,711:31:8	
3932	97	262	17:22:56.933	117GR105A106A4FN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,711:67:0	
3933	97	262	17:23:07.600	117GR105A106A4FO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,711:83:0	
3934	97	262	17:23:38.266	117GR105A106A4FP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,712:38:0	
3935	97	262	17:23:48.933	117GR105A106A4FQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,712:54:0	
3936	97	262	17:24:19.600	117GR105A106A4FR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,713:09:0	
3937	97	262	17:24:30.266	117GR105A106A4FS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,713:25:0	
3938	97	262	17:25:00.933	117GR105A106A4FT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,713:71:0	
3939	97	262	17:25:11.600	117GR105A106A4FU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,713:87:0	
3940	97	262	17:25:42.266	117GR105A106A4FV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,714:42:0	
3941	97	262	17:25:52.933	117GR105A106A4FW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,714:58:0	
3942	97	262	17:26:23.600	117GR105A106A4FX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,715:13:0	
3943	97	262	17:26:34.266	117GR105A106A4FY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,715:29:0	
3944	97	262	17:27:04.933	117GR105A106A4FZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,715:75:0	
3945	97	262	17:27:15.600	117GR105A106A4GA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,716:00:0	
3946	97	262	17:27:46.266	117GR105A106A4GB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,716:46:0	
3947	97	262	17:27:56.933	117GR105A106A4GC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,716:62:0	
3948	97	262	17:28:27.600	117GR105A106A4GD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,717:17:0	
3949	97	262	17:28:38.266	117GR105A106A4GE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,717:33:0	
3950	97	262	17:29:08.933	117GR105A106A4GF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,717:79:0	
3951	97	262	17:29:19.600	117GR105A106A4GG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,718:04:0	
3952	97	262	17:29:50.266	117GR105A106A4GH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,718:50:0	
3953	97	262	17:30:00.933	117GR105A106A4GI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,718:66:0	
3954	97	262	17:30:31.600	117GR105A106A4GJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,719:21:0	
3955	97	262	17:30:42.266	117GR105A106A4GK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,719:37:0	
3956	97	262	17:31:12.933	117GR105A106A4GL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,719:83:0	
3957	97	262	17:31:23.600	117GR105A106A4GM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,720:08:0	
3958	97	262	17:31:54.266	117GR105A106A4GN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,720:54:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
3959	97	262	17:32:04.933	117GR105A106A4GO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,720	70:0
3960	97	262	17:32:35.600	117GR105A106A4GP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,721	25:0
3961	97	262	17:32:46.266	117GR105A106A4GQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,721	41:0
3962	97	262	17:33:16.933	117GR105A106A4GR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,721	87:0
3963	97	262	17:33:27.600	117GR105A106A4GS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,722	12:0
3964	97	262	17:33:58.266	117GR105A106A4GT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,722	58:0
3965	97	262	17:34:08.933	117GR105A106A4GU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,722	74:0
3966	97	262	17:34:39.600	117GR105A106A4GV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,723	29:0
3967	97	262	17:34:50.266	117GR105A106A4GW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,723	45:0
3968	97	262	17:35:20.933	117GR105A106A4GX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,724	00:0
3969	97	262	17:35:31.600	117GR105A106A4GY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,724	16:0
3970	97	262	17:36:02.266	117GR105A106A4GZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,724	62:0
3971	97	262	17:36:06.266		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3628.99 +/- 1	2R3	4	0	4,137,724	68:0
3972	97	262	17:36:06.266	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,724	68:0
3973	97	262	17:36:07.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3629.11 +/- 1	2R3	4	0	4,137,724	70:1
3974	97	262	17:36:12.933	117GR105A106A4HA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,724	78:0
3975	97	262	17:36:12.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3630.34 +/- 1	2R3	4	0	4,137,724	78:0
3976	97	262	17:36:14.133		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3630.40 +/- 1	2R3	4	0	4,137,724	79:8
3977	97	262	17:36:15.533		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3630.28 +/- 1	2R3	4	0	4,137,724	81:9
3978	97	262	17:36:34.266		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3625.89 +/- 1	2R3	4	0	4,137,725	19:0
3979	97	262	17:36:43.600	117GR105A106A4HB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,725	33:0
3980	97	262	17:36:54.266	117GR105A106A4HC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,725	49:0
3981	97	262	17:36:56.933	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,725	53:0
3982	97	262	17:36:56.933		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3620.58 +/- 1	2R3	4	0	4,137,725	53:0
3983	97	262	17:36:58.133		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3620.52 +/- 1	2R3	4	0	4,137,725	54:8
3984	97	262	17:37:24.933	117GR105A106A4HD	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,726	04:0
3985	97	262	17:37:35.600	117GR105A106A4HE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,726	20:0
3986	97	262	17:38:06.266	117GR105A106A4HF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,726	66:0
3987	97	262	17:38:16.933	117GR105A106A4HG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,726	82:0
3988	97	262	17:38:47.600	117GR105A106A4HH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,727	37:0
3989	97	262	17:38:58.266	117GR105A106A4HI	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,727	53:0
3990	97	262	17:39:28.933	117GR105A106A4HJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,728	08:0
3991	97	262	17:39:39.600	117GR105A106A4HK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,728	24:0
3992	97	262	17:40:10.266	117GR105A106A4HL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,728	70:0
3993	97	262	17:40:20.933	117GR105A106A4HM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,728	86:0
3994	97	262	17:40:51.600	117GR105A106A4HN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,729	41:0
3995	97	262	17:41:02.266	117GR105A106A4HO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,729	57:0
3996	97	262	17:41:32.933	117GR105A106A4HP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,730	12:0
3997	97	262	17:41:43.600	117GR105A106A4HQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,730	28:0
3998	97	262	17:42:14.266	117GR105A106A4HR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,730	74:0
3999	97	262	17:42:24.933	117GR105A106A4HS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,730	90:0
4000	97	262	17:42:55.600	117GR105A106A4HT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,731	45:0
4001	97	262	17:43:06.266	117GR105A106A4HU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,731	61:0
4002	97	262	17:43:36.933	117GR105A106A4HV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,732	16:0
4003	97	262	17:43:47.600	117GR105A106A4HW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,732	32:0
4004	97	262	17:44:18.266	117GR105A106A4HX	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,732	78:0
4005	97	262	17:44:28.933	117GR105A106A4HY	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,733	03:0
4006	97	262	17:44:59.600	117GR105A106A4HZ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,733	49:0
4007	97	262	17:45:10.266	117GR105A106A4IA	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,733	65:0
4008	97	262	17:45:40.933	117GR105A106A4IB	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,734	20:0
4009	97	262	17:45:51.600	117GR105A106A4IC	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,734	36:0
4010	97	262	17:46:22.266	117GR105A106A4ID	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,734	82:0
4011	97	262	17:46:32.933	117GR105A106A4IE	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,735	07:0
4012	97	262	17:47:03.600	117GR105A106A4IF	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,735	53:0
4013	97	262	17:47:14.266	117GR105A106A4IG	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,735	69:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4014	97	262	17:47:44.933	117GR105A106A4IH	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,736	24:0
4015	97	262	17:47:55.600	117GR105A106A4II	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,736	40:0
4016	97	262	17:48:26.266	117GR105A106A4IJ	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,736	86:0
4017	97	262	17:48:36.933	117GR105A106A4IK	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,737	11:0
4018	97	262	17:49:07.600	117GR105A106A4IL	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,737	57:0
4019	97	262	17:49:18.266	117GR105A106A4IM	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,737	73:0
4020	97	262	17:49:48.933	117GR105A106A4IN	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,738	28:0
4021	97	262	17:49:59.600	117GR105A106A4IO	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,738	44:0
4022	97	262	17:50:30.266	117GR105A106A4IP	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,738	90:0
4023	97	262	17:50:30.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3620.52 +/- 1	2R3	4	0	4,137,739	00:0
4024	97	262	17:50:30.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,739	00:0
4025	97	262	17:50:32.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3620.64 +/- 1	2R3	4	0	4,137,739	02:1
4026	97	262	17:50:37.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3621.88 +/- 1	2R3	4	0	4,137,739	10:0
4027	97	262	17:50:38.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3621.94 +/- 1	2R3	4	0	4,137,739	11:8
4028	97	262	17:50:40.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3621.82 +/- 1	2R3	4	0	4,137,739	13:9
4029	97	262	17:50:40.933	117GR105A106A4IQ	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,739	15:0
4030	97	262	17:50:58.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3617.42 +/- 1	2R3	4	0	4,137,739	42:0
4031	97	262	17:51:11.600	117GR105A106A4IR	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,739	61:0
4032	97	262	17:51:21.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,739	76:0
4033	97	262	17:51:21.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3612.11 +/- 1	2R3	4	0	4,137,739	76:0
4034	97	262	17:51:22.266	117GR105A106A4IS	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,739	77:0
4035	97	262	17:51:22.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3612.05 +/- 1	2R3	4	0	4,137,739	77:8
4036	97	262	17:51:52.933	117GR105A106A4IT	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,740	32:0
4037	97	262	17:52:03.600	117GR105A106A4IU	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,740	48:0
4038	97	262	17:52:34.266	117GR105A106A4IV	7STRP	-0.00128,-0.0087	Slew =12.01	2R3	4	0	4,137,741	03:0
4039	97	262	17:52:44.933	117GR105A106A4IW	7STRP	0.0,0.0087,0,0,0	Slew =,0.35	2R3	4	0	4,137,741	19:0
4040	97	262	17:53:15.600	117GR11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,741	65:0
4041	97	262	17:56:07.600	176GR6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,137,744	50:0
4042	97	262	17:56:09.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3612.05 +/- 1	2R3	4	0	4,137,744	53:0
4043	97	262	17:56:09.600	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,744	53:0
4044	97	262	17:56:11.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3612.17 +/- 1	2R3	4	0	4,137,744	55:1
4045	97	262	17:56:16.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3613.41 +/- 1	2R3	4	0	4,137,744	63:0
4046	97	262	17:56:17.466		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3613.47 +/- 1	2R3	4	0	4,137,744	64:8
4047	97	262	17:56:18.866		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3613.35 +/- 1	2R3	4	0	4,137,744	66:9
4048	97	262	17:56:19.600		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3613.17 +/- 1	2R3	4	0	4,137,744	68:0
4049	97	262	17:56:33.600	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,744	89:0
4050	97	262	17:56:33.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3609.89 +/- 1	2R3	4	0	4,137,744	89:0
4051	97	262	17:56:34.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3609.83 +/- 1	2R3	4	0	4,137,744	90:8
4052	97	262	18:24:52.933	165AU4A	7SCAN	NORM,46.664,16.1	Check S/P Position	2R3	4	0	4,137,772	90:0
4053	97	262	18:28:46.933	117AU	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,776	77:0
4054	97	262	18:28:46.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3609.83 +/- 1	2R3	4	0	4,137,776	77:0
4055	97	262	18:28:46.933	175AU422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,776	77:0
4056	97	262	18:28:48.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3609.95 +/- 1	2R3	4	0	4,137,776	79:1
4057	97	262	18:28:53.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3611.19 +/- 1	2R3	4	0	4,137,776	87:0
4058	97	262	18:28:54.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3611.25 +/- 1	2R3	4	0	4,137,776	88:8
4059	97	262	18:28:55.600	175AU176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R3	4	0	4,137,776	90:0
4060	97	262	18:28:56.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3611.13 +/- 1	2R3	4	0	4,137,776	90:9
4061	97	262	18:28:56.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 3611.13 +/- 1	2R3	4	0	4,137,776	90:9
4062	97	262	18:28:56.266	117AU105A106A4A	7STRP	-0.08974,0.0,0,0	Slew =,0.11	2R3	4	0	4,137,777	00:0
4063	97	262	18:43:46.266	117AU105A106A4B	7STRP	0.081178,0.0,0,0	Slew =12.01	2R3	4	0	4,137,791	61:0
4064	97	262	18:44:06.266	117AU105A106A4C	7STRP	-0.08974,0.0,0,0	Slew =,0.11	2R3	4	0	4,137,792	00:0
4065	97	262	18:58:56.266	117AU11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,806	61:0
4066	97	262	18:59:15.600	165GS4A	7SCAN	NORM,47.656,21.3	Check S/P Position	2R3	4	0	4,137,806	90:0
4067	97	262	18:59:26.266		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3182.21 +/- 1	2R3	4	0	4,137,807	15:0
4068	97	262	18:59:26.266	175AU422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,807	15:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4069	97	262	18:59:27.466		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3182.15 +/- 1	2R3	4	0	4,137,807:16:8	
4070	97	262	19:03:09.600	117GS	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,810:77:0	
4071	97	262	19:03:18.933	117GS105A106A4A	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,811:00:0	
4072	97	262	19:03:18.933	176GS6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,137,811:00:0	
4073	97	262	19:03:55.600	117GS105A106A4B	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,811:55:0	
4074	97	262	19:04:06.266	117GS105A106A4C	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,811:71:0	
4075	97	262	19:04:42.933	117GS105A106A4D	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,812:35:0	
4076	97	262	19:04:53.600	117GS105A106A4E	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,812:51:0	
4077	97	262	19:05:30.266	117GS105A106A4F	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,813:15:0	
4078	97	262	19:05:40.933	117GS105A106A4G	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,813:31:0	
4079	97	262	19:06:17.600	117GS105A106A4H	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,813:86:0	
4080	97	262	19:06:28.266	117GS105A106A4I	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,814:11:0	
4081	97	262	19:07:04.933	117GS105A106A4J	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,814:66:0	
4082	97	262	19:07:15.600	117GS105A106A4K	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,814:82:0	
4083	97	262	19:07:52.266	117GS105A106A4L	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,815:46:0	
4084	97	262	19:08:02.933	117GS105A106A4M	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,815:62:0	
4085	97	262	19:08:39.600	117GS105A106A4N	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,816:26:0	
4086	97	262	19:08:50.266	117GS105A106A4O	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,816:42:0	
4087	**97**	**262**	**19:09:26.599**	**10NNRELOAD07-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4088	97	262	19:09:26.933	117GS105A106A4P	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,817:06:0	
4089	97	262	19:09:37.600	117GS105A106A4Q	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,817:22:0	
4090	97	262	19:10:14.266	117GS105A106A4R	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,817:77:0	
4091	97	262	19:10:24.933	117GS105A106A4S	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,818:02:0	
4092	**97**	**262**	**19:10:27.600**	**20EH6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R3**	**4**	**0**	**4,137,818:06:0**	
4093	97	262	19:11:01.600	117GS105A106A4T	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,818:57:0	
4094	97	262	19:11:12.266	117GS105A106A4U	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,818:73:0	
4095	**97**	**262**	**19:11:28.266**	**20EH5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R3**	**4**	**0**	**4,137,819:06:0**	
4096	97	262	19:11:48.933	117GS105A106A4V	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,819:37:0	
4097	97	262	19:11:59.600	117GS105A106A4W	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,819:53:0	
4098	**97**	**262**	**19:12:28.933**	**20EH5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R3**	**4**	**0**	**4,137,820:06:0**	
4099	97	262	19:12:36.266	117GS105A106A4X	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,820:17:0	
4100	97	262	19:12:46.933	117GS105A106A4Y	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,820:33:0	
4101	97	262	19:13:23.600	117GS105A106A4Z	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,820:88:0	
4102	**97**	**262**	**19:13:29.600**	**20EH6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R3**	**4**	**0**	**4,137,821:06:0**	
4103	97	262	19:13:34.266	117GS105A106A4AA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,821:13:0	
4104	97	262	19:14:10.933	117GS105A106A4AB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,821:68:0	
4105	97	262	19:14:21.600	117GS105A106A4AC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,821:84:0	
4106	**97**	**262**	**19:14:30.266**	**20EH6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R3**	**4**	**0**	**4,137,822:06:0**	
4107	97	262	19:14:58.266	117GS105A106A4AD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,822:48:0	
4108	97	262	19:15:08.933	117GS105A106A4AE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,822:64:0	
4109	**97**	**262**	**19:15:30.933**	**20EH5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,137,823:06:0**	
4110	97	262	19:15:45.600	117GS105A106A4AF	7STRP	-0.0012,-0.011,0	Slew =12.01	260	4	0	4,137,823:28:0	
4111	97	262	19:15:56.266	117GS105A106A4AG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	260	4	0	4,137,823:44:0	
4112	97	262	19:16:26.266	488BJ6B	6TMSED	NORM,CL1	Sci, Eng, and D/L Chan	260	4	0	4,137,823:89:0	
4113	**97**	**262**	**19:16:31.600**	**20EH5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,137,824:06:0**	
4114	97	262	19:16:32.933	117GS105A106A4AH	7STRP	-0.0012,-0.011,0	Slew =12.01	260	4	0	4,137,824:08:0	
4115	97	262	19:16:43.600	117GS105A106A4AI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	260	4	0	4,137,824:24:0	
4116	97	262	19:17:12.933		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3182.15 +/- 1	260	4	0	4,137,824:68:0	
4117	97	262	19:17:12.933	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	260	4	0	4,137,824:68:0	
4118	97	262	19:17:14.333		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3182.27 +/- 1	260	4	0	4,137,824:70:1	
4119	97	262	19:17:19.600		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3183.50 +/- 1	260	4	0	4,137,824:78:0	
4120	97	262	19:17:20.266	117GS105A106A4AJ	7STRP	-0.0012,-0.011,0	Slew =12.01	260	4	0	4,137,824:79:0	
4121	97	262	19:17:20.800		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3183.56 +/- 1	260	4	0	4,137,824:79:8	
4122	97	262	19:17:22.200		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3183.44 +/- 1	260	4	0	4,137,824:81:9	
4123	97	262	19:17:30.933	117GS105A106A4AK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	260	4	0	4,137,825:04:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4124	**97**	**262**	**19:17:32.266**	**20EH4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,137,825:06:0**	
4125	97	262	19:17:40.933		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3179.05 +/- 1	2R0	4	0	4,137,825:19:0	
4126	97	262	19:18:03.600		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3173.74 +/- 1	2R0	4	0	4,137,825:53:0	
4127	97	262	19:18:03.600	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R0	4	0	4,137,825:53:0	
4128	97	262	19:18:04.800		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3173.68 +/- 1	2R0	4	0	4,137,825:54:8	
4129	97	262	19:18:07.600	117GS105A106A4AL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R0	4	0	4,137,825:59:0	
4130	97	262	19:18:18.266	117GS105A106A4AM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R0	4	0	4,137,825:75:0	
4131	**97**	**262**	**19:18:32.933**	**20EH4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,137,826:06:0**	
4132	97	262	19:18:54.933	117GS105A106A4AN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,826:39:0	
4133	97	262	19:19:05.600	117GS105A106A4AO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,826:55:0	
4134	**97**	**262**	**19:19:33.266**	**10NNRELOAD07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4135	97	262	19:19:42.266	117GS105A106A4AP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,827:19:0	
4136	97	262	19:19:52.933	117GS105A106A4AQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,827:35:0	
4137	97	262	19:20:29.600	117GS105A106A4AR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,827:90:0	
4138	97	262	19:20:40.266	117GS105A106A4AS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,828:15:0	
4139	97	262	19:21:16.933	117GS105A106A4AT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,828:70:0	
4140	97	262	19:21:27.600	117GS105A106A4AU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,828:86:0	
4141	97	262	19:22:04.266	117GS105A106A4AV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,829:50:0	
4142	97	262	19:22:14.933	117GS105A106A4AW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,829:66:0	
4143	97	262	19:22:51.600	117GS105A106A4AX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,830:30:0	
4144	97	262	19:23:02.266	117GS105A106A4AY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,830:46:0	
4145	97	262	19:23:38.933	117GS105A106A4AZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,831:10:0	
4146	97	262	19:23:49.600	117GS105A106A4BA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,831:26:0	
4147	97	262	19:24:26.266	117GS105A106A4BB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,831:81:0	
4148	97	262	19:24:36.933	117GS105A106A4BC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,832:06:0	
4149	97	262	19:25:13.600	117GS105A106A4BD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,832:61:0	
4150	97	262	19:25:24.266	117GS105A106A4BE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,832:77:0	
4151	97	262	19:26:00.933	117GS105A106A4BF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,833:41:0	
4152	97	262	19:26:11.533	117GS105A106A4BG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,833:57:0	
4153	97	262	19:26:48.200	117GS105A106A4BH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,834:21:0	
4154	97	262	19:26:58.866	117GS105A106A4BI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,834:37:0	
4155	97	262	19:27:35.533	117GS105A106A4BJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,835:01:0	
4156	97	262	19:27:46.200	117GS105A106A4BK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,835:17:0	
4157	97	262	19:28:22.866	117GS105A106A4BL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,835:72:0	
4158	97	262	19:28:33.533	117GS105A106A4BM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,835:88:0	
4159	97	262	19:29:10.200	117GS105A106A4BN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,836:52:0	
4160	97	262	19:29:20.866	117GS105A106A4BO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,836:68:0	
4161	97	262	19:29:57.533	117GS105A106A4BP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,837:32:0	
4162	97	262	19:30:08.200	117GS105A106A4BQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,837:48:0	
4163	97	262	19:30:44.866	117GS105A106A4BR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,838:12:0	
4164	97	262	19:30:55.533	117GS105A106A4BS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,838:28:0	
4165	97	262	19:31:32.200	117GS105A106A4BT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,838:83:0	
4166	97	262	19:31:36.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3173.68 +/- 1	2R3	4	0	4,137,838:90:0	
4167	97	262	19:31:36.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,838:90:0	
4168	97	262	19:31:38.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3173.80 +/- 1	2R3	4	0	4,137,839:01:1	
4169	97	262	19:31:42.866	117GS105A106A4BU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,839:08:0	
4170	97	262	19:31:43.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3175.03 +/- 1	2R3	4	0	4,137,839:09:0	
4171	97	262	19:31:44.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3175.09 +/- 1	2R3	4	0	4,137,839:10:8	
4172	97	262	19:31:46.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3174.97 +/- 1	2R3	4	0	4,137,839:12:9	
4173	97	262	19:32:04.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3170.58 +/- 1	2R3	4	0	4,137,839:41:0	
4174	97	262	19:32:19.533	117GS105A106A4BV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,839:63:0	
4175	97	262	19:32:27.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3165.27 +/- 1	2R3	4	0	4,137,839:75:0	
4176	97	262	19:32:27.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,839:75:0	
4177	97	262	19:32:28.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3165.21 +/- 1	2R3	4	0	4,137,839:76:8	
4178	97	262	19:32:30.200	117GS105A106A4BW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,839:79:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4179	97	262	19:33:06.866	117GS105A106A4BX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,840	43:0
4180	97	262	19:33:17.533	117GS105A106A4BY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,840	59:0
4181	97	262	19:33:54.200	117GS105A106A4BZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,841	23:0
4182	97	262	19:34:04.866	117GS105A106A4CA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,841	39:0
4183	97	262	19:34:41.533	117GS105A106A4CB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,842	03:0
4184	97	262	19:34:52.200	117GS105A106A4CC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,842	19:0
4185	97	262	19:35:28.866	117GS105A106A4CD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,842	74:0
4186	97	262	19:35:39.533	117GS105A106A4CE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,842	90:0
4187	97	262	19:36:16.200	117GS105A106A4CF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,843	54:0
4188	97	262	19:36:26.866	117GS105A106A4CG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,843	70:0
4189	97	262	19:37:03.533	117GS105A106A4CH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,844	34:0
4190	97	262	19:37:14.200	117GS105A106A4CI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,844	50:0
4191	97	262	19:37:50.866	117GS105A106A4CJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,845	14:0
4192	97	262	19:38:01.533	117GS105A106A4CK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,845	30:0
4193	97	262	19:38:38.200	117GS105A106A4CL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,845	85:0
4194	97	262	19:38:48.866	117GS105A106A4CM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,846	10:0
4195	97	262	19:39:25.533	117GS105A106A4CN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,846	65:0
4196	97	262	19:39:36.200	117GS105A106A4CO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,846	81:0
4197	97	262	19:40:12.866	117GS105A106A4CP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,847	45:0
4198	97	262	19:40:23.533	117GS105A106A4CQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,847	61:0
4199	97	262	19:41:00.200	117GS105A106A4CR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,848	25:0
4200	97	262	19:41:10.866	117GS105A106A4CS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,848	41:0
4201	97	262	19:41:47.533	117GS105A106A4CT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,849	05:0
4202	97	262	19:41:58.200	117GS105A106A4CU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,849	21:0
4203	97	262	19:42:34.866	117GS105A106A4CV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,849	76:0
4204	97	262	19:42:45.533	117GS105A106A4CW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,850	01:0
4205	97	262	19:43:22.200	117GS105A106A4CX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,850	56:0
4206	97	262	19:43:32.866	117GS105A106A4CY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,850	72:0
4207	97	262	19:44:09.533	117GS105A106A4CZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,851	36:0
4208	97	262	19:44:20.200	117GS105A106A4DA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,851	52:0
4209	97	262	19:44:56.866	117GS105A106A4DB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,852	16:0
4210	97	262	19:45:07.533	117GS105A106A4DC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,852	32:0
4211	97	262	19:45:44.200	117GS105A106A4DD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,852	87:0
4212	97	262	19:45:54.866	117GS105A106A4DE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,853	12:0
4213	97	262	19:46:01.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3165.21 +/- 1	2R3	4	0	4,137,853	22:0
4214	97	262	19:46:01.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,853	22:0
4215	97	262	19:46:02.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3165.33 +/- 1	2R3	4	0	4,137,853	24:1
4216	97	262	19:46:08.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3166.56 +/- 1	2R3	4	0	4,137,853	32:0
4217	97	262	19:46:09.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3166.62 +/- 1	2R3	4	0	4,137,853	33:8
4218	97	262	19:46:10.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3166.50 +/- 1	2R3	4	0	4,137,853	35:9
4219	97	262	19:46:29.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3162.11 +/- 1	2R3	4	0	4,137,853	64:0
4220	97	262	19:46:31.533	117GS105A106A4DF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,853	67:0
4221	97	262	19:46:42.200	117GS105A106A4DG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,853	83:0
4222	97	262	19:46:52.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3156.80 +/- 1	2R3	4	0	4,137,854	07:0
4223	97	262	19:46:52.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,854	07:0
4224	97	262	19:46:53.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3156.74 +/- 1	2R3	4	0	4,137,854	08:8
4225	97	262	19:47:18.866	117GS105A106A4DH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,854	47:0
4226	97	262	19:47:29.533	117GS105A106A4DI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,854	63:0
4227	97	262	19:48:06.200	117GS105A106A4DJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,855	27:0
4228	97	262	19:48:16.866	117GS105A106A4DK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,855	43:0
4229	97	262	19:48:53.533	117GS105A106A4DL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,856	07:0
4230	97	262	19:49:04.200	117GS105A106A4DM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,856	23:0
4231	97	262	19:49:40.866	117GS105A106A4DN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,856	78:0
4232	97	262	19:49:51.533	117GS105A106A4DO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,857	03:0
4233	97	262	19:50:28.200	117GS105A106A4DP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,857	58:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4234	97	262	19:50:38.866	117GS105A106A4DQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,857	74:0
4235	97	262	19:51:15.533	117GS105A106A4DR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,858	38:0
4236	97	262	19:51:26.200	117GS105A106A4DS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,858	54:0
4237	97	262	19:52:02.866	117GS105A106A4DT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,859	18:0
4238	97	262	19:52:13.533	117GS105A106A4DU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,859	34:0
4239	97	262	19:52:50.200	117GS105A106A4DV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,859	89:0
4240	97	262	19:53:00.866	117GS105A106A4DW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,860	14:0
4241	97	262	19:53:37.533	117GS105A106A4DX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,860	69:0
4242	97	262	19:53:48.200	117GS105A106A4DY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,860	85:0
4243	97	262	19:54:24.866	117GS105A106A4DZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,861	49:0
4244	97	262	19:54:35.533	117GS105A106A4EA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,861	65:0
4245	97	262	19:55:12.200	117GS105A106A4EB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,862	29:0
4246	97	262	19:55:22.866	117GS105A106A4EC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,862	45:0
4247	97	262	19:55:59.533	117GS105A106A4ED	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,863	09:0
4248	97	262	19:56:10.200	117GS105A106A4EE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,863	25:0
4249	97	262	19:56:46.866	117GS105A106A4EF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,863	80:0
4250	97	262	19:56:57.533	117GS105A106A4EG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,864	05:0
4251	97	262	19:57:34.200	117GS105A106A4EH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,864	60:0
4252	97	262	19:57:44.866	117GS105A106A4EI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,864	76:0
4253	97	262	19:58:21.533	117GS105A106A4EJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,865	40:0
4254	97	262	19:58:32.200	117GS105A106A4EK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,865	56:0
4255	97	262	19:59:08.866	117GS105A106A4EL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,866	20:0
4256	97	262	19:59:19.533	117GS105A106A4EM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,866	36:0
4257	97	262	19:59:56.200	117GS105A106A4EN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,867	00:0
4258	97	262	20:00:06.866	117GS105A106A4EO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,867	16:0
4259	97	262	20:00:26.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,867	45:0
4260	97	262	20:00:26.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3156.74 +/- 1	2R3	4	0	4,137,867	45:0
4261	97	262	20:00:27.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3156.86 +/- 1	2R3	4	0	4,137,867	47:1
4262	97	262	20:00:32.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3158.09 +/- 1	2R3	4	0	4,137,867	55:0
4263	97	262	20:00:34.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3158.15 +/- 1	2R3	4	0	4,137,867	56:8
4264	97	262	20:00:35.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3158.03 +/- 1	2R3	4	0	4,137,867	58:9
4265	97	262	20:00:43.533	117GS105A106A4EP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,867	71:0
4266	97	262	20:00:54.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3153.64 +/- 1	2R3	4	0	4,137,867	87:0
4267	97	262	20:00:54.200	117GS105A106A4EQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,867	87:0
4268	97	262	20:01:16.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3148.33 +/- 1	2R3	4	0	4,137,868	30:0
4269	97	262	20:01:16.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,868	30:0
4270	97	262	20:01:18.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3148.27 +/- 1	2R3	4	0	4,137,868	31:8
4271	97	262	20:01:30.866	117GS105A106A4ER	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,868	51:0
4272	97	262	20:01:41.533	117GS105A106A4ES	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,868	67:0
4273	97	262	20:02:18.200	117GS105A106A4ET	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,869	31:0
4274	97	262	20:02:28.866	117GS105A106A4EU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,869	47:0
4275	97	262	20:03:05.533	117GS105A106A4EV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,870	11:0
4276	97	262	20:03:16.200	117GS105A106A4EW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,870	27:0
4277	97	262	20:03:52.866	117GS105A106A4EX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,870	82:0
4278	97	262	20:04:03.533	117GS105A106A4EY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,871	07:0
4279	97	262	20:04:40.200	117GS105A106A4EZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,871	62:0
4280	97	262	20:04:50.866	117GS105A106A4FA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,871	78:0
4281	97	262	20:05:27.533	117GS105A106A4FB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,872	42:0
4282	97	262	20:05:38.200	117GS105A106A4FC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,872	58:0
4283	97	262	20:06:14.866	117GS105A106A4FD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,873	22:0
4284	97	262	20:06:25.533	117GS105A106A4FE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,873	38:0
4285	97	262	20:07:02.200	117GS105A106A4FF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,874	02:0
4286	97	262	20:07:12.866	117GS105A106A4FG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,874	18:0
4287	97	262	20:07:49.533	117GS105A106A4FH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,874	73:0
4288	97	262	20:08:00.200	117GS105A106A4FI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,874	89:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4289	97	262	20:08:36.866	117GS105A106A4FJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,875	53:0
4290	97	262	20:08:47.533	117GS105A106A4FK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,875	69:0
4291	97	262	20:09:24.200	117GS105A106A4FL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,876	33:0
4292	97	262	20:09:34.866	117GS105A106A4FM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,876	49:0
4293	97	262	20:10:11.533	117GS105A106A4FN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,877	13:0
4294	97	262	20:10:22.200	117GS105A106A4FO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,877	29:0
4295	97	262	20:10:58.866	117GS105A106A4FP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,877	84:0
4296	97	262	20:11:09.533	117GS105A106A4FQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,878	09:0
4297	97	262	20:11:46.200	117GS105A106A4FR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,878	64:0
4298	97	262	20:11:56.866	117GS105A106A4FS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,878	80:0
4299	97	262	20:12:33.533	117GS105A106A4FT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,879	44:0
4300	97	262	20:12:44.200	117GS105A106A4FU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,879	60:0
4301	97	262	20:13:20.866	117GS105A106A4FV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,880	24:0
4302	97	262	20:13:31.533	117GS105A106A4FW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,880	40:0
4303	97	262	20:14:08.200	117GS105A106A4FX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,881	04:0
4304	97	262	20:14:18.866	117GS105A106A4FY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,881	20:0
4305	97	262	20:14:50.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,881	68:0
4306	97	262	20:14:50.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3148.27 +/- 1	2R3	4	0	4,137,881	68:0
4307	97	262	20:14:52.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3148.39 +/- 1	2R3	4	0	4,137,881	70:1
4308	97	262	20:14:55.533	117GS105A106A4FZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,881	75:0
4309	97	262	20:14:57.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3149.63 +/- 1	2R3	4	0	4,137,881	78:0
4310	97	262	20:14:58.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3149.69 +/- 1	2R3	4	0	4,137,881	79:8
4311	97	262	20:15:00.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3149.57 +/- 1	2R3	4	0	4,137,881	81:9
4312	97	262	20:15:06.200	117GS105A106A4GA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,882	00:0
4313	97	262	20:15:18.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3145.17 +/- 1	2R3	4	0	4,137,882	19:0
4314	97	262	20:15:41.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3139.86 +/- 1	2R3	4	0	4,137,882	53:0
4315	97	262	20:15:41.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,882	53:0
4316	97	262	20:15:42.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3139.80 +/- 1	2R3	4	0	4,137,882	54:8
4317	97	262	20:15:42.866	117GS105A106A4GB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,882	55:0
4318	97	262	20:15:53.533	117GS105A106A4GC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,882	71:0
4319	97	262	20:16:30.200	117GS105A106A4GD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,883	35:0
4320	97	262	20:16:40.866	117GS105A106A4GE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,883	51:0
4321	97	262	20:17:17.533	117GS105A106A4GF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,884	15:0
4322	97	262	20:17:28.200	117GS105A106A4GG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,884	31:0
4323	97	262	20:18:04.866	117GS105A106A4GH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,884	86:0
4324	97	262	20:18:15.533	117GS105A106A4GI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,885	11:0
4325	97	262	20:18:52.200	117GS105A106A4GJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,885	66:0
4326	97	262	20:19:02.866	117GS105A106A4GK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,885	82:0
4327	97	262	20:19:39.533	117GS105A106A4GL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,886	46:0
4328	97	262	20:19:50.200	117GS105A106A4GM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,886	62:0
4329	97	262	20:20:26.866	117GS105A106A4GN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,887	26:0
4330	97	262	20:20:37.533	117GS105A106A4GO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,887	42:0
4331	97	262	20:21:14.200	117GS105A106A4GP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,888	06:0
4332	97	262	20:21:24.866	117GS105A106A4GQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,888	22:0
4333	97	262	20:22:01.533	117GS105A106A4GR	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,888	77:0
4334	97	262	20:22:12.200	117GS105A106A4GS	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,889	02:0
4335	97	262	20:22:48.866	117GS105A106A4GT	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,889	57:0
4336	97	262	20:22:59.533	117GS105A106A4GU	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,889	73:0
4337	97	262	20:23:36.200	117GS105A106A4GV	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,890	37:0
4338	97	262	20:23:46.866	117GS105A106A4GW	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,890	53:0
4339	97	262	20:24:23.533	117GS105A106A4GX	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,891	17:0
4340	97	262	20:24:34.200	117GS105A106A4GY	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,891	33:0
4341	97	262	20:25:10.866	117GS105A106A4GZ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,891	88:0
4342	97	262	20:25:21.533	117GS105A106A4HA	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,892	13:0
4343	97	262	20:25:58.200	117GS105A106A4HB	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,892	68:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4344	97	262	20:26:08.866	117GS105A106A4HC	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,892	84:0
4345	97	262	20:26:45.533	117GS105A106A4HD	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,893	48:0
4346	97	262	20:26:56.200	117GS105A106A4HE	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,893	64:0
4347	97	262	20:27:32.866	117GS105A106A4HF	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,894	28:0
4348	97	262	20:27:43.533	117GS105A106A4HG	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,894	44:0
4349	97	262	20:28:20.200	117GS105A106A4HH	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,895	08:0
4350	97	262	20:28:30.866	117GS105A106A4HI	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,895	24:0
4351	97	262	20:29:07.533	117GS105A106A4HJ	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,895	79:0
4352	97	262	20:29:15.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,896	00:0
4353	97	262	20:29:15.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3139.80 +/- 1	2R3	4	0	4,137,896	00:0
4354	97	262	20:29:16.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3139.92 +/- 1	2R3	4	0	4,137,896	02:1
4355	97	262	20:29:18.200	117GS105A106A4HK	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,896	04:0
4356	97	262	20:29:22.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3141.16 +/- 1	2R3	4	0	4,137,896	10:0
4357	97	262	20:29:23.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3141.22 +/- 1	2R3	4	0	4,137,896	11:8
4358	97	262	20:29:24.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3141.10 +/- 1	2R3	4	0	4,137,896	13:9
4359	97	262	20:29:43.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3136.71 +/- 1	2R3	4	0	4,137,896	42:0
4360	97	262	20:29:54.866	117GS105A106A4HL	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,896	59:0
4361	97	262	20:30:05.533	117GS105A106A4HM	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,896	75:0
4362	97	262	20:30:06.200	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,896	76:0
4363	97	262	20:30:06.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3131.39 +/- 1	2R3	4	0	4,137,896	76:0
4364	97	262	20:30:07.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3131.33 +/- 1	2R3	4	0	4,137,896	77:8
4365	97	262	20:30:42.200	117GS105A106A4HN	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,897	39:0
4366	97	262	20:30:52.866	117GS105A106A4HO	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,897	55:0
4367	97	262	20:31:29.533	117GS105A106A4HP	7STRP	-0.0012,-0.011,0	Slew =12.01	2R3	4	0	4,137,898	19:0
4368	97	262	20:31:40.200	117GS105A106A4HQ	7STRP	0.0,0.011,0,0,0,	Slew =,0.35	2R3	4	0	4,137,898	35:0
4369	97	262	20:32:16.866	117GS11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,898	90:0
4370	97	262	20:34:57.533	176GS6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,137,901	58:0
4371	97	262	20:34:59.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3131.33 +/- 1	2R3	4	0	4,137,901	61:0
4372	97	262	20:34:59.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,901	61:0
4373	97	262	20:35:00.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3131.45 +/- 1	2R3	4	0	4,137,901	63:1
4374	97	262	20:35:06.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3132.69 +/- 1	2R3	4	0	4,137,901	71:0
4375	97	262	20:35:07.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *3132.75 +/- 1	2R3	4	0	4,137,901	72:8
4376	97	262	20:35:08.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *3132.63 +/- 1	2R3	4	0	4,137,901	74:9
4377	97	262	20:35:09.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *3132.46 +/- 1	2R3	4	0	4,137,901	76:0
4378	97	262	20:35:23.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,902	06:0
4379	97	262	20:35:23.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *3129.17 +/- 1	2R3	4	0	4,137,902	06:0
4380	97	262	20:35:24.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3129.11 +/- 1	2R3	4	0	4,137,902	07:8
4381	97	262	20:39:21.533	165IW4A	7SCAN	NORM,31.635,14.4	Check S/P Position	2R3	4	0	4,137,905	90:0
4382	97	262	20:43:18.866	118IW	**SMOS**	GS		2R3	4	0	4,137,909	82:0
4383	97	262	20:43:23.533	165IW4B	7VECT		Inert vect update UTC	2R3	4	0	4,137,909	89:0
4384	97	262	20:43:28.866	118IW110A111A4A	7STRP	0.0026,0.0,92,0,	Slew =,3.01	2R3	4	0	4,137,910	06:0
4385	97	262	20:44:16.866	175IX422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,137,910	78:0
4386	97	262	20:44:16.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3129.11 +/- 1	2R3	4	0	4,137,910	78:0
4387	97	262	20:44:18.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3129.23 +/- 1	2R3	4	0	4,137,910	80:1
4388	97	262	20:44:23.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3130.47 +/- 1	2R3	4	0	4,137,910	88:0
4389	97	262	20:44:24.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3130.53 +/- 1	2R3	4	0	4,137,910	89:8
4390	97	262	20:44:28.200	175IX176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	4,137,911	04:0
4391	97	262	20:44:28.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3124.23 +/- 1	2R3	4	0	4,137,911	04:8
4392	97	262	20:44:28.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3124.23 +/- 1	2R3	4	0	4,137,911	04:8
4393	97	262	20:44:30.200	118IW11A	**SMOS**	GE		2R3	4	0	4,137,911	07:0
4394	97	262	20:44:56.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *3027.67 +/- 1	2R3	4	0	4,137,911	46:0
4395	97	262	20:44:56.200	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,911	46:0
4396	97	262	20:44:57.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *3026.67 +/- 1	2R3	4	0	4,137,911	47:8
4397	97	262	20:48:32.200	118IX	**SMOS**	GS		2R3	4	0	4,137,915	06:0
4398	97	262	20:49:02.200	118IX110A111A4A	7STRP	-0.0026,0.0,92,0	Slew =,3.01	2R3	4	0	4,137,915	51:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4399	97	262	20:49:50.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 3026.67 +/- 1	2R3	4	0	4,137,916:33:0	
4400	97	262	20:49:50.866	175IY422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,137,916:33:0	
4401	97	262	20:49:52.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *3026.79 +/- 1	2R3	4	0	4,137,916:35:1	
4402	97	262	20:49:57.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *3028.02 +/- 1	2R3	4	0	4,137,916:43:0	
4403	97	262	20:49:58.733		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *3028.08 +/- 1	2R3	4	0	4,137,916:44:8	
4404	97	262	20:50:02.200	175IY176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	4,137,916:50:0	
4405	97	262	20:50:02.733		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 3021.78 +/- 1	2R3	4	0	4,137,916:50:8	
4406	97	262	20:50:02.733		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *3021.78 +/- 1	2R3	4	0	4,137,916:50:8	
4407	97	262	20:50:03.533	118IX11A	**SMOS**	GE		2R3	4	0	4,137,916:52:0	
4408	97	262	20:50:30.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2925.22 +/- 1	2R3	4	0	4,137,917:01:0	
4409	97	262	20:50:30.200	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,917:01:0	
4410	97	262	20:50:31.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2924.22 +/- 1	2R3	4	0	4,137,917:02:8	
4411	**97**	**262**	**20:52:34.599**	**10JNFEA09901-**		**-----START------**		**2R3**	**4**	**0**	**: :**	
4412	97	262	20:53:30.866	165FJ4A	7SCAN	NORM,54.885,24.7	Check S/P Position	2R3	4	0	4,137,919:90:0	
4413	**97**	**262**	**20:56:28.866**	**127FJ4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,137,922:84:0**	
4414	97	262	20:56:28.866	127FJ	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,137,922:84:0	
4415	**97**	**262**	**20:56:29.533**	**127FJ4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,137,922:85:0**	
4416	97	262	20:56:37.533	127FJ11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,137,923:06:0	
4417	97	262	20:57:22.200	175FJ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,923:73:0	
4418	97	262	20:57:22.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2924.22 +/- 1	2R5	4	1	4,137,923:73:0	
4419	97	262	20:57:23.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2924.34 +/- 1	2R5	4	1	4,137,923:75:1	
4420	97	262	20:57:24.866	117FJ	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,923:77:0	
4421	97	262	20:57:28.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2925.57 +/- 1	2R5	4	1	4,137,923:83:0	
4422	97	262	20:57:30.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2925.63 +/- 1	2R5	4	1	4,137,923:84:8	
4423	97	262	20:57:30.866	175FJ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,923:86:0	
4424	97	262	20:57:31.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2925.51 +/- 1	2R5	4	1	4,137,923:86:9	
4425	97	262	20:57:31.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2925.51 +/- 1	2R5	4	1	4,137,923:86:9	
4426	97	262	20:57:34.200	117FJ105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,924:00:0	
4427	**97**	**262**	**20:57:34.200**	**10JNFEA09901-**	**NIMPBK**	**301FB**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**	
4428	97	262	20:59:14.200	117FJ105A106A4B	7STRP	-0.011,0.008,0,0	Slew =12.01	2R5	4	1	4,137,925:59:0	
4429	97	262	20:59:27.533	117FJ105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,925:79:0	
4430	**97**	**262**	**21:01:07.533**	**10JNFEA09901-**	**DESELC**	**300FB**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**	
4431	97	262	21:01:07.533	117FJ11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,927:47:0	
4432	97	262	21:01:19.533	175FJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,927:65:0	
4433	97	262	21:01:19.533	175FJ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,927:65:0	
4434	97	262	21:01:19.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2872.06 +/- 1	2R5	4	1	4,137,927:65:0	
4435	97	262	21:01:20.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2872.00 +/- 1	2R5	4	1	4,137,927:66:8	
4436	**97**	**262**	**21:01:40.599**	**10JNFEA09901-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4437	97	262	21:11:43.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2872.00 +/- 1	2R5	4	1	4,137,938:00:0	
4438	97	262	21:11:43.533	411JD6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,938:00:0	
4439	97	262	21:11:44.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2872.12 +/- 1	2R5	4	1	4,137,938:02:1	
4440	97	262	21:11:50.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2873.35 +/- 1	2R5	4	1	4,137,938:10:0	
4441	97	262	21:11:51.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2873.41 +/- 1	2R5	4	1	4,137,938:11:8	
4442	97	262	21:11:52.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2873.29 +/- 1	2R5	4	1	4,137,938:13:9	
4443	97	262	21:11:52.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2873.29 +/- 1	2R5	4	1	4,137,938:13:9	
4444	97	262	21:11:53.533	411JD6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	2R5	4	1	4,137,938:15:0	
4445	97	262	21:13:54.866	411JD6C	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,940:15:0	
4446	97	262	21:13:56.200	175TN176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	2R5	4	1	4,137,940:17:0	
4447	97	262	21:13:56.866	175TN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,940:18:0	
4448	97	262	21:14:03.533	175TN422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,940:28:0	
4449	97	262	21:14:03.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2842.65 +/- 1	2R5	4	1	4,137,940:28:0	
4450	97	262	21:14:04.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2842.59 +/- 1	2R5	4	1	4,137,940:29:8	
4451	97	262	21:30:00.200	488BJ6C	6TMSED	NORM,EL1	Sci, Eng, and D/L Chan	2R5	4	1	4,137,956:07:0	
4452	**97**	**262**	**21:30:59.933**	**10JNFEA09902-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4453	97	262	21:36:59.533	165FL4A	7SCAN	NORM,55.928,24.9	Check S/P Position	2R5	4	1	4,137,962:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4454	97	262	21:37:48.866	175FL422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,963:73:0
4455	97	262	21:37:48.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2842.59 +/- 1	2R5	4	1	4,137,963:73:0
4456	97	262	21:37:50.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2842.71 +/- 1	2R5	4	1	4,137,963:75:1
4457	97	262	21:37:51.533	117FL	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,963:77:0
4458	97	262	21:37:55.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2843.95 +/- 1	2R5	4	1	4,137,963:83:0
4459	97	262	21:37:56.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2844.01 +/- 1	2R5	4	1	4,137,963:84:8
4460	97	262	21:37:57.533	175FL176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,963:86:0
4461	97	262	21:37:58.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2843.89 +/- 1	2R5	4	1	4,137,963:86:9
4462	97	262	21:37:58.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2843.89 +/- 1	2R5	4	1	4,137,963:86:9
4463	**97**	**262**	**21:38:00.866**	**10JNFEA09902-**	**NIMPBK**	**301FD**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**
4464	97	262	21:38:00.866	117FL105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,964:00:0
4465	97	262	21:39:40.866	117FL105A106A4B	7STRP	-0.011501,0.008,	Slew =12.01	2R5	4	1	4,137,965:59:0
4466	97	262	21:39:54.200	117FL105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,965:79:0
4467	**97**	**262**	**21:41:34.200**	**10JNFEA09902-**	**DESELC**	**300FD**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**
4468	97	262	21:41:34.200	117FL11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,967:47:0
4469	97	262	21:41:46.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2790.43 +/- 1	2R5	4	1	4,137,967:65:0
4470	97	262	21:41:46.200	175FL6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,967:65:0
4471	97	262	21:41:46.200	175FL422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,967:65:0
4472	97	262	21:41:47.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2790.37 +/- 1	2R5	4	1	4,137,967:66:8
4473	**97**	**262**	**21:42:07.266**	**10JNFEA09902-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
4474	**97**	**262**	**21:43:07.933**	**10NNRELOAD08-**		**-----START------**		**2R5**	**4**	**1**	**: :**
4475	**97**	**262**	**21:44:08.866**	**20EI6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**2R5**	**4**	**1**	**4,137,970:06:0**
4476	**97**	**262**	**21:45:09.533**	**20EI5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**2R5**	**4**	**1**	**4,137,971:06:0**
4477	**97**	**262**	**21:46:10.200**	**20EI5B**	**37MRL**		**Memory Realocate (software operates from R**	**2R5**	**4**	**1**	**4,137,972:06:0**
4478	**97**	**262**	**21:47:10.866**	**20EI6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**2R5**	**4**	**1**	**4,137,973:06:0**
4479	**97**	**262**	**21:48:11.533**	**20EI6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**2R5**	**4**	**1**	**4,137,974:06:0**
4480	**97**	**262**	**21:49:12.200**	**20EI5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,137,975:06:0**
4481	**97**	**262**	**21:50:12.866**	**20EI5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,137,976:06:0**
4482	**97**	**262**	**21:51:13.533**	**20EI4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,137,977:06:0**
4483	**97**	**262**	**21:52:14.200**	**20EI4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,137,978:06:0**
4484	**97**	**262**	**21:53:14.599**	**10NNRELOAD08-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
4485	**97**	**262**	**21:54:15.266**	**10INCHEMIS07-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4486	97	262	21:55:11.533	165FI4A	7SCAN	NORM,34.63,15.62	Check S/P Position	2R3	4	0	4,137,980:90:0
4487	97	262	21:56:08.200	127FI	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,137,981:84:0
4488	**97**	**262**	**21:56:08.866**	**127FI4A**	**37ETB**	**07,C7,02,25,80,0**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,137,981:85:0**
4489	97	262	21:56:16.866	127FI11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,137,982:06:0
4490	97	262	21:57:01.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2790.37 +/- 1	2R3	4	0	4,137,982:73:0
4491	97	262	21:57:01.533	175FI422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,137,982:73:0
4492	97	262	21:57:02.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2790.49 +/- 1	2R3	4	0	4,137,982:75:1
4493	97	262	21:57:04.200	117FI	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,137,982:77:0
4494	97	262	21:57:08.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2791.73 +/- 1	2R3	4	0	4,137,982:83:0
4495	97	262	21:57:09.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2791.79 +/- 1	2R3	4	0	4,137,982:84:8
4496	97	262	21:57:10.200	175FI176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R3	4	0	4,137,982:86:0
4497	97	262	21:57:10.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2791.67 +/- 1	2R3	4	0	4,137,982:86:9
4498	97	262	21:57:10.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2791.67 +/- 1	2R3	4	0	4,137,982:86:9
4499	97	262	21:57:12.200	165FI4B	7VECT		Inert vect update UTC	2R3	4	0	4,137,982:89:0
4500	97	262	21:57:13.533	117FI105A106A4A	7STRP	0.0025,0.0,0,0,0	Slew =,0.03	2R3	4	0	4,137,983:00:0
4501	**97**	**262**	**21:57:13.533**	**10INCHEMIS07-**	**NIMPBK**	**301FE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
4502	97	262	21:58:40.200	117FI11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,137,984:39:0
4503	**97**	**262**	**21:58:40.200**	**10INCHEMIS07-**	**DESELC**	**300FE**	**MONITORING OF IO'S DAYSIDE**	**2R3**	**4**	**0**	**: :**
4504	97	262	21:58:52.200	175FI422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,984:57:0
4505	97	262	21:58:52.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2767.90 +/- 1	2R3	4	0	4,137,984:57:0
4506	97	262	21:58:52.200	175FI6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,137,984:57:0
4507	97	262	21:58:53.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2767.84 +/- 1	2R3	4	0	4,137,984:58:8
4508	**97**	**262**	**22:00:52.599**	**10INCHEMIS07-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4509	97	262	22:01:15.533	165IY4A	7SCAN	NORM,34.759,15.5	Check S/P Position	2R3	4	0	4,137,986:90:0
4510	97	262	22:04:16.866	165IY4B	7VECT		Inert vect update UTC	2R3	4	0	4,137,989:89:0
4511	97	262	22:04:22.200	118IY	**SMOS**	GS		2R3	4	0	4,137,990:06:0
4512	97	262	22:04:46.866	118IY110A111A4A	7STRP	-0.0039,0.0,92,0	Slew =,3.01	2R3	4	0	4,137,990:43:0
4513	97	262	22:05:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2767.84 +/- 1	2R3	4	0	4,137,990:78:0
4514	97	262	22:05:10.200	175IZ422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	2R3	4	0	4,137,990:78:0
4515	97	262	22:05:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2767.96 +/- 1	2R3	4	0	4,137,990:80:1
4516	97	262	22:05:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2769.20 +/- 1	2R3	4	0	4,137,990:88:0
4517	97	262	22:05:17.533	118IY11A	**SMOS**	GE		2R3	4	0	4,137,990:89:0
4518	97	262	22:05:18.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2769.26 +/- 1	2R3	4	0	4,137,990:89:8
4519	97	262	22:05:21.533	175IZ176A6A	6TMREC	HMA	115.2 KBPS IMAGE(1-400)RECORD Record Mode	2R3	4	0	4,137,991:04:0
4520	97	262	22:05:22.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2762.96 +/- 1	2R3	4	0	4,137,991:04:8
4521	97	262	22:05:22.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2762.96 +/- 1	2R3	4	0	4,137,991:04:8
4522	**97**	**262**	**22:05:22.599**	**10JNFEA09903-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4523	97	262	22:05:50.200	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,137,991:47:0
4524	97	262	22:05:50.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2664.05 +/- 1	2R3	4	0	4,137,991:47:0
4525	97	262	22:05:51.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2663.05 +/- 1	2R3	4	0	4,137,991:48:8
4526	97	262	22:06:18.866	165FM4A	7SCAN	NORM,56.618,25.0	Check S/P Position	2R3	4	0	4,137,991:90:0
4527	97	262	22:09:16.866	127FM	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,137,994:84:0
4528	**97**	**262**	**22:09:16.866**	**127FM4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,137,994:84:0**
4529	**97**	**262**	**22:09:17.533**	**127FM4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,137,994:85:0**
4530	97	262	22:09:25.533	127FM11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,137,995:06:0
4531	97	262	22:10:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2663.05 +/- 1	2R5	4	1	4,137,995:73:0
4532	97	262	22:10:10.200	175FM422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,137,995:73:0
4533	97	262	22:10:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2663.17 +/- 1	2R5	4	1	4,137,995:75:1
4534	97	262	22:10:12.866	117FM	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,137,995:77:0
4535	97	262	22:10:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2664.41 +/- 1	2R5	4	1	4,137,995:83:0
4536	97	262	22:10:18.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2664.47 +/- 1	2R5	4	1	4,137,995:84:8
4537	97	262	22:10:18.866	175FM176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,137,995:86:0
4538	97	262	22:10:19.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2664.35 +/- 1	2R5	4	1	4,137,995:86:9
4539	97	262	22:10:19.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2664.35 +/- 1	2R5	4	1	4,137,995:86:9
4540	97	262	22:10:22.200	117FM105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,996:00:0
4541	**97**	**262**	**22:10:22.200**	**10JNFEA09903-**	**NIMPBK**	**301FF**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**
4542	97	262	22:12:02.200	117FM105A106A4B	7STRP	-0.011,0.008,0,0	Slew =12.01	2R5	4	1	4,137,997:59:0
4543	97	262	22:12:15.533	117FM105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,137,997:79:0
4544	97	262	22:13:55.533	117FM11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,137,999:47:0
4545	**97**	**262**	**22:13:55.533**	**10JNFEA09903-**	**DESELC**	**300FF**	**JUPITER FEATURE TRACK 99 DEG PHA**	**2R5**	**4**	**1**	**: :**
4546	97	262	22:14:14.866	175FM422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,137,999:76:0
4547	97	262	22:14:14.866	175FM6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,137,999:76:0
4548	97	262	22:14:14.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2609.17 +/- 1	2R5	4	1	4,137,999:76:0
4549	97	262	22:14:16.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2609.11 +/- 1	2R5	4	1	4,137,999:77:8
4550	**97**	**262**	**22:14:28.599**	**10JNFEA09903-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
4551	97	262	22:17:26.200	165CR4A	7SCAN	NORM,35.575,15.9	Check S/P Position	2R5	4	1	4,138,002:90:0
4552	97	262	22:21:28.200	165CR4B	7VECT		Inert vect update UTC	2R5	4	1	4,138,006:89:0
4553	**97**	**262**	**22:27:37.266**	**10NNHEALTH05-**		**-----START------**		**2R5**	**4**	**1**	**: :**
4554	**97**	**262**	**22:28:29.533**	**127KE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,138,013:84:0**
4555	97	262	22:28:29.533	127KE	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,138,013:84:0
4556	**97**	**262**	**22:28:30.200**	**127KE4B**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,138,013:85:0**
4557	97	262	22:28:38.200	127KE11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,138,014:06:0
4558	**97**	**262**	**22:28:54.200**	**432DI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,138,014:30:0**
4559	**97**	**262**	**22:29:53.533**	**432DJ6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,138,015:28:0**
4560	**97**	**262**	**22:32:40.599**	**10NNHEALTH05-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
4561	97	262	22:50:48.200	165FN4A	7SCAN	NORM,57.463,25.0	Check S/P Position	2R3	4	0	4,138,035:90:0
4562	**97**	**262**	**22:50:52.599**	**10JNFEA53M01-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4563	97	262	22:52:45.533	125FN	NIMSINIT	GS	##### GROUP START INIT	2R3	4	0	4,138,037:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4564	97	262	22:52:45.533	125FN11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,138,037:84:0	
4565	**97**	**262**	**22:52:45.533**	**125FN4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,138,037:84:0**	
4566	97	262	22:53:46.200	127FN	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,138,038:84:0	
4567	**97**	**262**	**22:53:46.866**	**127FN4A**	**37ETB**		**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,138,038:85:0**	
4568	97	262	22:53:54.866	127FN11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,138,039:06:0	
4569	97	262	22:54:39.533	175FN422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,039:73:0	
4570	97	262	22:54:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2609.11 +/- 1	4R3	4	0	4,138,039:73:0	
4571	97	262	22:54:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2609.23 +/- 1	4R3	4	0	4,138,039:75:1	
4572	97	262	22:54:42.200	117FN	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,138,039:77:0	
4573	97	262	22:54:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2610.47 +/- 1	4R3	4	0	4,138,039:83:0	
4574	97	262	22:54:47.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2610.53 +/- 2	4R3	4	0	4,138,039:84:8	
4575	97	262	22:54:48.200	175FN176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,138,039:86:0	
4576	97	262	22:54:48.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2610.41 +/- 2	4R3	4	0	4,138,039:86:9	
4577	97	262	22:54:48.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2610.41 +/- 2	4R3	4	0	4,138,039:86:9	
4578	97	262	22:54:51.533	117FN105A106A4A	7STRP	0.014351,0.0,0,0	Slew =,0.02	4R3	4	0	4,138,040:00:0	
4579	**97**	**262**	**22:54:51.533**	**10JNFEA53M01-**	**NIMPBK**	**301FG**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
4580	97	262	23:06:51.533	117FN105A106A4B	7STRP	-0.016501,0.0,0,	Slew =12.01	4R3	4	0	4,138,051:79:0	
4581	**97**	**262**	**23:07:42.866**	**10JNFEA53M01-**	**NIMPBK**	**301EH**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
4582	**97**	**262**	**23:07:51.533**	**10JNFEA53M01-**	**DESELC**	**300FG**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
4583	97	262	23:08:51.533	117FN105A106A4C	7STRP	0.014351,0.0,0,0	Slew =,0.02	4R3	4	0	4,138,053:77:0	
4584	**97**	**262**	**23:20:48.200**	**10JNFEA53M01-**	**DESELC**	**300EH**	**JUPITER CAMPAIGN FEATURE 5 AND 3**	**4R3**	**4**	**0**	**: :**	
4585	97	262	23:20:51.533	117FN11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,138,065:65:0	
4586	97	262	23:20:58.200	175FN422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,065:75:0	
4587	97	262	23:20:58.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *2242.58 +/- 2	4R3	4	0	4,138,065:75:0	
4588	97	262	23:20:58.200	175FN6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,138,065:75:0	
4589	97	262	23:20:59.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2242.52 +/- 2	4R3	4	0	4,138,065:76:8	
4590	**97**	**262**	**23:21:12.599**	**10JNFEA53M01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**	
4591	97	262	23:24:10.200	165IZ4A	7SCAN	NORM,56.595,24.7	Check S/P Position	4R3	4	0	4,138,068:90:0	
4592	97	262	23:26:10.866	165IZ4B	7VECT		Inert vect update UTC	4R3	4	0	4,138,070:89:0	
4593	97	262	23:27:08.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2242.52 +/- 2	4R3	4	0	4,138,071:84:0	
4594	97	262	23:27:08.200	175JA422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	4R3	4	0	4,138,071:84:0	
4595	97	262	23:27:09.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2242.64 +/- 2	4R3	4	0	4,138,071:86:1	
4596	97	262	23:27:14.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2243.87 +/- 2	4R3	4	0	4,138,072:03:0	
4597	97	262	23:27:16.066		DMS:	: *RUNUP	R115, TRACK *4, *REV, TIC *2243.93 +/- 2	4R3	4	0	4,138,072:04:8	
4598	97	262	23:27:19.533	175JA176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	4R3	4	0	4,138,072:10:0	
4599	97	262	23:27:20.066		DMS:	: *AT_SPD	R115, TRACK 4, REV, TIC 2237.63 +/- 2	4R3	4	0	4,138,072:10:8	
4600	97	262	23:27:20.066		DMS:	**: *RECORD**	R115, TRACK 4, REV, TIC *2237.63 +/- 2	4R3	4	0	4,138,072:10:8	
4601	97	262	23:28:14.200	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,073:01:0	
4602	97	262	23:28:14.200		DMS:	**: *RUNDOWN**	R115, TRACK 4, REV, TIC *2047.32 +/- 2	4R3	4	0	4,138,073:01:0	
4603	97	262	23:28:15.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *2046.32 +/- 2	4R3	4	0	4,138,073:02:8	
4604	**97**	**262**	**23:31:19.266**	**10JNNPAURN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**	
4605	97	262	23:32:11.533	127FO	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,138,076:84:0	
4606	**97**	**262**	**23:32:12.200**	**127FO4A**	**37ETB**	**0A,CA,16,07,FE,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,138,076:85:0**	
4607	97	262	23:32:15.533	165FO4A	7SCAN	NORM,58.338,25.2	Check S/P Position	4R3	4	0	4,138,076:90:0	
4608	97	262	23:32:20.200	127FO11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,138,077:06:0	
4609	97	262	23:33:04.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 2046.32 +/- 2	4R3	4	0	4,138,077:73:0	
4610	97	262	23:33:04.866	175FO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,077:73:0	
4611	97	262	23:33:06.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *2046.44 +/- 2	4R3	4	0	4,138,077:75:1	
4612	97	262	23:33:07.533	117FO	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,138,077:77:0	
4613	97	262	23:33:11.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *2047.68 +/- 2	4R3	4	0	4,138,077:83:0	
4614	97	262	23:33:12.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *2047.74 +/- 2	4R3	4	0	4,138,077:84:8	
4615	97	262	23:33:13.533	175FO176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,138,077:86:0	
4616	97	262	23:33:14.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 2047.62 +/- 2	4R3	4	0	4,138,077:86:9	
4617	97	262	23:33:14.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *2047.62 +/- 2	4R3	4	0	4,138,077:86:9	
4618	**97**	**262**	**23:33:16.866**	**10JNNPAURN01-**	**NIMPBK**	**301FH**	**JUP NORTH POLE AURORA NITE TIME**	**4R3**	**4**	**0**	**: :**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4619	97	262	23:33:16.866	117FO105A106A4A	7STRP	0.017302,0.0,0,0	Slew =,0.02	4R3	4	0	4,138,078:00:0
4620	**97**	**262**	**23:47:08.200**	**10JNNPAURN01-**	**NIMPBK**	**301ES**	**JUP NORTH POLE AURORA NITE TIME**	**4R3**	**4**	**0**	**: :**
4621	**97**	**262**	**23:47:16.866**	**10JNNPAURN01-**	**DESELC**	**300FH**	**JUP NORTH POLE AURORA NITE TIME**	**4R3**	**4**	**0**	**: :**
4622	97	262	23:47:43.533	117FO105A106A4B	7STRP	-0.016001,0.008,	Slew =12.01	4R3	4	0	4,138,092:26:0
4623	97	262	23:48:00.866	117FO105A106A4C	7STRP	0.017302,0.0,0,0	Slew =,0.02	4R3	4	0	4,138,092:52:0
4624	97	263	00:02:27.533	117FO11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,138,106:78:0
4625	**97**	**263**	**00:02:27.533**	**10JNNPAURN01-**	**DESELC**	**300ES**	**JUP NORTH POLE AURORA NITE TIME**	**4R3**	**4**	**0**	**: :**
4626	97	263	00:02:35.533	165CS4A	7SCAN	NORM,27.647,13.2	Check S/P Position	4R3	4	0	4,138,106:90:0
4627	97	263	00:02:39.533	175FO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,107:05:0
4628	97	263	00:02:39.533	175FO6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,138,107:05:0
4629	97	263	00:02:39.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1633.85 +/- 2	4R3	4	0	4,138,107:05:0
4630	**97**	**263**	**00:02:39.933**	**10JNNPAURN01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
4631	97	263	00:02:40.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1633.79 +/- 2	4R3	4	0	4,138,107:06:8
4632	97	263	00:06:37.533	165CS4B	7VECT		Inert vect update UTC	4R3	4	0	4,138,110:89:0
4633	**97**	**263**	**00:10:45.266**	**10NNRELOAD09-**		**-----START------**		**4R3**	**4**	**0**	**: :**
4634	**97**	**263**	**00:11:46.200**	**20EJ6A**	**6CKSUM**	**NIMS**	**NIMS,1000,14BC**	**4R3**	**4**	**0**	**4,138,116:06:0**
4635	**97**	**263**	**00:12:46.866**	**20EJ5A**	**37PL**		**Program Load (halts microprocessor & unwri**	**4R3**	**4**	**0**	**4,138,117:06:0**
4636	**97**	**263**	**00:13:47.533**	**20EJ5B**	**37MRL**		**Memory Realocate (software operates from R**	**4R3**	**4**	**0**	**4,138,118:06:0**
4637	**97**	**263**	**00:14:48.200**	**20EJ6B**	**6MCOPY**	**NIMS**	**NIMS,1000,LLM1A,7300,77F7**	**4R3**	**4**	**0**	**4,138,119:06:0**
4638	**97**	**263**	**00:15:48.866**	**20EJ6C**	**6MCOPY**	**NIMS**	**NIMS,1598,LLM1A,77F8,781D**	**4R3**	**4**	**0**	**4,138,120:06:0**
4639	**97**	**263**	**00:16:49.533**	**20EJ5C**	**37IRT**		**Instrument Reset (goes into POR state)**	**260**	**4**	**0**	**4,138,121:06:0**
4640	**97**	**263**	**00:17:50.200**	**20EJ5D**	**37MN**		**Memory Normal (software operates from ROM)**	**260**	**4**	**0**	**4,138,122:06:0**
4641	**97**	**263**	**00:18:50.866**	**20EJ4A**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**2R0**	**4**	**0**	**4,138,123:06:0**
4642	**97**	**263**	**00:19:51.533**	**20EJ4B**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**2R3**	**4**	**0**	**4,138,124:06:0**
4643	**97**	**263**	**00:20:51.933**	**10NNRELOAD09-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**
4644	**97**	**263**	**00:40:04.599**	**10INVOLCAN05-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4645	97	263	00:40:56.866	125FQ11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,138,144:84:0
4646	**97**	**263**	**00:40:56.866**	**125FQ4A**	**37IST**	**0,2,0,OFF,0,1,1**	**Gain State 4**	**4R3**	**4**	**0**	**4,138,144:84:0**
4647	97	263	00:40:56.866	125FQ	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,138,144:84:0
4648	97	263	00:41:00.866	165FQ4A	7SCAN	NORM,42.03,18.10	Check S/P Position	4R3	4	0	4,138,144:90:0
4649	97	263	00:41:57.533	127FQ	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,138,145:84:0
4650	**97**	**263**	**00:41:58.200**	**127FQ4A**	**37ETB**	**07,C7,03,A1,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,138,145:85:0**
4651	97	263	00:42:06.200	127FQ11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,138,146:06:0
4652	97	263	00:42:50.866	175FQ422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,146:73:0
4653	97	263	00:42:50.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1633.79 +/- 2	4R3	4	0	4,138,146:73:0
4654	97	263	00:42:52.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1633.91 +/- 2	4R3	4	0	4,138,146:75:1
4655	97	263	00:42:53.533	117FQ	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,138,146:77:0
4656	97	263	00:42:57.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1635.15 +/- 2	4R3	4	0	4,138,146:83:0
4657	97	263	00:42:58.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1635.21 +/- 2	4R3	4	0	4,138,146:84:8
4658	97	263	00:42:59.533	175FQ176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,138,146:86:0
4659	97	263	00:43:00.133		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1635.09 +/- 2	4R3	4	0	4,138,146:86:9
4660	97	263	00:43:00.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1635.09 +/- 2	4R3	4	0	4,138,146:86:9
4661	**97**	**263**	**00:43:02.866**	**10INVOLCAN05-**	**NIMPBK**	**301FJ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**
4662	97	263	00:43:02.866	117FQ105A106A4A	7STRP	0.0013,0.0,0,0,0	Slew =,0.03	4R3	4	0	4,138,147:00:0
4663	97	263	00:43:48.200	117FQ11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,138,147:68:0
4664	**97**	**263**	**00:43:48.200**	**10INVOLCAN05-**	**DESELC**	**300FJ**	**MONITORING OF SELECTED VOLCANIC**	**4R3**	**4**	**0**	**: :**
4665	97	263	00:44:00.200	175FQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,147:86:0
4666	97	263	00:44:00.200	175FQ6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,138,147:86:0
4667	97	263	00:44:00.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1621.01 +/- 2	4R3	4	0	4,138,147:86:0
4668	97	263	00:44:01.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1620.95 +/- 2	4R3	4	0	4,138,147:87:8
4669	**97**	**263**	**00:45:35.266**	**10INVOLCAN05-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
4670	97	263	00:46:26.200	488BK6A	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	4,138,150:32:0
4671	97	263	00:59:13.533	411JE6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,163:00:0
4672	97	263	00:59:13.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1620.95 +/- 2	4R3	4	0	4,138,163:00:0
4673	97	263	00:59:14.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1621.07 +/- 2	4R3	4	0	4,138,163:02:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4674	97	263	00:59:20.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1622.30 +/- 2	4R3	4	0	4,138,163:10:0
4675	97	263	00:59:21.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1622.36 +/- 2	4R3	4	0	4,138,163:11:8
4676	97	263	00:59:22.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1622.24 +/- 2	4R3	4	0	4,138,163:13:9
4677	97	263	00:59:22.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1622.24 +/- 2	4R3	4	0	4,138,163:13:9
4678	97	263	00:59:23.533	411JE6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	4R3	4	0	4,138,163:15:0
4679	97	263	01:01:24.866	411JE6C	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,138,165:15:0
4680	97	263	01:01:27.533	175TO176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	4R3	4	0	4,138,165:19:0
4681	97	263	01:01:28.200	175TO422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,165:20:0
4682	97	263	01:01:34.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1591.29 +/- 2	4R3	4	0	4,138,165:30:0
4683	97	263	01:01:34.866	175TO422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,165:30:0
4684	97	263	01:01:36.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1591.23 +/- 2	4R3	4	0	4,138,165:31:8
4685	97	263	01:09:01.533	488BK6B	6TMSED	FILL,EL2	Sci, Eng, and D/L Chan	4R3	4	0	4,138,172:63:0
4686	97	263	01:56:20.200	488BK6C	6TMSED	NORM,EL2	Sci, Eng, and D/L Chan	4R3	4	0	4,138,219:44:0
4687	97	263	03:20:02.200	488BK6D	6TMSED	NORM,EL3	Sci, Eng, and D/L Chan	4R3	4	0	4,138,302:24:0
4688	**97**	**263**	**04:09:22.599**	**10JNSPAURN01-**		**-----START------**		**4R3**	**4**	**0**	**: :**
4689	97	263	04:10:18.866	165FS4A	7SCAN	NORM,68.217999,2	Check S/P Position	4R3	4	0	4,138,351:90:0
4690	97	263	04:13:16.866	127FS	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,138,354:84:0
4691	**97**	**263**	**04:13:17.533**	**127FS4A**	**37ETB**	**0A,CA,16,07,FE,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,138,354:85:0**
4692	97	263	04:13:25.533	127FS11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,138,355:06:0
4693	97	263	04:14:10.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1591.23 +/- 2	4R3	4	0	4,138,355:73:0
4694	97	263	04:14:10.200	175FS422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	4R3	4	0	4,138,355:73:0
4695	97	263	04:14:11.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1591.35 +/- 2	4R3	4	0	4,138,355:75:1
4696	97	263	04:14:12.866	117FS	**CSMOS**	GS	***** GROUP START CSMOS	4R3	4	0	4,138,355:77:0
4697	97	263	04:14:16.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1592.58 +/- 2	4R3	4	0	4,138,355:83:0
4698	97	263	04:14:18.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1592.64 +/- 2	4R3	4	0	4,138,355:84:8
4699	97	263	04:14:18.866	175FS176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	4R3	4	0	4,138,355:86:0
4700	97	263	04:14:19.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1592.52 +/- 2	4R3	4	0	4,138,355:86:9
4701	97	263	04:14:19.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1592.52 +/- 2	4R3	4	0	4,138,355:86:9
4702	97	263	04:14:22.200	117FS105A106A4A	7STRP	0.037317,0.0,0,0	Slew =,0.03	4R3	4	0	4,138,356:00:0
4703	**97**	**263**	**04:14:22.200**	**10JNSPAURN01-**	**NIMPBK**	**301FL**	**JUPITER SOUTH POLE AURORA NIGHT**	**4R3**	**4**	**0**	**: :**
4704	**97**	**263**	**04:28:13.533**	**10JNSPAURN01-**	**NIMPBK**	**301EW**	**JUPITER SOUTH POLE AURORA NIGHT**	**4R3**	**4**	**0**	**: :**
4705	**97**	**263**	**04:28:22.200**	**10JNSPAURN01-**	**DESELC**	**300FL**	**JUPITER SOUTH POLE AURORA NIGHT**	**4R3**	**4**	**0**	**: :**
4706	97	263	04:35:26.200	117FS105A106A4B	7STRP	-0.043027,0.008,	Slew =12.01	4R3	4	0	4,138,376:76:0
4707	97	263	04:35:43.533	117FS105A106A4C	7STRP	0.037317,0.0,0,0	Slew =,0.03	4R3	4	0	4,138,377:11:0
4708	**97**	**263**	**04:43:32.200**	**10JNSPAURN01-**	**DESELC**	**300EW**	**JUPITER SOUTH POLE AURORA NIGHT**	**4R3**	**4**	**0**	**: :**
4709	97	263	04:43:44.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1178.76 +/- 2	4R3	4	0	4,138,385:05:0
4710	97	263	04:43:44.866	175FS6A	6TMREC	**NRC**	NO RECORD Record Mode Change	4R3	4	0	4,138,385:05:0
4711	97	263	04:43:44.866	175FS422A6B	6DMSC	RDY,0	DMS Control Tape stop	4R3	4	0	4,138,385:05:0
4712	97	263	04:43:46.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1178.70 +/- 2	4R3	4	0	4,138,385:06:8
4713	97	263	04:45:22.200	488BK6E	6TMSED	NORM,EL4	Sci, Eng, and D/L Chan	4R3	4	0	4,138,386:60:0
4714	97	263	04:56:47.533	117FS11A	**CSMOS**	GE	***** GROUP END CSMOS	4R3	4	0	4,138,397:87:0
4715	**97**	**263**	**04:56:53.933**	**10JNSPAURN01-**		**-----STOP-------**		**4R3**	**4**	**0**	**: :**
4716	97	263	05:00:18.200	488BL6A	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,138,401:39:0
4717	97	263	05:45:08.866	488BL6B	6TMSED	FILL,EL5	Sci, Eng, and D/L Chan	4R3	4	0	4,138,445:71:0
4718	97	263	05:56:28.866	165GT4A	7SCAN	NORM,70.888,25.1	Check S/P Position	4R3	4	0	4,138,456:90:0
4719	97	263	05:57:25.533	125KF	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,138,457:84:0
4720	**97**	**263**	**05:57:25.533**	**125KF4A**	**37IST**	**0,2,0,OFF,0,1,0**	**Gain State 2**	**2R3**	**4**	**0**	**4,138,457:84:0**
4721	97	263	05:57:25.533	125KF11A	NIMSINIT	GE	##### GROUP END INIT	2R3	4	0	4,138,457:84:0
4722	**97**	**263**	**05:57:33.933**	**10NNHEALTH06-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4723	97	263	05:58:26.200	127KF	NIMSTAB	GS	%%%%% GROUP START TAB	2R3	4	0	4,138,458:84:0
4724	**97**	**263**	**05:58:26.866**	**127KF4A**	**37ETB**	**07,C7,02,80,44,3**	**Loads wavelength edit table**	**2R3**	**4**	**0**	**4,138,458:85:0**
4725	97	263	05:58:34.866	127KF11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R3	4	0	4,138,459:06:0
4726	**97**	**263**	**05:58:50.866**	**432DK6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**2R3**	**4**	**0**	**4,138,459:30:0**
4727	**97**	**263**	**05:59:50.200**	**432DL6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R3**	**4**	**0**	**4,138,460:28:0**
4728	97	263	06:00:22.866	117GT	**CSMOS**	GS	***** GROUP START CSMOS	2R3	4	0	4,138,460:77:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4729	97	263	06:00:32.200	117GT105A106A4A	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,461:00:0	
4730	97	263	06:00:32.200	176GT6A	6TMREC	**BPT**	7.68 KBPS PPR BURST TO TAPE Record Mode C	2R3	4	0	4,138,461:00:0	
4731	97	263	06:02:05.533	117GT105A106A4B	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,462:49:0	
4732	97	263	06:02:16.200	117GT105A106A4C	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,462:65:0	
4733	**97**	**263**	**06:02:37.266**	**10NNHEALTH06-**		**-----STOP-------**		**2R3**	**4**	**0**	**: :**	
4734	97	263	06:03:49.533	117GT105A106A4D	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,464:23:0	
4735	97	263	06:04:00.200	117GT105A106A4E	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,464:39:0	
4736	97	263	06:05:33.533	117GT105A106A4F	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,465:88:0	
4737	97	263	06:05:44.200	117GT105A106A4G	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,466:13:0	
4738	97	263	06:07:17.533	117GT105A106A4H	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,467:62:0	
4739	97	263	06:07:28.200	117GT105A106A4I	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,467:78:0	
4740	97	263	06:09:01.533	117GT105A106A4J	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,469:36:0	
4741	97	263	06:09:12.200	117GT105A106A4K	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,469:52:0	
4742	97	263	06:10:45.533	117GT105A106A4L	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,471:10:0	
4743	97	263	06:10:56.200	117GT105A106A4M	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,471:26:0	
4744	97	263	06:12:29.533	117GT105A106A4N	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,472:75:0	
4745	97	263	06:12:40.200	117GT105A106A4O	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,473:00:0	
4746	97	263	06:14:13.533	117GT105A106A4P	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,474:49:0	
4747	97	263	06:14:14.866	488BL6C	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R3	4	0	4,138,474:51:0	
4748	97	263	06:14:24.200	117GT105A106A4Q	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,474:65:0	
4749	97	263	06:14:26.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1178.70 +/- 2	2R3	4	0	4,138,474:68:0	
4750	97	263	06:14:26.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,474:68:0	
4751	97	263	06:14:27.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1178.82 +/- 2	2R3	4	0	4,138,474:70:1	
4752	97	263	06:14:32.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1180.05 +/- 2	2R3	4	0	4,138,474:78:0	
4753	97	263	06:14:34.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1180.11 +/- 2	2R3	4	0	4,138,474:79:8	
4754	97	263	06:14:35.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1179.99 +/- 2	2R3	4	0	4,138,474:81:9	
4755	97	263	06:14:54.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1175.60 +/- 2	2R3	4	0	4,138,475:19:0	
4756	97	263	06:15:16.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,475:53:0	
4757	97	263	06:15:16.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1170.29 +/- 2	2R3	4	0	4,138,475:53:0	
4758	97	263	06:15:18.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1170.23 +/- 2	2R3	4	0	4,138,475:54:8	
4759	97	263	06:15:57.533	117GT105A106A4R	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,476:23:0	
4760	97	263	06:16:08.200	117GT105A106A4S	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,476:39:0	
4761	97	263	06:17:41.533	117GT105A106A4T	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,477:88:0	
4762	97	263	06:17:52.200	117GT105A106A4U	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,478:13:0	
4763	97	263	06:19:25.533	117GT105A106A4V	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,479:62:0	
4764	97	263	06:19:36.200	117GT105A106A4W	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,479:78:0	
4765	97	263	06:21:09.533	117GT105A106A4X	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,481:36:0	
4766	97	263	06:21:20.200	117GT105A106A4Y	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,481:52:0	
4767	97	263	06:22:53.533	117GT105A106A4Z	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,483:10:0	
4768	97	263	06:23:04.200	117GT105A106A4AA	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,483:26:0	
4769	97	263	06:24:37.533	117GT105A106A4AB	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,484:75:0	
4770	97	263	06:24:48.200	117GT105A106A4AC	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,485:00:0	
4771	97	263	06:26:21.533	117GT105A106A4AD	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,486:49:0	
4772	97	263	06:26:32.200	117GT105A106A4AE	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,486:65:0	
4773	97	263	06:28:05.533	117GT105A106A4AF	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,488:23:0	
4774	97	263	06:28:16.200	117GT105A106A4AG	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,488:39:0	
4775	97	263	06:28:50.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1170.23 +/- 2	2R3	4	0	4,138,488:90:0	
4776	97	263	06:28:50.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,488:90:0	
4777	97	263	06:28:51.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1170.35 +/- 2	2R3	4	0	4,138,489:01:1	
4778	97	263	06:28:56.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1171.58 +/- 2	2R3	4	0	4,138,489:09:0	
4779	97	263	06:28:58.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1171.64 +/- 2	2R3	4	0	4,138,489:10:8	
4780	97	263	06:28:59.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1171.52 +/- 2	2R3	4	0	4,138,489:12:9	
4781	97	263	06:29:18.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1167.13 +/- 2	2R3	4	0	4,138,489:41:0	
4782	97	263	06:29:40.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1161.82 +/- 2	2R3	4	0	4,138,489:75:0	
4783	97	263	06:29:40.866	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,489:75:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4784	97	263	06:29:42.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1161.76 +/- 2	2R3	4	0	4,138,489:76:8	
4785	97	263	06:29:49.533	117GT105A106A4AH	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,489:88:0	
4786	97	263	06:30:00.200	117GT105A106A4AI	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,490:13:0	
4787	97	263	06:31:33.533	117GT105A106A4AJ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,491:62:0	
4788	97	263	06:31:44.200	117GT105A106A4AK	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,491:78:0	
4789	97	263	06:33:17.533	117GT105A106A4AL	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,493:36:0	
4790	97	263	06:33:28.200	117GT105A106A4AM	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,493:52:0	
4791	97	263	06:35:01.533	117GT105A106A4AN	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,495:10:0	
4792	97	263	06:35:12.200	117GT105A106A4AO	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,495:26:0	
4793	97	263	06:36:18.200	488BL6D	6TMSED	NORM,EL6	Sci, Eng, and D/L Chan	2R3	4	0	4,138,496:34:0	
4794	97	263	06:36:45.533	117GT105A106A4AP	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,496:75:0	
4795	97	263	06:36:56.200	117GT105A106A4AQ	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,497:00:0	
4796	97	263	06:38:29.533	117GT105A106A4AR	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,498:49:0	
4797	97	263	06:38:40.200	117GT105A106A4AS	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,498:65:0	
4798	97	263	06:40:13.533	117GT105A106A4AT	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,500:23:0	
4799	97	263	06:40:24.200	117GT105A106A4AU	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,500:39:0	
4800	97	263	06:41:57.533	117GT105A106A4AV	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,501:88:0	
4801	97	263	06:42:08.200	117GT105A106A4AW	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,502:13:0	
4802	97	263	06:43:14.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1161.76 +/- 2	2R3	4	0	4,138,503:22:0	
4803	97	263	06:43:14.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,503:22:0	
4804	97	263	06:43:16.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1161.88 +/- 2	2R3	4	0	4,138,503:24:1	
4805	97	263	06:43:21.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1163.11 +/- 2	2R3	4	0	4,138,503:32:0	
4806	97	263	06:43:22.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1163.17 +/- 2	2R3	4	0	4,138,503:33:8	
4807	97	263	06:43:24.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1163.05 +/- 2	2R3	4	0	4,138,503:35:9	
4808	97	263	06:43:41.533	117GT105A106A4AX	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,503:62:0	
4809	97	263	06:43:42.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1158.66 +/- 2	2R3	4	0	4,138,503:64:0	
4810	97	263	06:43:52.200	117GT105A106A4AY	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,503:78:0	
4811	97	263	06:44:05.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1153.35 +/- 2	2R3	4	0	4,138,504:07:0	
4812	97	263	06:44:05.533	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,504:07:0	
4813	97	263	06:44:06.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1153.29 +/- 2	2R3	4	0	4,138,504:08:8	
4814	97	263	06:45:25.533	117GT105A106A4AZ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,505:36:0	
4815	97	263	06:45:36.200	117GT105A106A4BA	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,505:52:0	
4816	97	263	06:47:09.533	117GT105A106A4BB	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,507:10:0	
4817	97	263	06:47:20.200	117GT105A106A4BC	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,507:26:0	
4818	97	263	06:48:53.533	117GT105A106A4BD	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,508:75:0	
4819	97	263	06:49:04.200	117GT105A106A4BE	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,509:00:0	
4820	97	263	06:50:37.533	117GT105A106A4BF	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,510:49:0	
4821	97	263	06:50:48.200	117GT105A106A4BG	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,510:65:0	
4822	97	263	06:52:21.533	117GT105A106A4BH	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,512:23:0	
4823	97	263	06:52:32.200	117GT105A106A4BI	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,512:39:0	
4824	97	263	06:54:05.533	117GT105A106A4BJ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,513:88:0	
4825	97	263	06:54:16.200	117GT105A106A4BK	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,514:13:0	
4826	97	263	06:55:49.533	117GT105A106A4BL	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,515:62:0	
4827	97	263	06:56:00.200	117GT105A106A4BM	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,515:78:0	
4828	97	263	06:57:33.533	117GT105A106A4BN	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,517:36:0	
4829	97	263	06:57:39.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1153.29 +/- 2	2R3	4	0	4,138,517:45:0	
4830	97	263	06:57:39.533	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,517:45:0	
4831	97	263	06:57:40.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1153.41 +/- 2	2R3	4	0	4,138,517:47:1	
4832	97	263	06:57:44.200	117GT105A106A4BO	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,517:52:0	
4833	97	263	06:57:46.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1154.65 +/- 2	2R3	4	0	4,138,517:55:0	
4834	97	263	06:57:47.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1154.71 +/- 2	2R3	4	0	4,138,517:56:8	
4835	97	263	06:57:48.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1154.59 +/- 2	2R3	4	0	4,138,517:58:9	
4836	97	263	06:58:07.533		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1150.19 +/- 2	2R3	4	0	4,138,517:87:0	
4837	97	263	06:58:30.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1144.88 +/- 2	2R3	4	0	4,138,518:30:0	
4838	97	263	06:58:30.200	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,518:30:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4839	97	263	06:58:31.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1144.82 +/- 2	2R3	4	0	4,138,518:31:8	
4840	97	263	06:59:17.533	117GT105A106A4BP	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,519:10:0	
4841	97	263	06:59:28.200	117GT105A106A4BQ	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,519:26:0	
4842	97	263	07:01:01.533	117GT105A106A4BR	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,520:75:0	
4843	97	263	07:01:12.200	117GT105A106A4BS	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,521:00:0	
4844	97	263	07:02:45.533	117GT105A106A4BT	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,522:49:0	
4845	97	263	07:02:56.200	117GT105A106A4BU	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,522:65:0	
4846	97	263	07:04:29.533	117GT105A106A4BV	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,524:23:0	
4847	97	263	07:04:40.200	117GT105A106A4BW	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,524:39:0	
4848	97	263	07:06:13.533	117GT105A106A4BX	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,525:88:0	
4849	97	263	07:06:24.200	117GT105A106A4BY	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,526:13:0	
4850	97	263	07:07:57.533	117GT105A106A4BZ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,527:62:0	
4851	97	263	07:08:08.200	117GT105A106A4CA	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,527:78:0	
4852	97	263	07:09:41.533	117GT105A106A4CB	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,529:36:0	
4853	97	263	07:09:52.200	117GT105A106A4CC	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,529:52:0	
4854	97	263	07:11:25.533	117GT105A106A4CD	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,531:10:0	
4855	97	263	07:11:36.200	117GT105A106A4CE	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,531:26:0	
4856	97	263	07:12:04.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1144.82 +/- 2	2R3	4	0	4,138,531:68:0	
4857	97	263	07:12:04.200	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,531:68:0	
4858	97	263	07:12:05.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1144.94 +/- 2	2R3	4	0	4,138,531:70:1	
4859	97	263	07:12:10.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1146.18 +/- 2	2R3	4	0	4,138,531:78:0	
4860	97	263	07:12:12.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1146.24 +/- 2	2R3	4	0	4,138,531:79:8	
4861	97	263	07:12:13.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1146.12 +/- 2	2R3	4	0	4,138,531:81:9	
4862	97	263	07:12:32.200		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1141.73 +/- 2	2R3	4	0	4,138,532:19:0	
4863	97	263	07:12:54.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,532:53:0	
4864	97	263	07:12:54.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1136.41 +/- 2	2R3	4	0	4,138,532:53:0	
4865	97	263	07:12:56.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1136.35 +/- 2	2R3	4	0	4,138,532:54:8	
4866	97	263	07:13:09.533	117GT105A106A4CF	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,532:75:0	
4867	97	263	07:13:20.200	117GT105A106A4CG	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,533:00:0	
4868	97	263	07:14:53.533	117GT105A106A4CH	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,534:49:0	
4869	97	263	07:15:04.200	117GT105A106A4CI	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,534:65:0	
4870	97	263	07:16:37.533	117GT105A106A4CJ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,536:23:0	
4871	97	263	07:16:48.200	117GT105A106A4CK	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,536:39:0	
4872	97	263	07:18:21.533	117GT105A106A4CL	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,537:88:0	
4873	97	263	07:18:32.200	117GT105A106A4CM	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,538:13:0	
4874	97	263	07:20:05.533	117GT105A106A4CN	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,539:62:0	
4875	97	263	07:20:16.200	117GT105A106A4CO	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,539:78:0	
4876	97	263	07:21:49.533	117GT105A106A4CP	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,541:36:0	
4877	97	263	07:22:00.200	117GT105A106A4CQ	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,541:52:0	
4878	97	263	07:23:33.533	117GT105A106A4CR	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,543:10:0	
4879	97	263	07:23:44.200	117GT105A106A4CS	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,543:26:0	
4880	97	263	07:25:17.533	117GT105A106A4CT	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,544:75:0	
4881	97	263	07:25:28.200	117GT105A106A4CU	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,545:00:0	
4882	97	263	07:26:28.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,546:00:0	
4883	97	263	07:26:28.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1136.35 +/- 2	2R3	4	0	4,138,546:00:0	
4884	97	263	07:26:30.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1136.47 +/- 2	2R3	4	0	4,138,546:02:1	
4885	97	263	07:26:35.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1137.71 +/- 2	2R3	4	0	4,138,546:10:0	
4886	97	263	07:26:36.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1137.77 +/- 2	2R3	4	0	4,138,546:11:8	
4887	97	263	07:26:38.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1137.65 +/- 2	2R3	4	0	4,138,546:13:9	
4888	97	263	07:26:56.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1133.26 +/- 2	2R3	4	0	4,138,546:42:0	
4889	97	263	07:27:01.533	117GT105A106A4CV	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,546:49:0	
4890	97	263	07:27:12.200	117GT105A106A4CW	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,546:65:0	
4891	97	263	07:27:19.533	50ZZ6RE	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,546:76:0	
4892	97	263	07:27:19.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1127.94 +/- 2	2R3	4	0	4,138,546:76:0	
4893	97	263	07:27:20.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1127.88 +/- 2	2R3	4	0	4,138,546:77:8	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
4894	97	263	07:28:45.533	117GT105A106A4CX	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,548:23:0
4895	97	263	07:28:56.200	117GT105A106A4CY	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,548:39:0
4896	97	263	07:30:29.533	117GT105A106A4CZ	7STRP	-0.00107,-0.0193	Slew =12.01	2R3	4	0	4,138,549:88:0
4897	97	263	07:30:40.200	117GT105A106A4DA	7STRP	0.0,0.019302,0,0	Slew =,0.21	2R3	4	0	4,138,550:13:0
4898	97	263	07:32:13.533	117GT11A	**CSMOS**	GE	***** GROUP END CSMOS	2R3	4	0	4,138,551:62:0
4899	97	263	07:32:32.866	176GT6B	6TMREC	**NRC**	NO RECORD Record Mode Change	2R3	4	0	4,138,552:00:0
4900	97	263	07:32:34.866	50ZZ6XX	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R3	4	0	4,138,552:03:0
4901	97	263	07:32:34.866		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1127.88 +/- 2	2R3	4	0	4,138,552:03:0
4902	97	263	07:32:36.266		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1128.00 +/- 2	2R3	4	0	4,138,552:05:1
4903	**97**	**263**	**07:32:36.599**	**10JNFEA11401-**		**-----START------**		**2R3**	**4**	**0**	**: :**
4904	97	263	07:32:41.533		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1129.24 +/- 2	2R3	4	0	4,138,552:13:0
4905	97	263	07:32:42.733		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1129.30 +/- 2	2R3	4	0	4,138,552:14:8
4906	97	263	07:32:44.133		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC *1129.18 +/- 2	2R3	4	0	4,138,552:16:9
4907	97	263	07:32:44.866		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1129.01 +/- 2	2R3	4	0	4,138,552:18:0
4908	97	263	07:32:58.866		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1125.73 +/- 2	2R3	4	0	4,138,552:39:0
4909	97	263	07:32:58.866	50ZZ6RD	6DMSC	RDY,0	DMS Control Tape stop	2R3	4	0	4,138,552:39:0
4910	97	263	07:33:00.066		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1125.67 +/- 2	2R3	4	0	4,138,552:40:8
4911	97	263	07:33:32.866	165FV4A	7SCAN	NORM,72.683999,2	Check S/P Position	2R3	4	0	4,138,552:90:0
4912	**97**	**263**	**07:36:30.866**	**127FV4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,138,555:84:0**
4913	97	263	07:36:30.866	127FV	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,138,555:84:0
4914	**97**	**263**	**07:36:31.533**	**127FV4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,138,555:85:0**
4915	97	263	07:36:39.533	127FV11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,138,556:06:0
4916	97	263	07:37:24.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1125.67 +/- 2	2R5	4	1	4,138,556:73:0
4917	97	263	07:37:24.200	175FV422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,138,556:73:0
4918	97	263	07:37:25.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1125.79 +/- 2	2R5	4	1	4,138,556:75:1
4919	97	263	07:37:26.866	117FV	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,138,556:77:0
4920	97	263	07:37:30.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1127.02 +/- 2	2R5	4	1	4,138,556:83:0
4921	97	263	07:37:32.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1127.08 +/- 2	2R5	4	1	4,138,556:84:8
4922	97	263	07:37:32.866	175FV176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,138,556:86:0
4923	97	263	07:37:33.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1126.96 +/- 2	2R5	4	1	4,138,556:86:9
4924	97	263	07:37:33.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1126.96 +/- 2	2R5	4	1	4,138,556:86:9
4925	**97**	**263**	**07:37:36.200**	**10JNFEA11401-**	**NIMPBK**	**301FM**	**JUPITER FEATURE TRACK 114 DEG PH**	**2R5**	**4**	**1**	**: :**
4926	97	263	07:37:36.200	117FV105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,138,557:00:0
4927	97	263	07:39:16.200	117FV105A106A4B	7STRP	-0.013001,0.008,	Slew =12.01	2R5	4	1	4,138,558:59:0
4928	97	263	07:39:29.533	117FV105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,138,558:79:0
4929	**97**	**263**	**07:41:09.533**	**10JNFEA11401-**	**DESELC**	**300FM**	**JUPITER FEATURE TRACK 114 DEG PH**	**2R5**	**4**	**1**	**: :**
4930	97	263	07:41:09.533	117FV11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,138,560:47:0
4931	97	263	07:41:28.200	175FV422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,138,560:75:0
4932	97	263	07:41:28.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1071.94 +/- 2	2R5	4	1	4,138,560:75:0
4933	97	263	07:41:28.200	175FV6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,138,560:75:0
4934	97	263	07:41:29.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1071.88 +/- 2	2R5	4	1	4,138,560:76:8
4935	**97**	**263**	**07:41:42.599**	**10JNFEA11401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
4936	97	263	08:03:52.866	165FW4A	7SCAN	NORM,73.174999,2	Check S/P Position	2R5	4	1	4,138,582:90:0
4937	**97**	**263**	**08:03:57.266**	**10JNFEA11402-**		**-----START------**		**2R5**	**4**	**1**	**: :**
4938	97	263	08:07:44.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1071.88 +/- 2	2R5	4	1	4,138,586:73:0
4939	97	263	08:07:44.200	175FW422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,138,586:73:0
4940	97	263	08:07:45.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1072.00 +/- 2	2R5	4	1	4,138,586:75:1
4941	97	263	08:07:46.866	117FW	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,138,586:77:0
4942	97	263	08:07:50.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1073.24 +/- 2	2R5	4	1	4,138,586:83:0
4943	97	263	08:07:52.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1073.30 +/- 2	2R5	4	1	4,138,586:84:8
4944	97	263	08:07:52.866	175FW176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,138,586:86:0
4945	97	263	08:07:53.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1073.18 +/- 2	2R5	4	1	4,138,586:86:9
4946	97	263	08:07:53.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1073.18 +/- 2	2R5	4	1	4,138,586:86:9
4947	97	263	08:07:56.200	117FW105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,138,587:00:0
4948	**97**	**263**	**08:07:56.200**	**10JNFEA11402-**	**NIMPBK**	**301FN**	**JUPITER FEATURE TRACK 114 DEG PH**	**2R5**	**4**	**1**	**: :**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
4949	97	263	08:09:36.200	117FW105A106A4B	7STRP	-0.015001,0.008,	Slew =12.01	2R5	4	1	4,138,588:59:0	
4950	97	263	08:09:49.533	117FW105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,138,588:79:0	
4951	**97**	**263**	**08:11:21.533**	**10JNFEA11402-**	**DESELC**	**300FN**	**JUPITER FEATURE TRACK 114 DEG PH**	**2R5**	**4**	**1**	**: :**	
4952	97	263	08:11:29.533	117FW11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,138,590:47:0	
4953	97	263	08:11:31.533	175FW422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,138,590:50:0	
4954	97	263	08:11:31.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC *1022.07 +/- 2	2R5	4	1	4,138,590:50:0	
4955	97	263	08:11:31.533	175FW6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,138,590:50:0	
4956	97	263	08:11:32.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC *1022.01 +/- 2	2R5	4	1	4,138,590:51:8	
4957	**97**	**263**	**08:12:02.599**	**10JNFEA11402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4958	97	263	08:17:01.533	165BE4A	7SCAN	NORM,59.553,20.7	Check S/P Position	2R5	4	1	4,138,595:90:0	
4959	97	263	08:27:14.200	488BL6E	6TMSED	NORM,EL5	Sci, Eng, and D/L Chan	2R5	4	1	4,138,606:08:0	
4960	97	263	12:01:00.200	488BM6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R5	4	1	4,138,817:46:0	
4961	97	263	12:43:14.200	488BM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	4,138,859:25:0	
4962	**97**	**263**	**14:25:55.933**	**10JNSCITRN02-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
4963	**97**	**263**	**14:25:55.933**	**10JNSCITRN01-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
4964	**97**	**263**	**14:30:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4965	**97**	**263**	**14:30:00.000**	**20A3FF**	**40T2R**	**Final Condition**	**PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4966	**97**	**263**	**14:30:00.000**	**20A3FE**	**40T1PR**	**Final Condition**	**PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4967	**97**	**263**	**14:30:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4968	**97**	**263**	**14:30:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4969	**97**	**263**	**14:30:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4970	**97**	**263**	**14:30:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4971	**97**	**263**	**14:30:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4972	**97**	**263**	**14:30:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**2R5**	**4**	**1**	**4,138,964:78:7**	
4973	97	263	14:30:00.200		DMS:	: READY	RDY, TRACK 4, REV, TIC 1022.01 +/- 2	2R5	4	1	4,138,964:79:0	

			Sequence:	C10BMH		Created: 9/12/97	Begin: 97-263/14:30:00 Finish: 97-306/16:00:00				
Line	**YR**	**DOY**	**SCET - GMT**	**PSID**	**Command**	**Parameters**	**Description**	**GCM**	**GO**	**GS**	**RIM MF I**
1	**97**	**263**	**14:30:00.000**	**20A3EY**	**37C1PR**	**Initial Condition**	**Optics Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
2	**97**	**263**	**14:30:00.000**	**20A3EZ**	**37C2PR**	**Initial Condition**	**Optics Heater 2 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
3	**97**	**263**	**14:30:00.000**	**20A3FA**	**37F1PR**	**Initial Condition**	**Radiator Flash Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
4	**97**	**263**	**14:30:00.000**	**20A3FB**	**37F2PR**	**Initial Condition**	**Shield Flash Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
5	**97**	**263**	**14:30:00.000**	**20A3FD**	**40HRPR**	**Initial Condition**	**RCT Heater OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
6	**97**	**263**	**14:30:00.000**	**20A3FE**	**40T1PR**	**Initial Condition**	**PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,138,964:78:7**
7	**97**	**263**	**14:30:00.000**	**20A3FF**	**40T2R**	**Initial Condition**	**PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,138,964:78:7**
8	**97**	**263**	**14:30:00.000**	**20A3EX**	**37HR**	**Initial Condition**	**Replacement Heaters OFF**	**2R5**	**4**	**1**	**4,138,964:78:7**
9	**97**	**263**	**14:30:00.000**	**20A3EW**	**37A**	**Initial Condition**	**NIMS Power ON**	**2R5**	**4**	**1**	**4,138,964:78:7**
10	97	263	14:30:00.200		DMS:	: READY	RDY, TRACK 4, REV, TIC 1022.01 +/- 2	2R5	4	1	4,138,964:79:0
11	**97**	**263**	**14:31:07.533**	**432JB6B**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**2R5**	**4**	**1**	**4,138,965:89:0**
12	97	263	14:31:08.200	432JB431A6A	6RCDSL	DDSDSL,PLSDSL,EP	Record Deselect (DDS o	2R5	4	1	4,138,965:90:0
13	97	263	14:31:08.866	432JB6C	6RTSL1		R/T Select of DDS and	2R5	4	1	4,138,966:00:0
14	**97**	**263**	**14:31:08.866**	**432JB6D**	**6RTSL2**	**NIMNCG,AACSEL,RT**	**AACS SELECT**	**2R5**	**4**	**1**	**4,138,966:00:0**
15	97	263	14:32:00.200	418JA6B	6BUFHI	10	MUB Buffer high water	2R5	4	1	4,138,966:77:0
16	97	263	14:32:00.200	418JA6A	6BUFLO	2	MUB Buffer low water m	2R5	4	1	4,138,966:77:0
17	97	263	14:32:02.200	488AA6B	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R5	4	1	4,138,966:80:0
18	97	263	14:40:00.200	41SB99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2R5	4	1	4,138,974:69:0
19	**97**	**263**	**14:41:54.200**	**41SB3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,138,976:58:0**
20	**97**	**263**	**14:42:04.200**	**41SB3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,138,976:73:0**
21	**97**	**263**	**14:42:14.200**	**41SB3I**	**40T2**	**1**	**PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,138,976:88:0**
22	**97**	**263**	**14:42:24.200**	**41SB3J**	**40T2**	**2**	**PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,138,977:12:0**
23	97	263	14:42:42.200	488AA6C	6TMSED	NORM,AH3	Sci, Eng, and D/L Chan	2R5	4	1	4,138,977:39:0
24	97	263	14:50:02.200	490UA412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	2R5	4	1	4,138,984:62:0
25	97	263	14:55:00.200	490UA412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R5	4	1	4,138,989:54:0
26	97	263	14:59:10.200	490UA412A4E	7VECT	RTH	Inert vect update UTC	2R5	4	1	4,138,993:65:0
27	97	263	14:59:14.200	490UA412A4F	7TURN	1,RTH	ALERT Thruster	2R5	4	1	4,138,993:71:0
28	97	263	15:03:02.200	490UA412A406A4A	7STAR	1,3000,95.710999	Star catalog update	2R5	4	1	4,138,997:49:0
29	97	263	15:03:04.200	490UA412A406A4B	7STAR	2,111,257.16	Star catalog update	2R5	4	1	4,138,997:52:0
30	97	263	15:03:06.200	490UA412A406A4C	7STAR	3,138,199.44	Star catalog update	2R5	4	1	4,138,997:55:0
31	97	263	15:03:08.200	490UA412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	2R5	4	1	4,138,997:58:0
32	97	263	15:03:10.200	490UA412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	2R5	4	1	4,138,997:61:0
33	97	263	15:03:12.200	490UA412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	2R5	4	1	4,138,997:64:0
34	97	263	15:42:26.200	488AA6D	6TMSED	NORM,AH2	Sci, Eng, and D/L Chan	2R5	4	1	4,139,036:46:0
35	97	263	16:14:29.533	432OI431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	4,139,068:19:0
36	97	263	16:14:30.200	432OI6A	6RTSL1		R/T Select of DDS and	2R5	4	1	4,139,068:20:0
37	97	263	16:31:30.200	488AA6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R5	4	1	4,139,085:03:0
38	97	263	16:34:00.200	41VA99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2R5	4	1	4,139,087:46:0
39	**97**	**263**	**16:34:04.200**	**41VA3A**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,139,087:52:0**
40	**97**	**263**	**16:34:14.200**	**41VA3B**	**40T1PR**	**2**	**PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,139,087:67:0**
41	**97**	**263**	**16:34:24.200**	**41VA3C**	**40T2R**	**1**	**PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,139,087:82:0**
42	**97**	**263**	**16:34:34.200**	**41VA3D**	**40T2R**	**2**	**PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,139,088:06:0**
43	97	263	16:40:00.200	488AB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	4,139,093:40:0
44	**97**	**263**	**17:01:55.933**	**10JNSCITRN02-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**
45	97	263	17:27:26.200	488AB6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	2R5	4	1	4,139,140:32:0
46	**97**	**263**	**17:33:12.599**	**10JNFEA12401-**		**-----START------**		**2R5**	**4**	**1**	**: :**
47	97	263	17:34:08.866	165FX4A	7SCAN	NORM,83.888,27.0	Check S/P Position	2R5	4	1	4,139,146:90:0
48	97	263	17:36:06.200	125FX11A	NIMSINIT	GE	##### GROUP END INIT	2R5	4	1	4,139,148:84:0
49	**97**	**263**	**17:36:06.200**	**125FX4A**	**37IST**	**1,2,0,OFF,0,1,0**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**2R5**	**4**	**1**	**4,139,148:84:0**
50	97	263	17:36:06.200	125FX	NIMSINIT	GS	##### GROUP START INIT	2R5	4	1	4,139,148:84:0
51	97	263	17:37:06.866	127FX	NIMSTAB	GS	%%%%% GROUP START TAB	2R5	4	1	4,139,149:84:0
52	**97**	**263**	**17:37:06.866**	**127FX4A**	**37IOP**	**5,1**	**Short Map, Grating Start Position =01**	**2R5**	**4**	**1**	**4,139,149:84:0**
53	**97**	**263**	**17:37:07.533**	**127FX4B**	**37ETB**		**Loads wavelength edit table**	**2R5**	**4**	**1**	**4,139,149:85:0**

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
54	97	263	17:37:15.533	127FX11A	NIMSTAB	GE	%%%%% GROUP END TAB	2R5	4	1	4,139,150:06:0	
55	97	263	17:38:00.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 1022.01 +/- 2	2R5	4	1	4,139,150:73:0	
56	97	263	17:38:00.200	175FX422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,139,150:73:0	
57	97	263	17:38:01.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *1022.13 +/- 2	2R5	4	1	4,139,150:75:1	
58	97	263	17:38:02.866	117FX	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,139,150:77:0	
59	97	263	17:38:06.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *1023.36 +/- 2	2R5	4	1	4,139,150:83:0	
60	97	263	17:38:08.066		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC *1023.42 +/- 2	2R5	4	1	4,139,150:84:8	
61	97	263	17:38:08.866	175FX176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,139,150:86:0	
62	97	263	17:38:09.466		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 1023.30 +/- 2	2R5	4	1	4,139,150:86:9	
63	97	263	17:38:09.466		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC *1023.30 +/- 2	2R5	4	1	4,139,150:86:9	
64	97	263	17:38:12.200	117FX105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,139,151:00:0	
65	**97**	**263**	**17:38:12.200**	**10JNFEA12401-**	**NIMPBK**	**301FO**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**	
66	97	263	17:39:52.200	117FX105A106A4B	7STRP	-0.015001,0.008,	Slew =12.01	2R5	4	1	4,139,152:59:0	
67	97	263	17:40:05.533	117FX105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,139,152:79:0	
68	**97**	**263**	**17:41:45.533**	**10JNFEA12401-**	**DESELC**	**300FO**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**	
69	97	263	17:41:45.533	117FX11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,139,154:47:0	
70	97	263	17:42:04.200	175FX6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,139,154:75:0	
71	97	263	17:42:04.200	175FX422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,139,154:75:0	
72	97	263	17:42:04.200		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 968.29 +/- 2	2R5	4	1	4,139,154:75:0	
73	97	263	17:42:05.400		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 968.23 +/- 2	2R5	4	1	4,139,154:76:8	
74	**97**	**263**	**17:42:18.599**	**10JNFEA12401-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
75	**97**	**263**	**18:02:31.933**	**10JNFEA12402-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
76	97	263	18:03:28.200	165FY4A	7SCAN	NORM,84.125,27.0	Check S/P Position	2R5	4	1	4,139,175:90:0	
77	97	263	18:05:22.200	488AB6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	2R5	4	1	4,139,177:79:0	
78	97	263	18:07:19.533	175FY422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	2R5	4	1	4,139,179:73:0	
79	97	263	18:07:19.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 968.23 +/- 2	2R5	4	1	4,139,179:73:0	
80	97	263	18:07:20.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 968.35 +/- 2	2R5	4	1	4,139,179:75:1	
81	97	263	18:07:22.200	117FY	**CSMOS**	GS	***** GROUP START CSMOS	2R5	4	1	4,139,179:77:0	
82	97	263	18:07:26.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 969.58 +/- 2	2R5	4	1	4,139,179:83:0	
83	97	263	18:07:27.400		DMS:	: *RUNUP	R7, TRACK *4, *REV, TIC * 969.64 +/- 2	2R5	4	1	4,139,179:84:8	
84	97	263	18:07:28.200	175FY176A6A	6TMREC	**LPU**	7.68 KBPS NIMS-UVS-PPR RECORD Record Mode	2R5	4	1	4,139,179:86:0	
85	97	263	18:07:28.800		DMS:	**: *RECORD**	R7, TRACK 4, REV, TIC * 969.52 +/- 2	2R5	4	1	4,139,179:86:9	
86	97	263	18:07:28.800		DMS:	: *AT_SPD	R7, TRACK 4, REV, TIC 969.52 +/- 2	2R5	4	1	4,139,179:86:9	
87	97	263	18:07:31.533	117FY105A106A4A	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,139,180:00:0	
88	**97**	**263**	**18:07:31.533**	**10JNFEA12402-**	**NIMPBK**	**301FP**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**	
89	97	263	18:09:11.533	117FY105A106A4B	7STRP	-0.017002,0.008,	Slew =12.01	2R5	4	1	4,139,181:59:0	
90	97	263	18:09:24.866	117FY105A106A4C	7STRP	0.0108,0.0,0,0,0	Slew =,0.11	2R5	4	1	4,139,181:79:0	
91	97	263	18:11:04.866	117FY11A	**CSMOS**	GE	***** GROUP END CSMOS	2R5	4	1	4,139,183:47:0	
92	**97**	**263**	**18:11:04.866**	**10JNFEA12402-**	**DESELC**	**300FP**	**JUPITER FEATURE TRACK 124 DEG PH**	**2R5**	**4**	**1**	**: :**	
93	97	263	18:11:13.533	175FY422A6B	6DMSC	RDY,0	DMS Control Tape stop	2R5	4	1	4,139,183:60:0	
94	97	263	18:11:13.533	175FY6A	6TMREC	**NRC**	NO RECORD Record Mode Change	2R5	4	1	4,139,183:60:0	
95	97	263	18:11:13.533		DMS:	**: *RUNDOWN**	R7, TRACK 4, REV, TIC * 916.85 +/- 2	2R5	4	1	4,139,183:60:0	
96	97	263	18:11:14.733		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 916.79 +/- 2	2R5	4	1	4,139,183:61:8	
97	**97**	**263**	**18:11:37.933**	**10JNFEA12402-**		**-----STOP-------**		**2R5**	**4**	**1**	**: :**	
98	97	263	18:20:00.200	41VB99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	2R5	4	1	4,139,192:31:0	
99	**97**	**263**	**18:21:54.200**	**41VB3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,139,194:20:0**	
100	**97**	**263**	**18:22:04.200**	**41VB3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**2R5**	**4**	**1**	**4,139,194:35:0**	
101	**97**	**263**	**18:22:14.200**	**41VB3I**	**40T2**		**1 PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,139,194:50:0**	
102	**97**	**263**	**18:22:24.200**	**41VB3J**	**40T2**		**2 PCT Heater 2 ON**	**2R5**	**4**	**1**	**4,139,194:65:0**	
103	97	263	18:29:18.866	488AB6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R5	4	1	4,139,201:50:0	
104	97	263	18:29:46.200	465KC6A	6DMST		300 DMS Slew to TIC	2R5	4	1	4,139,202:00:0	
105	97	263	18:29:46.200		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 916.79 +/- 2	2R5	4	1	4,139,202:00:0	
106	97	263	18:29:46.200		DMS:	: *SLEW-TIC	P7, TRACK *2, REV, TIC 916.79 +/- 2	2R5	4	1	4,139,202:00:0	
107	97	263	18:29:47.600		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 916.91 +/- 2	2R5	4	1	4,139,202:02:1	
108	97	263	18:29:52.866		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 918.15 +/- 2	2R5	4	1	4,139,202:10:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
109	97	263	18:29:54.066		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 918.21 +/- 2	2R5	4	1	4,139,202:11:8	
110	97	263	18:29:55.466		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 918.09 +/- 2	2R5	4	1	4,139,202:13:9	
111	97	263	19:13:43.000		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC * 302.06 +/- 2	2R5	4	1	4,139,245:42:2	
112	97	263	19:13:44.200		DMS:	: *READY	RDY, TRACK 2, REV, TIC * 302.00 +/- 2	2R5	4	1	4,139,245:44:0	
113	97	263	19:34:28.866	465KE6A	6DMSC	RDY,2	DMS Control Tape stop	2R5	4	1	4,139,266:00:0	
114	97	263	19:39:25.533	465KD6A	6DTRN	CMD,6DTRN,465KD6	DMS TRACK TURNAROUND	2R5	4	1	4,139,270:81:0	
115	97	263	19:39:25.533		DMS:	: *DMS-TURN	P7, TRACK 2, REV, TIC 302.00 +/- 2	2R5	4	1	4,139,270:81:0	
116	97	263	19:39:25.533		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 302.00 +/- 2	2R5	4	1	4,139,270:81:0	
117	97	263	19:39:26.933		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 302.12 +/- 2	2R5	4	1	4,139,270:83:1	
118	97	263	19:39:32.200		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 303.35 +/- 2	2R5	4	1	4,139,271:00:0	
119	97	263	19:39:33.400		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC * 303.41 +/- 2	2R5	4	1	4,139,271:01:8	
120	97	263	19:39:34.800		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC * 303.29 +/- 2	2R5	4	1	4,139,271:03:9	
121	97	263	19:46:56.000		DMS:	: *REVERSE	P7, TRACK 2, REV, TIC * 199.87 +/- 2	2R5	4	1	4,139,278:28:7	
122	97	263	19:46:57.200		DMS:	: *TURNARND	P7, TRACK *3, *FWD, TIC * 199.81 +/- 2	2R5	4	1	4,139,278:30:5	
123	97	263	19:46:57.200		DMS:	: *RUNUP	P7, TRACK 3, FWD, TIC 199.81 +/- 2	2R5	4	1	4,139,278:30:5	
124	97	263	19:46:58.600		DMS:	: *AT_SPD	P7, TRACK 3, FWD, TIC * 199.93 +/-	2R5	4	1	4,139,278:32:6	
125	97	263	19:47:10.600		DMS:	: *AUTOSTOP	P7, TRACK 3, FWD, TIC * 202.06 +/-	2R5	4	1	4,139,278:50:6	
126	97	263	19:47:11.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 202.12 +/-	2R5	4	1	4,139,278:52:4	
127	97	263	21:23:00.200	488AB6E	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R5	4	1	4,139,373:30:0	
128	97	263	23:23:14.200	488AC6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	2R5	4	1	4,139,492:22:0	
129	97	264	00:25:06.200	488AC6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	2R5	4	1	4,139,553:39:0	
130	97	264	01:15:15.533	488AC6C	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	2R5	4	1	4,139,603:03:0	
131	97	264	01:37:38.200	488AC6D	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	2R5	4	1	4,139,625:15:0	
132	97	264	01:42:45.533	488AC6E	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2R5	4	1	4,139,630:21:0	
133	97	264	04:37:16.800	488AD6A	6TMSED	FILL,AH6	Sci, Eng, and D/L Chan	2R5	4	1	4,139,802:76:0	
134	97	264	04:41:06.133	488AD6B	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	2R5	4	1	4,139,806:56:0	
135	97	264	04:42:46.133	488AD6C	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	2R5	4	1	4,139,808:24:0	
136	97	264	04:58:10.133	488AD6D	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	2R5	4	1	4,139,823:45:0	
137	97	264	05:49:22.133	488AD6E	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	2R5	4	1	4,139,874:12:0	
138	97	264	06:27:28.133	488AE6A	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	2R5	4	1	4,139,911:74:0	
139	97	264	06:29:54.133	488AE6B	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	2R5	4	1	4,139,914:20:0	
140	97	264	06:30:00.133	444UA443A4A	**7MODE**	**CRU**	**AACS CRUISE MODE**	2R5	4	1	4,139,914:29:0	
141	97	264	06:30:00.133	488AE6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	2R5	4	1	4,139,914:29:0	
142	97	264	06:31:34.133	488AE6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	2R5	4	1	4,139,915:79:0	
143	97	264	06:35:04.133	20UA4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	2R5	4	1	4,139,919:30:0	
144	97	264	06:35:54.133	20UA4B	7SLEW	DIS,POS,0.0	Stator movement	2R5	4	1	4,139,920:14:0	
145	97	264	06:37:46.133	176TA6A	6TMREC	**IPB**	INITIATE PLAYBACK (PB CONTROL) Record Mod	2R5	4	1	4,139,922:00:0	
146	97	264	06:38:00.133	432OB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	2R5	4	1	4,139,922:21:0	
147	97	264	06:38:00.800	432OB6A	6RTSL1		R/T Select of DDS and	2R5	4	1	4,139,922:22:0	
148	**97**	**264**	**13:55:38.466**	**10NNPCTRLT01-**		**-----START------**		**2R5**	**4**	**1**	**: :**	
149	97	264	13:55:38.800	41VC99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	2R5	4	1	4,140,355:06:0	
150	**97**	**264**	**13:55:42.800**	**41VC3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,140,355:12:0**	
151	**97**	**264**	**13:55:52.800**	**41VC3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**2R5**	**4**	**1**	**4,140,355:27:0**	
152	**97**	**264**	**13:56:02.800**	**41VC3C**	**40T2R**		**1 PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,140,355:42:0**	
153	**97**	**264**	**13:56:12.800**	**41VC3D**	**40T2R**		**2 PCT Heater 2 OFF**	**2R5**	**4**	**1**	**4,140,355:57:0**	
154	97	264	14:42:42.133	488AF6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	2R5	4	1	4,140,401:55:0	
155	97	264	15:01:54.133	488AF6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	2R5	4	1	4,140,420:54:0	
156	97	264	16:22:58.133	488AF6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	2R5	4	1	4,140,500:70:0	
157	97	264	17:09:54.133	488AF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	2R5	4	1	4,140,547:17:0	
158	97	264	19:59:34.800	176FA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	2R5	4	1	4,140,715:00:0	
159	97	264	20:02:43.466	444DA443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	2R5	4	1	4,140,718:10:0	
160	97	264	20:06:43.466	444DA443A4B	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	2R5	4	1	4,140,722:06:0	
161	97	264	20:15:43.466	444DA443A4C	**7CLK**	**17.45,0.0**	**Check S/P Position**	2R5	4	1	4,140,730:88:0	
162	**97**	**264**	**20:18:42.800**	**125FT4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**265**	**4**	**1**	**4,140,733:84:0**	
163	97	264	20:18:42.800	125FT	NIMSINIT	GS	##### GROUP START INIT	265	4	1	4,140,733:84:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
164	**97**	**264**	**20:19:43.466**	**125FT4B**	**37IST**	**1,2,0,OFF,0,1,1**	**Chopper ON, Sync, Chopper (Ref)Gain State**	**4R5**	**4**	**1**	**4,140,734:84:0**	
165	97	264	20:20:44.133	125FT11A	NIMSINIT	GE	##### GROUP END INIT	4R5	4	1	4,140,735:84:0	
166	**97**	**264**	**20:20:44.133**	**125FT4C**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R5**	**4**	**1**	**4,140,735:84:0**	
167	97	264	20:23:46.133	127FT	NIMSTAB	GS	%%%%% GROUP START TAB	4R5	4	1	4,140,738:84:0	
168	**97**	**264**	**20:23:46.133**	**127FT4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,140,738:84:0**	
169	**97**	**264**	**20:23:46.800**	**127FT4B**	**37ETB**	**0A,CA,19,FF,C0,1**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,140,738:85:0**	
170	97	264	20:23:54.800	127FT11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,140,739:06:0	
171	**97**	**264**	**20:24:10.800**	**432EA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,140,739:30:0**	
172	**97**	**264**	**20:26:10.800**	**432EB6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,140,741:28:0**	
173	97	264	20:26:52.800	192EQ4A	**7CONE**	**17.0,54.88**	**Check S/P Position**	4R3	4	0	4,140,742:00:0	
174	97	264	20:26:53.466	192EQ4B	**7CLK**	**17.0,244.07**	**Check S/P Position**	4R3	4	0	4,140,742:01:0	
175	**97**	**264**	**20:30:14.800**	**432EC6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,140,745:30:0**	
176	**97**	**264**	**20:40:20.133**	**432ED6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,140,755:28:0**	
177	97	264	20:40:57.466	127FU	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,140,755:84:0	
178	**97**	**264**	**20:40:57.466**	**127FU4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,140,755:84:0**	
179	**97**	**264**	**20:40:58.133**	**127FU4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,140,755:85:0**	
180	97	264	20:41:06.133	20FH4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4R0	4	0	4,140,756:06:0	
181	97	264	20:41:06.133	127FU11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,140,756:06:0	
182	97	264	20:42:58.800	125FV	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,140,757:84:0	
183	**97**	**264**	**20:42:58.800**	**125FV4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,140,757:84:0**	
184	**97**	**264**	**20:43:59.466**	**125FV4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,140,758:84:0**	
185	**97**	**264**	**20:45:00.133**	**125FV4C**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4O0**	**4**	**0**	**4,140,759:84:0**	
186	97	264	20:45:00.133	125FV11A	NIMSINIT	GE	##### GROUP END INIT	4O0	4	0	4,140,759:84:0	
187	97	264	20:46:12.133	444DB443A4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,140,761:10:0	
188	97	264	20:50:12.133	444DB443A4B	**7MODE**	**CRU**	**AACS CRUISE MODE**	4O0	4	0	4,140,765:06:0	
189	97	264	21:00:18.800	41VD99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	4O0	4	0	4,140,775:06:0	
190	**97**	**264**	**21:02:12.800**	**41VD3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,140,776:86:0**	
191	**97**	**264**	**21:02:22.800**	**41VD3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,140,777:10:0**	
192	**97**	**264**	**21:02:32.800**	**41VD3I**	**40T2**		**1 PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,140,777:25:0**	
193	**97**	**264**	**21:02:42.800**	**41VD3J**	**40T2**		**2 PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,140,777:40:0**	
194	97	264	21:03:26.800	20UM4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,140,778:15:0	
195	97	264	21:04:16.800	20UM4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,140,778:90:0	
196	97	264	21:05:29.466	432OK431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,140,780:17:0	
197	97	264	21:05:30.133	432OK6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,140,780:18:0	
198	97	264	21:06:18.800	176EA6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,140,781:00:0	
199	**97**	**264**	**21:45:48.466**	**10NNPCTRLT01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
200	97	265	00:01:38.133	488AG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,140,954:36:0	
201	97	265	00:54:58.133	488AG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,141,007:13:0	
202	97	265	01:10:23.466	488AG6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,141,022:36:0	
203	97	265	01:39:29.466	488AG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,141,051:16:0	
204	97	265	02:36:56.800	176BA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,141,108:00:0	
205	97	265	02:39:58.133	165BG4A	7SCAN	NORM,312.362,-20	Check S/P Position	4O0	4	0	4,141,110:90:0	
206	97	265	02:44:08.133	20UN4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,141,115:10:0	
207	97	265	02:44:58.133	20UN4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,141,115:85:0	
208	97	265	02:46:02.800	176BB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,141,117:00:0	
209	97	265	04:34:42.133	488AG6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,141,224:42:0	
210	97	265	04:57:52.133	488AH6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,141,247:34:0	
211	97	265	05:00:18.133	488AH6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,249:71:0	
212	97	265	05:01:58.133	488AH6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,251:39:0	
213	97	265	05:23:52.133	488AH6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,273:08:0	
214	97	265	05:47:17.466	488AH6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,296:23:0	
215	97	265	05:51:57.466	488AI6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,300:79:0	
216	97	265	06:45:00.133	488AI6B	6TMSED	FILL,GL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,353:30:0	
217	97	265	06:57:22.133	488AI6C	6TMSED	NORM,GL8	Sci, Eng, and D/L Chan	4O0	4	0	4,141,365:51:0	
218	97	265	14:36:18.066	488AJ6A	6TMSED	NORM,GL7	Sci, Eng, and D/L Chan	4O0	4	0	4,141,819:41:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM MF I
219	97	265	14:46:58.066	488AJ6B	6TMSED	NORM,GL6	Sci, Eng, and D/L Chan	4O0	4	0	4,141,830:00:0
220	97	265	16:16:34.066	488AJ6C	6TMSED	NORM,GL4	Sci, Eng, and D/L Chan	4O0	4	0	4,141,918:56:0
221	97	265	16:45:00.066	488AJ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,141,946:67:0
222	97	265	17:09:54.066	488AJ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,141,971:33:0
223	97	265	23:31:46.066	488AK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,142,349:03:0
224	97	266	00:05:54.066	488AK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,142,382:72:0
225	97	266	01:35:30.066	488AK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,142,471:37:0
226	**97**	**266**	**02:51:59.733**	**10NNRCTRLT01-**		**-----START------**		**4O0**	**4**	**0**	**: :**
227	97	266	02:52:00.066	41VE99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	4O0	4	0	4,142,547:06:0
228	**97**	**266**	**02:52:04.066**	**41VE3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,142,547:12:0**
229	**97**	**266**	**02:52:14.066**	**41VE3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,142,547:27:0**
230	**97**	**266**	**02:52:24.066**	**41VE3K**	**40T2R**		**1 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,142,547:42:0**
231	**97**	**266**	**02:52:34.066**	**41VE3L**	**40T2R**		**2 PCT Heater 2 OFF**	**4O0**	**4**	**0**	**4,142,547:57:0**
232	97	266	03:03:03.400	176XU6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,142,558:00:0
233	97	266	03:06:09.400	20XE4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	4O0	4	0	4,142,561:06:0
234	97	266	03:10:16.066	20UO4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,142,565:12:0
235	97	266	03:11:06.066	20UO4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,142,565:87:0
236	97	266	03:13:10.066	176XV6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,142,568:00:0
237	**97**	**266**	**03:14:10.733**	**185XE10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,142,569:00:0**
238	**97**	**266**	**03:14:16.066**	**185XE10B3A**	**40HRP**		**2 RCT Heater ON (primary relay)**	**4O0**	**4**	**0**	**4,142,569:08:0**
239	97	266	04:00:00.066	488AK6D	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,142,614:29:0
240	97	266	04:30:26.066	488AK6E	6TMSED	NORM,HL7	Sci, Eng, and D/L Chan	4O0	4	0	4,142,644:38:0
241	97	266	04:32:16.066	488AL6A	6TMSED	FILL,HL7	Sci, Eng, and D/L Chan	4O0	4	0	4,142,646:21:0
242	97	266	04:34:42.066	488AL6B	6TMSED	FILL,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,142,648:58:0
243	97	266	04:36:22.066	488AL6C	6TMSED	NORM,HL8	Sci, Eng, and D/L Chan	4O0	4	0	4,142,650:26:0
244	97	266	14:32:02.066	488AM6A	6TMSED	NORM,HL6	Sci, Eng, and D/L Chan	4O0	4	0	4,143,239:37:0
245	97	266	15:00:00.066	488AM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,143,267:06:0
246	**97**	**266**	**15:08:57.400**	**125XE4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,143,275:84:0**
247	97	266	15:08:57.400	125XE	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,143,275:84:0
248	**97**	**266**	**15:09:58.066**	**125XE4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**4R0**	**4**	**0**	**4,143,276:84:0**
249	**97**	**266**	**15:10:58.733**	**125XE4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**4,143,277:84:0**
250	**97**	**266**	**15:11:59.400**	**125XE4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,143,278:84:0**
251	97	266	15:11:59.400	125XE11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,143,278:84:0
252	**97**	**266**	**15:14:00.733**	**127XE4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**4,143,280:84:0**
253	97	266	15:14:00.733	127XE	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	4,143,280:84:0
254	**97**	**266**	**15:14:01.400**	**127XE4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**4,143,280:85:0**
255	97	266	15:14:09.400	127XE11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,143,281:06:0
256	97	266	15:18:08.066	176XE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,143,285:00:0
257	97	266	15:24:12.066	192XE4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,143,291:00:0
258	**97**	**266**	**15:26:33.400**	**432XE6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,143,293:30:0**
259	**97**	**266**	**15:27:32.733**	**432XF6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,143,294:28:0**
260	97	266	15:30:16.066	192XE4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	4,143,297:00:0
261	**97**	**266**	**15:32:37.400**	**432XU6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,143,299:30:0**
262	**97**	**266**	**15:34:37.400**	**432XV6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,143,301:28:0**
263	97	266	15:36:20.066	192XE4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,143,303:00:0
264	**97**	**266**	**15:38:21.400**	**185XE10C3A**	**40HRPR**		**1 RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,143,305:00:0**
265	**97**	**266**	**15:38:26.733**	**185XE10D3A**	**40HRPR**		**2 RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,143,305:08:0**
266	**97**	**266**	**15:38:41.400**	**432XW6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,143,305:30:0**
267	**97**	**266**	**15:39:40.733**	**432XY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,143,306:28:0**
268	97	266	15:42:24.066	192XE4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	4,143,309:00:0
269	**97**	**266**	**15:43:20.066**	**127XF4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**4,143,309:84:0**
270	97	266	15:43:20.066	127XF	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	4,143,309:84:0
271	**97**	**266**	**15:43:20.733**	**127XF4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**4,143,309:85:0**
272	97	266	15:43:28.733	127XF11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	4,143,310:06:0
273	97	266	15:46:22.066	125XF	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	4,143,312:84:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
274	**97**	**266**	**15:46:22.066**	**125XF4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,143,312:84:0**	
275	**97**	**266**	**15:47:22.733**	**125XF4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,143,313:84:0**	
276	**97**	**266**	**15:48:23.400**	**125XF4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**4,143,314:84:0**	
277	97	266	15:48:23.400	125XF11A	NIMSINIT	GE	##### GROUP END INIT	1O0	4	0	4,143,314:84:0	
278	97	266	15:54:36.066	41VF99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,143,321:06:0	
279	**97**	**266**	**15:56:30.066**	**41VF3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,143,322:86:0**	
280	**97**	**266**	**15:56:40.066**	**41VF3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,143,323:10:0**	
281	**97**	**266**	**15:56:50.066**	**41VF3I**	**40T2**		**1 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,143,323:25:0**	
282	**97**	**266**	**15:57:00.066**	**41VF3J**	**40T2**		**2 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,143,323:40:0**	
283	97	266	16:04:46.733	20UP4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,143,331:12:0	
284	97	266	16:05:36.733	20UP4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,143,331:87:0	
285	97	266	16:07:40.733	176XF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,143,334:00:0	
286	**97**	**266**	**16:07:44.399**	**10NNRCTRLT01-**		**-----STOP-------**		**1O0**	**4**	**0**	**: :**	
287	97	266	16:12:18.066	488AM6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,143,338:52:0	
288	97	266	16:51:09.333	176BC6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,143,377:00:0	
289	97	266	16:54:10.666	165BH4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,143,379:90:0	
290	97	266	16:58:20.666	20UQ4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,143,384:10:0	
291	97	266	16:59:10.666	20UQ4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,143,384:85:0	
292	97	266	17:00:15.333	176BD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,143,386:00:0	
293	97	266	17:14:10.000	488AM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,143,399:69:0	
294	97	266	23:27:30.000	488AN6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,143,768:90:0	
295	97	267	00:05:54.000	488AN6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,143,806:88:0	
296	97	267	01:54:42.000	488AN6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,143,914:52:0	
297	97	267	04:30:26.000	488AN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,144,068:54:0	
298	97	267	04:36:32.000	488AN6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,144,074:57:0	
299	97	267	04:38:58.000	488AO6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,144,077:03:0	
300	97	267	04:40:38.000	488AO6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,144,078:62:0	
301	97	267	14:27:46.000	488AP6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,144,659:33:0	
302	97	267	16:01:38.000	488AP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,144,752:18:0	
303	97	267	16:16:34.000	488AP6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,144,766:88:0	
304	97	267	16:35:46.000	488AP6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,144,785:87:0	
305	97	267	17:42:57.333	488AP6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,144,852:37:0	
306	97	267	18:16:36.666	488AQ6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,144,885:63:0	
307	97	267	18:50:10.000	488AQ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,144,918:80:0	
308	97	267	21:57:54.000	488AQ6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,145,104:50:0	
309	97	268	00:10:09.933	488AQ6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,145,235:33:0	
310	97	268	00:55:45.266	488AR6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,145,280:41:0	
311	97	268	01:24:51.933	488AR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,145,309:22:0	
312	97	268	02:24:33.933	488AR6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,145,368:26:0	
313	97	268	04:24:01.933	488AR6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,145,486:40:0	
314	97	268	04:42:55.933	488AR6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,145,505:12:0	
315	97	268	04:45:21.933	488AS6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,145,507:49:0	
316	97	268	04:47:01.933	488AS6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,145,509:17:0	
317	97	268	08:16:33.933	488AS6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,145,716:38:0	
318	97	268	13:47:13.933	488AT6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,146,043:41:0	
319	97	268	15:57:21.933	488AT6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,146,172:14:0	
320	97	268	16:12:17.933	488AT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,146,186:84:0	
321	97	268	17:24:49.933	488AT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,146,258:60:0	
322	97	268	23:16:49.933	488AU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,146,606:72:0	
323	97	269	00:10:09.933	488AU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,146,659:49:0	
324	97	269	01:00:00.600	481UA4A	7VECT		Inert vect update UTC	1O0	4	0	4,146,708:76:0	
325	97	269	04:19:45.933	488AU6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,146,906:36:0	
326	97	269	04:27:59.266	488AU6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,146,914:48:0	
327	97	269	04:30:25.933	488AU6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,146,916:86:0	
328	97	269	04:32:05.933	488AV6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,146,918:54:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
329	97	269	08:12:17.866	488AV6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,147,136:34:0	
330	97	269	13:10:57.866	488AW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,147,431:69:0	
331	97	269	15:46:41.866	488AW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,147,585:71:0	
332	97	269	16:05:53.866	488AW6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,147,604:70:0	
333	97	269	17:29:05.866	488AW6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,147,687:05:0	
334	97	269	23:01:53.866	488AX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,148,016:18:0	
335	97	270	00:48:14.533	488AX6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,148,121:34:0	
336	97	270	01:21:53.200	488AX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,148,154:59:0	
337	97	270	01:24:49.866	488AX6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,148,157:51:0	
338	97	270	04:15:29.866	488AX6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,148,326:32:0	
339	97	270	05:12:47.866	488AY6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,148,383:02:0	
340	97	270	05:15:13.866	488AY6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,148,385:39:0	
341	97	270	05:16:53.866	488AY6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,148,387:07:0	
342	97	270	08:12:17.866	488AY6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,148,560:50:0	
343	97	270	08:58:48.533	488AY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,148,606:50:0	
344	97	270	09:23:21.866	488AZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,148,630:76:0	
345	97	270	12:26:09.866	488AZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,148,811:57:0	
346	97	270	15:42:25.800	488BA6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,149,005:67:0	
347	97	270	16:01:37.800	488BA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,149,024:66:0	
348	97	270	17:39:45.800	488BA6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,149,121:71:0	
349	97	270	17:53:00.466	488BA6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	4,149,134:80:0	
350	97	270	17:57:10.466	176TB6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,149,139:00:0	
351	97	270	18:02:00.466	20UH4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,149,143:71:0	
352	97	270	18:03:00.466	20UH4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	4,149,144:70:0	
353	97	270	18:05:00.466	20UH4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,149,146:68:0	
354	97	270	18:10:30.466	20UH4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	4,149,152:17:0	
355	97	270	18:10:31.133	20UH4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	4,149,152:18:0	
356	97	270	18:10:51.133	20UH4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	4,149,152:48:0	
357	97	270	18:10:51.800	20UH4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	4,149,152:49:0	
358	97	270	18:11:11.800	20UH4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,149,152:79:0	
359	97	270	18:11:12.466	20UH4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,149,152:80:0	
360	97	270	18:11:22.466	20UH4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,149,153:04:0	
361	97	270	18:11:23.133	20UH4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,149,153:05:0	
362	97	270	18:11:33.133	20UH4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	4,149,153:20:0	
363	97	270	18:11:33.800	20UH4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	4,149,153:21:0	
364	97	270	18:13:20.466	20UH4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	4,149,154:90:0	
365	97	270	18:13:21.133	20UH4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	4,149,155:00:0	
366	97	270	18:13:41.133	20UH4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	4,149,155:30:0	
367	97	270	18:13:41.800	20UH4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	4,149,155:31:0	
368	97	270	18:14:01.800	20UH4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,149,155:61:0	
369	97	270	18:14:02.466	20UH4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,149,155:62:0	
370	97	270	18:14:12.466	20UH4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,149,155:77:0	
371	97	270	18:14:13.133	20UH4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,149,155:78:0	
372	97	270	18:14:23.133	20UH4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	4,149,156:02:0	
373	97	270	18:14:23.800	20UH4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	4,149,156:03:0	
374	97	270	18:15:20.466	20UH4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	4,149,156:88:0	
375	97	270	18:30:29.800	432OM431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,149,171:87:0	
376	97	270	18:30:30.466	432OM6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,149,171:88:0	
377	97	270	18:41:04.466	20UB4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,149,182:38:0	
378	97	270	18:41:54.466	20UB4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,149,183:22:0	
379	97	270	18:43:41.133	176TC6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,149,185:00:0	
380	97	270	20:01:00.466	488BA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,149,261:43:0	
381	97	270	22:46:57.800	488BB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,149,425:55:0	
382	97	270	23:50:03.133	176BE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,149,488:00:0	
383	97	270	23:53:04.466	165BI4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,149,490:90:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
384	97	270	23:57:14.466	20UR4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,149,495:10:0	
385	97	270	23:58:04.466	20UR4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,149,495:85:0	
386	97	270	23:59:09.133	176BF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,149,497:00:0	
387	97	271	00:14:25.800	488BB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,149,512:10:0	
388	97	271	04:09:05.800	488BB6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,149,744:18:0	
389	97	271	04:36:31.800	488BB6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,149,771:30:0	
390	97	271	04:38:57.800	488BB6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,149,773:67:0	
391	97	271	04:40:37.800	488BC6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,149,775:35:0	
392	97	271	08:01:37.800	488BC6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,149,974:16:0	
393	97	271	08:18:41.800	488BC6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,149,991:05:0	
394	97	271	11:26:25.800	488BD6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,150,176:66:0	
395	97	271	15:36:01.800	488BD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,150,423:53:0	
396	97	271	15:57:21.800	488BD6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,150,444:62:0	
397	97	271	17:44:01.800	488BE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,150,550:16:0	
398	97	271	22:32:01.733	488BE6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,150,835:01:0	
399	97	272	00:38:28.400	488BF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,150,960:06:0	
400	97	272	01:12:07.733	488BF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,150,993:32:0	
401	97	272	01:54:41.733	488BF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,151,035:41:0	
402	97	272	03:58:25.733	488BF6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,157:75:0	
403	97	272	04:09:05.733	488BF6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,151,168:34:0	
404	97	272	08:01:37.733	488BG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,398:32:0	
405	97	272	08:47:40.400	488BG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,443:81:0	
406	97	272	09:14:30.400	488BG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,470:39:0	
407	97	272	11:20:34.400	488BG6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,595:10:0	
408	97	272	14:55:29.733	488BH6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,151,807:61:0	
409	97	272	15:48:49.733	488BH6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,151,860:38:0	
410	97	273	11:06:17.000	488BI6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,153,005:14:0	
411	97	273	11:54:39.666	432MD6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,153,053:00:0	
412	97	273	14:51:13.666	488BI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,153,227:57:0	
413	97	273	15:46:41.666	488BI6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,153,282:44:0	
414	97	273	16:03:45.666	488BI6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,153,299:33:0	
415	97	273	17:44:01.666	488BJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,153,398:48:0	
416	97	273	22:17:05.666	488BJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,153,668:54:0	
417	97	274	00:08:01.666	488BK6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,153,778:28:0	
418	97	274	03:58:25.666	488BK6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,154,006:16:0	
419	97	274	04:36:31.666	488BK6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,154,043:78:0	
420	97	274	04:38:57.666	488BK6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,154,046:24:0	
421	97	274	04:40:37.666	488BK6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,154,047:83:0	
422	97	274	12:51:45.600	488BL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,154,533:59:0	
423	97	274	14:02:09.600	488BL6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,154,603:25:0	
424	97	274	15:21:05.600	488BL6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,154,681:31:0	
425	97	274	15:40:17.600	488BL6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,154,700:30:0	
426	97	274	16:08:01.600	488BL6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,154,727:69:0	
427	97	274	17:13:46.933	488BM6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,154,792:72:0	
428	97	274	17:47:26.266	488BM6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,154,826:07:0	
429	97	275	00:03:45.600	488BN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,155,198:24:0	
430	97	275	00:26:35.600	488BN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,155,220:77:0	
431	97	275	00:55:41.600	488BN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,155,249:57:0	
432	97	275	03:54:09.600	488BN6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,155,426:12:0	
433	97	275	04:32:15.600	488BN6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,155,463:74:0	
434	97	275	04:34:41.600	488BO6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,155,466:20:0	
435	97	275	04:36:21.600	488BO6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,155,467:79:0	
436	97	275	12:56:01.600	488BP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,155,962:04:0	
437	97	275	13:55:45.600	488BP6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,156,021:11:0	
438	97	275	15:16:49.600	488BP6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,156,101:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
439	97	275	15:40:17.600	488BP6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,156,124:46:0	
440	97	275	15:59:29.600	488BP6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,156,143:45:0	
441	97	275	17:29:05.600	488BQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,156,232:10:0	
442	97	275	22:14:57.533	488BQ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,156,514:76:0	
443	97	275	23:59:29.533	488BR6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,156,618:20:0	
444	97	276	03:47:45.533	488BR6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,156,843:89:0	
445	97	276	04:21:35.533	488BR6C	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,156,877:40:0	
446	97	276	04:24:01.533	488BR6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,156,879:77:0	
447	97	276	04:25:41.533	488BR6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,156,881:45:0	
448	97	276	13:06:41.533	488BS6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,157,396:70:0	
449	97	276	13:51:29.533	488BS6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,157,441:07:0	
450	97	276	15:16:49.533	488BS6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,157,525:43:0	
451	97	276	15:36:01.533	488BS6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,157,544:42:0	
452	97	276	17:18:25.533	488BS6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,157,645:67:0	
453	97	276	22:21:21.533	488BT6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,157,945:31:0	
454	97	277	00:19:04.200	488BT6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,158,061:69:0	
455	97	277	00:52:43.466	488BT6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,158,095:04:0	
456	97	277	01:14:09.466	488BT6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,158,116:22:0	
457	97	277	03:47:45.466	488BT6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,158,268:14:0	
458	97	277	04:51:27.466	488BU6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,158,331:14:0	
459	97	277	04:53:53.466	488BU6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,158,333:51:0	
460	97	277	04:55:33.466	488BU6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,158,335:19:0	
461	97	277	08:30:20.133	488BU6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,158,547:57:0	
462	97	277	08:53:45.466	488BU6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,158,570:72:0	
463	97	277	13:21:37.466	488BV6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,158,835:65:0	
464	97	277	13:45:05.466	488BV6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,158,858:84:0	
465	97	277	15:10:25.466	488BV6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,158,943:29:0	
466	97	277	15:31:45.466	488BV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,158,964:38:0	
467	97	277	17:03:29.466	488BV6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,159,055:13:0	
468	97	277	22:25:37.466	488BW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,159,373:67:0	
469	97	277	23:44:33.466	488BW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,159,451:73:0	
470	97	278	03:43:29.466	488BW6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,159,688:10:0	
471	97	278	03:55:58.800	488BW6D	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,159,700:42:0	
472	97	278	03:58:25.466	488BW6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,159,702:80:0	
473	97	278	04:00:05.466	488BX6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,159,704:48:0	
474	97	278	13:25:53.400	488BY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,160,264:10:0	
475	97	278	13:40:49.400	488BY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,160,278:80:0	
476	97	278	14:02:10.733	176KA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,160,300:00:0	
477	97	278	14:04:12.066	465KA6A	6DMST	300	DMS Slew to TIC	1O0	4	0	4,160,302:00:0	
478	97	278	14:04:12.066		DMS:	: *TURNARND	P7, TRACK *1, FWD, TIC 202.12 +/-	1O0	4	0	4,160,302:00:0	
479	97	278	14:04:12.066		DMS:	: *SLEW-TIC	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,160,302:00:0	
480	97	278	14:04:12.066		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,160,302:00:0	
481	97	278	14:04:18.733		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,160,302:10:0	
482	97	278	14:04:20.133		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 202.24 +/-	1O0	4	0	4,160,302:12:1	
483	97	278	14:11:07.533		DMS:	**: *RUNDOWN**	P7, TRACK 1, FWD, TIC * 297.94 +/-	1O0	4	0	4,160,308:77:2	
484	97	278	14:11:08.733		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 298.00 +/-	1O0	4	0	4,160,308:79:0	
485	97	278	15:10:25.400	488BY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,160,367:45:0	
486	97	278	15:29:37.400	488BY6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,160,386:44:0	
487	97	278	16:52:49.400	488BY6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,160,468:70:0	
488	97	278	18:34:27.400	488BZ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,160,569:26:0	
489	97	278	18:45:02.066	490UB412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	1O0	4	0	4,160,579:68:0	
490	97	278	18:50:00.066	490UB412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,160,584:60:0	
491	97	278	18:54:10.066	490UB412A4E	7VECT	MVR	Inert vect update UTC	1O0	4	0	4,160,588:71:0	
492	97	278	18:54:14.066	490UB412A4F	7TURN	1,MVR	ALERT Thruster	1O0	4	0	4,160,588:77:0	
493	97	278	18:58:02.066	490UB412A406A4A	7STAR	7,3000,95.710999	Star catalog update	1O0	4	0	4,160,592:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
494	97	278	18:58:04.066	490UB412A406A4B	7STAR	8,1452,23.966,-5	Star catalog update	1O0	4	0	4,160,592	58:0
495	97	278	18:58:06.066	490UB412A406A4C	7STAR	9,552,343.73	Star catalog update	1O0	4	0	4,160,592	61:0
496	97	278	18:58:08.066	490UB412A406A4D	7STAR	10,530,309.931,4	Star catalog update	1O0	4	0	4,160,592	64:0
497	97	278	18:58:10.066	490UB412A406A4E	7STAR	11,0,0.0,0.0	Star catalog update	1O0	4	0	4,160,592	67:0
498	97	278	18:58:12.066	490UB412A406A4F	7STAR	12,0,0.0,0.0	Star catalog update	1O0	4	0	4,160,592	70:0
499	**97**	**278**	**18:59:25.400**	**432SA6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**4,160,593**	**89:0**
500	**97**	**278**	**20:12:14.733**	**432SB6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**1O0**	**4**	**0**	**4,160,666**	**00:0**
501	97	278	20:44:59.400	432OO431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,160,698	35:0
502	97	278	20:45:00.066	432OO6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,160,698	36:0
503	97	278	20:58:27.400	41SA99A	**POWER**	**PWR MODE change**	**Change to Data Taking Mode**	1O0	4	0	4,160,711	64:0
504	**97**	**278**	**20:58:31.400**	**41SA3A**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,160,711**	**70:0**
505	**97**	**278**	**20:58:41.400**	**41SA3B**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,160,711**	**85:0**
506	**97**	**278**	**20:58:51.400**	**41SA3C**	**40T2R**		**1 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,160,712**	**09:0**
507	**97**	**278**	**20:59:01.400**	**41SA3D**	**40T2R**		**2 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,160,712**	**24:0**
508	97	278	21:07:50.733	165IA4A	7SCAN	NORM,143.789999,	Check S/P Position	1O0	4	0	4,160,720	90:0
509	97	278	21:07:51.400	465KB6A	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,160,721	00:0
510	97	278	21:07:51.400		DMS:	: READY	RDY, TRACK *3, FWD, TIC 298.00 +/-	1O0	4	0	4,160,721	00:0
511	97	278	21:10:52.066	165IA4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,723	89:0
512	97	278	21:11:50.733	175IA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,724	86:0
513	97	278	21:11:50.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 298.00 +/-	1O0	4	0	4,160,724	86:0
514	97	278	21:11:57.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 298.00 +/-	1O0	4	0	4,160,725	05:0
515	97	278	21:12:00.733	175IA176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,725	10:0
516	97	278	21:12:01.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 304.30 +/-	1O0	4	0	4,160,725	11:0
517	97	278	21:12:01.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 304.30 +/-	1O0	4	0	4,160,725	11:0
518	97	278	21:12:17.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 360.55 +/-	1O0	4	0	4,160,725	35:0
519	97	278	21:12:17.400	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,725	35:0
520	97	278	21:12:18.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 361.55 +/-	1O0	4	0	4,160,725	36:8
521	97	278	21:13:54.733	165IB4A	7SCAN	NORM,142.48,15.4	Check S/P Position	1O0	4	0	4,160,726	90:0
522	97	278	21:17:50.066	118IB	**SMOS**	GS		1O0	4	0	4,160,730	79:0
523	97	278	21:18:00.066	118IB110A111A4A	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,160,731	03:0
524	97	278	21:18:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 361.55 +/-	1O0	4	0	4,160,731	11:0
525	97	278	21:18:05.400	175IB422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,160,731	11:0
526	97	278	21:18:12.066		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 361.55 +/-	1O0	4	0	4,160,731	21:0
527	97	278	21:18:16.733	175IB176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,160,731	28:0
528	97	278	21:18:17.333		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 427.55 +/-	1O0	4	0	4,160,731	28:9
529	97	278	21:18:17.333		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 427.55 +/-	1O0	4	0	4,160,731	28:9
530	97	278	21:18:17.400	118IB110A111A4B	7STRP	-0.00195,0.0,0,0	Slew =,3.01	1O0	4	0	4,160,731	29:0
531	97	278	21:18:19.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 478.41 +/-	1O0	4	0	4,160,731	32:0
532	97	278	21:18:19.400	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,731	32:0
533	97	278	21:18:22.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 489.91 +/-	1O0	4	0	4,160,731	36:1
534	97	278	21:18:26.066	118IB110A111A4C	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,160,731	42:0
535	97	278	21:18:31.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 489.91 +/-	1O0	4	0	4,160,731	50:0
536	97	278	21:18:31.400	175IC422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,160,731	50:0
537	97	278	21:18:38.066		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 489.91 +/-	1O0	4	0	4,160,731	60:0
538	97	278	21:18:42.733	175IC176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,160,731	67:0
539	97	278	21:18:43.333		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC * 555.91 +/-	1O0	4	0	4,160,731	67:9
540	97	278	21:18:43.333		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 555.91 +/-	1O0	4	0	4,160,731	67:9
541	97	278	21:18:43.400	118IB11A	**SMOS**	GE		1O0	4	0	4,160,731	68:0
542	97	278	21:18:45.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC * 606.77 +/-	1O0	4	0	4,160,731	71:0
543	97	278	21:18:45.400	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,731	71:0
544	97	278	21:18:48.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 618.27 +/- 1	1O0	4	0	4,160,731	75:1
545	97	278	21:18:58.066	165IC4A	7SCAN	NORM,143.862,15.	Check S/P Position	1O0	4	0	4,160,731	90:0
546	97	278	21:19:58.066	165IC4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,732	89:0
547	97	278	21:21:36.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 618.27 +/- 1	1O0	4	0	4,160,734	55:0
548	97	278	21:21:36.733	175ID422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,734	55:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
549	97	278	21:21:43.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 618.27 +/- 1	1O0	4	0	4,160,734:65:0	
550	97	278	21:21:46.733	175ID176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,734:70:0	
551	97	278	21:21:47.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 624.57 +/- 1	1O0	4	0	4,160,734:71:0	
552	97	278	21:21:47.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 624.57 +/- 1	1O0	4	0	4,160,734:71:0	
553	97	278	21:22:00.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 671.44 +/- 1	1O0	4	0	4,160,735:00:0	
554	97	278	21:22:00.733	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,735:00:0	
555	97	278	21:22:01.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 672.44 +/- 1	1O0	4	0	4,160,735:01:8	
556	97	278	21:23:05.400	118IC	**SMOS**	GS		1O0	4	0	4,160,736:06:0	
557	97	278	21:23:38.066	175IE422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,736:55:0	
558	97	278	21:23:38.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 672.44 +/- 1	1O0	4	0	4,160,736:55:0	
559	97	278	21:23:44.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 672.44 +/- 1	1O0	4	0	4,160,736:65:0	
560	97	278	21:23:48.066	175IE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,736:70:0	
561	97	278	21:23:48.733	118IC110A111A4A	7STRP	0.0,-0.008,728,0	Slew =,3.01	1O0	4	0	4,160,736:71:0	
562	97	278	21:23:48.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 678.74 +/- 1	1O0	4	0	4,160,736:71:0	
563	97	278	21:23:48.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 678.74 +/- 1	1O0	4	0	4,160,736:71:0	
564	**97**	**278**	**21:24:00.733**	**432SC6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**4,160,736:89:0**	
565	97	278	21:24:02.066	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,737:00:0	
566	97	278	21:24:02.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 725.62 +/- 1	1O0	4	0	4,160,737:00:0	
567	97	278	21:24:03.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 726.62 +/- 1	1O0	4	0	4,160,737:01:8	
568	97	278	21:25:39.400	175IF422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,738:55:0	
569	97	278	21:25:39.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 726.62 +/- 1	1O0	4	0	4,160,738:55:0	
570	97	278	21:25:46.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 726.62 +/- 1	1O0	4	0	4,160,738:65:0	
571	97	278	21:25:49.400	175IF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,738:70:0	
572	97	278	21:25:50.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 732.92 +/- 1	1O0	4	0	4,160,738:71:0	
573	97	278	21:25:50.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 732.92 +/- 1	1O0	4	0	4,160,738:71:0	
574	97	278	21:26:03.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 779.79 +/- 1	1O0	4	0	4,160,739:00:0	
575	97	278	21:26:03.400	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,739:00:0	
576	97	278	21:26:04.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 780.79 +/- 1	1O0	4	0	4,160,739:01:8	
577	97	278	21:27:40.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 780.79 +/- 1	1O0	4	0	4,160,740:55:0	
578	97	278	21:27:40.733	175IG422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,740:55:0	
579	97	278	21:27:47.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 780.79 +/- 1	1O0	4	0	4,160,740:65:0	
580	97	278	21:27:50.733	175IG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,740:70:0	
581	97	278	21:27:51.400	118IC11A	**SMOS**	GE		1O0	4	0	4,160,740:71:0	
582	97	278	21:27:51.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 787.09 +/- 1	1O0	4	0	4,160,740:71:0	
583	97	278	21:27:51.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 787.09 +/- 1	1O0	4	0	4,160,740:71:0	
584	97	278	21:27:54.066	116IC4A	7STRP	0.0,0.00835,0,0,	Slew =,3.01	1O0	4	0	4,160,740:75:0	
585	97	278	21:28:04.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 833.97 +/- 1	1O0	4	0	4,160,741:00:0	
586	97	278	21:28:04.733	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,741:00:0	
587	97	278	21:28:05.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 834.97 +/- 1	1O0	4	0	4,160,741:01:8	
588	97	278	21:30:45.400	175IH422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,743:59:0	
589	97	278	21:30:45.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 834.97 +/- 1	1O0	4	0	4,160,743:59:0	
590	97	278	21:30:52.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 834.97 +/- 1	1O0	4	0	4,160,743:69:0	
591	97	278	21:30:55.400	175IH176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,743:74:0	
592	97	278	21:30:56.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 841.27 +/- 1	1O0	4	0	4,160,743:75:0	
593	97	278	21:30:56.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 841.27 +/- 1	1O0	4	0	4,160,743:75:0	
594	97	278	21:31:06.733	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,744:00:0	
595	97	278	21:31:06.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 878.77 +/- 1	1O0	4	0	4,160,744:00:0	
596	97	278	21:31:07.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 879.77 +/- 1	1O0	4	0	4,160,744:01:8	
597	97	278	21:34:40.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 879.77 +/- 1	1O0	4	0	4,160,747:48:0	
598	97	278	21:34:40.733	175II422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,747:48:0	
599	97	278	21:34:47.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 879.77 +/- 1	1O0	4	0	4,160,747:58:0	
600	97	278	21:34:50.733	175II176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,747:63:0	
601	97	278	21:34:51.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 886.07 +/- 1	1O0	4	0	4,160,747:64:0	
602	97	278	21:34:51.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 886.07 +/- 1	1O0	4	0	4,160,747:64:0	
603	97	278	21:34:54.733	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,747:69:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
604	97	278	21:34:54.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 897.79 +/- 1	1O0	4	0	4,160,747:69:0	
605	97	278	21:34:55.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 898.79 +/- 1	1O0	4	0	4,160,747:70:8	
606	97	278	21:38:28.066	175IJ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,751:25:0	
607	97	278	21:38:28.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 898.79 +/- 1	1O0	4	0	4,160,751:25:0	
608	97	278	21:38:34.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 898.79 +/- 1	1O0	4	0	4,160,751:35:0	
609	97	278	21:38:38.066	175IJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,751:40:0	
610	97	278	21:38:38.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 905.09 +/- 1	1O0	4	0	4,160,751:41:0	
611	97	278	21:38:38.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 905.09 +/- 1	1O0	4	0	4,160,751:41:0	
612	97	278	21:38:42.066	175IJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,751:46:0	
613	97	278	21:38:42.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 916.81 +/- 1	1O0	4	0	4,160,751:46:0	
614	97	278	21:38:43.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 917.81 +/- 1	1O0	4	0	4,160,751:47:8	
615	97	278	21:42:15.400	175IK422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,755:02:0	
616	97	278	21:42:15.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 917.81 +/- 1	1O0	4	0	4,160,755:02:0	
617	97	278	21:42:22.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 917.81 +/- 1	1O0	4	0	4,160,755:12:0	
618	97	278	21:42:25.400	175IK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,755:17:0	
619	97	278	21:42:26.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 924.11 +/- 1	1O0	4	0	4,160,755:18:0	
620	97	278	21:42:26.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 924.11 +/- 1	1O0	4	0	4,160,755:18:0	
621	97	278	21:42:29.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 935.82 +/- 1	1O0	4	0	4,160,755:23:0	
622	97	278	21:42:29.400	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,755:23:0	
623	97	278	21:42:30.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 936.82 +/- 1	1O0	4	0	4,160,755:24:8	
624	97	278	21:46:03.400	175IL422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,758:71:0	
625	97	278	21:46:03.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 936.82 +/- 1	1O0	4	0	4,160,758:71:0	
626	97	278	21:46:03.400	116IE4A	7STRP	-0.00575,0.001,0	Slew =,3.01	1O0	4	0	4,160,758:71:0	
627	97	278	21:46:10.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 936.82 +/- 1	1O0	4	0	4,160,758:81:0	
628	97	278	21:46:13.400	175IL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,758:86:0	
629	97	278	21:46:14.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 943.12 +/- 1	1O0	4	0	4,160,758:87:0	
630	97	278	21:46:14.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 943.12 +/- 1	1O0	4	0	4,160,758:87:0	
631	97	278	21:46:16.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 952.50 +/- 1	1O0	4	0	4,160,759:00:0	
632	97	278	21:46:16.733	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,759:00:0	
633	97	278	21:46:17.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 953.50 +/- 1	1O0	4	0	4,160,759:01:8	
634	97	278	21:46:29.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 953.50 +/- 1	1O0	4	0	4,160,759:19:0	
635	97	278	21:46:29.400	175IM422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,759:19:0	
636	97	278	21:46:36.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 953.50 +/- 1	1O0	4	0	4,160,759:29:0	
637	97	278	21:46:39.400	175IM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,759:34:0	
638	97	278	21:46:40.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC * 959.80 +/- 1	1O0	4	0	4,160,759:35:0	
639	97	278	21:46:40.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 959.80 +/- 1	1O0	4	0	4,160,759:35:0	
640	97	278	21:46:47.400	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,759:46:0	
641	97	278	21:46:47.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC * 985.58 +/- 1	1O0	4	0	4,160,759:46:0	
642	97	278	21:46:48.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 986.58 +/- 1	1O0	4	0	4,160,759:47:8	
643	97	278	21:47:16.733	165IF4A	7SCAN	NORM,142.717999,	Check S/P Position	1O0	4	0	4,160,759:90:0	
644	97	278	21:51:12.066	118IF	**SMOS**	GS		1O0	4	0	4,160,763:79:0	
645	97	278	21:51:22.066	118IF110A111A4A	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,160,764:03:0	
646	97	278	21:51:27.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 986.58 +/- 1	1O0	4	0	4,160,764:11:0	
647	97	278	21:51:27.400	175IN422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,160,764:11:0	
648	97	278	21:51:34.066		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 986.58 +/- 1	1O0	4	0	4,160,764:21:0	
649	97	278	21:51:38.733	175IN176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,160,764:28:0	
650	97	278	21:51:39.333		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1052.58 +/- 1	1O0	4	0	4,160,764:28:9	
651	97	278	21:51:39.333		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1052.58 +/- 2	1O0	4	0	4,160,764:28:9	
652	97	278	21:51:39.400	118IF110A111A4B	7STRP	-0.00195,0.0,0,0	Slew =,3.01	1O0	4	0	4,160,764:29:0	
653	97	278	21:51:41.400	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,764:32:0	
654	97	278	21:51:41.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1103.44 +/- 2	1O0	4	0	4,160,764:32:0	
655	97	278	21:51:44.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1114.94 +/- 2	1O0	4	0	4,160,764:36:1	
656	97	278	21:51:48.066	118IF110A111A4C	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,160,764:42:0	
657	97	278	21:51:53.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1114.94 +/- 2	1O0	4	0	4,160,764:50:0	
658	97	278	21:51:53.400	175IO422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,160,764:50:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
659	97	278	21:52:00.066		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 1114.94 +/- 2	1O0	4	0	4,160,764:60:0	
660	97	278	21:52:04.733	175IO176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,160,764:67:0	
661	97	278	21:52:05.333		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 1180.94 +/- 2	1O0	4	0	4,160,764:67:9	
662	97	278	21:52:05.333		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *1180.94 +/- 2	1O0	4	0	4,160,764:67:9	
663	97	278	21:52:05.400	118IF11A	**SMOS**	GE		1O0	4	0	4,160,764:68:0	
664	97	278	21:52:07.400	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,764:71:0	
665	97	278	21:52:07.400		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *1231.80 +/- 2	1O0	4	0	4,160,764:71:0	
666	97	278	21:52:10.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1243.30 +/- 2	1O0	4	0	4,160,764:75:1	
667	97	278	22:22:40.066	165IG4A	7SCAN	NORM,143.924999,	Check S/P Position	1O0	4	0	4,160,794:90:0	
668	97	278	22:26:42.066	165IG4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,798:89:0	
669	97	278	22:27:34.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1243.30 +/- 2	1O0	4	0	4,160,799:77:0	
670	97	278	22:27:34.733	175IP422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,799:77:0	
671	97	278	22:27:36.066	118IG	**SMOS**	GS		1O0	4	0	4,160,799:79:0	
672	97	278	22:27:41.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1243.30 +/- 2	1O0	4	0	4,160,799:87:0	
673	97	278	22:27:44.733	175IP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,800:01:0	
674	97	278	22:27:45.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1249.60 +/- 2	1O0	4	0	4,160,800:02:0	
675	97	278	22:27:45.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1249.60 +/- 2	1O0	4	0	4,160,800:02:0	
676	97	278	22:27:46.066	118IG110A111A4A	7STRP	0.0,-0.008,228,0	Slew =,3.01	1O0	4	0	4,160,800:03:0	
677	97	278	22:27:59.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,800:23:0	
678	97	278	22:27:59.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1298.82 +/- 2	1O0	4	0	4,160,800:23:0	
679	97	278	22:28:00.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1299.82 +/- 2	1O0	4	0	4,160,800:24:8	
680	97	278	22:28:48.733	117IG	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,801:06:0	
681	97	278	22:28:50.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1299.82 +/- 2	1O0	4	0	4,160,801:09:0	
682	97	278	22:28:50.733	175IQ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,801:09:0	
683	97	278	22:28:57.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1299.82 +/- 2	1O0	4	0	4,160,801:19:0	
684	97	278	22:29:00.733	175IQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,801:24:0	
685	97	278	22:29:01.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1306.12 +/- 2	1O0	4	0	4,160,801:25:0	
686	97	278	22:29:01.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1306.12 +/- 2	1O0	4	0	4,160,801:25:0	
687	97	278	22:29:02.066	118IG11A	**SMOS**	GE		1O0	4	0	4,160,801:26:0	
688	97	278	22:29:02.066	116IG4A	7STRP	-0.003,0.004,0,0	Slew =,3.01	1O0	4	0	4,160,801:26:0	
689	97	278	22:29:13.400	117IG105A106A4A	7STRP	0.008,0.0,0,0,0,	Slew =,0.12	1O0	4	0	4,160,801:43:0	
690	97	278	22:29:15.400	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,801:46:0	
691	97	278	22:29:15.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1355.34 +/- 2	1O0	4	0	4,160,801:46:0	
692	97	278	22:29:16.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1356.34 +/- 2	1O0	4	0	4,160,801:47:8	
693	97	278	22:29:49.400	117IH	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,802:06:0	
694	97	278	22:30:22.066	175IR422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,802:55:0	
695	97	278	22:30:22.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1356.34 +/- 2	1O0	4	0	4,160,802:55:0	
696	97	278	22:30:28.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1356.34 +/- 2	1O0	4	0	4,160,802:65:0	
697	97	278	22:30:32.066	175IR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,802:70:0	
698	97	278	22:30:32.066	117IG11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,802:70:0	
699	97	278	22:30:32.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1362.64 +/- 2	1O0	4	0	4,160,802:71:0	
700	97	278	22:30:32.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1362.64 +/- 2	1O0	4	0	4,160,802:71:0	
701	97	278	22:30:34.066	116IH4A	7STRP	-0.005,0.004,0,0	Slew =,3.01	1O0	4	0	4,160,802:73:0	
702	97	278	22:30:44.066	117IH105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	1O0	4	0	4,160,802:88:0	
703	97	278	22:30:46.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1409.51 +/- 2	1O0	4	0	4,160,803:00:0	
704	97	278	22:30:46.066	175IR422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,803:00:0	
705	97	278	22:30:47.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1410.51 +/- 2	1O0	4	0	4,160,803:01:8	
706	97	278	22:31:50.733	117II	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,804:06:0	
707	97	278	22:31:59.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1410.51 +/- 2	1O0	4	0	4,160,804:19:0	
708	97	278	22:31:59.400	175IS422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,804:19:0	
709	97	278	22:32:02.733	117IH11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,804:24:0	
710	97	278	22:32:04.066	116II4A	7STRP	-0.002,-0.008,0,	Slew =,3.01	1O0	4	0	4,160,804:26:0	
711	97	278	22:32:06.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1410.51 +/- 2	1O0	4	0	4,160,804:29:0	
712	97	278	22:32:09.400	175IS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,804:34:0	
713	97	278	22:32:10.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1416.81 +/- 2	1O0	4	0	4,160,804:35:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
714	97	278	22:32:10.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1416.81 +/- 2	1O0	4	0	4,160,804:35:0	
715	97	278	22:32:15.400	117II105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	1O0	4	0	4,160,804:43:0	
716	97	278	22:32:17.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1442.59 +/- 2	1O0	4	0	4,160,804:46:0	
717	97	278	22:32:17.400	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,804:46:0	
718	97	278	22:32:18.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1443.59 +/- 2	1O0	4	0	4,160,804:47:8	
719	97	278	22:33:24.066	175IT422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,805:55:0	
720	97	278	22:33:24.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1443.59 +/- 2	1O0	4	0	4,160,805:55:0	
721	97	278	22:33:30.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1443.59 +/- 2	1O0	4	0	4,160,805:65:0	
722	97	278	22:33:34.066	175IT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,805:70:0	
723	97	278	22:33:34.066	117II11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,805:70:0	
724	97	278	22:33:34.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1449.89 +/- 2	1O0	4	0	4,160,805:71:0	
725	97	278	22:33:34.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1449.89 +/- 2	1O0	4	0	4,160,805:71:0	
726	97	278	22:33:35.400	116IJ4A	7STRP	-0.001,0.00835,0	Slew =,3.01	1O0	4	0	4,160,805:72:0	
727	97	278	22:33:41.400	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,805:81:0	
728	97	278	22:33:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1473.33 +/- 2	1O0	4	0	4,160,805:81:0	
729	97	278	22:33:42.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1474.33 +/- 2	1O0	4	0	4,160,805:82:8	
730	97	278	22:41:32.066	175IU422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,813:59:0	
731	97	278	22:41:32.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1474.33 +/- 2	1O0	4	0	4,160,813:59:0	
732	97	278	22:41:38.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1474.33 +/- 2	1O0	4	0	4,160,813:69:0	
733	97	278	22:41:42.066	175IU176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,813:74:0	
734	97	278	22:41:42.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1480.63 +/- 3	1O0	4	0	4,160,813:75:0	
735	97	278	22:41:42.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1480.63 +/- 2	1O0	4	0	4,160,813:75:0	
736	97	278	22:41:53.400	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,814:00:0	
737	97	278	22:41:53.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1518.13 +/- 3	1O0	4	0	4,160,814:00:0	
738	97	278	22:41:54.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1519.13 +/- 3	1O0	4	0	4,160,814:01:8	
739	97	278	22:45:27.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1519.13 +/- 3	1O0	4	0	4,160,817:48:0	
740	97	278	22:45:27.400	175IV422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,817:48:0	
741	97	278	22:45:34.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1519.13 +/- 3	1O0	4	0	4,160,817:58:0	
742	97	278	22:45:37.400	175IV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,817:63:0	
743	97	278	22:45:38.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1525.43 +/- 3	1O0	4	0	4,160,817:64:0	
744	97	278	22:45:38.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1525.43 +/- 3	1O0	4	0	4,160,817:64:0	
745	97	278	22:45:41.400	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,817:69:0	
746	97	278	22:45:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1537.15 +/- 3	1O0	4	0	4,160,817:69:0	
747	97	278	22:45:42.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1538.15 +/- 3	1O0	4	0	4,160,817:70:8	
748	97	278	22:49:14.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1538.15 +/- 3	1O0	4	0	4,160,821:25:0	
749	97	278	22:49:14.733	175IW422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,821:25:0	
750	97	278	22:49:21.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1538.15 +/- 3	1O0	4	0	4,160,821:35:0	
751	97	278	22:49:24.733	175IW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,821:40:0	
752	97	278	22:49:25.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1544.45 +/- 3	1O0	4	0	4,160,821:41:0	
753	97	278	22:49:25.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1544.45 +/- 3	1O0	4	0	4,160,821:41:0	
754	97	278	22:49:28.733	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,821:46:0	
755	97	278	22:49:28.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1556.17 +/- 3	1O0	4	0	4,160,821:46:0	
756	97	278	22:49:29.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1557.17 +/- 3	1O0	4	0	4,160,821:47:8	
757	**97**	**278**	**22:49:58.733**	**432SD6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**1O0**	**4**	**0**	**4,160,822:00:0**	
758	97	278	22:53:02.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1557.17 +/- 3	1O0	4	0	4,160,825:02:0	
759	97	278	22:53:02.066	175IX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,825:02:0	
760	97	278	22:53:08.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1557.17 +/- 3	1O0	4	0	4,160,825:12:0	
761	97	278	22:53:12.066	175IX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,825:17:0	
762	97	278	22:53:12.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1563.47 +/- 3	1O0	4	0	4,160,825:18:0	
763	97	278	22:53:12.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1563.47 +/- 3	1O0	4	0	4,160,825:18:0	
764	97	278	22:53:16.066	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,825:23:0	
765	97	278	22:53:16.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1575.19 +/- 3	1O0	4	0	4,160,825:23:0	
766	97	278	22:53:17.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1576.19 +/- 3	1O0	4	0	4,160,825:24:8	
767	97	278	22:56:50.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1576.19 +/- 3	1O0	4	0	4,160,828:71:0	
768	97	278	22:56:50.066	175IY422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,828:71:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
769	97	278	22:56:50.733	116IK4A	7STRP	-0.00575,0.001,0	Slew =,3.01	1O0	4	0	4,160,828	72:0
770	97	278	22:56:56.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1576.19 +/- 3	1O0	4	0	4,160,828	81:0
771	97	278	22:57:00.066	175IY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,828	86:0
772	97	278	22:57:00.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1582.49 +/- 3	1O0	4	0	4,160,828	87:0
773	97	278	22:57:00.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1582.49 +/- 3	1O0	4	0	4,160,828	87:0
774	97	278	22:57:03.400	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,829	00:0
775	97	278	22:57:03.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1591.86 +/- 3	1O0	4	0	4,160,829	00:0
776	97	278	22:57:04.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1592.86 +/- 3	1O0	4	0	4,160,829	01:8
777	97	278	22:57:16.066	175IZ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,829	19:0
778	97	278	22:57:16.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1592.86 +/- 3	1O0	4	0	4,160,829	19:0
779	97	278	22:57:22.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1592.86 +/- 3	1O0	4	0	4,160,829	29:0
780	97	278	22:57:26.066	175IZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,829	34:0
781	97	278	22:57:26.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1599.16 +/- 3	1O0	4	0	4,160,829	35:0
782	97	278	22:57:26.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1599.16 +/- 3	1O0	4	0	4,160,829	35:0
783	97	278	22:57:34.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1624.94 +/- 3	1O0	4	0	4,160,829	46:0
784	97	278	22:57:34.066	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,829	46:0
785	97	278	22:57:35.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1625.94 +/- 3	1O0	4	0	4,160,829	47:8
786	97	278	22:58:03.400	165IL4A	7SCAN	NORM,143.957998,	Check S/P Position	1O0	4	0	4,160,829	90:0
787	97	278	23:02:05.400	165IL4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,833	89:0
788	97	278	23:02:58.066	175JA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,834	77:0
789	97	278	23:02:58.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1625.94 +/- 3	1O0	4	0	4,160,834	77:0
790	97	278	23:02:59.400	118IL	**SMOS**	GS		1O0	4	0	4,160,834	79:0
791	97	278	23:03:04.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1625.94 +/- 3	1O0	4	0	4,160,834	87:0
792	97	278	23:03:08.066	175JA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,835	01:0
793	97	278	23:03:08.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1632.24 +/- 3	1O0	4	0	4,160,835	02:0
794	97	278	23:03:08.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1632.24 +/- 3	1O0	4	0	4,160,835	02:0
795	97	278	23:03:09.400	118IL110A111A4A	7STRP	0.0,-0.008,228,0	Slew =,3.01	1O0	4	0	4,160,835	03:0
796	97	278	23:03:22.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1681.46 +/- 3	1O0	4	0	4,160,835	23:0
797	97	278	23:03:22.733	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,835	23:0
798	97	278	23:03:23.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1682.46 +/- 3	1O0	4	0	4,160,835	24:8
799	97	278	23:04:12.066	117IL	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,836	06:0
800	97	278	23:04:14.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1682.46 +/- 3	1O0	4	0	4,160,836	09:0
801	97	278	23:04:14.066	175JB422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,836	09:0
802	97	278	23:04:20.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1682.46 +/- 3	1O0	4	0	4,160,836	19:0
803	97	278	23:04:24.066	175JB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,836	24:0
804	97	278	23:04:24.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1688.76 +/- 3	1O0	4	0	4,160,836	25:0
805	97	278	23:04:24.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1688.76 +/- 3	1O0	4	0	4,160,836	25:0
806	97	278	23:04:25.400	116IL4A	7STRP	-0.003,0.004,0,0	Slew =,3.01	1O0	4	0	4,160,836	26:0
807	97	278	23:04:25.400	118IL11A	**SMOS**	GE		1O0	4	0	4,160,836	26:0
808	97	278	23:04:36.733	117IL105A106A4A	7STRP	0.008,0.0,0,0,0,	Slew =,0.12	1O0	4	0	4,160,836	43:0
809	97	278	23:04:38.733	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,836	46:0
810	97	278	23:04:38.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1737.98 +/- 3	1O0	4	0	4,160,836	46:0
811	97	278	23:04:39.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1738.98 +/- 3	1O0	4	0	4,160,836	47:8
812	97	278	23:05:12.733	117IM	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,837	06:0
813	97	278	23:05:45.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1738.98 +/- 3	1O0	4	0	4,160,837	55:0
814	97	278	23:05:45.400	175JC422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,837	55:0
815	97	278	23:05:52.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1738.98 +/- 3	1O0	4	0	4,160,837	65:0
816	97	278	23:05:55.400	175JC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,837	70:0
817	97	278	23:05:55.400	117IL11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,837	70:0
818	97	278	23:05:56.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1745.28 +/- 3	1O0	4	0	4,160,837	71:0
819	97	278	23:05:56.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1745.28 +/- 3	1O0	4	0	4,160,837	71:0
820	97	278	23:05:57.400	116IM4A	7STRP	-0.005,0.004,0,0	Slew =,3.01	1O0	4	0	4,160,837	73:0
821	97	278	23:06:07.400	117IM105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	1O0	4	0	4,160,837	88:0
822	97	278	23:06:09.400	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,838	00:0
823	97	278	23:06:09.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1792.16 +/- 3	1O0	4	0	4,160,838	00:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
824	97	278	23:06:10.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1793.16 +/- 3	1O0	4	0	4,160,838	01:8
825	97	278	23:07:14.066	117IN	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,839	06:0
826	97	278	23:07:22.733	175JD422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,839	19:0
827	97	278	23:07:22.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1793.16 +/- 3	1O0	4	0	4,160,839	19:0
828	97	278	23:07:26.066	117IM11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,839	24:0
829	97	278	23:07:27.400	116IN4A	7STRP	-0.002,-0.008,0,	Slew =,3.01	1O0	4	0	4,160,839	26:0
830	97	278	23:07:29.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1793.16 +/- 3	1O0	4	0	4,160,839	29:0
831	97	278	23:07:32.733	175JD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,839	34:0
832	97	278	23:07:33.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1799.46 +/- 3	1O0	4	0	4,160,839	35:0
833	97	278	23:07:33.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1799.46 +/- 3	1O0	4	0	4,160,839	35:0
834	97	278	23:07:38.733	117IN105A106A4A	7STRP	0.002,0.0,0,0,0,	Slew =,0.03	1O0	4	0	4,160,839	43:0
835	97	278	23:07:40.733	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,839	46:0
836	97	278	23:07:40.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1825.24 +/- 3	1O0	4	0	4,160,839	46:0
837	97	278	23:07:41.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1826.24 +/- 3	1O0	4	0	4,160,839	47:8
838	97	278	23:08:47.400	175JE422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,840	55:0
839	97	278	23:08:47.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1826.24 +/- 3	1O0	4	0	4,160,840	55:0
840	97	278	23:08:54.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1826.24 +/- 3	1O0	4	0	4,160,840	65:0
841	97	278	23:08:57.400	117IN11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,840	70:0
842	97	278	23:08:57.400	175JE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,840	70:0
843	97	278	23:08:58.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1832.54 +/- 3	1O0	4	0	4,160,840	71:0
844	97	278	23:08:58.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1832.54 +/- 3	1O0	4	0	4,160,840	71:0
845	97	278	23:08:58.733	116IO4A	7STRP	-0.001,0.00835,0	Slew =,3.01	1O0	4	0	4,160,840	72:0
846	97	278	23:09:04.733	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,840	81:0
847	97	278	23:09:04.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1855.97 +/- 3	1O0	4	0	4,160,840	81:0
848	97	278	23:09:05.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1856.97 +/- 3	1O0	4	0	4,160,840	82:8
849	**97**	**278**	**23:12:12.066**	**432SE6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**4,160,843**	**89:0**
850	97	278	23:16:55.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1856.97 +/- 3	1O0	4	0	4,160,848	59:0
851	97	278	23:16:55.400	175JF422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,848	59:0
852	97	278	23:17:02.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1856.97 +/- 3	1O0	4	0	4,160,848	69:0
853	97	278	23:17:05.400	175JF176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,848	74:0
854	97	278	23:17:06.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1863.27 +/- 3	1O0	4	0	4,160,848	75:0
855	97	278	23:17:06.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1863.27 +/- 3	1O0	4	0	4,160,848	75:0
856	97	278	23:17:16.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1900.77 +/- 3	1O0	4	0	4,160,849	00:0
857	97	278	23:17:16.733	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,849	00:0
858	97	278	23:17:17.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1901.77 +/- 3	1O0	4	0	4,160,849	01:8
859	97	278	23:20:50.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1901.77 +/- 3	1O0	4	0	4,160,852	48:0
860	97	278	23:20:50.733	175JG422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,852	48:0
861	97	278	23:20:57.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1901.77 +/- 3	1O0	4	0	4,160,852	58:0
862	97	278	23:21:00.733	175JG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,852	63:0
863	97	278	23:21:01.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1908.07 +/- 3	1O0	4	0	4,160,852	64:0
864	97	278	23:21:01.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1908.07 +/- 3	1O0	4	0	4,160,852	64:0
865	97	278	23:21:04.733	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,852	69:0
866	97	278	23:21:04.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1919.79 +/- 3	1O0	4	0	4,160,852	69:0
867	97	278	23:21:05.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1920.79 +/- 3	1O0	4	0	4,160,852	70:8
868	97	278	23:24:38.066	175JH422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,856	25:0
869	97	278	23:24:38.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1920.79 +/- 3	1O0	4	0	4,160,856	25:0
870	97	278	23:24:44.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1920.79 +/- 3	1O0	4	0	4,160,856	35:0
871	97	278	23:24:48.066	175JH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,856	40:0
872	97	278	23:24:48.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1927.09 +/- 3	1O0	4	0	4,160,856	41:0
873	97	278	23:24:48.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1927.09 +/- 3	1O0	4	0	4,160,856	41:0
874	97	278	23:24:52.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1938.81 +/- 3	1O0	4	0	4,160,856	46:0
875	97	278	23:24:52.066	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,856	46:0
876	97	278	23:24:53.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1939.81 +/- 3	1O0	4	0	4,160,856	47:8
877	97	278	23:28:25.400	175JI422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,860	02:0
878	97	278	23:28:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1939.81 +/- 3	1O0	4	0	4,160,860	02:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
879	97	278	23:28:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1939.81 +/- 3	1O0	4	0	4,160,860:12:0	
880	97	278	23:28:35.400	175JI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,860:17:0	
881	97	278	23:28:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1946.11 +/- 3	1O0	4	0	4,160,860:18:0	
882	97	278	23:28:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1946.11 +/- 4	1O0	4	0	4,160,860:18:0	
883	97	278	23:28:39.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1957.83 +/- 4	1O0	4	0	4,160,860:23:0	
884	97	278	23:28:39.400	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,860:23:0	
885	97	278	23:28:40.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1958.83 +/- 4	1O0	4	0	4,160,860:24:8	
886	97	278	23:32:13.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1958.83 +/- 4	1O0	4	0	4,160,863:71:0	
887	97	278	23:32:13.400	175JJ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,863:71:0	
888	97	278	23:32:14.066	116IP4A	7STRP	-0.00575,0.001,0	Slew =,3.01	1O0	4	0	4,160,863:72:0	
889	97	278	23:32:20.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1958.83 +/- 4	1O0	4	0	4,160,863:81:0	
890	97	278	23:32:23.400	175JJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,863:86:0	
891	97	278	23:32:24.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1965.13 +/- 4	1O0	4	0	4,160,863:87:0	
892	97	278	23:32:24.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1965.13 +/- 4	1O0	4	0	4,160,863:87:0	
893	97	278	23:32:26.733	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,864:00:0	
894	97	278	23:32:26.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *1974.51 +/- 4	1O0	4	0	4,160,864:00:0	
895	97	278	23:32:27.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *1975.51 +/- 4	1O0	4	0	4,160,864:01:8	
896	97	278	23:32:39.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 1975.51 +/- 4	1O0	4	0	4,160,864:19:0	
897	97	278	23:32:39.400	175JK422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,864:19:0	
898	97	278	23:32:46.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 1975.51 +/- 4	1O0	4	0	4,160,864:29:0	
899	97	278	23:32:49.400	175JK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,864:34:0	
900	97	278	23:32:50.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 1981.81 +/- 4	1O0	4	0	4,160,864:35:0	
901	97	278	23:32:50.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *1981.81 +/- 4	1O0	4	0	4,160,864:35:0	
902	97	278	23:32:57.400	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,864:46:0	
903	97	278	23:32:57.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2007.59 +/- 4	1O0	4	0	4,160,864:46:0	
904	97	278	23:32:58.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2008.59 +/- 4	1O0	4	0	4,160,864:47:8	
905	97	278	23:53:09.400	165IX4A	7SCAN	NORM,143.963999,	Check S/P Position	1O0	4	0	4,160,884:44:0	
906	97	278	23:54:45.400	118IX	**SMOS**	GS		1O0	4	0	4,160,886:06:0	
907	97	278	23:55:28.733	118IX110A111A4A	7STRP	0.00725,0.0,92,0	Slew =,3.01	1O0	4	0	4,160,886:71:0	
908	97	278	23:55:48.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2008.59 +/- 4	1O0	4	0	4,160,887:09:0	
909	97	278	23:55:48.066	175KU422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,887:09:0	
910	97	278	23:55:54.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2008.59 +/- 4	1O0	4	0	4,160,887:19:0	
911	97	278	23:55:58.066	175KU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,887:24:0	
912	97	278	23:55:58.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2014.89 +/- 4	1O0	4	0	4,160,887:25:0	
913	97	278	23:55:58.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2014.89 +/- 4	1O0	4	0	4,160,887:25:0	
914	97	278	23:55:59.400	118IX110A111B4A	7STRP	0.0,0.013001,0,0	Slew =,8.01	1O0	4	0	4,160,887:26:0	
915	97	278	23:56:12.733	175KU422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,887:46:0	
916	97	278	23:56:12.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2064.11 +/- 4	1O0	4	0	4,160,887:46:0	
917	97	278	23:56:13.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2065.11 +/- 4	1O0	4	0	4,160,887:47:8	
918	97	278	23:56:18.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2065.11 +/- 4	1O0	4	0	4,160,887:55:0	
919	97	278	23:56:18.733	175KV422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,887:55:0	
920	97	278	23:56:25.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2065.11 +/- 4	1O0	4	0	4,160,887:65:0	
921	97	278	23:56:28.733	175KV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,887:70:0	
922	97	278	23:56:29.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2071.41 +/- 4	1O0	4	0	4,160,887:71:0	
923	97	278	23:56:29.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2071.41 +/- 4	1O0	4	0	4,160,887:71:0	
924	97	278	23:56:30.066	118IX110A111B4B	7STRP	0.00725,0.0,92,0	Slew =,3.01	1O0	4	0	4,160,887:72:0	
925	97	278	23:56:42.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2118.28 +/- 4	1O0	4	0	4,160,888:00:0	
926	97	278	23:56:42.733	175KV422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,888:00:0	
927	97	278	23:56:43.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2119.28 +/- 4	1O0	4	0	4,160,888:01:8	
928	97	278	23:56:48.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2119.28 +/- 4	1O0	4	0	4,160,888:09:0	
929	97	278	23:56:48.733	175KW422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,888:09:0	
930	97	278	23:56:55.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2119.28 +/- 4	1O0	4	0	4,160,888:19:0	
931	97	278	23:56:58.733	175KW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,888:24:0	
932	97	278	23:56:59.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2125.58 +/- 4	1O0	4	0	4,160,888:25:0	
933	97	278	23:56:59.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2125.58 +/- 4	1O0	4	0	4,160,888:25:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
934	97	278	23:57:00.733	118IX110A111C4A	7STRP	-0.00375,-0.0065	Slew =,8.01	1O0	4	0	4,160,888	27:0
935	97	278	23:57:13.400	175KW422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,888	46:0
936	97	278	23:57:13.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2174.80 +/- 4	1O0	4	0	4,160,888	46:0
937	97	278	23:57:14.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2175.80 +/- 4	1O0	4	0	4,160,888	47:8
938	97	278	23:57:19.400	175KX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,888	55:0
939	97	278	23:57:19.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2175.80 +/- 4	1O0	4	0	4,160,888	55:0
940	97	278	23:57:26.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2175.80 +/- 4	1O0	4	0	4,160,888	65:0
941	97	278	23:57:29.400	175KX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,888	70:0
942	97	278	23:57:30.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2182.10 +/- 4	1O0	4	0	4,160,888	71:0
943	97	278	23:57:30.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2182.10 +/- 4	1O0	4	0	4,160,888	71:0
944	97	278	23:57:31.400	118IX110A111C4B	7STRP	0.00725,0.0,92,0	Slew =,3.01	1O0	4	0	4,160,888	73:0
945	97	278	23:57:43.400	175KX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,889	00:0
946	97	278	23:57:43.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2228.97 +/- 4	1O0	4	0	4,160,889	00:0
947	97	278	23:57:44.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2229.97 +/- 4	1O0	4	0	4,160,889	01:8
948	97	278	23:57:49.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2229.97 +/- 4	1O0	4	0	4,160,889	09:0
949	97	278	23:57:49.400	175KY422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,889	09:0
950	97	278	23:57:56.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2229.97 +/- 4	1O0	4	0	4,160,889	19:0
951	97	278	23:57:59.400	175KY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,889	24:0
952	97	278	23:58:00.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2236.27 +/- 4	1O0	4	0	4,160,889	25:0
953	97	278	23:58:00.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2236.27 +/- 4	1O0	4	0	4,160,889	25:0
954	97	278	23:58:14.066	175KY422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,889	46:0
955	97	278	23:58:14.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2285.49 +/- 4	1O0	4	0	4,160,889	46:0
956	97	278	23:58:15.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2286.49 +/- 4	1O0	4	0	4,160,889	47:8
957	97	278	23:58:20.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2286.49 +/- 4	1O0	4	0	4,160,889	55:0
958	97	278	23:58:20.066	175KZ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,889	55:0
959	97	278	23:58:26.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2286.49 +/- 4	1O0	4	0	4,160,889	65:0
960	97	278	23:58:30.066	175KZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,889	70:0
961	97	278	23:58:30.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2292.79 +/- 4	1O0	4	0	4,160,889	71:0
962	97	278	23:58:30.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2292.79 +/- 4	1O0	4	0	4,160,889	71:0
963	97	278	23:58:32.733	118IX11A	**SMOS**	GE		1O0	4	0	4,160,889	74:0
964	97	278	23:58:33.400	116JX4A	7STRP	0.007,0.0,0,0,0,	Slew =,3.01	1O0	4	0	4,160,889	75:0
965	97	278	23:58:44.066	175KZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,890	00:0
966	97	278	23:58:44.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2339.67 +/- 4	1O0	4	0	4,160,890	00:0
967	97	278	23:58:45.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2340.67 +/- 4	1O0	4	0	4,160,890	01:8
968	97	278	23:58:48.066	118JX	**SMOS**	GS		1O0	4	0	4,160,890	06:0
969	97	278	23:58:50.066	175LA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,890	09:0
970	97	278	23:58:50.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2340.67 +/- 4	1O0	4	0	4,160,890	09:0
971	97	278	23:58:56.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2340.67 +/- 4	1O0	4	0	4,160,890	19:0
972	97	278	23:59:00.066	175LA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,890	24:0
973	97	278	23:59:00.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2346.97 +/- 4	1O0	4	0	4,160,890	25:0
974	97	278	23:59:00.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2346.97 +/- 4	1O0	4	0	4,160,890	25:0
975	97	278	23:59:01.400	118JX110A111A4A	7STRP	0.007,0.0,92,0,0	Slew =,3.01	1O0	4	0	4,160,890	26:0
976	97	278	23:59:14.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2396.19 +/- 4	1O0	4	0	4,160,890	46:0
977	97	278	23:59:14.733	175LA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,890	46:0
978	97	278	23:59:15.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2397.19 +/- 4	1O0	4	0	4,160,890	47:8
979	97	278	23:59:20.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2397.19 +/- 4	1O0	4	0	4,160,890	55:0
980	97	278	23:59:20.733	175LB422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,890	55:0
981	97	278	23:59:27.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2397.19 +/- 4	1O0	4	0	4,160,890	65:0
982	97	278	23:59:30.733	175LB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,890	70:0
983	97	278	23:59:31.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2403.49 +/- 4	1O0	4	0	4,160,890	71:0
984	97	278	23:59:31.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2403.49 +/- 4	1O0	4	0	4,160,890	71:0
985	97	278	23:59:44.733	175LB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,891	00:0
986	97	278	23:59:44.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2450.36 +/- 4	1O0	4	0	4,160,891	00:0
987	97	278	23:59:45.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2451.36 +/- 4	1O0	4	0	4,160,891	01:8
988	97	278	23:59:50.733	175LC422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,891	09:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
989	97	278	23:59:50.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2451.36 +/- 4	1O0	4	0	4,160,891	09:0
990	97	278	23:59:57.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2451.36 +/- 4	1O0	4	0	4,160,891	19:0
991	97	279	00:00:00.733	175LC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,891	24:0
992	97	279	00:00:01.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2457.66 +/- 4	1O0	4	0	4,160,891	25:0
993	97	279	00:00:01.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2457.66 +/- 4	1O0	4	0	4,160,891	25:0
994	97	279	00:00:15.400	175LC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,891	46:0
995	97	279	00:00:15.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2506.88 +/- 4	1O0	4	0	4,160,891	46:0
996	97	279	00:00:16.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2507.88 +/- 4	1O0	4	0	4,160,891	47:8
997	97	279	00:00:21.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2507.88 +/- 4	1O0	4	0	4,160,891	55:0
998	97	279	00:00:21.400	175UL422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,891	55:0
999	97	279	00:00:28.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2507.88 +/- 4	1O0	4	0	4,160,891	65:0
1000	97	279	00:00:31.400	175UL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,891	70:0
1001	97	279	00:00:32.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2514.18 +/- 4	1O0	4	0	4,160,891	71:0
1002	97	279	00:00:32.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2514.18 +/- 4	1O0	4	0	4,160,891	71:0
1003	97	279	00:00:33.400	118JX11A	**SMOS**	GE		1O0	4	0	4,160,891	73:0
1004	97	279	00:00:45.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2561.06 +/- 4	1O0	4	0	4,160,892	00:0
1005	97	279	00:00:45.400	175UL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,892	00:0
1006	97	279	00:00:46.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2562.06 +/- 4	1O0	4	0	4,160,892	01:8
1007	97	279	00:13:53.400	165IQ4A	7SCAN	NORM,144.025999,	Check S/P Position	1O0	4	0	4,160,904	90:0
1008	97	279	00:14:53.400	165IQ4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,905	89:0
1009	97	279	00:16:32.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2562.06 +/- 4	1O0	4	0	4,160,907	55:0
1010	97	279	00:16:32.066	175JL422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,907	55:0
1011	97	279	00:16:38.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2562.06 +/- 4	1O0	4	0	4,160,907	65:0
1012	97	279	00:16:42.066	175JL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,907	70:0
1013	97	279	00:16:42.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2568.36 +/- 4	1O0	4	0	4,160,907	71:0
1014	97	279	00:16:42.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2568.36 +/- 4	1O0	4	0	4,160,907	71:0
1015	97	279	00:16:56.066	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,908	00:0
1016	97	279	00:16:56.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2615.23 +/- 4	1O0	4	0	4,160,908	00:0
1017	97	279	00:16:57.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2616.23 +/- 4	1O0	4	0	4,160,908	01:8
1018	97	279	00:18:00.733	118IQ	**SMOS**	GS		1O0	4	0	4,160,909	06:0
1019	97	279	00:18:33.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2616.23 +/- 4	1O0	4	0	4,160,909	55:0
1020	97	279	00:18:33.400	175JM422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,909	55:0
1021	97	279	00:18:40.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2616.23 +/- 4	1O0	4	0	4,160,909	65:0
1022	97	279	00:18:43.400	175JM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,909	70:0
1023	97	279	00:18:44.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2622.53 +/- 4	1O0	4	0	4,160,909	71:0
1024	97	279	00:18:44.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2622.53 +/- 4	1O0	4	0	4,160,909	71:0
1025	97	279	00:18:44.066	118IQ110A111A4A	7STRP	0.0,-0.008,728,0	Slew =,3.01	1O0	4	0	4,160,909	71:0
1026	97	279	00:18:57.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2669.41 +/- 4	1O0	4	0	4,160,910	00:0
1027	97	279	00:18:57.400	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,910	00:0
1028	97	279	00:18:58.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2670.41 +/- 5	1O0	4	0	4,160,910	01:8
1029	97	279	00:20:34.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2670.41 +/- 5	1O0	4	0	4,160,911	55:0
1030	97	279	00:20:34.733	175JN422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,911	55:0
1031	97	279	00:20:41.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2670.41 +/- 5	1O0	4	0	4,160,911	65:0
1032	97	279	00:20:44.733	175JN176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,911	70:0
1033	97	279	00:20:45.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2676.71 +/- 5	1O0	4	0	4,160,911	71:0
1034	97	279	00:20:45.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2676.71 +/- 5	1O0	4	0	4,160,911	71:0
1035	97	279	00:20:58.733	175JN422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,912	00:0
1036	97	279	00:20:58.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2723.58 +/- 5	1O0	4	0	4,160,912	00:0
1037	97	279	00:20:59.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2724.58 +/- 5	1O0	4	0	4,160,912	01:8
1038	97	279	00:22:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2724.58 +/- 5	1O0	4	0	4,160,913	55:0
1039	97	279	00:22:36.066	175JO422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,913	55:0
1040	97	279	00:22:42.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2724.58 +/- 5	1O0	4	0	4,160,913	65:0
1041	97	279	00:22:46.066	175JO176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,913	70:0
1042	97	279	00:22:46.733	118IQ11A	**SMOS**	GE		1O0	4	0	4,160,913	71:0
1043	97	279	00:22:46.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2730.88 +/- 5	1O0	4	0	4,160,913	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1044	97	279	00:22:46.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2730.88 +/- 5	1O0	4	0	4,160,913:71:0	
1045	97	279	00:22:49.400	116IQ4A	7STRP	0.0,0.00835,0,0,	Slew =,3.01	1O0	4	0	4,160,913:75:0	
1046	97	279	00:23:00.066	175JO422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,914:00:0	
1047	97	279	00:23:00.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2777.76 +/- 5	1O0	4	0	4,160,914:00:0	
1048	97	279	00:23:01.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2778.76 +/- 5	1O0	4	0	4,160,914:01:8	
1049	97	279	00:25:40.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2778.76 +/- 5	1O0	4	0	4,160,916:59:0	
1050	97	279	00:25:40.733	175JP422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,916:59:0	
1051	97	279	00:25:47.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2778.76 +/- 5	1O0	4	0	4,160,916:69:0	
1052	97	279	00:25:50.733	175JP176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,916:74:0	
1053	97	279	00:25:51.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2785.06 +/- 5	1O0	4	0	4,160,916:75:0	
1054	97	279	00:25:51.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2785.06 +/- 5	1O0	4	0	4,160,916:75:0	
1055	97	279	00:26:02.066	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,917:00:0	
1056	97	279	00:26:02.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2822.56 +/- 5	1O0	4	0	4,160,917:00:0	
1057	97	279	00:26:03.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2823.56 +/- 5	1O0	4	0	4,160,917:01:8	
1058	97	279	00:29:36.066	175JQ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,920:48:0	
1059	97	279	00:29:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2823.56 +/- 5	1O0	4	0	4,160,920:48:0	
1060	97	279	00:29:42.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2823.56 +/- 5	1O0	4	0	4,160,920:58:0	
1061	97	279	00:29:46.066	175JQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,920:63:0	
1062	97	279	00:29:46.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2829.86 +/- 5	1O0	4	0	4,160,920:64:0	
1063	97	279	00:29:46.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2829.86 +/- 5	1O0	4	0	4,160,920:64:0	
1064	97	279	00:29:50.066	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,920:69:0	
1065	97	279	00:29:50.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2841.57 +/- 5	1O0	4	0	4,160,920:69:0	
1066	97	279	00:29:51.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2842.57 +/- 5	1O0	4	0	4,160,920:70:8	
1067	97	279	00:33:23.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2842.57 +/- 5	1O0	4	0	4,160,924:25:0	
1068	97	279	00:33:23.400	175JR422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,924:25:0	
1069	97	279	00:33:30.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2842.57 +/- 5	1O0	4	0	4,160,924:35:0	
1070	97	279	00:33:33.400	175JR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,924:40:0	
1071	97	279	00:33:34.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2848.87 +/- 5	1O0	4	0	4,160,924:41:0	
1072	97	279	00:33:34.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2848.87 +/- 5	1O0	4	0	4,160,924:41:0	
1073	97	279	00:33:37.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2860.59 +/- 5	1O0	4	0	4,160,924:46:0	
1074	97	279	00:33:37.400	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,924:46:0	
1075	97	279	00:33:38.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2861.59 +/- 5	1O0	4	0	4,160,924:47:8	
1076	97	279	00:37:10.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2861.59 +/- 5	1O0	4	0	4,160,928:02:0	
1077	97	279	00:37:10.733	175JS422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,928:02:0	
1078	97	279	00:37:17.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2861.59 +/- 5	1O0	4	0	4,160,928:12:0	
1079	97	279	00:37:20.733	175JS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,928:17:0	
1080	97	279	00:37:21.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2867.89 +/- 5	1O0	4	0	4,160,928:18:0	
1081	97	279	00:37:21.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2867.89 +/- 5	1O0	4	0	4,160,928:18:0	
1082	97	279	00:37:24.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2879.61 +/- 5	1O0	4	0	4,160,928:23:0	
1083	97	279	00:37:24.733	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,928:23:0	
1084	97	279	00:37:25.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2880.61 +/- 5	1O0	4	0	4,160,928:24:8	
1085	97	279	00:40:58.733	175JT422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,931:71:0	
1086	97	279	00:40:58.733	116IS4A	7STRP	0.00475,0.001,0,	Slew =,3.01	1O0	4	0	4,160,931:71:0	
1087	97	279	00:40:58.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2880.61 +/- 5	1O0	4	0	4,160,931:71:0	
1088	97	279	00:41:05.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2880.61 +/- 5	1O0	4	0	4,160,931:81:0	
1089	97	279	00:41:08.733	175JT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,931:86:0	
1090	97	279	00:41:09.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2886.91 +/- 5	1O0	4	0	4,160,931:87:0	
1091	97	279	00:41:09.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2886.91 +/- 5	1O0	4	0	4,160,931:87:0	
1092	97	279	00:41:12.066	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,932:00:0	
1093	97	279	00:41:12.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2896.29 +/- 5	1O0	4	0	4,160,932:00:0	
1094	97	279	00:41:13.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2897.29 +/- 5	1O0	4	0	4,160,932:01:8	
1095	97	279	00:41:24.733	175JU422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,932:19:0	
1096	97	279	00:41:24.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2897.29 +/- 5	1O0	4	0	4,160,932:19:0	
1097	97	279	00:41:31.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 2897.29 +/- 5	1O0	4	0	4,160,932:29:0	
1098	97	279	00:41:34.733	175JU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,932:34:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1099	97	279	00:41:35.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 2903.59 +/- 5	1O0	4	0	4,160,932:35:0	
1100	97	279	00:41:35.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *2903.59 +/- 5	1O0	4	0	4,160,932:35:0	
1101	97	279	00:41:42.733	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,932:46:0	
1102	97	279	00:41:42.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *2929.37 +/- 5	1O0	4	0	4,160,932:46:0	
1103	97	279	00:41:43.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2930.37 +/- 5	1O0	4	0	4,160,932:47:8	
1104	97	279	00:42:12.733	411JH6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	1O0	4	0	4,160,933:00:0	
1105	97	279	00:42:12.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2930.37 +/- 5	1O0	4	0	4,160,933:00:0	
1106	97	279	00:42:19.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2930.37 +/- 5	1O0	4	0	4,160,933:10:0	
1107	97	279	00:42:20.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2930.49 +/- 5	1O0	4	0	4,160,933:12:1	
1108	97	279	00:42:20.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2930.49 +/- 5	1O0	4	0	4,160,933:12:1	
1109	97	279	00:42:22.733	411JH6B	6TMREC	BDT	7.68 KBPS BUFFER DUMP TO TAPE Record Mode	1O0	4	0	4,160,933:15:0	
1110	97	279	00:44:13.400	165AV4A	7SCAN	NORM,143.625,14.	Check S/P Position	1O0	4	0	4,160,934:90:0	
1111	97	279	00:44:24.066	411JH6C	6TMREC	**NRC**	NO RECORD Record Mode Change	1O0	4	0	4,160,935:15:0	
1112	97	279	00:44:24.733	411JH6D	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,935:16:0	
1113	97	279	00:44:24.733		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *2959.54 +/- 5	1O0	4	0	4,160,935:16:0	
1114	97	279	00:44:25.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *2959.60 +/- 5	1O0	4	0	4,160,935:17:8	
1115	97	279	00:46:06.066	117AV	**CSMOS**	GS	***** GROUP START CSMOS	1O0	4	0	4,160,936:77:0	
1116	97	279	00:46:06.733	175AV422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,160,936:78:0	
1117	97	279	00:46:06.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 2959.60 +/- 5	1O0	4	0	4,160,936:78:0	
1118	97	279	00:46:13.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 2959.60 +/- 5	1O0	4	0	4,160,936:88:0	
1119	97	279	00:46:14.733	175AV176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,160,936:90:0	
1120	97	279	00:46:14.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 2959.72 +/- 5	1O0	4	0	4,160,936:90:1	
1121	97	279	00:46:14.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *2959.72 +/- 5	1O0	4	0	4,160,936:90:1	
1122	97	279	00:46:15.400	117AV105A106A4A	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,937:00:0	
1123	97	279	00:47:16.066	117AV105A106A4B	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,938:00:0	
1124	97	279	00:48:16.733	117AV105A106A4C	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,939:00:0	
1125	97	279	00:49:17.400	117AV105A106A4D	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,940:00:0	
1126	97	279	00:50:18.066	117AV105A106A4E	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,941:00:0	
1127	97	279	00:51:18.733	117AV105A106A4F	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,942:00:0	
1128	97	279	00:52:19.400	117AV105A106A4G	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,943:00:0	
1129	97	279	00:53:20.066	117AV105A106A4H	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,944:00:0	
1130	97	279	00:54:20.733	117AV105A106A4I	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,945:00:0	
1131	97	279	00:55:21.400	117AV105A106A4J	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,946:00:0	
1132	97	279	00:56:22.066	117AV105A106A4K	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,947:00:0	
1133	97	279	00:57:22.733	117AV105A106A4L	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,948:00:0	
1134	97	279	00:58:23.400	117AV105A106A4M	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,949:00:0	
1135	97	279	00:59:24.066	117AV105A106A4N	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,950:00:0	
1136	97	279	01:00:24.733	117AV105A106A4O	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,951:00:0	
1137	97	279	01:01:25.400	117AV105A106A4P	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,952:00:0	
1138	97	279	01:02:26.066	117AV105A106A4Q	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,953:00:0	
1139	97	279	01:03:26.733	117AV105A106A4R	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,954:00:0	
1140	97	279	01:04:27.400	117AV105A106A4S	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,955:00:0	
1141	97	279	01:05:28.066	117AV105A106A4T	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,956:00:0	
1142	97	279	01:06:28.733	117AV105A106A4U	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,957:00:0	
1143	97	279	01:07:29.400	117AV105A106A4V	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,958:00:0	
1144	97	279	01:08:30.066	117AV105A106A4W	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,959:00:0	
1145	97	279	01:09:30.733	117AV105A106A4X	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,960:00:0	
1146	97	279	01:10:31.400	117AV105A106A4Y	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,961:00:0	
1147	97	279	01:11:32.066	117AV105A106A4Z	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,962:00:0	
1148	97	279	01:12:32.733	117AV105A106A4AA	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,963:00:0	
1149	97	279	01:13:33.400	117AV105A106A4AB	7STRP	-0.005,0.0,0,0,0	Slew =12.01	1O0	4	0	4,160,964:00:0	
1150	97	279	01:14:34.066	117AV105A106A4AC	7STRP	0.005,0.0,0,0,0,	Slew =0,0.1	1O0	4	0	4,160,965:00:0	
1151	97	279	01:15:34.733	117AV11A	**CSMOS**	GE	***** GROUP END CSMOS	1O0	4	0	4,160,966:00:0	
1152	97	279	01:16:35.400		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *3386.42 +/- 5	1O0	4	0	4,160,967:00:0	
1153	97	279	01:16:35.400	175AV422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,967:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1154	97	279	01:16:36.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3386.48 +/- 5	1O0	4	0	4,160,967:01:8	
1155	97	279	01:28:42.733	165IT4A	7SCAN	NORM,144.095999,	Check S/P Position	1O0	4	0	4,160,978:90:0	
1156	97	279	01:29:42.733	165IT4B	7VECT		Inert vect update UTC	1O0	4	0	4,160,979:89:0	
1157	97	279	01:31:21.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3386.48 +/- 5	1O0	4	0	4,160,981:55:0	
1158	97	279	01:31:21.400	175JV422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,981:55:0	
1159	97	279	01:31:28.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3386.48 +/- 5	1O0	4	0	4,160,981:65:0	
1160	97	279	01:31:31.400	175JV176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,981:70:0	
1161	97	279	01:31:32.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3392.78 +/- 5	1O0	4	0	4,160,981:71:0	
1162	97	279	01:31:32.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3392.78 +/- 5	1O0	4	0	4,160,981:71:0	
1163	97	279	01:31:45.400	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,982:00:0	
1164	97	279	01:31:45.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3439.65 +/- 5	1O0	4	0	4,160,982:00:0	
1165	97	279	01:31:46.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3440.65 +/- 5	1O0	4	0	4,160,982:01:8	
1166	97	279	01:32:50.066	118IT	**SMOS**	GS		1O0	4	0	4,160,983:06:0	
1167	97	279	01:33:22.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3440.65 +/- 5	1O0	4	0	4,160,983:55:0	
1168	97	279	01:33:22.733	175JW422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,983:55:0	
1169	97	279	01:33:29.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3440.65 +/- 5	1O0	4	0	4,160,983:65:0	
1170	97	279	01:33:32.733	175JW176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,983:70:0	
1171	97	279	01:33:33.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3446.95 +/- 5	1O0	4	0	4,160,983:71:0	
1172	97	279	01:33:33.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3446.95 +/- 5	1O0	4	0	4,160,983:71:0	
1173	97	279	01:33:33.400	118IT110A111A4A	7STRP	0.0,-0.008,728,0	Slew =,3.01	1O0	4	0	4,160,983:71:0	
1174	97	279	01:33:46.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3493.83 +/- 5	1O0	4	0	4,160,984:00:0	
1175	97	279	01:33:46.733	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,984:00:0	
1176	97	279	01:33:47.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3494.83 +/- 5	1O0	4	0	4,160,984:01:8	
1177	97	279	01:35:24.066	175JX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,985:55:0	
1178	97	279	01:35:24.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3494.83 +/- 5	1O0	4	0	4,160,985:55:0	
1179	97	279	01:35:30.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3494.83 +/- 5	1O0	4	0	4,160,985:65:0	
1180	97	279	01:35:34.066	175JX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,985:70:0	
1181	97	279	01:35:34.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3501.13 +/- 5	1O0	4	0	4,160,985:71:0	
1182	97	279	01:35:34.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3501.13 +/- 5	1O0	4	0	4,160,985:71:0	
1183	97	279	01:35:48.066	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,986:00:0	
1184	97	279	01:35:48.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3548.00 +/- 5	1O0	4	0	4,160,986:00:0	
1185	97	279	01:35:49.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3549.00 +/- 5	1O0	4	0	4,160,986:01:8	
1186	97	279	01:37:25.400	175JY422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,987:55:0	
1187	97	279	01:37:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3549.00 +/- 5	1O0	4	0	4,160,987:55:0	
1188	97	279	01:37:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3549.00 +/- 5	1O0	4	0	4,160,987:65:0	
1189	97	279	01:37:35.400	175JY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,987:70:0	
1190	97	279	01:37:36.066	118IT11A	**SMOS**	GE		1O0	4	0	4,160,987:71:0	
1191	97	279	01:37:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3555.30 +/- 5	1O0	4	0	4,160,987:71:0	
1192	97	279	01:37:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3555.30 +/- 5	1O0	4	0	4,160,987:71:0	
1193	97	279	01:37:38.733	116IT4A	7STRP	0.0,0.00835,0,0,	Slew =,3.01	1O0	4	0	4,160,987:75:0	
1194	97	279	01:37:49.400	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,988:00:0	
1195	97	279	01:37:49.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3602.18 +/- 5	1O0	4	0	4,160,988:00:0	
1196	97	279	01:37:50.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3603.18 +/- 5	1O0	4	0	4,160,988:01:8	
1197	97	279	01:40:30.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3603.18 +/- 5	1O0	4	0	4,160,990:59:0	
1198	97	279	01:40:30.066	175JZ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,990:59:0	
1199	97	279	01:40:36.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3603.18 +/- 5	1O0	4	0	4,160,990:69:0	
1200	97	279	01:40:40.066	175JZ176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,990:74:0	
1201	97	279	01:40:40.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3609.48 +/- 5	1O0	4	0	4,160,990:75:0	
1202	97	279	01:40:40.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3609.48 +/- 5	1O0	4	0	4,160,990:75:0	
1203	97	279	01:40:51.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3646.98 +/- 5	1O0	4	0	4,160,991:00:0	
1204	97	279	01:40:51.400	175JZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,991:00:0	
1205	97	279	01:40:52.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3647.98 +/- 5	1O0	4	0	4,160,991:01:8	
1206	97	279	01:44:25.400	175KA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,994:48:0	
1207	97	279	01:44:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3647.98 +/- 5	1O0	4	0	4,160,994:48:0	
1208	97	279	01:44:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3647.98 +/- 5	1O0	4	0	4,160,994:58:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1209	97	279	01:44:35.400	175KA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,994:63:0	
1210	97	279	01:44:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3654.28 +/- 5	1O0	4	0	4,160,994:64:0	
1211	97	279	01:44:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3654.28 +/- 5	1O0	4	0	4,160,994:64:0	
1212	97	279	01:44:39.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3666.00 +/- 5	1O0	4	0	4,160,994:69:0	
1213	97	279	01:44:39.400	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,994:69:0	
1214	97	279	01:44:40.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3667.00 +/- 5	1O0	4	0	4,160,994:70:8	
1215	97	279	01:48:12.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3667.00 +/- 5	1O0	4	0	4,160,998:25:0	
1216	97	279	01:48:12.733	175KB422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,160,998:25:0	
1217	97	279	01:48:19.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3667.00 +/- 5	1O0	4	0	4,160,998:35:0	
1218	97	279	01:48:22.733	175KB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,160,998:40:0	
1219	97	279	01:48:23.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3673.30 +/- 5	1O0	4	0	4,160,998:41:0	
1220	97	279	01:48:23.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3673.30 +/- 6	1O0	4	0	4,160,998:41:0	
1221	97	279	01:48:26.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3685.02 +/- 6	1O0	4	0	4,160,998:46:0	
1222	97	279	01:48:26.733	175KB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,160,998:46:0	
1223	97	279	01:48:27.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3686.02 +/- 6	1O0	4	0	4,160,998:47:8	
1224	**97**	**279**	**01:49:57.400**	**432SF6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**1O0**	**4**	**0**	**4,161,000:00:0**	
1225	97	279	01:52:00.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3686.02 +/- 6	1O0	4	0	4,161,002:02:0	
1226	97	279	01:52:00.066	175KC422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,002:02:0	
1227	97	279	01:52:06.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3686.02 +/- 6	1O0	4	0	4,161,002:12:0	
1228	97	279	01:52:10.066	175KC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,002:17:0	
1229	97	279	01:52:10.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3692.32 +/- 6	1O0	4	0	4,161,002:18:0	
1230	97	279	01:52:10.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3692.32 +/- 6	1O0	4	0	4,161,002:18:0	
1231	97	279	01:52:14.066	175KC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,002:23:0	
1232	97	279	01:52:14.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3704.03 +/- 6	1O0	4	0	4,161,002:23:0	
1233	97	279	01:52:15.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3705.03 +/- 6	1O0	4	0	4,161,002:24:8	
1234	97	279	01:55:48.066	175KD422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,005:71:0	
1235	97	279	01:55:48.066	116IV4A	7STRP	0.00475,0.001,0,	Slew =,3.01	1O0	4	0	4,161,005:71:0	
1236	97	279	01:55:48.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3705.03 +/- 6	1O0	4	0	4,161,005:71:0	
1237	97	279	01:55:54.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3705.03 +/- 6	1O0	4	0	4,161,005:81:0	
1238	97	279	01:55:58.066	175KD176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,005:86:0	
1239	97	279	01:55:58.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3711.33 +/- 6	1O0	4	0	4,161,005:87:0	
1240	97	279	01:55:58.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3711.33 +/- 6	1O0	4	0	4,161,005:87:0	
1241	97	279	01:56:01.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3720.71 +/- 6	1O0	4	0	4,161,006:00:0	
1242	97	279	01:56:01.400	175KD422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,006:00:0	
1243	97	279	01:56:02.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3721.71 +/- 6	1O0	4	0	4,161,006:01:8	
1244	97	279	01:56:14.066	175KE422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,006:19:0	
1245	97	279	01:56:14.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3721.71 +/- 6	1O0	4	0	4,161,006:19:0	
1246	97	279	01:56:20.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3721.71 +/- 6	1O0	4	0	4,161,006:29:0	
1247	97	279	01:56:24.066	175KE176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,006:34:0	
1248	97	279	01:56:24.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3728.01 +/- 6	1O0	4	0	4,161,006:35:0	
1249	97	279	01:56:24.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3728.01 +/- 6	1O0	4	0	4,161,006:35:0	
1250	97	279	01:56:32.066	175KE422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,006:46:0	
1251	97	279	01:56:32.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3753.79 +/- 6	1O0	4	0	4,161,006:46:0	
1252	97	279	01:56:33.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3754.79 +/- 6	1O0	4	0	4,161,006:47:8	
1253	97	279	01:57:01.400	165IW4A	7SCAN	NORM,141.803999,	Check S/P Position	1O0	4	0	4,161,006:90:0	
1254	97	279	02:00:02.733	165IW4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,009:89:0	
1255	97	279	02:00:08.066	118IW	**SMOS**	GS		1O0	4	0	4,161,010:06:0	
1256	97	279	02:00:51.400	118IW110A111A4A	7STRP	-0.0014,0.0,182,	Slew =,3.01	1O0	4	0	4,161,010:71:0	
1257	97	279	02:04:54.066	118IW11A	**SMOS**	GE		1O0	4	0	4,161,014:71:0	
1258	97	279	02:05:04.066	175KF422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,014:86:0	
1259	97	279	02:05:04.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3754.79 +/- 6	1O0	4	0	4,161,014:86:0	
1260	97	279	02:05:10.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3754.79 +/- 6	1O0	4	0	4,161,015:05:0	
1261	97	279	02:05:14.066	175KF176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,015:10:0	
1262	97	279	02:05:14.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3761.09 +/- 6	1O0	4	0	4,161,015:11:0	
1263	97	279	02:05:14.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3761.09 +/- 6	1O0	4	0	4,161,015:11:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1264	97	279	02:05:30.733	175KF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,015:35:0	
1265	97	279	02:05:30.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3817.34 +/- 6	1O0	4	0	4,161,015:35:0	
1266	97	279	02:05:31.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3818.34 +/- 6	1O0	4	0	4,161,015:36:8	
1267	97	279	02:06:07.400	165IY4A	7SCAN	NORM,143.953999,	Check S/P Position	1O0	4	0	4,161,015:90:0	
1268	97	279	02:09:08.733	165IY4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,018:89:0	
1269	97	279	02:10:07.400	175KG422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,019:86:0	
1270	97	279	02:10:07.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3818.34 +/- 6	1O0	4	0	4,161,019:86:0	
1271	97	279	02:10:08.066	118IY	**SMOS**	GS		1O0	4	0	4,161,019:87:0	
1272	97	279	02:10:14.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3818.34 +/- 6	1O0	4	0	4,161,020:05:0	
1273	97	279	02:10:17.400	175KG176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,020:10:0	
1274	97	279	02:10:18.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3824.64 +/- 6	1O0	4	0	4,161,020:11:0	
1275	97	279	02:10:18.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3824.64 +/- 6	1O0	4	0	4,161,020:11:0	
1276	97	279	02:10:18.066	118IY110A111A4A	7STRP	0.0,-0.00025,364	Slew =,3.01	1O0	4	0	4,161,020:11:0	
1277	97	279	02:10:31.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3871.52 +/- 6	1O0	4	0	4,161,020:31:0	
1278	97	279	02:10:31.400	175KG422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,020:31:0	
1279	97	279	02:10:32.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3872.52 +/- 6	1O0	4	0	4,161,020:32:8	
1280	97	279	02:12:08.733	175KH422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,021:86:0	
1281	97	279	02:12:08.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3872.52 +/- 6	1O0	4	0	4,161,021:86:0	
1282	97	279	02:12:15.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3872.52 +/- 6	1O0	4	0	4,161,022:05:0	
1283	97	279	02:12:18.733	175KH176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,022:10:0	
1284	97	279	02:12:19.400	118IY11A	**SMOS**	GE		1O0	4	0	4,161,022:11:0	
1285	97	279	02:12:19.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3878.82 +/- 6	1O0	4	0	4,161,022:11:0	
1286	97	279	02:12:19.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3878.82 +/- 6	1O0	4	0	4,161,022:11:0	
1287	97	279	02:12:32.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3925.69 +/- 6	1O0	4	0	4,161,022:31:0	
1288	97	279	02:12:32.733	175KH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,022:31:0	
1289	97	279	02:12:33.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3926.69 +/- 6	1O0	4	0	4,161,022:32:8	
1290	97	279	02:12:59.400	116IY4A	7STRP	0.0,-0.00025,0,0	Slew =0,5.0	1O0	4	0	4,161,022:71:0	
1291	97	279	02:13:16.733	118IZ	**SMOS**	GS		1O0	4	0	4,161,023:06:0	
1292	97	279	02:13:18.733	175KI422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,023:09:0	
1293	97	279	02:13:18.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3926.69 +/- 6	1O0	4	0	4,161,023:09:0	
1294	97	279	02:13:25.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3926.69 +/- 6	1O0	4	0	4,161,023:19:0	
1295	97	279	02:13:28.733	175KI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,023:24:0	
1296	97	279	02:13:29.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3932.99 +/- 6	1O0	4	0	4,161,023:25:0	
1297	97	279	02:13:29.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3932.99 +/- 6	1O0	4	0	4,161,023:25:0	
1298	97	279	02:13:30.066	118IZ110A111A4A	7STRP	0.0,-0.00025,92,	Slew =,3.01	1O0	4	0	4,161,023:26:0	
1299	97	279	02:13:33.400	175KI422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,023:31:0	
1300	97	279	02:13:33.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3947.05 +/- 6	1O0	4	0	4,161,023:31:0	
1301	97	279	02:13:34.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3948.05 +/- 6	1O0	4	0	4,161,023:32:8	
1302	97	279	02:13:49.400	175KJ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,023:55:0	
1303	97	279	02:13:49.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3948.05 +/- 6	1O0	4	0	4,161,023:55:0	
1304	97	279	02:13:56.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3948.05 +/- 6	1O0	4	0	4,161,023:65:0	
1305	97	279	02:13:59.400	175KJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,023:70:0	
1306	97	279	02:14:00.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3954.35 +/- 6	1O0	4	0	4,161,023:71:0	
1307	97	279	02:14:00.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3954.35 +/- 6	1O0	4	0	4,161,023:71:0	
1308	97	279	02:14:03.400	175KJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,023:76:0	
1309	97	279	02:14:03.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3966.07 +/- 6	1O0	4	0	4,161,023:76:0	
1310	97	279	02:14:04.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3967.07 +/- 6	1O0	4	0	4,161,023:77:8	
1311	97	279	02:14:19.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3967.07 +/- 6	1O0	4	0	4,161,024:09:0	
1312	97	279	02:14:19.400	175KK422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,024:09:0	
1313	97	279	02:14:26.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3967.07 +/- 6	1O0	4	0	4,161,024:19:0	
1314	97	279	02:14:29.400	175KK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,024:24:0	
1315	97	279	02:14:30.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3973.37 +/- 6	1O0	4	0	4,161,024:25:0	
1316	97	279	02:14:30.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3973.37 +/- 6	1O0	4	0	4,161,024:25:0	
1317	97	279	02:14:31.400	116IZ4A	7STRP	0.0,-0.001,0,0,0	Slew =,3.01	1O0	4	0	4,161,024:27:0	
1318	97	279	02:14:31.400	118IZ11A	**SMOS**	GE		1O0	4	0	4,161,024:27:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1319	97	279	02:14:34.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *3987.43 +/- 6	1O0	4	0	4,161,024:31:0	
1320	97	279	02:14:34.066	175KK422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,024:31:0	
1321	97	279	02:14:35.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *3988.43 +/- 6	1O0	4	0	4,161,024:32:8	
1322	97	279	02:14:50.066	175KL422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,024:55:0	
1323	97	279	02:14:50.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 3988.43 +/- 6	1O0	4	0	4,161,024:55:0	
1324	97	279	02:14:56.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 3988.43 +/- 6	1O0	4	0	4,161,024:65:0	
1325	97	279	02:15:00.066	175KL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,024:70:0	
1326	97	279	02:15:00.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *3994.73 +/- 6	1O0	4	0	4,161,024:71:0	
1327	97	279	02:15:00.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 3994.73 +/- 6	1O0	4	0	4,161,024:71:0	
1328	97	279	02:15:04.066	175KL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,024:76:0	
1329	97	279	02:15:04.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4006.45 +/- 6	1O0	4	0	4,161,024:76:0	
1330	97	279	02:15:05.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4007.45 +/- 6	1O0	4	0	4,161,024:77:8	
1331	97	279	02:15:20.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4007.45 +/- 6	1O0	4	0	4,161,025:09:0	
1332	97	279	02:15:20.066	175KM422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,025:09:0	
1333	97	279	02:15:26.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4007.45 +/- 6	1O0	4	0	4,161,025:19:0	
1334	97	279	02:15:30.066	175KM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,025:24:0	
1335	97	279	02:15:30.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4013.75 +/- 6	1O0	4	0	4,161,025:25:0	
1336	97	279	02:15:30.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4013.75 +/- 6	1O0	4	0	4,161,025:25:0	
1337	97	279	02:15:34.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4027.82 +/- 6	1O0	4	0	4,161,025:31:0	
1338	97	279	02:15:34.733	175KM422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,025:31:0	
1339	97	279	02:15:35.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4028.82 +/- 6	1O0	4	0	4,161,025:32:8	
1340	97	279	02:16:14.066	165JA4A	7SCAN	NORM,143.962999,	Check S/P Position	1O0	4	0	4,161,025:90:0	
1341	**97**	**279**	**02:17:14.066**	**432SG6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**4,161,026:89:0**	
1342	97	279	02:19:15.400	165JA4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,028:89:0	
1343	97	279	02:20:14.066	175KN422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,029:86:0	
1344	97	279	02:20:14.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4028.82 +/- 6	1O0	4	0	4,161,029:86:0	
1345	97	279	02:20:14.733	118JA	**SMOS**	GS		1O0	4	0	4,161,029:87:0	
1346	97	279	02:20:20.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4028.82 +/- 6	1O0	4	0	4,161,030:05:0	
1347	97	279	02:20:24.066	175KN176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,030:10:0	
1348	97	279	02:20:24.733	118JA110A111A4A	7STRP	0.0,-0.00025,364	Slew =,3.01	1O0	4	0	4,161,030:11:0	
1349	97	279	02:20:24.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4035.12 +/- 6	1O0	4	0	4,161,030:11:0	
1350	97	279	02:20:24.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4035.12 +/- 6	1O0	4	0	4,161,030:11:0	
1351	97	279	02:20:38.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4081.99 +/- 6	1O0	4	0	4,161,030:31:0	
1352	97	279	02:20:38.066	175KN422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,030:31:0	
1353	97	279	02:20:39.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4082.99 +/- 6	1O0	4	0	4,161,030:32:8	
1354	97	279	02:22:15.400	175KO422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,031:86:0	
1355	97	279	02:22:15.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4082.99 +/- 6	1O0	4	0	4,161,031:86:0	
1356	97	279	02:22:22.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4082.99 +/- 6	1O0	4	0	4,161,032:05:0	
1357	97	279	02:22:25.400	175KO176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,032:10:0	
1358	97	279	02:22:26.066	118JA11A	**SMOS**	GE		1O0	4	0	4,161,032:11:0	
1359	97	279	02:22:26.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4089.29 +/- 6	1O0	4	0	4,161,032:11:0	
1360	97	279	02:22:26.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4089.29 +/- 6	1O0	4	0	4,161,032:11:0	
1361	97	279	02:22:39.400	175KO422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,032:31:0	
1362	97	279	02:22:39.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4136.17 +/- 6	1O0	4	0	4,161,032:31:0	
1363	97	279	02:22:40.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4137.17 +/- 6	1O0	4	0	4,161,032:32:8	
1364	97	279	02:23:06.066	116JA4A	7STRP	0.0,-0.00025,0,0	Slew =0,5.0	1O0	4	0	4,161,032:71:0	
1365	97	279	02:23:23.400	118JB	**SMOS**	GS		1O0	4	0	4,161,033:06:0	
1366	97	279	02:23:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4137.17 +/- 6	1O0	4	0	4,161,033:09:0	
1367	97	279	02:23:25.400	175KP422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,033:09:0	
1368	97	279	02:23:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4137.17 +/- 6	1O0	4	0	4,161,033:19:0	
1369	97	279	02:23:35.400	175KP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,033:24:0	
1370	97	279	02:23:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4143.47 +/- 6	1O0	4	0	4,161,033:25:0	
1371	97	279	02:23:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4143.47 +/- 7	1O0	4	0	4,161,033:25:0	
1372	97	279	02:23:36.733	118JB110A111A4A	7STRP	0.0,-0.00025,92,	Slew =,3.01	1O0	4	0	4,161,033:26:0	
1373	97	279	02:23:40.066	175KP422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,033:31:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1374	97	279	02:23:40.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4157.53 +/- 7	1O0	4	0	4,161,033:31:0	
1375	97	279	02:23:41.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4158.53 +/- 7	1O0	4	0	4,161,033:32:8	
1376	97	279	02:23:56.066	175KQ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,033:55:0	
1377	97	279	02:23:56.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4158.53 +/- 7	1O0	4	0	4,161,033:55:0	
1378	97	279	02:24:02.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4158.53 +/- 7	1O0	4	0	4,161,033:65:0	
1379	97	279	02:24:06.066	175KQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,033:70:0	
1380	97	279	02:24:06.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4164.83 +/- 7	1O0	4	0	4,161,033:71:0	
1381	97	279	02:24:06.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4164.83 +/- 7	1O0	4	0	4,161,033:71:0	
1382	97	279	02:24:10.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4176.55 +/- 7	1O0	4	0	4,161,033:76:0	
1383	97	279	02:24:10.066	175KQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,033:76:0	
1384	97	279	02:24:11.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4177.55 +/- 7	1O0	4	0	4,161,033:77:8	
1385	97	279	02:24:26.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4177.55 +/- 7	1O0	4	0	4,161,034:09:0	
1386	97	279	02:24:26.066	175KR422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,034:09:0	
1387	97	279	02:24:32.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4177.55 +/- 7	1O0	4	0	4,161,034:19:0	
1388	97	279	02:24:36.066	175KR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,034:24:0	
1389	97	279	02:24:36.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4183.85 +/- 7	1O0	4	0	4,161,034:25:0	
1390	97	279	02:24:36.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4183.85 +/- 7	1O0	4	0	4,161,034:25:0	
1391	97	279	02:24:38.066	116JB4A	7STRP	0.0,-0.001,0,0,0	Slew =,3.01	1O0	4	0	4,161,034:27:0	
1392	97	279	02:24:38.066	118JB11A	**SMOS**	GE		1O0	4	0	4,161,034:27:0	
1393	97	279	02:24:40.733	175KR422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,034:31:0	
1394	97	279	02:24:40.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4197.91 +/- 7	1O0	4	0	4,161,034:31:0	
1395	97	279	02:24:41.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4198.91 +/- 7	1O0	4	0	4,161,034:32:8	
1396	97	279	02:24:56.733	175KS422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,034:55:0	
1397	97	279	02:24:56.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4198.91 +/- 7	1O0	4	0	4,161,034:55:0	
1398	97	279	02:25:03.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4198.91 +/- 7	1O0	4	0	4,161,034:65:0	
1399	97	279	02:25:06.733	175KS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,034:70:0	
1400	97	279	02:25:07.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4205.21 +/- 7	1O0	4	0	4,161,034:71:0	
1401	97	279	02:25:07.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4205.21 +/- 7	1O0	4	0	4,161,034:71:0	
1402	97	279	02:25:10.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4216.93 +/- 7	1O0	4	0	4,161,034:76:0	
1403	97	279	02:25:10.733	175KS422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,034:76:0	
1404	97	279	02:25:11.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4217.93 +/- 7	1O0	4	0	4,161,034:77:8	
1405	97	279	02:25:26.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4217.93 +/- 7	1O0	4	0	4,161,035:09:0	
1406	97	279	02:25:26.733	175KT422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,035:09:0	
1407	97	279	02:25:33.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4217.93 +/- 7	1O0	4	0	4,161,035:19:0	
1408	97	279	02:25:36.733	175KT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,035:24:0	
1409	97	279	02:25:37.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4224.23 +/- 7	1O0	4	0	4,161,035:25:0	
1410	97	279	02:25:37.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4224.23 +/- 7	1O0	4	0	4,161,035:25:0	
1411	97	279	02:25:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4238.29 +/- 7	1O0	4	0	4,161,035:31:0	
1412	97	279	02:25:41.400	175KT422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,035:31:0	
1413	97	279	02:25:42.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4239.29 +/- 7	1O0	4	0	4,161,035:32:8	
1414	97	279	03:02:44.733	165JD4A	7SCAN	NORM,144.196999,	Check S/P Position	1O0	4	0	4,161,071:90:0	
1415	97	279	03:04:45.400	165JD4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,073:89:0	
1416	97	279	03:05:44.733	118JD	**SMOS**	GS		1O0	4	0	4,161,074:87:0	
1417	97	279	03:05:54.733	118JD110A111A4A	7STRP	0.0,0.00025,364,	Slew =,3.01	1O0	4	0	4,161,075:11:0	
1418	97	279	03:06:24.066	175LF422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,075:55:0	
1419	97	279	03:06:24.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4239.29 +/- 7	1O0	4	0	4,161,075:55:0	
1420	97	279	03:06:30.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4239.29 +/- 7	1O0	4	0	4,161,075:65:0	
1421	97	279	03:06:34.066	175LF176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,075:70:0	
1422	97	279	03:06:34.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4245.59 +/- 7	1O0	4	0	4,161,075:71:0	
1423	97	279	03:06:34.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4245.59 +/- 7	1O0	4	0	4,161,075:71:0	
1424	97	279	03:06:48.066	175LF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,076:00:0	
1425	97	279	03:06:48.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4292.47 +/- 7	1O0	4	0	4,161,076:00:0	
1426	97	279	03:06:49.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4293.47 +/- 7	1O0	4	0	4,161,076:01:8	
1427	97	279	03:07:56.066	118JD11A	**SMOS**	GE		1O0	4	0	4,161,077:11:0	
1428	97	279	03:08:25.400	175LG422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,077:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1429	97	279	03:08:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4293.47 +/- 7	1O0	4	0	4,161,077:55:0	
1430	97	279	03:08:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4293.47 +/- 7	1O0	4	0	4,161,077:65:0	
1431	97	279	03:08:35.400	116JD4A	7STRP	0.0,0.00025,0,0,	Slew =0,5.0	1O0	4	0	4,161,077:70:0	
1432	97	279	03:08:35.400	175LG176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,077:70:0	
1433	97	279	03:08:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4299.77 +/- 7	1O0	4	0	4,161,077:71:0	
1434	97	279	03:08:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4299.77 +/- 7	1O0	4	0	4,161,077:71:0	
1435	97	279	03:08:49.400	175LG422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,078:00:0	
1436	97	279	03:08:49.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4346.64 +/- 7	1O0	4	0	4,161,078:00:0	
1437	97	279	03:08:50.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4347.64 +/- 7	1O0	4	0	4,161,078:01:8	
1438	97	279	03:08:53.400	118JE	**SMOS**	GS		1O0	4	0	4,161,078:06:0	
1439	97	279	03:09:05.400	175LH422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,078:24:0	
1440	97	279	03:09:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4347.64 +/- 7	1O0	4	0	4,161,078:24:0	
1441	97	279	03:09:06.733	118JE110A111A4A	7STRP	0.0,0.00025,92,0	Slew =,3.01	1O0	4	0	4,161,078:26:0	
1442	97	279	03:09:12.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4347.64 +/- 7	1O0	4	0	4,161,078:34:0	
1443	97	279	03:09:15.400	175LH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,078:39:0	
1444	97	279	03:09:16.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4353.94 +/- 7	1O0	4	0	4,161,078:40:0	
1445	97	279	03:09:16.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4353.94 +/- 7	1O0	4	0	4,161,078:40:0	
1446	97	279	03:09:20.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4368.00 +/- 7	1O0	4	0	4,161,078:46:0	
1447	97	279	03:09:20.066	175LH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,078:46:0	
1448	97	279	03:09:21.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4369.00 +/- 7	1O0	4	0	4,161,078:47:8	
1449	97	279	03:09:36.066	175LI422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,078:70:0	
1450	97	279	03:09:36.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4369.00 +/- 7	1O0	4	0	4,161,078:70:0	
1451	97	279	03:09:42.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4369.00 +/- 7	1O0	4	0	4,161,078:80:0	
1452	97	279	03:09:46.066	175LI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,078:85:0	
1453	97	279	03:09:46.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4375.30 +/- 7	1O0	4	0	4,161,078:86:0	
1454	97	279	03:09:46.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4375.30 +/- 7	1O0	4	0	4,161,078:86:0	
1455	97	279	03:09:50.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4387.02 +/- 7	1O0	4	0	4,161,079:00:0	
1456	97	279	03:09:50.066	175LI422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,079:00:0	
1457	97	279	03:09:51.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4388.02 +/- 7	1O0	4	0	4,161,079:01:8	
1458	97	279	03:10:06.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4388.02 +/- 7	1O0	4	0	4,161,079:24:0	
1459	97	279	03:10:06.066	175LJ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,079:24:0	
1460	97	279	03:10:08.066	116JE4A	7STRP	0.0005,-0.0005,0	Slew =0,5.0	1O0	4	0	4,161,079:27:0	
1461	97	279	03:10:08.066	118JE11A	**SMOS**	GE		1O0	4	0	4,161,079:27:0	
1462	97	279	03:10:12.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4388.02 +/- 7	1O0	4	0	4,161,079:34:0	
1463	97	279	03:10:16.066	175LJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,079:39:0	
1464	97	279	03:10:16.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4394.32 +/- 7	1O0	4	0	4,161,079:40:0	
1465	97	279	03:10:16.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4394.32 +/- 7	1O0	4	0	4,161,079:40:0	
1466	97	279	03:10:20.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4408.38 +/- 7	1O0	4	0	4,161,079:46:0	
1467	97	279	03:10:20.733	175LJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,079:46:0	
1468	97	279	03:10:21.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4409.38 +/- 7	1O0	4	0	4,161,079:47:8	
1469	97	279	03:10:36.733	175LK422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,079:70:0	
1470	97	279	03:10:36.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4409.38 +/- 7	1O0	4	0	4,161,079:70:0	
1471	97	279	03:10:37.400	116JF4A	7STRP	-0.00075,0.0075,	Slew =,3.01	1O0	4	0	4,161,079:71:0	
1472	97	279	03:10:43.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4409.38 +/- 7	1O0	4	0	4,161,079:80:0	
1473	97	279	03:10:46.733	175LK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,079:85:0	
1474	97	279	03:10:47.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4415.68 +/- 7	1O0	4	0	4,161,079:86:0	
1475	97	279	03:10:47.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4415.68 +/- 7	1O0	4	0	4,161,079:86:0	
1476	97	279	03:10:50.733	175LK422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,080:00:0	
1477	97	279	03:10:50.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4427.40 +/- 7	1O0	4	0	4,161,080:00:0	
1478	97	279	03:10:51.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4428.40 +/- 7	1O0	4	0	4,161,080:01:8	
1479	97	279	03:10:54.733	118JF	**SMOS**	GS		1O0	4	0	4,161,080:06:0	
1480	97	279	03:10:56.733	175LL422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,080:09:0	
1481	97	279	03:10:56.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4428.40 +/- 7	1O0	4	0	4,161,080:09:0	
1482	97	279	03:11:03.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4428.40 +/- 7	1O0	4	0	4,161,080:19:0	
1483	97	279	03:11:06.733	175LL176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,080:24:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1484	97	279	03:11:07.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4434.70 +/- 7	1O0	4	0	4,161,080:25:0	
1485	97	279	03:11:07.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4434.70 +/- 7	1O0	4	0	4,161,080:25:0	
1486	97	279	03:11:08.066	118JF110A111A4A	7STRP	0.004,-0.00125,4	Slew =,3.01	1O0	4	0	4,161,080:26:0	
1487	97	279	03:11:11.400	175LL422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,080:31:0	
1488	97	279	03:11:11.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4448.77 +/- 7	1O0	4	0	4,161,080:31:0	
1489	97	279	03:11:12.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4449.77 +/- 7	1O0	4	0	4,161,080:32:8	
1490	97	279	03:11:23.400	118JF11A	**SMOS**	GE		1O0	4	0	4,161,080:49:0	
1491	97	279	03:11:27.400	175LM422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,080:55:0	
1492	97	279	03:11:27.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4449.77 +/- 7	1O0	4	0	4,161,080:55:0	
1493	97	279	03:11:34.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4449.77 +/- 7	1O0	4	0	4,161,080:65:0	
1494	97	279	03:11:37.400	175LM176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,080:70:0	
1495	97	279	03:11:38.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4456.07 +/- 7	1O0	4	0	4,161,080:71:0	
1496	97	279	03:11:38.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4456.07 +/- 7	1O0	4	0	4,161,080:71:0	
1497	97	279	03:11:41.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4467.78 +/- 7	1O0	4	0	4,161,080:76:0	
1498	97	279	03:11:41.400	175LM422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,080:76:0	
1499	97	279	03:11:42.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4468.78 +/- 7	1O0	4	0	4,161,080:77:8	
1500	97	279	03:28:01.400	165JC4A	7SCAN	NORM,145.150999,	Check S/P Position	1O0	4	0	4,161,096:90:0	
1501	97	279	03:31:56.733	118JC	**SMOS**	GS		1O0	4	0	4,161,100:79:0	
1502	97	279	03:32:06.733	118JC110A111A4A	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,161,101:03:0	
1503	97	279	03:32:12.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4468.78 +/- 7	1O0	4	0	4,161,101:11:0	
1504	97	279	03:32:12.066	175LD422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,161,101:11:0	
1505	97	279	03:32:18.733		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 4468.78 +/- 7	1O0	4	0	4,161,101:21:0	
1506	97	279	03:32:23.400	175LD176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,161,101:28:0	
1507	97	279	03:32:24.000		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4534.78 +/- 7	1O0	4	0	4,161,101:28:9	
1508	97	279	03:32:24.000		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4534.78 +/- 8	1O0	4	0	4,161,101:28:9	
1509	97	279	03:32:24.066	118JC110A111A4B	7STRP	-0.00195,0.0,0,0	Slew =,3.01	1O0	4	0	4,161,101:29:0	
1510	97	279	03:32:26.066	175LD422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,101:32:0	
1511	97	279	03:32:26.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4585.64 +/- 8	1O0	4	0	4,161,101:32:0	
1512	97	279	03:32:28.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4597.14 +/- 8	1O0	4	0	4,161,101:36:1	
1513	97	279	03:32:32.733	118JC110A111A4C	7STRP	0.001,0.0,26,0,0	Slew =,3.01	1O0	4	0	4,161,101:42:0	
1514	97	279	03:32:38.066	175LE422A6A	6DMSC	R806,3	DMS Control	1O0	4	0	4,161,101:50:0	
1515	97	279	03:32:38.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4597.14 +/- 8	1O0	4	0	4,161,101:50:0	
1516	97	279	03:32:44.733		DMS:	: *RUNUP	R806, TRACK *3, FWD, TIC 4597.14 +/- 8	1O0	4	0	4,161,101:60:0	
1517	97	279	03:32:49.400	175LE176A6A	6TMREC	IM8	806.4 KBPS IMAGE RECORD Record Mode Chang	1O0	4	0	4,161,101:67:0	
1518	97	279	03:32:50.000		DMS:	**: *RECORD**	R806, TRACK 3, FWD, TIC *4663.14 +/- 8	1O0	4	0	4,161,101:67:9	
1519	97	279	03:32:50.000		DMS:	: *AT_SPD	R806, TRACK 3, FWD, TIC 4663.14 +/- 8	1O0	4	0	4,161,101:67:9	
1520	97	279	03:32:50.066	118JC11A	**SMOS**	GE		1O0	4	0	4,161,101:68:0	
1521	97	279	03:32:52.066	175LE422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,101:71:0	
1522	97	279	03:32:52.066		DMS:	**: *RUNDOWN**	R806, TRACK 3, FWD, TIC *4714.00 +/- 8	1O0	4	0	4,161,101:71:0	
1523	97	279	03:32:54.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4725.50 +/- 8	1O0	4	0	4,161,101:75:1	
1524	97	279	03:33:04.733	165JG4A	7SCAN	NORM,144.226,14.	Check S/P Position	1O0	4	0	4,161,101:90:0	
1525	97	279	03:35:05.400	165JG4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,103:89:0	
1526	97	279	03:36:04.733	118JG	**SMOS**	GS		1O0	4	0	4,161,104:87:0	
1527	97	279	03:36:14.733	118JG110A111A4A	7STRP	0.0,0.00025,364,	Slew =,3.01	1O0	4	0	4,161,105:11:0	
1528	97	279	03:36:44.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4725.50 +/- 8	1O0	4	0	4,161,105:55:0	
1529	97	279	03:36:44.066	175LN422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,105:55:0	
1530	97	279	03:36:50.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4725.50 +/- 8	1O0	4	0	4,161,105:65:0	
1531	97	279	03:36:54.066	175LN176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,105:70:0	
1532	97	279	03:36:54.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4731.80 +/- 8	1O0	4	0	4,161,105:71:0	
1533	97	279	03:36:54.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4731.80 +/- 8	1O0	4	0	4,161,105:71:0	
1534	97	279	03:37:08.066	175LN422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,106:00:0	
1535	97	279	03:37:08.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4778.68 +/- 8	1O0	4	0	4,161,106:00:0	
1536	97	279	03:37:09.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4779.68 +/- 8	1O0	4	0	4,161,106:01:8	
1537	97	279	03:38:16.066	118JG11A	**SMOS**	GE		1O0	4	0	4,161,107:11:0	
1538	97	279	03:38:45.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4779.68 +/- 8	1O0	4	0	4,161,107:55:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1539	97	279	03:38:45.400	175LO422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,107:55:0	
1540	97	279	03:38:52.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4779.68 +/- 8	1O0	4	0	4,161,107:65:0	
1541	97	279	03:38:55.400	116JG4A	7STRP	0.0,0.00025,0,0,	Slew =0,5.0	1O0	4	0	4,161,107:70:0	
1542	97	279	03:38:55.400	175LO176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,107:70:0	
1543	97	279	03:38:56.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4785.98 +/- 8	1O0	4	0	4,161,107:71:0	
1544	97	279	03:38:56.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4785.98 +/- 8	1O0	4	0	4,161,107:71:0	
1545	97	279	03:39:09.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4832.85 +/- 8	1O0	4	0	4,161,108:00:0	
1546	97	279	03:39:09.400	175LO422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,108:00:0	
1547	97	279	03:39:10.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4833.85 +/- 8	1O0	4	0	4,161,108:01:8	
1548	97	279	03:39:13.400	118JH	**SMOS**	GS		1O0	4	0	4,161,108:06:0	
1549	97	279	03:39:25.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4833.85 +/- 8	1O0	4	0	4,161,108:24:0	
1550	97	279	03:39:25.400	175LP422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,108:24:0	
1551	97	279	03:39:26.733	118JH110A111A4A	7STRP	0.0,0.00025,92,0	Slew =,3.01	1O0	4	0	4,161,108:26:0	
1552	97	279	03:39:32.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4833.85 +/- 8	1O0	4	0	4,161,108:34:0	
1553	97	279	03:39:35.400	175LP176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,108:39:0	
1554	97	279	03:39:36.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4840.15 +/- 8	1O0	4	0	4,161,108:40:0	
1555	97	279	03:39:36.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4840.15 +/- 8	1O0	4	0	4,161,108:40:0	
1556	97	279	03:39:40.066	175LP422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,108:46:0	
1557	97	279	03:39:40.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4854.22 +/- 8	1O0	4	0	4,161,108:46:0	
1558	97	279	03:39:41.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4855.22 +/- 8	1O0	4	0	4,161,108:47:8	
1559	97	279	03:39:56.066	175LQ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,108:70:0	
1560	97	279	03:39:56.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4855.22 +/- 8	1O0	4	0	4,161,108:70:0	
1561	97	279	03:40:02.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4855.22 +/- 8	1O0	4	0	4,161,108:80:0	
1562	97	279	03:40:06.066	175LQ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,108:85:0	
1563	97	279	03:40:06.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4861.52 +/- 9	1O0	4	0	4,161,108:86:0	
1564	97	279	03:40:06.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4861.52 +/- 8	1O0	4	0	4,161,108:86:0	
1565	97	279	03:40:10.066	175LQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,109:00:0	
1566	97	279	03:40:10.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4873.23 +/- 9	1O0	4	0	4,161,109:00:0	
1567	97	279	03:40:11.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4874.23 +/- 9	1O0	4	0	4,161,109:01:8	
1568	97	279	03:40:26.066	175LR422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,109:24:0	
1569	97	279	03:40:26.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4874.23 +/- 9	1O0	4	0	4,161,109:24:0	
1570	97	279	03:40:28.066	118JH11A	**SMOS**	GE		1O0	4	0	4,161,109:27:0	
1571	97	279	03:40:28.066	116JH4A	7STRP	0.0005,-0.0005,0	Slew =0,5.0	1O0	4	0	4,161,109:27:0	
1572	97	279	03:40:32.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4874.23 +/- 9	1O0	4	0	4,161,109:34:0	
1573	97	279	03:40:36.066	175LR176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,109:39:0	
1574	97	279	03:40:36.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4880.53 +/- 9	1O0	4	0	4,161,109:40:0	
1575	97	279	03:40:36.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4880.53 +/- 9	1O0	4	0	4,161,109:40:0	
1576	97	279	03:40:40.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4894.60 +/- 9	1O0	4	0	4,161,109:46:0	
1577	97	279	03:40:40.733	175LR422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,109:46:0	
1578	97	279	03:40:41.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4895.60 +/- 9	1O0	4	0	4,161,109:47:8	
1579	97	279	03:40:56.733	175LS422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,109:70:0	
1580	97	279	03:40:56.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4895.60 +/- 9	1O0	4	0	4,161,109:70:0	
1581	97	279	03:40:57.400	116JI4A	7STRP	-0.00075,0.0075,	Slew =,3.01	1O0	4	0	4,161,109:71:0	
1582	97	279	03:41:03.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4895.60 +/- 9	1O0	4	0	4,161,109:80:0	
1583	97	279	03:41:06.733	175LS176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,109:85:0	
1584	97	279	03:41:07.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4901.90 +/- 9	1O0	4	0	4,161,109:86:0	
1585	97	279	03:41:07.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4901.90 +/- 9	1O0	4	0	4,161,109:86:0	
1586	97	279	03:41:10.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4913.62 +/- 9	1O0	4	0	4,161,110:00:0	
1587	97	279	03:41:10.733	175LS422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,110:00:0	
1588	97	279	03:41:11.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4914.62 +/- 9	1O0	4	0	4,161,110:01:8	
1589	97	279	03:41:14.733	118JI	**SMOS**	GS		1O0	4	0	4,161,110:06:0	
1590	97	279	03:41:16.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4914.62 +/- 9	1O0	4	0	4,161,110:09:0	
1591	97	279	03:41:16.733	175LT422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,110:09:0	
1592	97	279	03:41:23.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4914.62 +/- 9	1O0	4	0	4,161,110:19:0	
1593	97	279	03:41:26.733	175LT176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,110:24:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1594	97	279	03:41:27.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4920.92 +/- 9	1O0	4	0	4,161,110:25:0	
1595	97	279	03:41:27.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4920.92 +/- 9	1O0	4	0	4,161,110:25:0	
1596	97	279	03:41:28.066	118JI110A111A4A	7STRP	0.004,-0.00125,4	Slew =,3.01	1O0	4	0	4,161,110:26:0	
1597	97	279	03:41:31.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4934.98 +/- 9	1O0	4	0	4,161,110:31:0	
1598	97	279	03:41:31.400	175LT422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,110:31:0	
1599	97	279	03:41:32.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4935.98 +/- 9	1O0	4	0	4,161,110:32:8	
1600	97	279	03:41:43.400	118JI11A	**SMOS**	GE		1O0	4	0	4,161,110:49:0	
1601	97	279	03:41:47.400	175LU422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,110:55:0	
1602	97	279	03:41:47.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4935.98 +/- 9	1O0	4	0	4,161,110:55:0	
1603	97	279	03:41:54.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4935.98 +/- 9	1O0	4	0	4,161,110:65:0	
1604	97	279	03:41:57.400	175LU176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,110:70:0	
1605	97	279	03:41:58.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4942.28 +/- 9	1O0	4	0	4,161,110:71:0	
1606	97	279	03:41:58.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4942.28 +/- 9	1O0	4	0	4,161,110:71:0	
1607	97	279	03:42:01.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *4954.00 +/- 9	1O0	4	0	4,161,110:76:0	
1608	97	279	03:42:01.400	175LU422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,110:76:0	
1609	97	279	03:42:02.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *4955.00 +/- 9	1O0	4	0	4,161,110:77:8	
1610	97	279	03:53:18.066	165JJ4A	7SCAN	NORM,144.244999,	Check S/P Position	1O0	4	0	4,161,121:90:0	
1611	97	279	03:55:18.733	165JJ4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,123:89:0	
1612	97	279	03:56:18.066	118JJ	**SMOS**	GS		1O0	4	0	4,161,124:87:0	
1613	97	279	03:56:28.066	118JJ110A111A4A	7STRP	0.0,0.00025,364,	Slew =,3.01	1O0	4	0	4,161,125:11:0	
1614	97	279	03:56:57.400	175LV422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,125:55:0	
1615	97	279	03:56:57.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 4955.00 +/- 9	1O0	4	0	4,161,125:55:0	
1616	97	279	03:57:04.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 4955.00 +/- 9	1O0	4	0	4,161,125:65:0	
1617	97	279	03:57:07.400	175LV176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,125:70:0	
1618	97	279	03:57:08.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *4961.30 +/- 9	1O0	4	0	4,161,125:71:0	
1619	97	279	03:57:08.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 4961.30 +/- 9	1O0	4	0	4,161,125:71:0	
1620	97	279	03:57:21.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5008.17 +/- 9	1O0	4	0	4,161,126:00:0	
1621	97	279	03:57:21.400	175LV422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,126:00:0	
1622	97	279	03:57:22.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5009.17 +/- 9	1O0	4	0	4,161,126:01:8	
1623	97	279	03:58:29.400	118JJ11A	**SMOS**	GE		1O0	4	0	4,161,127:11:0	
1624	97	279	03:58:58.733	175LW422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,127:55:0	
1625	97	279	03:58:58.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5009.17 +/- 9	1O0	4	0	4,161,127:55:0	
1626	97	279	03:59:05.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5009.17 +/- 9	1O0	4	0	4,161,127:65:0	
1627	97	279	03:59:08.733	175LW176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,127:70:0	
1628	97	279	03:59:08.733	116JJ4A	7STRP	0.0,0.00025,0,0,	Slew =0,5.0	1O0	4	0	4,161,127:70:0	
1629	97	279	03:59:09.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5015.47 +/- 9	1O0	4	0	4,161,127:71:0	
1630	97	279	03:59:09.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5015.47 +/- 9	1O0	4	0	4,161,127:71:0	
1631	97	279	03:59:22.733	175LW422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,128:00:0	
1632	97	279	03:59:22.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5062.35 +/- 9	1O0	4	0	4,161,128:00:0	
1633	97	279	03:59:23.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5063.35 +/- 9	1O0	4	0	4,161,128:01:8	
1634	97	279	03:59:26.733	118JK	**SMOS**	GS		1O0	4	0	4,161,128:06:0	
1635	97	279	03:59:38.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5063.35 +/- 9	1O0	4	0	4,161,128:24:0	
1636	97	279	03:59:38.733	175LX422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,128:24:0	
1637	97	279	03:59:40.066	118JK110A111A4A	7STRP	0.0,0.00025,92,0	Slew =,3.01	1O0	4	0	4,161,128:26:0	
1638	97	279	03:59:45.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5063.35 +/- 9	1O0	4	0	4,161,128:34:0	
1639	97	279	03:59:48.733	175LX176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,128:39:0	
1640	97	279	03:59:49.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5069.65 +/- 9	1O0	4	0	4,161,128:40:0	
1641	97	279	03:59:49.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5069.65 +/- 9	1O0	4	0	4,161,128:40:0	
1642	97	279	03:59:53.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5083.71 +/- 9	1O0	4	0	4,161,128:46:0	
1643	97	279	03:59:53.400	175LX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,128:46:0	
1644	97	279	03:59:54.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5084.71 +/- 9	1O0	4	0	4,161,128:47:8	
1645	97	279	04:00:09.400	175LY422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,128:70:0	
1646	97	279	04:00:09.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5084.71 +/- 9	1O0	4	0	4,161,128:70:0	
1647	97	279	04:00:16.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5084.71 +/- 9	1O0	4	0	4,161,128:80:0	
1648	97	279	04:00:19.400	175LY176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,128:85:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1649	97	279	04:00:20.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5091.01 +/- 9	1O0	4	0	4,161,128:86:0	
1650	97	279	04:00:20.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5091.01 +/- 9	1O0	4	0	4,161,128:86:0	
1651	97	279	04:00:23.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5102.73 +/- 9	1O0	4	0	4,161,129:00:0	
1652	97	279	04:00:23.400	175LY422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,129:00:0	
1653	97	279	04:00:24.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5103.73 +/- 9	1O0	4	0	4,161,129:01:8	
1654	97	279	04:00:39.400	175LZ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,129:24:0	
1655	97	279	04:00:39.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5103.73 +/- 9	1O0	4	0	4,161,129:24:0	
1656	97	279	04:00:41.400	118JK11A	**SMOS**	GE		1O0	4	0	4,161,129:27:0	
1657	97	279	04:00:41.400	116JK4A	7STRP	0.0005,-0.0005,0	Slew =0,5.0	1O0	4	0	4,161,129:27:0	
1658	97	279	04:00:46.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5103.73 +/- 9	1O0	4	0	4,161,129:34:0	
1659	97	279	04:00:49.400	175LZ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,129:39:0	
1660	97	279	04:00:50.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5110.03 +/- 9	1O0	4	0	4,161,129:40:0	
1661	97	279	04:00:50.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5110.03 +/- 9	1O0	4	0	4,161,129:40:0	
1662	97	279	04:00:54.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5124.09 +/- 9	1O0	4	0	4,161,129:46:0	
1663	97	279	04:00:54.066	175LZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,129:46:0	
1664	97	279	04:00:55.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5125.09 +/- 9	1O0	4	0	4,161,129:47:8	
1665	97	279	04:01:10.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5125.09 +/- 9	1O0	4	0	4,161,129:70:0	
1666	97	279	04:01:10.066	175UA422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,129:70:0	
1667	97	279	04:01:10.733	116JL4A	7STRP	-0.00075,0.0075,	Slew =,3.01	1O0	4	0	4,161,129:71:0	
1668	97	279	04:01:16.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5125.09 +/- 9	1O0	4	0	4,161,129:80:0	
1669	97	279	04:01:20.066	175UA176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,129:85:0	
1670	97	279	04:01:20.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5131.39 +/- 9	1O0	4	0	4,161,129:86:0	
1671	97	279	04:01:20.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5131.39 +/- 9	1O0	4	0	4,161,129:86:0	
1672	97	279	04:01:24.066	175UA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,130:00:0	
1673	97	279	04:01:24.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5143.11 +/- 9	1O0	4	0	4,161,130:00:0	
1674	97	279	04:01:25.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5144.11 +/- 9	1O0	4	0	4,161,130:01:8	
1675	97	279	04:01:28.066	118JL	**SMOS**	GS		1O0	4	0	4,161,130:06:0	
1676	97	279	04:01:30.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5144.11 +/- 9	1O0	4	0	4,161,130:09:0	
1677	97	279	04:01:30.066	175UB422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,130:09:0	
1678	97	279	04:01:36.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5144.11 +/- 9	1O0	4	0	4,161,130:19:0	
1679	97	279	04:01:40.066	175UB176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,130:24:0	
1680	97	279	04:01:40.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5150.41 +/- 9	1O0	4	0	4,161,130:25:0	
1681	97	279	04:01:40.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5150.41 +/- 9	1O0	4	0	4,161,130:25:0	
1682	97	279	04:01:41.400	118JL110A111A4A	7STRP	0.004,-0.00125,4	Slew =,3.01	1O0	4	0	4,161,130:26:0	
1683	97	279	04:01:44.733	175UB422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,130:31:0	
1684	97	279	04:01:44.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5164.47 +/- 9	1O0	4	0	4,161,130:31:0	
1685	97	279	04:01:45.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5165.47 +/- 9	1O0	4	0	4,161,130:32:8	
1686	97	279	04:01:56.733	118JL11A	**SMOS**	GE		1O0	4	0	4,161,130:49:0	
1687	97	279	04:02:00.733	175UC422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,130:55:0	
1688	97	279	04:02:00.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5165.47 +/- 9	1O0	4	0	4,161,130:55:0	
1689	97	279	04:02:07.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5165.47 +/- 9	1O0	4	0	4,161,130:65:0	
1690	97	279	04:02:10.733	175UC176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,130:70:0	
1691	97	279	04:02:11.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5171.77 +/- 9	1O0	4	0	4,161,130:71:0	
1692	97	279	04:02:11.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5171.77 +/- 9	1O0	4	0	4,161,130:71:0	
1693	97	279	04:02:14.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5183.49 +/- 9	1O0	4	0	4,161,130:76:0	
1694	97	279	04:02:14.733	175UC422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,130:76:0	
1695	97	279	04:02:15.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5184.49 +/- 9	1O0	4	0	4,161,130:77:8	
1696	97	279	04:03:24.733	165JM4A	7SCAN	NORM,144.254,14.	Check S/P Position	1O0	4	0	4,161,131:90:0	
1697	97	279	04:05:25.400	165JM4B	7VECT		Inert vect update UTC	1O0	4	0	4,161,133:89:0	
1698	97	279	04:06:24.733	118JM	**SMOS**	GS		1O0	4	0	4,161,134:87:0	
1699	97	279	04:06:34.733	118JM110A111A4A	7STRP	0.0,0.00025,364,	Slew =,3.01	1O0	4	0	4,161,135:11:0	
1700	97	279	04:07:04.066	175UD422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,135:55:0	
1701	97	279	04:07:04.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5184.49 +/- 9	1O0	4	0	4,161,135:55:0	
1702	97	279	04:07:10.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5184.49 +/- 9	1O0	4	0	4,161,135:65:0	
1703	97	279	04:07:14.066	175UD176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,135:70:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1704	97	279	04:07:14.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5190.79 +/- 9	1O0	4	0	4,161,135:71:0	
1705	97	279	04:07:14.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5190.79 +/- 9	1O0	4	0	4,161,135:71:0	
1706	97	279	04:07:28.066	175UD422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,136:00:0	
1707	97	279	04:07:28.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5237.67 +/- 9	1O0	4	0	4,161,136:00:0	
1708	97	279	04:07:29.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5238.67 +/- 9	1O0	4	0	4,161,136:01:8	
1709	97	279	04:08:36.066	118JM11A	**SMOS**	GE		1O0	4	0	4,161,137:11:0	
1710	97	279	04:09:05.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5238.67 +/- 9	1O0	4	0	4,161,137:55:0	
1711	97	279	04:09:05.400	175UE422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,137:55:0	
1712	97	279	04:09:12.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5238.67 +/- 9	1O0	4	0	4,161,137:65:0	
1713	97	279	04:09:15.400	116JM4A	7STRP	0.0,0.00025,0,0,	Slew =0,5.0	1O0	4	0	4,161,137:70:0	
1714	97	279	04:09:15.400	175UE176A6A	6TMREC	HIM	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,137:70:0	
1715	97	279	04:09:16.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5244.97 +/- 9	1O0	4	0	4,161,137:71:0	
1716	97	279	04:09:16.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5244.97 +/- 10	1O0	4	0	4,161,137:71:0	
1717	**97**	**279**	**04:09:29.400**	**432SH6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**1O0**	**4**	**0**	**4,161,138:00:0**	
1718	97	279	04:09:29.400	175UE422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,138:00:0	
1719	97	279	04:09:29.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5291.84 +/- 10	1O0	4	0	4,161,138:00:0	
1720	97	279	04:09:30.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5292.84 +/- 10	1O0	4	0	4,161,138:01:8	
1721	97	279	04:09:33.400	118JN	**SMOS**	GS		1O0	4	0	4,161,138:06:0	
1722	97	279	04:09:45.400	175UF422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,138:24:0	
1723	97	279	04:09:45.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5292.84 +/- 10	1O0	4	0	4,161,138:24:0	
1724	97	279	04:09:46.733	118JN110A111A4A	7STRP	0.0,0.00025,92,0	Slew =,3.01	1O0	4	0	4,161,138:26:0	
1725	97	279	04:09:52.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5292.84 +/- 10	1O0	4	0	4,161,138:34:0	
1726	97	279	04:09:55.400	175UF176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,138:39:0	
1727	97	279	04:09:56.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5299.14 +/- 10	1O0	4	0	4,161,138:40:0	
1728	97	279	04:09:56.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5299.14 +/- 10	1O0	4	0	4,161,138:40:0	
1729	97	279	04:10:00.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5313.20 +/- 10	1O0	4	0	4,161,138:46:0	
1730	97	279	04:10:00.066	175UF422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,138:46:0	
1731	97	279	04:10:01.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5314.20 +/- 10	1O0	4	0	4,161,138:47:8	
1732	97	279	04:10:16.066	175UG422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,138:70:0	
1733	97	279	04:10:16.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5314.20 +/- 10	1O0	4	0	4,161,138:70:0	
1734	97	279	04:10:22.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5314.20 +/- 10	1O0	4	0	4,161,138:80:0	
1735	97	279	04:10:26.066	175UG176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,138:85:0	
1736	97	279	04:10:26.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5320.50 +/- 10	1O0	4	0	4,161,138:86:0	
1737	97	279	04:10:26.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5320.50 +/- 10	1O0	4	0	4,161,138:86:0	
1738	97	279	04:10:30.066		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5332.22 +/- 10	1O0	4	0	4,161,139:00:0	
1739	97	279	04:10:30.066	175UG422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,139:00:0	
1740	97	279	04:10:31.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5333.22 +/- 10	1O0	4	0	4,161,139:01:8	
1741	97	279	04:10:46.066	175UH422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,139:24:0	
1742	97	279	04:10:46.066		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5333.22 +/- 10	1O0	4	0	4,161,139:24:0	
1743	97	279	04:10:48.066	118JN11A	**SMOS**	GE		1O0	4	0	4,161,139:27:0	
1744	97	279	04:10:48.066	116JN4A	7STRP	0.0005,-0.0005,0	Slew =0,5.0	1O0	4	0	4,161,139:27:0	
1745	97	279	04:10:52.733		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5333.22 +/- 10	1O0	4	0	4,161,139:34:0	
1746	97	279	04:10:56.066	175UH176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,139:39:0	
1747	97	279	04:10:56.733		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5339.52 +/- 10	1O0	4	0	4,161,139:40:0	
1748	97	279	04:10:56.733		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5339.52 +/- 10	1O0	4	0	4,161,139:40:0	
1749	97	279	04:11:00.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5353.58 +/- 10	1O0	4	0	4,161,139:46:0	
1750	97	279	04:11:00.733	175UH422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,139:46:0	
1751	97	279	04:11:01.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5354.58 +/- 10	1O0	4	0	4,161,139:47:8	
1752	97	279	04:11:16.733	175UI422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,139:70:0	
1753	97	279	04:11:16.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5354.58 +/- 10	1O0	4	0	4,161,139:70:0	
1754	97	279	04:11:17.400	116JO4A	7STRP	-0.00075,0.0075,	Slew =,3.01	1O0	4	0	4,161,139:71:0	
1755	97	279	04:11:23.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5354.58 +/- 10	1O0	4	0	4,161,139:80:0	
1756	97	279	04:11:26.733	175UI176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,139:85:0	
1757	97	279	04:11:27.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5360.88 +/- 10	1O0	4	0	4,161,139:86:0	
1758	97	279	04:11:27.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5360.88 +/- 10	1O0	4	0	4,161,139:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1759	97	279	04:11:30.733		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5372.60 +/- 10	1O0	4	0	4,161,140:00:0	
1760	97	279	04:11:30.733	175UI422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,140:00:0	
1761	97	279	04:11:31.933		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5373.60 +/- 10	1O0	4	0	4,161,140:01:8	
1762	97	279	04:11:34.733	118JO	**SMOS**	GS		1O0	4	0	4,161,140:06:0	
1763	97	279	04:11:36.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5373.60 +/- 10	1O0	4	0	4,161,140:09:0	
1764	97	279	04:11:36.733	175UJ422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,140:09:0	
1765	97	279	04:11:43.400		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5373.60 +/- 10	1O0	4	0	4,161,140:19:0	
1766	97	279	04:11:46.733	175UJ176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,140:24:0	
1767	97	279	04:11:47.400		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5379.90 +/- 10	1O0	4	0	4,161,140:25:0	
1768	97	279	04:11:47.400		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5379.90 +/- 10	1O0	4	0	4,161,140:25:0	
1769	97	279	04:11:48.066	118JO110A111A4A	7STRP	0.004,-0.00125,4	Slew =,3.01	1O0	4	0	4,161,140:26:0	
1770	97	279	04:11:51.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5393.96 +/- 10	1O0	4	0	4,161,140:31:0	
1771	97	279	04:11:51.400	175UJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,140:31:0	
1772	97	279	04:11:52.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5394.96 +/- 10	1O0	4	0	4,161,140:32:8	
1773	97	279	04:12:03.400	118JO11A	**SMOS**	GE		1O0	4	0	4,161,140:49:0	
1774	97	279	04:12:07.400	175UK422A6A	6DMSC	R115,3	DMS Control	1O0	4	0	4,161,140:55:0	
1775	97	279	04:12:07.400		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5394.96 +/- 10	1O0	4	0	4,161,140:55:0	
1776	97	279	04:12:14.066		DMS:	: *RUNUP	R115, TRACK *3, FWD, TIC 5394.96 +/- 10	1O0	4	0	4,161,140:65:0	
1777	97	279	04:12:17.400	175UK176A6A	6TMREC	HIS	115.2 KBPS SSI + NIMS RECORD Record Mode	1O0	4	0	4,161,140:70:0	
1778	97	279	04:12:18.066		DMS:	: *AT_SPD	R115, TRACK 3, FWD, TIC 5401.26 +/- 10	1O0	4	0	4,161,140:71:0	
1779	97	279	04:12:18.066		DMS:	**: *RECORD**	R115, TRACK 3, FWD, TIC *5401.26 +/- 10	1O0	4	0	4,161,140:71:0	
1780	97	279	04:12:21.400	175UK422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,140:76:0	
1781	97	279	04:12:21.400		DMS:	**: *RUNDOWN**	R115, TRACK 3, FWD, TIC *5412.98 +/- 10	1O0	4	0	4,161,140:76:0	
1782	97	279	04:12:22.600		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5413.98 +/- 10	1O0	4	0	4,161,140:77:8	
1783	97	279	04:15:05.400	20KA4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,161,143:49:0	
1784	97	279	04:21:47.400	41SD99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,161,150:15:0	
1785	**97**	**279**	**04:23:41.400**	**41SD3G**	**40T1P**	**1**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,161,152:04:0**	
1786	**97**	**279**	**04:23:51.400**	**41SD3H**	**40T1P**	**2**	**PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,161,152:19:0**	
1787	**97**	**279**	**04:24:01.400**	**41SD3I**	**40T2**	**1**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,161,152:34:0**	
1788	**97**	**279**	**04:24:11.400**	**41SD3J**	**40T2**	**2**	**PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,161,152:49:0**	
1789	**97**	**279**	**04:37:46.733**	**432SI6A**	**6RTDS2**	**NIMNCG,AACNCG,RT**	**R/T ENG DESLECT**	**1O0**	**4**	**0**	**4,161,165:89:0**	
1790	97	279	05:03:21.400	490UC412A4B	**7MODE**	**INT**	**AACS INERTIAL MODE**	1O0	4	0	4,161,191:25:0	
1791	97	279	05:08:19.400	490UC412A4D	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,161,196:17:0	
1792	97	279	05:12:29.400	490UC412A4E	7VECT	RTH	Inert vect update UTC	1O0	4	0	4,161,200:28:0	
1793	97	279	05:12:33.400	490UC412A4F	7TURN	1,RTH	ALERT Thruster	1O0	4	0	4,161,200:34:0	
1794	97	279	05:16:21.400	490UC412A406A4A	7STAR	1,3000,95.710999	Star catalog update	1O0	4	0	4,161,204:12:0	
1795	97	279	05:16:23.400	490UC412A406A4B	7STAR	2,111,257.16	Star catalog update	1O0	4	0	4,161,204:15:0	
1796	97	279	05:16:25.400	490UC412A406A4C	7STAR	3,138,199.44	Star catalog update	1O0	4	0	4,161,204:18:0	
1797	97	279	05:16:27.400	490UC412A406A4D	7STAR	4,0,0.0,0.0	Star catalog update	1O0	4	0	4,161,204:21:0	
1798	97	279	05:16:29.400	490UC412A406A4E	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	4,161,204:24:0	
1799	97	279	05:16:31.400	490UC412A406A4F	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	4,161,204:27:0	
1800	**97**	**279**	**05:24:18.733**	**432SJ6A**	**6RTSL2**	**NIMNCG,AACNCG,RT**	**R/T ENG SELECT**	**1O0**	**4**	**0**	**4,161,212:00:0**	
1801	97	279	05:42:57.400	488CA6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,161,230:40:0	
1802	97	279	06:01:20.066	488CA6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,161,248:56:0	
1803	97	279	06:33:25.400	20UE4B	7STAR	1,3000,95.711,-5	Star catalog update	1O0	4	0	4,161,280:32:0	
1804	97	279	06:33:27.400	20UE4C	7STAR	2,98,27.694,63.4	Star catalog update	1O0	4	0	4,161,280:35:0	
1805	97	279	06:33:29.400	20UE4D	7STAR	3,111,257.158,65	Star catalog update	1O0	4	0	4,161,280:38:0	
1806	97	279	06:33:31.400	20UE4E	7STAR	4,138,199.439,-3	Star catalog update	1O0	4	0	4,161,280:41:0	
1807	97	279	06:33:33.400	20UE4F	7STAR	5,0,0.0,0.0	Star catalog update	1O0	4	0	4,161,280:44:0	
1808	97	279	06:33:35.400	20UE4G	7STAR	6,0,0.0,0.0	Star catalog update	1O0	4	0	4,161,280:47:0	
1809	97	279	06:49:32.066	490UC412A4L	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	4,161,296:26:0	
1810	97	279	06:53:59.400	432OQ431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,161,300:63:0	
1811	97	279	06:54:00.066	432OQ6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,161,300:64:0	
1812	97	279	07:17:37.400	41SZ99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	1O0	4	0	4,161,324:06:0	
1813	**97**	**279**	**07:17:41.400**	**41SZ3I**	**40T1PR**	**1**	**PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,161,324:12:0**	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1814	**97**	**279**	**07:17:51.400**	**41SZ3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,161,324:27:0**	
1815	**97**	**279**	**07:18:01.400**	**41SZ3K**	**40T2R**		**1 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,161,324:42:0**	
1816	**97**	**279**	**07:18:11.400**	**41SZ3L**	**40T2R**		**2 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,161,324:57:0**	
1817	97	279	07:29:32.733		DMS:	: *E4-DELAY	RDY, TRACK *1, FWD, TIC 5413.98 +/- 10	1O0	4	0	4,161,335:78:0	
1818	97	279	07:29:32.733	175ZQ422A6A	6DMSC	R7,3	DMS Control	1O0	4	0	4,161,335:78:0	
1819	97	279	07:29:39.400		DMS:	: *RUNUP	R7, TRACK *3, FWD, TIC 5413.98 +/- 10	1O0	4	0	4,161,335:88:0	
1820	97	279	07:29:40.733	175ZQ176A6A	6TMREC	LPW	7.68 KBPS LOW RATE SCI PWS RECORD Record	1O0	4	0	4,161,335:90:0	
1821	97	279	07:29:40.800		DMS:	**: *RECORD**	R7, TRACK 3, FWD, TIC *5414.10 +/- 10	1O0	4	0	4,161,335:90:1	
1822	97	279	07:29:40.800		DMS:	: *AT_SPD	R7, TRACK 3, FWD, TIC 5414.10 +/- 10	1O0	4	0	4,161,335:90:1	
1823	97	279	07:34:48.066		DMS:	**: *RUNDOWN**	R7, TRACK 3, FWD, TIC *5486.12 +/- 10	1O0	4	0	4,161,341:05:0	
1824	97	279	07:34:48.066	175ZQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	1O0	4	0	4,161,341:05:0	
1825	97	279	07:34:49.266		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *5486.18 +/- 10	1O0	4	0	4,161,341:06:8	
1826	97	279	07:37:50.733	41SY99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,161,344:06:0	
1827	**97**	**279**	**07:39:44.733**	**41SY3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,161,345:86:0**	
1828	**97**	**279**	**07:39:54.733**	**41SY3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,161,346:10:0**	
1829	**97**	**279**	**07:40:04.733**	**41SY3I**	**40T2**		**1 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,161,346:25:0**	
1830	**97**	**279**	**07:40:14.733**	**41SY3J**	**40T2**		**2 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,161,346:40:0**	
1831	97	279	07:42:04.066	20UC4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,161,348:22:0	
1832	97	279	07:42:54.066	20UC4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,161,349:06:0	
1833	97	279	07:45:52.066	176TD6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,161,352:00:0	
1834	97	279	12:45:21.400	488CB6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,161,648:18:0	
1835	97	279	13:40:49.400	488CB6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,161,703:05:0	
1836	97	279	14:44:49.400	488CB6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,161,766:32:0	
1837	97	279	15:21:05.333	488CB6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,161,802:20:0	
1838	97	279	16:44:17.333	488CB6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,161,884:46:0	
1839	97	279	22:29:53.333	488CC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,162,226:28:0	
1840	97	280	00:09:25.333	488CC6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,162,324:68:0	
1841	97	280	00:33:37.333	488CC6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,162,348:62:0	
1842	97	280	00:40:02.000	488CC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,162,355:02:0	
1843	97	280	03:32:49.333	488CC6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,162,525:83:0	
1844	97	280	04:45:03.333	488CD6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,162,597:32:0	
1845	97	280	04:47:29.333	488CD6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,162,599:69:0	
1846	97	280	04:49:09.333	488CD6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,162,601:37:0	
1847	97	280	08:20:41.333	488CD6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,162,810:56:0	
1848	97	280	08:44:06.000	488CD6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,162,833:70:0	
1849	97	280	13:00:17.333	488CE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,163,087:13:0	
1850	97	280	13:30:09.333	488CE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,163,116:62:0	
1851	97	280	14:44:49.333	488CE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,163,190:48:0	
1852	97	280	15:21:05.333	488CE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,163,226:36:0	
1853	97	280	15:38:09.333	488CE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,163,243:25:0	
1854	97	280	16:33:37.333	488CF6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,163,298:12:0	
1855	97	280	22:29:53.266	488CF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,163,650:44:0	
1856	97	280	22:33:49.933	488CG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,163,654:35:0	
1857	97	280	23:33:53.266	488CG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,163,713:71:0	
1858	97	280	23:47:41.933	488CG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,163,727:40:0	
1859	97	281	01:29:05.266	488CG6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,163,827:65:0	
1860	97	281	03:32:49.266	488CG6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,163,950:08:0	
1861	97	281	03:51:43.266	488CH6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,163,968:71:0	
1862	97	281	03:54:09.266	488CH6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,163,971:17:0	
1863	97	281	03:55:49.266	488CH6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,163,972:76:0	
1864	97	281	13:04:33.266	488CI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,164,515:49:0	
1865	97	281	13:30:09.266	488CI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,164,540:78:0	
1866	97	281	14:44:49.266	488CI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,164,614:64:0	
1867	97	281	15:14:41.266	488CI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,164,644:22:0	
1868	97	281	15:33:53.266	488CI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,164,663:21:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1869	97	281	16:27:13.266	488CJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,164,715:89:0	
1870	97	281	22:29:53.266	488CK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,165,074:60:0	
1871	97	282	00:01:35.933	488CK6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,165,165:33:0	
1872	97	282	00:03:45.266	488CK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,165,167:45:0	
1873	97	282	00:31:31.933	488CK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,165,194:88:0	
1874	97	282	03:43:29.266	488CK6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,165,384:74:0	
1875	97	282	04:48:49.933	488CL6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,165,449:40:0	
1876	97	282	05:17:21.200	488CL6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,165,477:59:0	
1877	97	282	05:19:01.200	488CL6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,165,479:27:0	
1878	97	282	13:10:57.200	488CM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,165,946:04:0	
1879	97	282	13:25:53.200	488CM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,165,960:74:0	
1880	97	282	14:40:33.200	488CM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,166,034:60:0	
1881	97	282	15:10:25.200	488CM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,166,064:18:0	
1882	97	282	15:27:29.200	488CM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,166,081:07:0	
1883	97	282	16:18:41.200	488CN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,166,131:65:0	
1884	97	282	22:29:53.200	488CO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,166,498:76:0	
1885	97	282	23:08:17.200	488CO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,166,536:74:0	
1886	97	283	00:52:49.200	488CO6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,166,640:18:0	
1887	97	283	03:22:09.200	488CO6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,166,787:81:0	
1888	97	283	03:30:23.200	488CO6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,166,796:03:0	
1889	97	283	03:32:49.200	488CP6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,166,798:40:0	
1890	97	283	03:34:29.200	488CP6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,166,800:08:0	
1891	97	283	13:15:13.133	488CQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,167,374:40:0	
1892	97	283	13:25:53.133	488CQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,167,384:90:0	
1893	97	283	14:40:33.133	488CQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,167,458:76:0	
1894	97	283	15:06:09.133	488CQ6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,167,484:14:0	
1895	97	283	16:12:17.133	488CQ6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,167,549:51:0	
1896	97	283	22:29:53.133	488CR6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,167,923:01:0	
1897	97	283	23:48:49.133	488CR6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,168,001:07:0	
1898	97	283	23:57:39.800	488CR6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,168,009:75:0	
1899	97	284	00:26:45.800	488CR6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,168,038:55:0	
1900	97	284	03:32:49.133	488CR6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,168,222:56:0	
1901	97	284	04:39:03.800	488CS6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,168,288:12:0	
1902	97	284	05:08:49.133	488CS6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,168,317:51:0	
1903	97	284	05:10:29.133	488CS6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,168,319:19:0	
1904	97	284	13:15:13.133	488CT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,168,798:56:0	
1905	97	284	13:19:29.133	488CT6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,168,802:76:0	
1906	97	284	14:34:09.133	488CT6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,168,876:62:0	
1907	97	284	15:04:01.133	488CT6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,168,906:20:0	
1908	97	284	16:08:01.133	488CT6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,168,969:47:0	
1909	97	284	22:25:37.066	488CU6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,169,342:88:0	
1910	97	284	22:57:37.066	488CU6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,169,374:56:0	
1911	97	284	23:47:33.066	176BI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,169,424:00:0	
1912	97	284	23:50:34.400	165BK4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,169,426:90:0	
1913	97	284	23:54:44.400	20UT4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,169,431:10:0	
1914	97	284	23:55:34.400	20UT4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,169,431:85:0	
1915	97	284	23:56:39.066	176BJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,169,433:00:0	
1916	97	285	00:33:37.066	488CU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,169,469:51:0	
1917	97	285	03:13:37.066	488CU6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,169,627:73:0	
1918	97	285	03:19:43.066	488CU6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,169,633:76:0	
1919	97	285	03:22:09.066	488CV6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,169,636:22:0	
1920	97	285	03:23:49.066	488CV6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,169,637:81:0	
1921	97	285	13:15:13.066	488CW6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,170,222:72:0	
1922	97	285	14:34:09.066	488CW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,170,300:78:0	
1923	97	285	14:55:29.066	488CW6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,170,321:87:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1924	97	285	15:16:49.066	488CW6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,170,343:05:0	
1925	97	285	16:30:05.066	488CW6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,170,415:47:0	
1926	97	285	17:03:44.400	488CX6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,170,448:73:0	
1927	97	285	17:33:21.066	488CX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,170,478:08:0	
1928	97	285	20:49:37.066	488CX6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,170,672:18:0	
1929	97	285	23:38:09.066	488CY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,170,838:80:0	
1930	97	285	23:42:53.733	488CY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,170,843:52:0	
1931	97	286	00:16:59.733	488CY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,170,877:27:0	
1932	97	286	03:13:37.000	488CY6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,171,051:89:0	
1933	97	286	03:49:35.000	488CY6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,171,087:50:0	
1934	97	286	03:52:01.000	488CZ6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,171,089:87:0	
1935	97	286	03:53:41.000	488CZ6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,171,091:55:0	
1936	97	286	07:56:23.000	488CZ6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,171,331:58:0	
1937	97	286	08:19:48.333	488CZ6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,171,354:73:0	
1938	97	286	13:08:49.000	488DA6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,171,640:58:0	
1939	97	286	14:29:53.000	488DA6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,171,720:74:0	
1940	97	286	14:55:29.000	488DA6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,171,746:12:0	
1941	97	286	15:12:33.000	488DA6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,171,763:01:0	
1942	97	286	15:57:21.000	488DA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,171,807:29:0	
1943	97	286	22:19:13.000	488DB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,172,184:90:0	
1944	97	286	22:53:21.000	488DB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,172,218:68:0	
1945	97	286	23:58:19.000	176TE6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,172,283:00:0	
1946	97	287	00:02:21.666		DMS:	: *SLEW-TIC	P7, TRACK *2, *REV, TIC 5486.18 +/- 10	1O0	4	0	4,172,287:00:0	
1947	97	287	00:02:21.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5486.18 +/- 10	1O0	4	0	4,172,287:00:0	
1948	97	287	00:02:21.666	465WA6A	6DMST	5000	DMS Slew to TIC	1O0	4	0	4,172,287:00:0	
1949	97	287	00:02:23.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5486.30 +/- 10	1O0	4	0	4,172,287:02:1	
1950	97	287	00:02:28.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5487.53 +/- 10	1O0	4	0	4,172,287:10:0	
1951	97	287	00:02:29.533		DMS:	: *RUNUP	P7, TRACK *2, *REV, TIC *5487.59 +/- 10	1O0	4	0	4,172,287:11:8	
1952	97	287	00:02:30.933		DMS:	: *AT_SPD	P7, TRACK 2, REV, TIC *5487.47 +/- 10	1O0	4	0	4,172,287:13:9	
1953	97	287	00:22:57.000	488DB6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,172,307:33:0	
1954	97	287	00:37:01.133		DMS:	**: *RUNDOWN**	P7, TRACK 2, REV, TIC *5002.06 +/- 10	1O0	4	0	4,172,321:25:2	
1955	97	287	00:37:02.333		DMS:	: *READY	RDY, TRACK 2, REV, TIC *5002.00 +/- 10	1O0	4	0	4,172,321:27:0	
1956	97	287	03:07:13.000	488DB6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,172,469:75:0	
1957	97	287	03:09:03.000	488DB6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,172,471:58:0	
1958	97	287	03:11:29.000	488DC6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,172,474:04:0	
1959	97	287	03:13:09.000	488DC6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,172,475:63:0	
1960	97	287	05:56:03.000	465WB6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,636:73:0	
1961	97	287	05:56:03.000		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 5002.00 +/- 10	1O0	4	0	4,172,636:73:0	
1962	97	287	05:56:04.400		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *5002.12 +/- 10	1O0	4	0	4,172,636:75:1	
1963	97	287	05:56:09.666		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *5003.35 +/- 10	1O0	4	0	4,172,636:83:0	
1964	97	287	05:56:10.866		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *5003.41 +/- 10	1O0	4	0	4,172,636:84:8	
1965	97	287	05:56:14.733		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 4997.91 +/- 10	1O0	4	0	4,172,636:90:6	
1966	97	287	05:56:14.733		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *4997.91 +/- 10	1O0	4	0	4,172,636:90:6	
1967	97	287	06:21:55.000	465WB6B	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	4,172,662:35:0	
1968	97	287	06:21:55.000		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 259.79 +/- 10	1O0	4	0	4,172,662:35:0	
1969	97	287	06:21:56.200		DMS:	: *READY	RDY, TRACK 4, REV, TIC * 258.99 +/- 10	1O0	4	0	4,172,662:36:8	
1970	97	287	07:00:00.333	488DC6C	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	4,172,700:05:0	
1971	97	287	08:20:43.666	465WC6A	6DTRN	CMD,6DTRN,465WC6	DMS TRACK TURNAROUND	1O0	4	0	4,172,779:81:0	
1972	97	287	08:20:43.666		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 258.99 +/- 10	1O0	4	0	4,172,779:81:0	
1973	97	287	08:20:43.666		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 258.99 +/- 10	1O0	4	0	4,172,779:81:0	
1974	97	287	08:20:45.066		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 259.11 +/- 10	1O0	4	0	4,172,779:83:1	
1975	97	287	08:20:50.333		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 260.34 +/- 10	1O0	4	0	4,172,780:00:0	
1976	97	287	08:20:51.533		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 260.40 +/- 10	1O0	4	0	4,172,780:01:8	
1977	97	287	08:20:52.933		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 260.28 +/- 10	1O0	4	0	4,172,780:03:9	
1978	97	287	08:25:10.666		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/- 10	1O0	4	0	4,172,784:26:5	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
1979	97	287	08:25:11.866		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/- 10	1O0	4	0	4,172,784	28:3
1980	97	287	08:25:11.866		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/- 10	1O0	4	0	4,172,784	28:3
1981	97	287	08:25:13.266		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	4,172,784	30:4
1982	97	287	08:25:25.266		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	4,172,784	48:4
1983	97	287	08:25:26.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	4,172,784	50:2
1984	97	287	08:30:46.333	465WD6A	6DMSC	P100,1	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,789	75:0
1985	97	287	08:30:46.333		DMS:	: *E4-DELAY	RDY, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,172,789	75:0
1986	97	287	08:30:53.000		DMS:	: *RUNUP	P100, TRACK 1, FWD, TIC 202.12 +/-	1O0	4	0	4,172,789	85:0
1987	97	287	08:30:56.866		DMS:	: *AT_SPD	P100, TRACK 1, FWD, TIC 207.62 +/-	1O0	4	0	4,172,789	90:8
1988	97	287	08:30:56.866		DMS:	: *P_SLEW	P100, TRACK 1, FWD, TIC * 207.62 +/-	1O0	4	0	4,172,789	90:8
1989	97	287	09:02:40.266	465WD6B	6DMSC	RDY,1	DMS Control Tape stop	1O0	4	0	4,172,821	34:0
1990	97	287	09:02:40.266		DMS:	**: *RUNDOWN**	P100, TRACK 1, FWD, TIC *6062.81 +/-	1O0	4	0	4,172,821	34:0
1991	97	287	09:02:41.466		DMS:	: *READY	RDY, TRACK 1, FWD, TIC *6063.61 +/-	1O0	4	0	4,172,821	35:8
1992	97	287	09:18:16.266	465WE6A	6DMSC	P100,2	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,836	73:0
1993	97	287	09:18:16.266		DMS:	: *US-RUNUP	P7, TRACK 1, FWD, TIC 6063.61 +/-	1O0	4	0	4,172,836	73:0
1994	97	287	09:18:17.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.73 +/-	1O0	4	0	4,172,836	75:1
1995	97	287	09:18:22.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.96 +/-	1O0	4	0	4,172,836	83:0
1996	97	287	09:18:24.133		DMS:	: *RUNUP	P100, TRACK *2, *REV, TIC *6065.02 +/-	1O0	4	0	4,172,836	84:8
1997	97	287	09:18:28.000		DMS:	: *P_SLEW	P100, TRACK 2, REV, TIC *6059.52 +/-	1O0	4	0	4,172,836	90:6
1998	97	287	09:18:28.000		DMS:	: *AT_SPD	P100, TRACK 2, REV, TIC 6059.52 +/-	1O0	4	0	4,172,836	90:6
1999	97	287	09:50:24.266		DMS:	**: *RUNDOWN**	P100, TRACK 2, REV, TIC * 164.76 +/-	1O0	4	0	4,172,868	53:0
2000	97	287	09:50:24.266	465WF6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,868	53:0
2001	97	287	09:50:25.466		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 163.96 +/-	1O0	4	0	4,172,868	54:8
2002	97	287	09:50:29.333		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 169.46 +/-	1O0	4	0	4,172,868	60:6
2003	97	287	09:50:29.333		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 169.46 +/-	1O0	4	0	4,172,868	60:6
2004	97	287	10:22:24.933	465WF6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,172,900	22:0
2005	97	287	10:22:24.933		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC *6062.17 +/-	1O0	4	0	4,172,900	22:0
2006	97	287	10:22:26.133		DMS:	: *READY	RDY, TRACK 3, FWD, TIC *6062.97 +/-	1O0	4	0	4,172,900	23:8
2007	97	287	10:37:08.266		DMS:	: *US-RUNUP	P7, TRACK *1, FWD, TIC 6062.97 +/-	1O0	4	0	4,172,914	73:0
2008	97	287	10:37:08.266	465WG6A	6DMSC	P100,4	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,914	73:0
2009	97	287	10:37:09.666		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC *6063.09 +/-	1O0	4	0	4,172,914	75:1
2010	97	287	10:37:14.933		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC *6064.33 +/-	1O0	4	0	4,172,914	83:0
2011	97	287	10:37:16.133		DMS:	: *RUNUP	P100, TRACK *4, *REV, TIC *6064.39 +/-	1O0	4	0	4,172,914	84:8
2012	97	287	10:37:20.000		DMS:	: *P_SLEW	P100, TRACK 4, REV, TIC *6058.89 +/-	1O0	4	0	4,172,914	90:6
2013	97	287	10:37:20.000		DMS:	: *AT_SPD	P100, TRACK 4, REV, TIC 6058.89 +/-	1O0	4	0	4,172,914	90:6
2014	97	287	11:09:15.600		DMS:	**: *RUNDOWN**	P100, TRACK 4, REV, TIC * 166.17 +/-	1O0	4	0	4,172,946	52:0
2015	97	287	11:09:15.600	465WH6A	6DMSC	P100,3	DMS Control Tape P/B 100.8kbps	1O0	4	0	4,172,946	52:0
2016	97	287	11:09:16.800		DMS:	: *RUNUP	P100, TRACK *3, *FWD, TIC * 165.37 +/-	1O0	4	0	4,172,946	53:8
2017	97	287	11:09:20.666		DMS:	: *P_SLEW	P100, TRACK 3, FWD, TIC * 170.87 +/-	1O0	4	0	4,172,946	59:6
2018	97	287	11:09:20.666		DMS:	: *AT_SPD	P100, TRACK 3, FWD, TIC 170.87 +/-	1O0	4	0	4,172,946	59:6
2019	97	287	11:10:21.600		DMS:	**: *RUNDOWN**	P100, TRACK 3, FWD, TIC * 358.31 +/-	1O0	4	0	4,172,947	60:0
2020	97	287	11:10:21.600	465WH6B	6DMSC	RDY,3	DMS Control Tape stop	1O0	4	0	4,172,947	60:0
2021	97	287	11:10:22.800		DMS:	: *READY	RDY, TRACK 3, FWD, TIC * 359.11 +/-	1O0	4	0	4,172,947	61:8
2022	97	287	11:24:51.600	465WI6A	6DMSC	RDY,4	DMS Control Tape stop	1O0	4	0	4,172,962	00:0
2023	97	287	11:24:51.600		DMS:	: READY	RDY, TRACK *4, *REV, TIC 359.11 +/-	1O0	4	0	4,172,962	00:0
2024	97	287	11:25:45.600	465WJ6A	6DTRN	CMD,6DTRN,465WJ6	DMS TRACK TURNAROUND	1O0	4	0	4,172,962	81:0
2025	97	287	11:25:45.600		DMS:	: *DMS-TURN	P7, TRACK 4, REV, TIC 359.11 +/-	1O0	4	0	4,172,962	81:0
2026	97	287	11:25:45.600		DMS:	: *US-RUNUP	P7, TRACK *1, *FWD, TIC 359.11 +/-	1O0	4	0	4,172,962	81:0
2027	97	287	11:25:47.000		DMS:	: *US_AT_SP	P7, TRACK 1, FWD, TIC * 359.23 +/-	1O0	4	0	4,172,962	83:1
2028	97	287	11:25:52.266		DMS:	: *US_RD	P7, TRACK 1, FWD, TIC * 360.47 +/-	1O0	4	0	4,172,963	00:0
2029	97	287	11:25:53.466		DMS:	: *RUNUP	P7, TRACK *4, *REV, TIC * 360.53 +/-	1O0	4	0	4,172,963	01:8
2030	97	287	11:25:54.866		DMS:	: *AT_SPD	P7, TRACK 4, REV, TIC * 360.41 +/-	1O0	4	0	4,172,963	03:9
2031	97	287	11:37:19.800		DMS:	: *REVERSE	P7, TRACK 4, REV, TIC * 199.87 +/-	1O0	4	0	4,172,974	30:3
2032	97	287	11:37:21.000		DMS:	: *TURNARND	P7, TRACK *1, *FWD, TIC * 199.81 +/-	1O0	4	0	4,172,974	32:1
2033	97	287	11:37:21.000		DMS:	: *RUNUP	P7, TRACK 1, FWD, TIC 199.81 +/-	1O0	4	0	4,172,974	32:1

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2034	97	287	11:37:22.400		DMS:	: *AT_SPD	P7, TRACK 1, FWD, TIC * 199.93 +/-	1O0	4	0	4,172,974:34:2	
2035	97	287	11:37:34.400		DMS:	: *AUTOSTOP	P7, TRACK 1, FWD, TIC * 202.06 +/-	1O0	4	0	4,172,974:52:2	
2036	97	287	11:37:35.600		DMS:	: *READY	RDY, TRACK 1, FWD, TIC * 202.12 +/-	1O0	4	0	4,172,974:54:0	
2037	97	287	12:00:00.266	488DD6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,172,996:69:0	
2038	97	287	12:01:04.266	20UD4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,172,997:74:0	
2039	97	287	12:01:54.266	20UD4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,172,998:58:0	
2040	97	287	12:03:16.933	176TF6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,173,000:00:0	
2041	97	287	13:08:48.933	488DD6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,173,064:74:0	
2042	97	287	14:25:36.933	488DD6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,173,140:70:0	
2043	97	287	14:49:04.933	488DD6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,173,163:89:0	
2044	97	287	15:08:16.933	488DD6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,173,182:88:0	
2045	97	287	15:53:04.933	488DE6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,173,227:25:0	
2046	97	287	22:14:56.933	488DF6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,173,604:86:0	
2047	97	287	23:31:44.933	488DF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,173,680:82:0	
2048	97	287	23:38:07.600	488DF6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,173,687:19:0	
2049	97	288	00:07:13.600	488DF6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,173,715:90:0	
2050	97	288	03:02:56.933	488DF6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,173,889:71:0	
2051	97	288	03:13:36.933	488DG6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,173,900:30:0	
2052	97	288	04:29:31.600	488DG6B	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,173,975:37:0	
2053	97	288	04:53:52.933	488DG6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,173,999:45:0	
2054	97	288	04:55:32.933	488DG6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,174,001:13:0	
2055	97	288	13:00:16.933	488DH6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,174,480:50:0	
2056	97	288	14:23:28.933	488DH6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,174,562:76:0	
2057	97	288	14:44:48.933	488DH6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,174,583:85:0	
2058	97	288	15:04:00.933	488DH6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,174,602:84:0	
2059	97	288	16:20:26.200	488DH6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,174,678:46:0	
2060	97	288	16:54:05.533	488DI6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,174,711:72:0	
2061	97	288	17:22:40.866	488DI6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,174,740:06:0	
2062	97	288	20:38:56.866	488DI6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,174,934:16:0	
2063	97	288	22:42:40.866	488DI6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,175,056:50:0	
2064	97	288	23:38:14.200	488DJ6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,175,111:45:0	
2065	97	289	00:07:20.866	488DJ6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,175,140:26:0	
2066	97	289	00:12:16.866	488DJ6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,175,145:15:0	
2067	97	289	03:02:56.866	488DJ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,175,313:87:0	
2068	97	289	03:04:46.866	488DJ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,175,315:70:0	
2069	97	289	03:07:12.866	488DK6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,175,318:16:0	
2070	97	289	03:08:52.866	488DK6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,175,319:75:0	
2071	97	289	13:00:16.866	488DL6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,175,904:66:0	
2072	97	289	14:19:12.866	488DL6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,175,982:72:0	
2073	97	289	14:44:48.866	488DL6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,176,008:10:0	
2074	97	289	15:46:40.866	488DL6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,176,069:27:0	
2075	97	289	22:04:16.866	488DM6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,176,442:68:0	
2076	97	289	23:23:12.800	488DM6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,176,520:74:0	
2077	97	289	23:33:21.466	488DM6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,176,530:77:0	
2078	97	290	00:02:27.466	488DM6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,176,559:57:0	
2079	97	290	02:56:32.800	488DM6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,176,731:73:0	
2080	97	290	03:34:38.800	488DN6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,176,769:44:0	
2081	97	290	03:37:04.800	488DN6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,176,771:81:0	
2082	97	290	03:38:44.800	488DN6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,176,773:49:0	
2083	97	290	07:41:51.466	488DN6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,177,013:89:0	
2084	97	290	08:05:16.133	488DN6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,177,037:12:0	
2085	97	290	12:53:52.800	488DO6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,177,322:52:0	
2086	97	290	14:14:56.800	488DO6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,177,402:68:0	
2087	97	290	14:38:24.800	488DO6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,177,425:87:0	
2088	97	290	14:57:36.800	488DO6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,177,444:86:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2089	97	290	16:15:40.133	488DO6E	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,177,522:13:0	
2090	97	290	16:49:19.466	488DP6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,177,555:39:0	
2091	97	290	17:16:16.800	488DP6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,177,582:08:0	
2092	97	290	20:28:16.800	488DP6C	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,177,771:89:0	
2093	97	290	23:21:04.800	488DQ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,177,942:80:0	
2094	97	290	23:23:28.800	488DQ6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,177,945:23:0	
2095	97	290	23:57:34.800	488DQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,177,978:89:0	
2096	97	291	02:52:16.800	488DQ6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,178,151:69:0	
2097	97	291	03:30:22.133	488DQ6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,178,189:39:0	
2098	97	291	03:32:48.800	488DR6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,178,191:77:0	
2099	97	291	03:34:28.800	488DR6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,178,193:45:0	
2100	97	291	07:41:58.066	488DR6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,178,438:24:0	
2101	97	291	08:05:23.400	488DR6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,178,461:39:0	
2102	97	291	12:49:36.733	488DS6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,178,742:48:0	
2103	97	291	14:08:32.733	488DS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,178,820:54:0	
2104	97	291	14:34:08.733	488DS6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,178,845:83:0	
2105	97	291	14:51:12.733	488DS6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,178,862:72:0	
2106	97	291	15:42:24.733	488DS6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,178,913:39:0	
2107	97	291	15:53:00.066	488DT6A	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	4,178,923:82:0	
2108	97	291	15:57:08.733	176TI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,178,928:00:0	
2109	97	291	22:00:00.733	488DU6A	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	1O0	4	0	4,179,286:80:0	
2110	97	291	22:32:00.733	488DU6B	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	1O0	4	0	4,179,318:48:0	
2111	97	292	00:01:36.733	488DU6C	6TMSED	NORM,AH6	Sci, Eng, and D/L Chan	1O0	4	0	4,179,407:13:0	
2112	97	292	02:45:52.733	488DU6D	6TMSED	NORM,AH7	Sci, Eng, and D/L Chan	1O0	4	0	4,179,569:55:0	
2113	97	292	02:54:06.733	488DU6E	6TMSED	FILL,AH7	Sci, Eng, and D/L Chan	1O0	4	0	4,179,577:68:0	
2114	97	292	02:56:32.733	488DV6A	6TMSED	FILL,AH8	Sci, Eng, and D/L Chan	1O0	4	0	4,179,580:14:0	
2115	97	292	02:58:12.733	488DV6B	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	4,179,581:73:0	
2116	97	292	06:00:04.066	20UF4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,179,761:60:0	
2117	97	292	06:00:54.066	20UF4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,179,762:44:0	
2118	97	292	06:02:00.066	488DV6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,179,763:52:0	
2119	97	292	06:02:26.066	176TJ6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,179,764:00:0	
2120	97	292	06:08:00.066	432OU431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,179,769:46:0	
2121	97	292	06:08:00.733	432OU6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,179,769:47:0	
2122	**97**	**292**	**09:49:59.733**	**10NNRCTRLT02-**		**-----START------**		**1O0**	**4**	**0**	**: :**	
2123	97	292	09:50:00.066	41VG99A	**POWER**	**PWR MODE change**	**Change to Calib/Decon Mode**	1O0	4	0	4,179,989:06:0	
2124	**97**	**292**	**09:50:04.066**	**41VG3I**	**40T1PR**		**1 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,179,989:12:0**	
2125	**97**	**292**	**09:50:14.066**	**41VG3J**	**40T1PR**		**2 PCT Heater 1 OFF (primary relay)**	**1O0**	**4**	**0**	**4,179,989:27:0**	
2126	**97**	**292**	**09:50:24.066**	**41VG3K**	**40T2R**		**1 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,179,989:42:0**	
2127	**97**	**292**	**09:50:34.066**	**41VG3L**	**40T2R**		**2 PCT Heater 2 OFF**	**1O0**	**4**	**0**	**4,179,989:57:0**	
2128	97	292	10:01:03.400	176XI6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,180,000:00:0	
2129	97	292	10:04:09.400	20XG4A	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,180,003:06:0	
2130	97	292	10:08:16.066	20UU4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,180,007:12:0	
2131	97	292	10:09:06.066	20UU4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,180,007:87:0	
2132	97	292	10:11:10.066	176YE6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,180,010:00:0	
2133	**97**	**292**	**10:12:10.733**	**185XG10A3A**	**40HRP**		**1 RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**4,180,011:00:0**	
2134	**97**	**292**	**10:12:16.066**	**185XG10B3A**	**40HRP**		**2 RCT Heater ON (primary relay)**	**1O0**	**4**	**0**	**4,180,011:08:0**	
2135	97	292	12:43:12.733	488DW6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,180,160:34:0	
2136	97	292	12:49:36.733	488DW6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,180,166:64:0	
2137	97	292	14:04:16.666	488DW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,180,240:50:0	
2138	97	292	14:29:52.666	488DW6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,180,265:79:0	
2139	97	292	14:51:12.666	488DW6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,180,286:88:0	
2140	97	292	16:05:53.333	488DX6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,180,360:75:0	
2141	97	292	16:39:32.666	488DX6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,180,394:10:0	
2142	97	292	17:16:16.666	488DX6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,180,430:40:0	
2143	97	292	20:13:20.666	488DX6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,180,605:51:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2144	97	292	22:06:57.333	125XG	NIMSINIT	GS	##### GROUP START INIT	1O0	4	0	4,180,717	84:0
2145	**97**	**292**	**22:06:57.333**	**125XG4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,180,717**	**84:0**
2146	**97**	**292**	**22:07:58.000**	**125XG4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**4,180,718**	**84:0**
2147	**97**	**292**	**22:08:58.666**	**125XG4C**	**37IST**	**0,2,0,OFF,0,1,3**	**Gain State 1**	**1R0**	**4**	**0**	**4,180,719**	**84:0**
2148	97	292	22:09:59.333	125XG11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,180,720	84:0
2149	**97**	**292**	**22:09:59.333**	**125XG4D**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,180,720**	**84:0**
2150	97	292	22:12:00.666	127XG	NIMSTAB	GS	%%%%% GROUP START TAB	1R0	4	0	4,180,722	84:0
2151	**97**	**292**	**22:12:00.666**	**127XG4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**1R3**	**4**	**0**	**4,180,722**	**84:0**
2152	**97**	**292**	**22:12:01.333**	**127XG4B**	**37ETB**	**0A,CA,18,03,FF,1**	**Loads wavelength edit table**	**1R3**	**4**	**0**	**4,180,722**	**85:0**
2153	97	292	22:12:09.333	127XG11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R3	4	0	4,180,723	06:0
2154	97	292	22:16:08.000	176XG6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1R3	4	0	4,180,727	00:0
2155	97	292	22:18:11.333	20AC4A	7SCAN	NORM,325.403,-14	Check S/P Position	1R3	4	0	4,180,729	03:0
2156	97	292	22:22:12.000	192XG4A	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,180,733	00:0
2157	**97**	**292**	**22:24:33.333**	**432XG6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,180,735**	**30:0**
2158	**97**	**292**	**22:25:32.666**	**432XH6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,180,736**	**28:0**
2159	97	292	22:28:16.000	192XG4B	**7CONE**	**17.0,0.0**	**Check S/P Position**	1R3	4	0	4,180,739	00:0
2160	**97**	**292**	**22:30:37.333**	**432XI6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,180,741**	**30:0**
2161	**97**	**292**	**22:32:37.333**	**432YE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,180,743**	**28:0**
2162	97	292	22:34:20.000	192XG4C	**7CONE**	**17.0,119.7**	**Check S/P Position**	1R3	4	0	4,180,745	00:0
2163	**97**	**292**	**22:36:21.333**	**185XG10C3A**	**40HRPR**		**1 RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,180,747**	**00:0**
2164	**97**	**292**	**22:36:26.666**	**185XG10D3A**	**40HRPR**		**2 RCT Heater OFF (primary relay)**	**1R3**	**4**	**0**	**4,180,747**	**08:0**
2165	**97**	**292**	**22:36:41.333**	**432YF6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**1R3**	**4**	**0**	**4,180,747**	**30:0**
2166	**97**	**292**	**22:37:40.666**	**432ZE6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**1R3**	**4**	**0**	**4,180,748**	**28:0**
2167	97	292	22:40:24.000	192XG4D	**7CONE**	**17.0,153.0**	**Check S/P Position**	1R3	4	0	4,180,751	00:0
2168	97	292	22:41:20.000	127XH	NIMSTAB	GS	%%%%% GROUP START TAB	1R3	4	0	4,180,751	84:0
2169	**97**	**292**	**22:41:20.000**	**127XH4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**1R0**	**4**	**0**	**4,180,751**	**84:0**
2170	**97**	**292**	**22:41:20.666**	**127XH4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**1R0**	**4**	**0**	**4,180,751**	**85:0**
2171	97	292	22:41:28.666	127XH11A	NIMSTAB	GE	%%%%% GROUP END TAB	1R0	4	0	4,180,752	06:0
2172	97	292	22:42:40.666	488DY6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1R0	4	0	4,180,753	23:0
2173	**97**	**292**	**22:44:22.000**	**125XH4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**1R0**	**4**	**0**	**4,180,754**	**84:0**
2174	97	292	22:44:22.000	125XH	NIMSINIT	GS	##### GROUP START INIT	1R0	4	0	4,180,754	84:0
2175	**97**	**292**	**22:45:22.666**	**125XH4B**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,180,755**	**84:0**
2176	97	292	22:46:23.333	125XH11A	NIMSINIT	GE	##### GROUP END INIT	160	4	0	4,180,756	84:0
2177	**97**	**292**	**22:46:23.333**	**125XH4C**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**1O0**	**4**	**0**	**4,180,756**	**84:0**
2178	97	292	22:52:36.000	41VH99A	**POWER**	**PWR MODE change**	**Change to Maneuver/Playback Mode**	1O0	4	0	4,180,763	06:0
2179	**97**	**292**	**22:54:30.000**	**41VH3G**	**40T1P**		**1 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,180,764**	**86:0**
2180	**97**	**292**	**22:54:40.000**	**41VH3H**	**40T1P**		**2 PCT Heater 1 ON (primary relay)**	**1O0**	**4**	**0**	**4,180,765**	**10:0**
2181	**97**	**292**	**22:54:50.000**	**41VH3I**	**40T2**		**1 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,180,765**	**25:0**
2182	**97**	**292**	**22:55:00.000**	**41VH3J**	**40T2**		**2 PCT Heater 2 ON**	**1O0**	**4**	**0**	**4,180,765**	**40:0**
2183	97	292	23:02:46.666	20UV4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,180,773	12:0
2184	97	292	23:03:36.666	20UV4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,180,773	87:0
2185	97	292	23:05:40.666	176XH6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,180,776	00:0
2186	**97**	**292**	**23:05:44.399**	**10NNRCTRLT02-**		**-----STOP-------**		**1O0**	**4**	**0**	**:**	**:**
2187	97	292	23:43:42.666	488DY6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,180,813	56:0
2188	97	293	00:05:52.666	488DY6C	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,180,835	49:0
2189	97	293	00:11:09.333	488DY6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,180,840	69:0
2190	97	293	02:41:36.666	488DY6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,180,989	51:0
2191	97	293	02:49:50.666	488DZ6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,180,997	64:0
2192	97	293	02:52:16.666	488DZ6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,000	10:0
2193	97	293	02:53:56.666	488DZ6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,001	69:0
2194	97	293	03:42:39.333	488DZ6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,049	85:0
2195	97	293	04:48:04.000	488DZ6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,114	57:0
2196	97	293	08:53:00.666	488EA6A	6TMSED	NORM,AH8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,356	80:0
2197	97	293	08:56:10.000	176TK6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,181,360	00:0
2198	97	293	09:02:00.666	20UI4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,181,365	71:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2199	97	293	09:03:00.666	20UI4D	**7MODE**	**SPNL**	**AACS ALL-SPIN LOW**	1O0	4	0	4,181,366	70:0
2200	97	293	09:05:00.666	20UI4E	**7SAFE**	**UNSTOW**	**S/P TO 153 deg cone**	1O0	4	0	4,181,368	68:0
2201	97	293	09:10:30.666	20UI4G	7VENT	0.611,1.333,8	ALERT -- Thruster fire	1O0	4	0	4,181,374	17:0
2202	97	293	09:10:31.333	20UI4H	7VENT	0.611,10.989,8	ALERT -- Thruster fire	1O0	4	0	4,181,374	18:0
2203	97	293	09:10:51.333	20UI4I	7VENT	0.611,1.333,6	ALERT -- Thruster fire	1O0	4	0	4,181,374	48:0
2204	97	293	09:10:52.000	20UI4J	7VENT	0.611,10.989,6	ALERT -- Thruster fire	1O0	4	0	4,181,374	49:0
2205	97	293	09:11:12.000	20UI4K	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,181,374	79:0
2206	97	293	09:11:12.666	20UI4L	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,181,374	80:0
2207	97	293	09:11:22.666	20UI4M	7VENT	0.611,1.333,4	ALERT -- Thruster fire	1O0	4	0	4,181,375	04:0
2208	97	293	09:11:23.333	20UI4N	7VENT	0.611,0.666,5	ALERT -- Thruster fire	1O0	4	0	4,181,375	05:0
2209	97	293	09:11:33.333	20UI4O	7VENT	1.211,1.333,10	ALERT -- Thruster fire	1O0	4	0	4,181,375	20:0
2210	97	293	09:11:34.000	20UI4P	7VENT	1.211,0.666,12	ALERT -- Thruster fire	1O0	4	0	4,181,375	21:0
2211	97	293	09:13:20.666	20UI4S	7VENT	0.611,1.333,7	ALERT -- Thruster fire	1O0	4	0	4,181,376	90:0
2212	97	293	09:13:21.333	20UI4T	7VENT	0.611,10.989,7	ALERT -- Thruster fire	1O0	4	0	4,181,377	00:0
2213	97	293	09:13:41.333	20UI4U	7VENT	0.611,1.333,1	ALERT -- Thruster fire	1O0	4	0	4,181,377	30:0
2214	97	293	09:13:42.000	20UI4V	7VENT	0.611,10.989,1	ALERT -- Thruster fire	1O0	4	0	4,181,377	31:0
2215	97	293	09:14:02.000	20UI4AC	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,181,377	61:0
2216	97	293	09:14:02.666	20UI4AD	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,181,377	62:0
2217	97	293	09:14:12.666	20UI4AE	7VENT	0.611,1.333,2	ALERT -- Thruster fire	1O0	4	0	4,181,377	77:0
2218	97	293	09:14:13.333	20UI4AF	7VENT	0.611,0.666,3	ALERT -- Thruster fire	1O0	4	0	4,181,377	78:0
2219	97	293	09:14:23.333	20UI4W	7VENT	1.211,1.333,9	ALERT -- Thruster fire	1O0	4	0	4,181,378	02:0
2220	97	293	09:14:24.000	20UI4X	7VENT	1.211,0.666,11	ALERT -- Thruster fire	1O0	4	0	4,181,378	03:0
2221	97	293	09:15:20.666	20UI4Z	**7MODE**	**CRU**	**AACS CRUISE MODE**	1O0	4	0	4,181,378	88:0
2222	97	293	09:30:30.000	432OS431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	1O0	4	0	4,181,393	87:0
2223	97	293	09:30:30.666	432OS6A	6RTSL1		R/T Select of DDS and	1O0	4	0	4,181,393	88:0
2224	97	293	09:40:04.666	20UG4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,181,403	39:0
2225	97	293	09:40:54.666	20UG4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,181,404	23:0
2226	97	293	09:42:40.666	176TL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,181,406	00:0
2227	97	293	11:01:00.666	488EA6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,181,483	43:0
2228	97	293	12:38:56.666	488EA6C	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,181,580	30:0
2229	97	293	12:43:12.666	488EA6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,181,584	50:0
2230	97	293	13:57:52.666	488EA6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,181,658	36:0
2231	97	293	14:29:52.666	488EB6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,181,690	04:0
2232	97	293	15:36:00.666	488EB6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,181,755	41:0
2233	97	293	21:49:20.600	488EC6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,182,124	62:0
2234	97	293	22:27:44.600	488EC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,182,162	60:0
2235	97	293	23:43:55.266	176BK6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	1O0	4	0	4,182,238	00:0
2236	97	293	23:46:56.600	165BL4A	7SCAN	NORM,312.362,-20	Check S/P Position	1O0	4	0	4,182,240	90:0
2237	97	293	23:51:06.600	20UW4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	1O0	4	0	4,182,245	10:0
2238	97	293	23:51:56.600	20UW4B	7SLEW	DIS,POS,0.0	Stator movement	1O0	4	0	4,182,245	85:0
2239	97	293	23:53:01.266	176BL6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	1O0	4	0	4,182,247	00:0
2240	97	293	23:57:20.600	488EC6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,182,251	25:0
2241	97	294	02:39:28.600	488EC6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,182,411	57:0
2242	97	294	02:56:32.600	488EC6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,182,428	46:0
2243	97	294	04:28:43.266	488ED6A	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,182,519	61:0
2244	97	294	04:32:32.600	488ED6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,182,523	41:0
2245	97	294	04:34:12.600	488ED6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,182,525	09:0
2246	97	294	12:34:40.600	488EE6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,183,000	26:0
2247	97	294	12:38:56.600	488EE6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,183,004	46:0
2248	97	294	13:53:36.600	488EE6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,183,078	32:0
2249	97	294	14:23:28.600	488EE6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,183,107	81:0
2250	97	294	14:42:40.600	488EE6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,183,126	80:0
2251	97	294	15:56:07.266	488EF6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,183,199	47:0
2252	97	294	16:29:46.600	488EF6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,183,232	73:0
2253	97	294	17:16:16.600	488EF6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,183,278	72:0

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2254	97	294	19:58:24.600	488EF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,183,439:13:0	
2255	97	294	23:06:57.266	488EG6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,183,625:56:0	
2256	97	294	23:12:32.600	488EG6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,183,631:13:0	
2257	97	294	23:43:01.933	488EG6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,183,661:27:0	
2258	97	295	02:37:20.600	488EG6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,183,833:63:0	
2259	97	295	03:19:42.533	488EG6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,183,875:54:0	
2260	97	295	03:22:08.533	488EH6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,183,878:00:0	
2261	97	295	03:23:48.533	488EH6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,183,879:59:0	
2262	97	295	07:27:25.200	488EH6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,184,120:53:0	
2263	97	295	07:50:49.866	488EH6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,184,143:67:0	
2264	97	295	12:28:16.533	488EI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,184,418:12:0	
2265	97	295	12:34:40.533	488EI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,184,424:42:0	
2266	97	295	13:53:36.533	488EI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,184,502:48:0	
2267	97	295	14:19:12.533	488EI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,184,527:77:0	
2268	97	295	14:36:16.533	488EI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,184,544:66:0	
2269	97	295	15:27:28.533	488EJ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,184,595:33:0	
2270	97	295	21:38:40.533	488EK6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,184,962:44:0	
2271	97	295	22:17:04.533	488EK6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,185,000:42:0	
2272	97	295	23:57:20.533	488EK6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,185,099:57:0	
2273	97	296	03:22:35.200	488EK6D	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,185,302:56:0	
2274	97	296	03:26:24.533	488EK6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,185,306:36:0	
2275	97	296	03:28:04.533	488EL6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,185,308:04:0	
2276	97	296	12:24:00.466	488EM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,185,838:08:0	
2277	97	296	12:28:16.466	488EM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,185,842:28:0	
2278	97	296	13:49:20.466	488EM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,185,922:44:0	
2279	97	296	14:12:48.466	488EM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,185,945:63:0	
2280	97	296	14:17:29.800	488EM6E	6TMSED	FILL,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,185,950:30:0	
2281	97	296	14:23:28.466	488EN6A	6TMSED	FILL,AL2	Sci, Eng, and D/L Chan	1O0	4	0	4,185,956:22:0	
2282	97	296	14:38:24.466	488EN6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,185,971:01:0	
2283	97	296	15:38:52.466	488EN6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,186,030:74:0	
2284	97	296	21:34:24.466	488EO6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,186,382:40:0	
2285	97	296	21:51:59.133	488EO6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,186,399:75:0	
2286	97	296	22:02:08.466	488EO6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,186,409:79:0	
2287	97	296	22:53:50.466	488EO6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,186,461:00:0	
2288	97	296	23:50:56.466	488EO6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,186,517:43:0	
2289	97	297	02:30:56.466	488EP6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,186,675:65:0	
2290	97	297	02:39:10.466	488EP6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,186,683:78:0	
2291	97	297	02:41:36.466	488EP6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,186,686:24:0	
2292	97	297	02:43:16.466	488EP6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,186,687:83:0	
2293	97	297	12:17:36.466	488EQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,187,255:85:0	
2294	97	297	12:28:16.466	488EQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,187,266:44:0	
2295	97	297	13:42:56.466	488EQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,187,340:30:0	
2296	97	297	14:12:48.466	488EQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,187,369:79:0	
2297	97	297	14:34:08.466	488EQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,187,390:88:0	
2298	97	297	15:46:27.133	488ER6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,187,462:44:0	
2299	97	297	16:20:06.466	488ER6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,187,495:70:0	
2300	97	297	17:20:32.400	488ER6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,187,555:49:0	
2301	97	297	19:32:48.400	488ER6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,187,686:32:0	
2302	97	297	22:10:40.400	488ES6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,187,842:44:0	
2303	97	297	23:09:16.400	488ES6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,187,900:40:0	
2304	97	297	23:38:22.400	488ES6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,187,929:20:0	
2305	97	297	23:50:56.400	488ES6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,187,941:59:0	
2306	97	298	02:26:40.400	488ES6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,188,095:61:0	
2307	97	298	02:54:06.400	488ET6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,188,122:73:0	
2308	97	298	02:56:32.400	488ET6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,188,125:19:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2309	97	298	02:58:12.400	488ET6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,188,126:78:0	
2310	97	298	12:13:20.400	488EU6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,188,675:81:0	
2311	97	298	12:24:00.400	488EU6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,188,686:40:0	
2312	97	298	13:38:40.400	488EU6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,188,760:26:0	
2313	97	298	14:08:32.400	488EU6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,188,789:75:0	
2314	97	298	14:25:36.400	488EU6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,188,806:64:0	
2315	97	298	15:21:04.400	488EV6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,188,861:51:0	
2316	97	298	21:23:44.400	488EW6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,189,220:22:0	
2317	97	298	22:06:24.400	488EW6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,189,262:40:0	
2318	97	298	23:50:56.400	488EW6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,189,365:75:0	
2319	97	299	02:20:16.333	488EW6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,189,513:47:0	
2320	97	299	02:54:06.333	488EW6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,189,546:89:0	
2321	97	299	02:56:32.333	488EX6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,189,549:35:0	
2322	97	299	02:58:12.333	488EX6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,189,551:03:0	
2323	97	299	12:09:04.333	488EY6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,190,095:77:0	
2324	97	299	12:17:36.333	488EY6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,190,104:26:0	
2325	97	299	13:32:16.333	488EY6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,190,178:12:0	
2326	97	299	14:04:16.333	488EY6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,190,209:71:0	
2327	97	299	14:21:20.333	488EY6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,190,226:60:0	
2328	97	299	15:16:48.333	488EZ6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,190,281:47:0	
2329	97	299	21:17:20.333	488FA6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,190,638:08:0	
2330	97	299	22:51:43.000	488FA6B	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,190,731:39:0	
2331	97	299	23:16:48.333	488FA6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,190,756:22:0	
2332	97	299	23:22:37.666	488FA6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,190,762:00:0	
2333	97	300	02:16:00.333	488FA6E	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,190,933:43:0	
2334	97	300	03:53:50.333	488FB6A	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,191,030:21:0	
2335	97	300	03:56:16.333	488FB6B	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,191,032:58:0	
2336	97	300	03:57:56.333	488FB6C	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,191,034:26:0	
2337	97	300	07:07:59.000	488FB6D	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,191,222:22:0	
2338	97	300	07:31:24.266	488FB6E	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,191,245:37:0	
2339	97	300	12:17:36.266	488FC6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,191,528:42:0	
2340	97	300	13:28:00.266	488FC6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,191,598:08:0	
2341	97	300	13:57:52.266	488FC6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,191,627:57:0	
2342	97	300	14:14:56.266	488FC6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,191,644:46:0	
2343	97	300	15:16:48.266	488FC6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,191,705:63:0	
2344	97	300	21:13:04.266	488FD6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,192,058:04:0	
2345	97	300	22:00:00.266	488FD6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,192,104:42:0	
2346	97	300	23:46:40.266	488FD6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,192,209:87:0	
2347	97	301	02:16:00.266	488FD6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,192,357:59:0	
2348	97	301	02:47:42.266	488FD6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,192,389:00:0	
2349	97	301	02:50:08.266	488FE6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,192,391:37:0	
2350	97	301	02:51:48.266	488FE6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,192,393:05:0	
2351	97	301	12:13:20.266	488FF6A	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,192,948:38:0	
2352	97	301	13:23:44.266	488FF6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,193,018:04:0	
2353	97	301	13:57:52.266	488FF6C	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	1O0	4	0	4,193,051:73:0	
2354	97	301	14:14:56.266	488FF6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,193,068:62:0	
2355	97	301	15:10:24.200	488FF6E	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,193,123:49:0	
2356	97	301	21:08:48.200	488FG6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	1O0	4	0	4,193,478:00:0	
2357	97	301	21:55:44.200	488FG6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,193,524:38:0	
2358	97	301	23:46:40.200	488FG6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,193,634:12:0	
2359	97	302	02:07:28.200	488FG6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	1O0	4	0	4,193,773:35:0	
2360	97	302	02:50:08.200	488FG6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	1O0	4	0	4,193,815:53:0	
2361	97	302	04:00:32.200	488FH6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,193,885:19:0	
2362	97	302	04:42:54.200	488FH6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,193,927:10:0	
2363	97	302	04:45:20.200	488FH6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,193,929:47:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2364	97	302	04:47:00.200	488FH6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	1O0	4	0	4,193,931:15:0	
2365	97	302	11:52:00.200	488FI6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	1O0	4	0	4,194,351:45:0	
2366	**97**	**302**	**11:54:27.533**	**125DN4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**160**	**4**	**0**	**4,194,353:84:0**	
2367	97	302	11:54:27.533	125DN	NIMSINIT	GS	##### GROUP START INIT	160	4	0	4,194,353:84:0	
2368	**97**	**302**	**11:54:37.933**	**10NNOPCAL_01-**		**-----START------**		**160**	**4**	**0**	**: :**	
2369	**97**	**302**	**11:55:28.200**	**125DN4B**	**37IST**	**1,2,0,OFF,0,0,0**	**Chopper ON, Sync, Chopper (Ref)**	**1R0**	**4**	**0**	**4,194,354:84:0**	
2370	97	302	11:55:28.200	125DN11A	NIMSINIT	GE	##### GROUP END INIT	1R0	4	0	4,194,354:84:0	
2371	**97**	**302**	**11:59:30.866**	**125LW4A**	**37IST**	**0,0,0,OFF,0,1,1**	**Gain State 4**	**4R0**	**4**	**0**	**4,194,358:84:0**	
2372	97	302	11:59:30.866	125LW	NIMSINIT	GS	##### GROUP START INIT	4R0	4	0	4,194,358:84:0	
2373	97	302	12:00:31.533	125LW11A	NIMSINIT	GE	##### GROUP END INIT	4R0	4	0	4,194,359:84:0	
2374	**97**	**302**	**12:00:31.533**	**125LW4B**	**37MB**	**1B,1B,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R0**	**4**	**0**	**4,194,359:84:0**	
2375	97	302	12:03:33.533	127LW	NIMSTAB	GS	%%%%% GROUP START TAB	4R0	4	0	4,194,362:84:0	
2376	**97**	**302**	**12:03:33.533**	**127LW4A**	**37IOP**	**3,0**	**Long Map, Grating Start Position =00**	**4R3**	**4**	**0**	**4,194,362:84:0**	
2377	**97**	**302**	**12:03:34.200**	**127LW4B**	**37ETB**	**07,C7,31,87,00,0**	**Loads wavelength edit table**	**4R3**	**4**	**0**	**4,194,362:85:0**	
2378	97	302	12:03:44.200	127LW11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R3	4	0	4,194,363:09:0	
2379	**97**	**302**	**12:04:58.866**	**432DA6A**	**6RTSL2**	**NIMSEL,AACNCG,RT**	**NIMS R/T SELECT**	**4R3**	**4**	**0**	**4,194,364:30:0**	
2380	97	302	12:05:34.866	125DI	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,194,364:84:0	
2381	97	302	12:05:34.866	125DI11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,194,364:84:0	
2382	**97**	**302**	**12:05:34.866**	**125DI4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,194,364:84:0**	
2383	97	302	12:06:56.200	488FI6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4R3	4	0	4,194,366:24:0	
2384	**97**	**302**	**12:07:36.200**	**125DC4A**	**37IST**	**0,2,1,OFF,1,0,1**	**OPCAL**	**4R3**	**4**	**0**	**4,194,366:84:0**	
2385	97	302	12:07:36.200	125DC	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,194,366:84:0	
2386	97	302	12:07:36.200	125DC11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,194,366:84:0	
2387	**97**	**302**	**12:07:59.533**	**432EY6A**	**6RTDS2**	**NIMDSL,AACNCG,RT**	**NIMS R/T DESELECT**	**4R3**	**4**	**0**	**4,194,367:28:0**	
2388	**97**	**302**	**12:08:36.866**	**125EU4A**	**37MB**	**0,0,0,0,0,0**	**Selects mirror (spatial) edit table**	**4R3**	**4**	**0**	**4,194,367:84:0**	
2389	97	302	12:08:36.866	125EU	NIMSINIT	GS	##### GROUP START INIT	4R3	4	0	4,194,367:84:0	
2390	97	302	12:08:36.866	125EU11A	NIMSINIT	GE	##### GROUP END INIT	4R3	4	0	4,194,367:84:0	
2391	97	302	12:09:37.533	127LY	NIMSTAB	GS	%%%%% GROUP START TAB	4R3	4	0	4,194,368:84:0	
2392	**97**	**302**	**12:09:37.533**	**127LY4A**	**37IOP**	**0,0**	**Safe, Grating Start Position =00**	**4R0**	**4**	**0**	**4,194,368:84:0**	
2393	**97**	**302**	**12:09:38.200**	**127LY4B**	**37ETB**	**04,C4,02,00,00**	**Loads wavelength edit table**	**4R0**	**4**	**0**	**4,194,368:85:0**	
2394	97	302	12:09:48.200	127LY11A	NIMSTAB	GE	%%%%% GROUP END TAB	4R0	4	0	4,194,369:09:0	
2395	**97**	**302**	**12:10:38.200**	**125FZ4A**	**37IST**	**1,0,0,OFF,0,0,0**	**Chopper ON, Sync, 63Hz (Ref)**	**460**	**4**	**0**	**4,194,369:84:0**	
2396	97	302	12:10:38.200	125FZ	NIMSINIT	GS	##### GROUP START INIT	460	4	0	4,194,369:84:0	
2397	97	302	12:11:38.866	125FZ11A	NIMSINIT	GE	##### GROUP END INIT	460	4	0	4,194,370:84:0	
2398	**97**	**302**	**12:11:38.866**	**125FZ4B**	**37IST**	**1,1,0,OFF,0,0,0**	**Chopper OFF, N/A, 63Hz (Ref)**	**4O0**	**4**	**0**	**4,194,370:84:0**	
2399	**97**	**302**	**12:12:49.933**	**10NNOPCAL_01-**		**-----STOP-------**		**4O0**	**4**	**0**	**: :**	
2400	97	302	13:23:44.200	488FI6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,194,442:20:0	
2401	97	302	13:53:36.200	488FI6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,194,471:69:0	
2402	97	302	14:14:56.200	488FI6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,194,492:78:0	
2403	97	302	15:27:00.200	488FJ6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,194,564:12:0	
2404	97	302	16:00:39.533	488FJ6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,194,597:38:0	
2405	97	302	16:30:00.200	418JB6B	6BUFHI		4 MUB Buffer high water	4O0	4	0	4,194,626:40:0	
2406	97	302	16:30:00.200	418JB6A	6BUFLO		2 MUB Buffer low water m	4O0	4	0	4,194,626:40:0	
2407	97	302	17:39:44.200	488FJ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,194,695:37:0	
2408	97	302	18:18:00.200	488FJ6D	6TMSED	NORM,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,194,733:23:0	
2409	97	302	18:22:48.200	176AA6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,194,738:00:0	
2410	97	302	18:33:04.200	488FJ6E	6TMSED	NORM,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,194,748:14:0	
2411	97	302	21:31:19.466	488FK6A	6TMSED	FILL,AH4	Sci, Eng, and D/L Chan	4O0	4	0	4,194,924:41:0	
2412	97	302	21:40:48.133	488FK6B	6TMSED	FILL,AH5	Sci, Eng, and D/L Chan	4O0	4	0	4,194,933:75:0	
2413	97	302	23:25:04.133	20AA4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,195,036:86:0	
2414	97	302	23:25:54.133	20AA4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,195,037:70:0	
2415	97	302	23:27:00.133	488FK6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,195,038:78:0	
2416	97	302	23:27:08.800	176AB6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,195,039:00:0	
2417	97	302	23:32:59.466	432WB431A6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,195,044:71:0	
2418	97	302	23:33:00.133	432WB6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,195,044:72:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2419	97	303	02:08:10.800	488FK6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,195,198:24:0	
2420	97	303	02:30:00.133	418JC6A	6BUFLO	2	MUB Buffer low water m	4O0	4	0	4,195,219:77:0	
2421	97	303	02:30:00.133	418JC6B	6BUFHI	10	MUB Buffer high water	4O0	4	0	4,195,219:77:0	
2422	97	303	02:45:52.133	488FK6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,195,235:49:0	
2423	97	303	03:56:16.133	488FL6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,195,305:15:0	
2424	97	303	04:42:54.133	488FL6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,195,351:26:0	
2425	97	303	04:45:20.133	488FL6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,195,353:63:0	
2426	97	303	04:47:00.133	488FL6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,195,355:31:0	
2427	97	303	11:47:44.133	488FM6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,195,771:41:0	
2428	97	303	12:06:56.133	488FM6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,195,790:40:0	
2429	97	303	13:17:20.133	488FM6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,195,860:06:0	
2430	97	303	13:47:12.133	488FM6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,195,889:55:0	
2431	97	303	14:06:24.133	488FM6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,195,908:54:0	
2432	97	303	15:06:08.133	488FN6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,195,967:61:0	
2433	97	303	21:02:24.133	488FN6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,196,320:02:0	
2434	97	303	22:37:09.466	488FO6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,196,413:67:0	
2435	97	303	23:01:52.133	488FO6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,196,438:16:0	
2436	97	303	23:07:56.133	488FO6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,196,444:16:0	
2437	97	304	02:05:20.133	488FO6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,196,619:57:0	
2438	97	304	03:06:21.466	431ZL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,196,679:89:0	
2439	97	304	03:10:31.466	20ZM6A	6EUVON			4O0	4	0	4,196,684:09:0	
2440	97	304	03:11:26.133	431ZM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,196,685:00:0	
2441	97	304	03:47:25.466	488FO6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,196,720:54:0	
2442	97	304	03:49:52.133	488FP6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,196,723:01:0	
2443	97	304	03:51:32.133	488FP6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,196,724:60:0	
2444	97	304	06:53:25.400	488FP6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,196,904:50:0	
2445	97	304	07:16:50.066	488FP6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,196,927:64:0	
2446	97	304	11:37:04.066	488FQ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,197,185:07:0	
2447	97	304	12:02:40.066	488FQ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,197,210:36:0	
2448	97	304	13:13:04.066	488FQ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,197,280:02:0	
2449	97	304	13:17:05.400	176BO6A	6TMREC	**PPB**	PAUSE PLAYBACK (PB CONTROL) Record Mode C	4O0	4	0	4,197,284:00:0	
2450	97	304	13:20:06.733	165BN4A	7SCAN	NORM,218.969,-22	Check S/P Position	4O0	4	0	4,197,286:90:0	
2451	97	304	13:42:56.066	488FQ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,197,309:51:0	
2452	97	304	14:00:00.066	481UB4A	7VECT		Inert vect update UTC	4O0	4	0	4,197,326:40:0	
2453	97	304	14:10:40.066	488FQ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,197,336:90:0	
2454	97	304	15:22:13.400	488FR6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,197,407:69:0	
2455	97	304	15:55:52.733	488FR6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,197,441:04:0	
2456	97	304	16:53:39.400	20UY4A	**7SAFE**	**STOP**	**S/P NO MOVEMENT**	4O0	4	0	4,197,498:17:0	
2457	97	304	16:54:29.400	20UY4B	7SLEW	DIS,POS,0.0	Stator movement	4O0	4	0	4,197,499:01:0	
2458	97	304	16:56:30.066	176BP6A	6TMREC	**RPB**	RESUME PLAYBACK (PB CONTROL) Record Mode	4O0	4	0	4,197,501:00:0	
2459	97	304	20:51:07.400	488FR6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,197,733:04:0	
2460	97	304	22:40:54.733	488FS6A	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,197,841:57:0	
2461	97	304	22:51:12.066	488FS6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,197,851:73:0	
2462	97	304	23:35:01.400	488FS6C	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,197,895:13:0	
2463	97	305	00:04:07.400	488FS6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,197,923:84:0	
2464	97	305	02:56:32.066	488FS6E	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,198,094:40:0	
2465	97	305	03:45:36.066	488FT6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,198,142:88:0	
2466	97	305	04:42:54.066	488FT6B	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,198,199:58:0	
2467	97	305	04:45:20.066	488FT6C	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,198,202:04:0	
2468	97	305	04:47:00.066	488FT6D	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,198,203:63:0	
2469	97	305	06:48:31.400	488FT6E	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,198,323:80:0	
2470	97	305	07:11:56.066	488FU6A	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,198,347:03:0	
2471	97	305	07:19:58.066	431YL6A	6RCDSL	DDSNCG,PLSNCG,EP	Record Deselect (DDS o	4O0	4	0	4,198,354:89:0	
2472	97	305	07:23:10.066	20YC6A	6HICON			4O0	4	0	4,198,358:13:0	
2473	97	305	07:24:02.066	431YM6A	6RCSEL	DDSNCG,PLSNCG,EP	Record Select (DDS onl	4O0	4	0	4,198,359:00:0	

Line	YR	DOY	SCET - GMT	PSID	Command	Parameters	Description	GCM	GO	GS	RIM	MF I
2474	97	305	07:35:00.066	20OA6A	6HICON			4O0	4	0	4,198,369:77:0	
2475	97	305	07:40:00.066	432OG6A	6RTSL1		R/T Select of DDS and	4O0	4	0	4,198,374:72:0	
2476	97	305	11:32:48.000	488FU6B	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,198,605:03:0	
2477	97	305	11:58:24.000	488FU6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,198,630:32:0	
2478	97	305	13:06:40.000	488FU6D	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,198,697:79:0	
2479	97	305	13:42:56.000	488FV6A	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,198,733:67:0	
2480	97	305	14:06:24.000	488FV6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,198,756:86:0	
2481	97	305	15:17:19.333	488FV6C	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,198,827:08:0	
2482	97	305	15:50:58.666	488FV6D	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,198,860:34:0	
2483	97	305	21:45:04.000	488FW6A	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,199,210:52:0	
2484	97	305	22:40:07.333	488FW6B	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,199,265:02:0	
2485	97	305	23:09:13.333	488FW6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,199,293:73:0	
2486	97	305	23:44:32.000	488FW6D	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,199,328:66:0	
2487	97	306	01:49:46.666	488FW6E	6TMSED	FILL,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,199,452:54:0	
2488	97	306	01:52:32.000	488FX6A	6TMSED	FILL,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,199,455:29:0	
2489	97	306	01:57:51.333	488FX6B	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,199,460:53:0	
2490	97	306	02:39:28.000	488FX6C	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,199,501:67:0	
2491	97	306	03:45:36.000	488FX6D	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,199,567:13:0	
2492	97	306	04:53:34.000	488FX6E	6TMSED	FILL,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,199,634:33:0	
2493	97	306	04:56:00.000	488FY6A	6TMSED	FILL,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,199,636:70:0	
2494	97	306	04:57:40.000	488FY6B	6TMSED	NORM,AL8	Sci, Eng, and D/L Chan	4O0	4	0	4,199,638:38:0	
2495	97	306	11:22:08.000	488FZ6A	6TMSED	NORM,AL7	Sci, Eng, and D/L Chan	4O0	4	0	4,200,018:60:0	
2496	97	306	11:52:00.000	488FZ6B	6TMSED	NORM,AL6	Sci, Eng, and D/L Chan	4O0	4	0	4,200,048:18:0	
2497	97	306	13:02:24.000	488FZ6C	6TMSED	NORM,AL5	Sci, Eng, and D/L Chan	4O0	4	0	4,200,117:75:0	
2498	97	306	13:36:32.000	488FZ6D	6TMSED	NORM,AL3	Sci, Eng, and D/L Chan	4O0	4	0	4,200,151:53:0	
2499	97	306	14:00:00.000	488FZ6E	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,200,174:72:0	
2500	97	306	15:12:25.333	488GA6A	6TMSED	FILL,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,200,246:38:0	
2501	97	306	15:46:04.666	488GA6B	6TMSED	NORM,AL4	Sci, Eng, and D/L Chan	4O0	4	0	4,200,279:64:0	
2502	97	306	15:54:28.000	176TM6A	6TMREC	**TPB**	TERMINATE PLAYBACK (PB CONTROL) Record Mo	4O0	4	0	4,200,288:00:0	
2503	**97**	**306**	**16:00:00.000**	**20A3FE**	**40T1P**	**Final Condition**	**PCT Heater 1 ON (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2504	**97**	**306**	**16:00:00.000**	**20A3FF**	**40T2**	**Final Condition**	**PCT Heater 2 ON**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2505	**97**	**306**	**16:00:00.000**	**20A3EW**	**37A**	**Final Condition**	**NIMS Power ON**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2506	**97**	**306**	**16:00:00.000**	**20A3EX**	**37HR**	**Final Condition**	**Replacement Heaters OFF**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2507	**97**	**306**	**16:00:00.000**	**20A3EY**	**37C1PR**	**Final Condition**	**Optics Heater 1 OFF (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2508	**97**	**306**	**16:00:00.000**	**20A3EZ**	**37C2PR**	**Final Condition**	**Optics Heater 2 OFF (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2509	**97**	**306**	**16:00:00.000**	**20A3FA**	**37F1PR**	**Final Condition**	**Radiator Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2510	**97**	**306**	**16:00:00.000**	**20A3FB**	**37F2PR**	**Final Condition**	**Shield Flash Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2511	**97**	**306**	**16:00:00.000**	**20A3FD**	**40HRPR**	**Final Condition**	**RCT Heater OFF (primary relay)**	**4O0**	**4**	**0**	**4,200,293:43:0**	
2512	97	306	16:00:00.000		DMS:	: READY	RDY, TRACK 1, FWD, TIC 202.12 +/-	4O0	4	0	4,200,293:43:0	

10CNGLOBAL01

OAPEL: 10CNGLOBAL01 ALIAS: 10CNGLOBAL01
EXT: A PSID: DA
SCLK1: 04133455:00:0 SCLK2: 04133479:26:0
SCET1: 97-259/17:38:55.066 SCET2: 97-259/18:03:28.400
TARGET: CALLISTO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10CNCALLRT02

OAPEL: 10CNCALLRT02 ALIAS: 10CNCALLRT02
EXT: R PSID: KH
SCLK1: 04133492:00:0 SCLK2: 04133495:12:0
SCET1: 1997-259/18:16:19.733 SCET2: 1997-259/18:19:29.733
TARGET: CALLISTO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10CNCALLRT01

```
OAPEL:  10CNCALLRT01            ALIAS:  10CNCALLRT01
EXT:    R                       PSID:   KG
SCLK1:  04133635:00:0           SCLK2:  04133635:12:0
SCET1:  1997-259/20:40:55.066   SCET2:  1997-259/20:41:03.066
TARGET: CALLISTO                PARTITION: 1

MODE:       3                   GAIN:       4
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 124         PTAB_B:     1 1 0 0 124
ECAL:       0                   OPCAL:      0
R/T:        1                   RECORD:     0

MB_DOWN:    11011               MB_UP:      11011
COMP_FLAG:  0
EST_COMP:   0.0                 EST_COMPV:  0.0
RATE_CON1:  00000               RATE_CON2:  00000
NWAVETOT:   408                 TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302408000          03  02  408  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10CNASGARD01

```
OAPEL:  10CNASGARD01              ALIAS:  10CNASGARD01
EXT:    A                         PSID:   DB
SCLK1:  04133832:00:0             SCLK2:  04133840:80:0
SCET1:    97-260/00:00:06.400     SCET2:    97-260/00:09:05.066
TARGET: CALLISTO                  PARTITION: 1

MODE:       1                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 212           PTAB_B:     1 1 0 0 212
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   180                   TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0113180001          01  13  180  001
WTGRP_SIZ:  13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	00000	0,0000,0000,0000,0000

10CNBRTLMB01

```
OAPEL:  10CNBRTLMB01            ALIAS:  10CUBRTLMB02
EXT:    A                       PSID:   CF
SCLK1:  04133853:06:0           SCLK2:  04133859:00:0
SCET1:    97-260/00:21:24.400   SCET2:    97-260/00:27:24.400
TARGET: CALLISTO                PARTITION: 1

MODE:       1                   GAIN:       4
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 212         PTAB_B:     1 1 0 0 212
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    24                 TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0113024001          01  13  024  001
WTGRP_SIZ:  13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00108	0,0000,0001,0000,1000
1	00108	0,0000,0001,0000,1000
2	00108	0,0000,0001,0000,1000
3	00108	0,0000,0001,0000,1000
4	00108	0,0000,0001,0000,1000
5	00108	0,0000,0001,0000,1000
6	00108	0,0000,0001,0000,1000
7	00108	0,0000,0001,0000,1000
8	00108	0,0000,0001,0000,1000
9	00108	0,0000,0001,0000,1000
10	00108	0,0000,0001,0000,1000
11	00108	0,0000,0001,0000,1000
12	00000	0,0000,0000,0000,0000

10CNPALIMP01

```
OAPEL:  10CNPALIMP01              ALIAS:  10CNPALIMP01
EXT:    C                         PSID:   DC
SCLK1:  04133861:00:0             SCLK2:  04133865:87:0
SCET1:    97-260/00:29:25.733     SCET2:    97-260/00:34:26.400
TARGET: CALLISTO                  PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   360                   TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0326360001          03  26  360  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	1BDFF	1,1011,1101,1111,1111
13	1BDFF	1,1011,1101,1111,1111
14	1BDFF	1,1011,1101,1111,1111
15	1BDFF	1,1011,1101,1111,1111
16	1BDFF	1,1011,1101,1111,1111
17	1BDFF	1,1011,1101,1111,1111
18	1BDFF	1,1011,1101,1111,1111
19	1BDFF	1,1011,1101,1111,1111
20	1BDFF	1,1011,1101,1111,1111
21	1BDFF	1,1011,1101,1111,1111
22	1BDFF	1,1011,1101,1111,1111
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10CNSMTHPL01

```
OAPEL:  10CNSMTHPL01              ALIAS:  10CNSMTHPL01
EXT:    A                         PSID:   DD
SCLK1:  04133869:00:0             SCLK2:  04133879:82:0
SCET1:    97-260/00:37:31.066     SCET2:    97-260/00:48:33.066
TARGET: CALLISTO                  PARTITION: 1

MODE:       1                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 212           PTAB_B:     1 1 0 0 212
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   180                   TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0113180001          01  13  180  001
WTGRP_SIZ:  13
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	00000	0,0000,0000,0000,0000

10CNVALHAL01

OAPEL: 10CNVALHAL01 ALIAS: 10CNVALHAL01
EXT: A PSID: DE
SCLK1: 04133885:00:0 SCLK2: 04133893:81:0
SCET1: 97-260/00:53:41.733 SCET2: 97-260/01:02:41.066
TARGET: CALLISTO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10CNCATENA01

OAPEL: 10CNCATENA01 ALIAS: 10CNCATENA01
EXT: A PSID: DF
SCLK1: 04133920:00:0 SCLK2: 04133942:32:0
SCET1: 97-260/01:29:05.066 SCET2: 97-260/01:51:41.733
TARGET: CALLISTO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10ENEUR15_01

OAPEL: 10ENEUR15_01 ALIAS: 10ENEUR15_01
EXT: R PSID: FZ
SCLK1: 04134210:00:0 SCLK2: 04134225:12:0
SCET1: 1997-260/06:22:18.333 SCET2: 1997-260/06:37:36.333
TARGET: EUROPA PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 102 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0304102000 03 04 102 000
WTGRP_SIZ: 4

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	00000	0,0000,0000,0000,0000
2	00003	0,0000,0000,0000,0011
3	00000	0,0000,0000,0000,0000
4	1BDFF	1,1011,1101,1111,1111
5	00000	0,0000,0000,0000,0000
6	00003	0,0000,0000,0000,0011
7	00000	0,0000,0000,0000,0000
8	1BDFF	1,1011,1101,1111,1111
9	00000	0,0000,0000,0000,0000
10	00003	0,0000,0000,0000,0011
11	00000	0,0000,0000,0000,0000
12	1BDFF	1,1011,1101,1111,1111
13	00000	0,0000,0000,0000,0000
14	00003	0,0000,0000,0000,0011
15	00000	0,0000,0000,0000,0000
16	1BDFF	1,1011,1101,1111,1111
17	00000	0,0000,0000,0000,0000
18	00003	0,0000,0000,0000,0011
19	00000	0,0000,0000,0000,0000
20	1BDFF	1,1011,1101,1111,1111
21	00000	0,0000,0000,0000,0000
22	00003	0,0000,0000,0000,0011
23	00000	0,0000,0000,0000,0000
24	1BDFF	1,1011,1101,1111,1111
25	00000	0,0000,0000,0000,0000

10CNGLOBAL02

```
OAPEL:  10CNGLOBAL02              ALIAS:  10CNGLOBAL02
EXT:    A                         PSID:   DG
SCLK1:  04134235:00:0             SCLK2:  04134260:02:0
SCET1:    97-260/06:47:35.000     SCET2:    97-260/07:12:53.666
TARGET: CALLISTO                  PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   228                   TLMFMT:     LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:     0326228001          03  26  228  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	000F0	0,0000,0000,1111,0000
1	1BDFF	1,1011,1101,1111,1111
2	000F0	0,0000,0000,1111,0000
3	1BDFF	1,1011,1101,1111,1111
4	000F0	0,0000,0000,1111,0000
5	1BDFF	1,1011,1101,1111,1111
6	000F0	0,0000,0000,1111,0000
7	1BDFF	1,1011,1101,1111,1111
8	000F0	0,0000,0000,1111,0000
9	1BDFF	1,1011,1101,1111,1111
10	000F0	0,0000,0000,1111,0000
11	1BDFF	1,1011,1101,1111,1111
12	000F0	0,0000,0000,1111,0000
13	1BDFF	1,1011,1101,1111,1111
14	000F0	0,0000,0000,1111,0000
15	1BDFF	1,1011,1101,1111,1111
16	000F0	0,0000,0000,1111,0000
17	1BDFF	1,1011,1101,1111,1111
18	000F0	0,0000,0000,1111,0000
19	1BDFF	1,1011,1101,1111,1111
20	000F0	0,0000,0000,1111,0000
21	1BDFF	1,1011,1101,1111,1111
22	000F0	0,0000,0000,1111,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INCHEMIS01

OAPEL: 10INCHEMIS01 ALIAS: 10INCHEMIS01
EXT: A PSID: DJ
SCLK1: 04135721:00:0 SCLK2: 04135723:73:0
SCET1: 97-261/07:50:05.666 SCET2: 97-261/07:52:55.666
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INCHEMIS08

OAPEL: 10INCHEMIS08 ALIAS: 10INCHEMIS08
EXT: A PSID: DK
SCLK1: 04135729:00:0 SCLK2: 04135730:32:0
SCET1: 97-261/07:58:11.000 SCET2: 97-261/07:59:33.666
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNNPOLEM06

```
OAPEL:  10JNNPOLEM06              ALIAS:  10JNNPOLEM06
EXT:    A                         PSID:   DL
SCLK1:  04135756:00:0             SCLK2:  04135769:36:0
SCET1:    97-261/08:25:29.000     SCET2:    97-261/08:39:02.333
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:     4                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNSPOLEM08

```
OAPEL:  10JNSPOLEM08              ALIAS:  10JNSPOLEM08
EXT:    A                         PSID:   DM
SCLK1:  04135822:00:0             SCLK2:  04135833:29:0
SCET1:    97-261/09:32:13.000     SCET2:    97-261/09:43:39.666
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:     4                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNNPOLEM01

```
OAPEL:  10JNNPOLEM01              ALIAS:  10JNNPOLEM01
EXT:    A                         PSID:   DN
SCLK1:  04135838:00:0             SCLK2:  04135851:36:0
SCET1:    97-261/09:48:23.666     SCET2:    97-261/10:01:57.000
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:     4                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNSPOLEM01

```
OAPEL:  10JNSPOLEM01            ALIAS:  10JNSPOLEM01
EXT:    A                       PSID:   DO
SCLK1:  04135877:00:0           SCLK2:  04135890:36:0
SCET1:    97-261/10:27:49.666   SCET2:    97-261/10:41:23.000
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNNPOLEM02

```
OAPEL:  10JNNPOLEM02              ALIAS:  10JNNPOLEM02
EXT:    A                         PSID:   DP
SCLK1:  04135912:00:0             SCLK2:  04135925:36:0
SCET1:    97-261/11:03:13.000     SCET2:    97-261/11:16:46.333
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:     4                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNSPOLEM02

```
OAPEL:  10JNSPOLEM02              ALIAS:  10JNSPOLEM02
EXT:    A                         PSID:   DQ
SCLK1:  04135951:00:0             SCLK2:  04135964:36:0
SCET1:    97-261/11:42:39.000     SCET2:    97-261/11:56:12.333
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFEA04101

```
OAPEL:  10JNFEA04101            ALIAS:  10JNFEA04101
EXT:    A                       PSID:   DR
SCLK1:  04135976:00:0           SCLK2:  04135979:47:0
SCET1:    97-261/12:07:55.666   SCET2:    97-261/12:11:29.000
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:     4                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNNPOLEM03

```
OAPEL:  10JNNPOLEM03              ALIAS:  10JNNPOLEM03
EXT:    A                         PSID:   DS
SCLK1:  04135986:00:0             SCLK2:  04135997:36:0
SCET1:    97-261/12:18:02.333     SCET2:    97-261/12:29:34.266
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10NNHEALTH01

```
OAPEL:  10NNHEALTH01            ALIAS:  10NNHEALTH01
EXT:    R                       PSID:   KA
SCLK1:  04136003:00:0           SCLK2:  04136003:12:0
SCET1:  1997-261/12:35:13.600   SCET2:  1997-261/12:35:21.600
TARGET: CAL                     PARTITION: 1

MODE:       3                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 124         PTAB_B:     1 1 0 0 124
ECAL:       0                   OPCAL:      0
R/T:        1                   RECORD:     0

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  0
EST_COMP:   0.0                 EST_COMPV:  0.0
RATE_CON1:  00000               RATE_CON2:  00000
NWAVETOT:   003                 TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNSPOLEM03

```
OAPEL:  10JNSPOLEM03              ALIAS:  10JNSPOLEM03
EXT:    A                         PSID:   DU
SCLK1:  04136007:00:0             SCLK2:  04136020:36:0
SCET1:    97-261/12:39:16.266     SCET2:    97-261/12:52:49.600
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:     4                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507004001          05  07  004  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	01900	0,0001,1001,0000,0000
2	10000	1,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000

10JNNPAURD01

OAPEL: 10JNNPAURD01 ALIAS: 10JNNPAURD01
EXT: A PSID: DV
SCLK1: 04136026:00:0 SCLK2: 04136054:63:0
SCET1: 97-261/12:58:28.933 SCET2: 97-261/13:27:29.600
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 40 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326040001 03 26 040 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00420	0,0000,0100,0010,0000
1	00420	0,0000,0100,0010,0000
2	00420	0,0000,0100,0010,0000
3	00420	0,0000,0100,0010,0000
4	00400	0,0000,0100,0000,0000
5	00400	0,0000,0100,0000,0000
6	00400	0,0000,0100,0000,0000
7	00000	0,0000,0000,0000,0000
8	00040	0,0000,0000,0100,0000
9	00040	0,0000,0000,0100,0000
10	00040	0,0000,0000,0100,0000
11	00840	0,0000,1000,0100,0000
12	00840	0,0000,1000,0100,0000
13	00840	0,0000,1000,0100,0000
14	00840	0,0000,1000,0100,0000
15	00840	0,0000,1000,0100,0000
16	00840	0,0000,1000,0100,0000
17	00840	0,0000,1000,0100,0000
18	00840	0,0000,1000,0100,0000
19	00840	0,0000,1000,0100,0000
20	00840	0,0000,1000,0100,0000
21	00840	0,0000,1000,0100,0000
22	00840	0,0000,1000,0100,0000
23	00840	0,0000,1000,0100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFNP04101

```
OAPEL:  10JNFNP04101            ALIAS:  10JNFNP04101
EXT:    A                       PSID:   DW
SCLK1:  04136075:24:0           SCLK2:  04136088:36:0
SCET1:    97-261/13:48:18.266   SCET2:    97-261/14:01:34.933
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNSPAURD01

OAPEL: 10JNSPAURD01 ALIAS: 10JNSPAURD01
EXT: A PSID: DX
SCLK1: 04136090:00:0 SCLK2: 04136113:76:0
SCET1: 97-261/14:03:11.600 SCET2: 97-261/14:27:18.266
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 40 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326040001 03 26 040 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00420	0,0000,0100,0010,0000
1	00420	0,0000,0100,0010,0000
2	00420	0,0000,0100,0010,0000
3	00420	0,0000,0100,0010,0000
4	00400	0,0000,0100,0000,0000
5	00400	0,0000,0100,0000,0000
6	00400	0,0000,0100,0000,0000
7	00000	0,0000,0000,0000,0000
8	00040	0,0000,0000,0100,0000
9	00040	0,0000,0000,0100,0000
10	00040	0,0000,0000,0100,0000
11	00840	0,0000,1000,0100,0000
12	00840	0,0000,1000,0100,0000
13	00840	0,0000,1000,0100,0000
14	00840	0,0000,1000,0100,0000
15	00840	0,0000,1000,0100,0000
16	00840	0,0000,1000,0100,0000
17	00840	0,0000,1000,0100,0000
18	00840	0,0000,1000,0100,0000
19	00840	0,0000,1000,0100,0000
20	00840	0,0000,1000,0100,0000
21	00840	0,0000,1000,0100,0000
22	00840	0,0000,1000,0100,0000
23	00840	0,0000,1000,0100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNSPOLEM04

```
OAPEL:  10JNSPOLEM04              ALIAS:  10JNSPOLEM04
EXT:    A                         PSID:   DY
SCLK1:  04136120:00:0             SCLK2:  04136133:36:0
SCET1:    97-261/14:33:31.600     SCET2:    97-261/14:47:04.933
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFNP04102

```
OAPEL:  10JNFNP04102            ALIAS:  10JNFNP04102
EXT:    A                       PSID:   EA
SCLK1:  04136137:00:0           SCLK2:  04136148:36:0
SCET1:    97-261/14:50:42.933   SCET2:    97-261/15:02:14.933
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNRTHOTS01

OAPEL: 10JNRTHOTS01 ALIAS: 10JNRTHOTS01
EXT: R PSID: KJ
SCLK1: 04136168:00:0 SCLK2: 04136168:12:0
SCET1: 1997-261/15:22:03.600 SCET2: 1997-261/15:22:11.600
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNSPOLEM05

```
OAPEL:  10JNSPOLEM05              ALIAS:  10JNSPOLEM05
EXT:    A                         PSID:   EC
SCLK1:  04136174:00:0             SCLK2:  04136187:36:0
SCET1:    97-261/15:28:07.600     SCET2:    97-261/15:41:40.933
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNNPOLEM04

```
OAPEL:  10JNNPOLEM04              ALIAS:  10JNNPOLEM04
EXT:    A                         PSID:   ED
SCLK1:  04136208:00:0             SCLK2:  04136221:36:0
SCET1:    97-261/16:02:30.266     SCET2:    97-261/16:16:03.600
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNSPOLEM06

```
OAPEL:  10JNSPOLEM06              ALIAS:  10JNSPOLEM06
EXT:    A                         PSID:   EG
SCLK1:  04136248:00:0             SCLK2:  04136261:37:0
SCET1:    97-261/16:42:56.933     SCET2:    97-261/16:56:30.266
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNNPOLEM05

```
OAPEL:  10JNNPOLEM05              ALIAS:  10JNNPOLEM05
EXT:    A                         PSID:   EE
SCLK1:  04136283:00:0             SCLK2:  04136296:36:0
SCET1:    97-261/17:18:20.266     SCET2:    97-261/17:31:53.600
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNSPOLEM07

```
OAPEL:  10JNSPOLEM07              ALIAS:  10JNSPOLEM07
EXT:    A                         PSID:   EF
SCLK1:  04136322:00:0             SCLK2:  04136335:36:0
SCET1:    97-261/17:57:46.266     SCET2:    97-261/18:11:19.600
TARGET: JUPITER                   PARTITION: 1

MODE:       5                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6           PTAB_B:     1 1 0 1 4 6
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:    25                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNRTHOTS02

OAPEL: 10JNRTHOTS02 ALIAS: 10JNRTHOTS02
EXT: R PSID: KK
SCLK1: 04136342:00:0 SCLK2: 04136342:12:0
SCET1: 1997-261/18:17:59.600 SCET2: 1997-261/18:18:07.600
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNHEALTH02

```
OAPEL:  10NNHEALTH02              ALIAS:  10NNHEALTH02
EXT:    R                         PSID:   KB
SCLK1:  04136502:00:0             SCLK2:  04136502:12:0
SCET1:  1997-261/20:59:46.266     SCET2:  1997-261/20:59:54.266
TARGET: CAL                       PARTITION: 1

MODE:       3                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        1                     RECORD:     0

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  0
EST_COMP:   0.0                   EST_COMPV:  0.0
RATE_CON1:  00000                 RATE_CON2:  00000
NWAVETOT:   003                   TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302003000          03   02   003   000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10SNSMETIS01

```
OAPEL:  10SNSMETIS01              ALIAS:  10SNSMETIS01
EXT:    A                         PSID:   EK
SCLK1:  04136685:00:0             SCLK2:  04136685:50:0
SCET1:    97-262/00:04:48.266     SCET2:    97-262/00:05:21.600
TARGET:                           PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   360                   TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0326360001          03  26  360  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	1BDFF	1,1011,1101,1111,1111
13	1BDFF	1,1011,1101,1111,1111
14	1BDFF	1,1011,1101,1111,1111
15	1BDFF	1,1011,1101,1111,1111
16	1BDFF	1,1011,1101,1111,1111
17	1BDFF	1,1011,1101,1111,1111
18	1BDFF	1,1011,1101,1111,1111
19	1BDFF	1,1011,1101,1111,1111
20	1BDFF	1,1011,1101,1111,1111
21	1BDFF	1,1011,1101,1111,1111
22	1BDFF	1,1011,1101,1111,1111
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10SNADRAST01

```
OAPEL:  10SNADRAST01              ALIAS:  10SNADRAST01
EXT:    A                         PSID:   EL
SCLK1:  04136691:00:0             SCLK2:  04136691:50:0
SCET1:    97-262/00:10:52.266     SCET2:    97-262/00:11:25.600
TARGET:                           PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   360                   TLMFMT:     MPW

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0326360001          03  26  360  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	1BDFF	1,1011,1101,1111,1111
13	1BDFF	1,1011,1101,1111,1111
14	1BDFF	1,1011,1101,1111,1111
15	1BDFF	1,1011,1101,1111,1111
16	1BDFF	1,1011,1101,1111,1111
17	1BDFF	1,1011,1101,1111,1111
18	1BDFF	1,1011,1101,1111,1111
19	1BDFF	1,1011,1101,1111,1111
20	1BDFF	1,1011,1101,1111,1111
21	1BDFF	1,1011,1101,1111,1111
22	1BDFF	1,1011,1101,1111,1111
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEASUB01

OAPEL: 10JNFEASUB01 ALIAS: 10JNFEASUB01
EXT: A PSID: EM
SCLK1: 04136704:00:0 SCLK2: 04136715:78:0
SCET1: 97-262/00:24:00.933 SCET2: 97-262/00:36:00.933
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 80 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326080001 03 26 080 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	11400	1,0001,0100,0000,0000
1	11400	1,0001,0100,0000,0000
2	11400	1,0001,0100,0000,0000
3	11400	1,0001,0100,0000,0000
4	11400	1,0001,0100,0000,0000
5	11400	1,0001,0100,0000,0000
6	11400	1,0001,0100,0000,0000
7	19400	1,1001,0100,0000,0000
8	1A400	1,1010,0100,0000,0000
9	1A400	1,1010,0100,0000,0000
10	0A400	0,1010,0100,0000,0000
11	0A400	0,1010,0100,0000,0000
12	0A400	0,1010,0100,0000,0000
13	0AC00	0,1010,1100,0000,0000
14	0A800	0,1010,1000,0000,0000
15	0A800	0,1010,1000,0000,0000
16	1A800	1,1010,1000,0000,0000
17	1A800	1,1010,1000,0000,0000
18	1A800	1,1010,1000,0000,0000
19	1A800	1,1010,1000,0000,0000
20	12800	1,0010,1000,0000,0000
21	12800	1,0010,1000,0000,0000
22	12800	1,0010,1000,0000,0000
23	12800	1,0010,1000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNRTHOTS03

OAPEL: 10JNRTHOTS03 ALIAS: 10JNRTHOTS03
EXT: R PSID: KL
SCLK1: 04136721:00:0 SCLK2: 04136721:12:0
SCET1: 1997-262/00:41:12.266 SCET2: 1997-262/00:41:20.266
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 408 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302408000 03 02 408 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INTHRMAL02

```
OAPEL:  10INTHRMAL02              ALIAS:  10INTHRMAL02
EXT:    A                         PSID:   EO
SCLK1:  04136736:00:0             SCLK2:  04136739:77:0
SCET1:    97-262/00:56:22.266     SCET2:    97-262/01:00:15.600
TARGET: IO                        PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   408                   TLMFMT:     MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:     0326408001          03  26  408  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFFF	1,1111,1111,1111,1111
1	1FFFF	1,1111,1111,1111,1111
2	1FFFF	1,1111,1111,1111,1111
3	1FFFF	1,1111,1111,1111,1111
4	1FFFF	1,1111,1111,1111,1111
5	1FFFF	1,1111,1111,1111,1111
6	1FFFF	1,1111,1111,1111,1111
7	1FFFF	1,1111,1111,1111,1111
8	1FFFF	1,1111,1111,1111,1111
9	1FFFF	1,1111,1111,1111,1111
10	1FFFF	1,1111,1111,1111,1111
11	1FFFF	1,1111,1111,1111,1111
12	1FFFF	1,1111,1111,1111,1111
13	1FFFF	1,1111,1111,1111,1111
14	1FFFF	1,1111,1111,1111,1111
15	1FFFF	1,1111,1111,1111,1111
16	1FFFF	1,1111,1111,1111,1111
17	1FFFF	1,1111,1111,1111,1111
18	1FFFF	1,1111,1111,1111,1111
19	1FFFF	1,1111,1111,1111,1111
20	1FFFF	1,1111,1111,1111,1111
21	1FFFF	1,1111,1111,1111,1111
22	1FFFF	1,1111,1111,1111,1111
23	1FFFF	1,1111,1111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA02102

```
OAPEL:  10JNFEA02102            ALIAS:  10JNFEA02102
EXT:    A                       PSID:   EP
SCLK1:  04136821:00:0           SCLK2:  04136824:50:0
SCET1:    97-262/02:22:18.933   SCET2:    97-262/02:25:54.266
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10INHRSPEC01

```
OAPEL:  10INHRSPEC01              ALIAS:  10INHRSPEC01
EXT:    A                         PSID:   EQ
SCLK1:  04136960:00:0             SCLK2:  04136970:14:0
SCET1:    97-262/04:42:51.600     SCET2:    97-262/04:53:08.266
TARGET: IO                        PARTITION: 1

MODE:       3                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   360                   TLMFMT:     MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:     0326360001          03  26  360  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	1BDFF	1,1011,1101,1111,1111
13	1BDFF	1,1011,1101,1111,1111
14	1BDFF	1,1011,1101,1111,1111
15	1BDFF	1,1011,1101,1111,1111
16	1BDFF	1,1011,1101,1111,1111
17	1BDFF	1,1011,1101,1111,1111
18	1BDFF	1,1011,1101,1111,1111
19	1BDFF	1,1011,1101,1111,1111
20	1BDFF	1,1011,1101,1111,1111
21	1BDFF	1,1011,1101,1111,1111
22	1BDFF	1,1011,1101,1111,1111
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INNSPEC_01

```
OAPEL:  10INNSPEC_01              ALIAS:  10INNSPEC_01
EXT:    A                         PSID:   ER
SCLK1:  04136974:00:0             SCLK2:  04136979:49:0
SCET1:    97-262/04:57:00.933     SCET2:    97-262/05:02:37.600
TARGET: IO                        PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   360                   TLMFMT:     MPW

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:     0326360001          03  26  360  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1BDFF	1,1011,1101,1111,1111
1	1BDFF	1,1011,1101,1111,1111
2	1BDFF	1,1011,1101,1111,1111
3	1BDFF	1,1011,1101,1111,1111
4	1BDFF	1,1011,1101,1111,1111
5	1BDFF	1,1011,1101,1111,1111
6	1BDFF	1,1011,1101,1111,1111
7	1BDFF	1,1011,1101,1111,1111
8	1BDFF	1,1011,1101,1111,1111
9	1BDFF	1,1011,1101,1111,1111
10	1BDFF	1,1011,1101,1111,1111
11	1BDFF	1,1011,1101,1111,1111
12	1BDFF	1,1011,1101,1111,1111
13	1BDFF	1,1011,1101,1111,1111
14	1BDFF	1,1011,1101,1111,1111
15	1BDFF	1,1011,1101,1111,1111
16	1BDFF	1,1011,1101,1111,1111
17	1BDFF	1,1011,1101,1111,1111
18	1BDFF	1,1011,1101,1111,1111
19	1BDFF	1,1011,1101,1111,1111
20	1BDFF	1,1011,1101,1111,1111
21	1BDFF	1,1011,1101,1111,1111
22	1BDFF	1,1011,1101,1111,1111
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNHEALTH03

```
OAPEL:  10NNHEALTH03            ALIAS:  10NNHEALTH03
EXT:    R                       PSID:   KC
SCLK1:  04137007:00:0           SCLK2:  04137007:12:0
SCET1:  1997-262/05:30:22.933   SCET2:  1997-262/05:30:30.933
TARGET: CAL                     PARTITION: 1

MODE:       3                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 124         PTAB_B:     1 1 0 0 124
ECAL:       0                   OPCAL:      0
R/T:        1                   RECORD:     0

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  0
EST_COMP:   0.0                 EST_COMPV:  0.0
RATE_CON1:  00000               RATE_CON2:  00000
NWAVETOT:   003                 TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302003000          03  02  003  000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA07401

```
OAPEL:  10JNFEA07401            ALIAS:  10JNFEA07401
EXT:    A                       PSID:   ES
SCLK1:  04137282:00:0           SCLK2:  04137285:47:0
SCET1:    97-262/10:08:26.266   SCET2:    97-262/10:11:59.600
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10INVOLCAN03

OAPEL: 10INVOLCAN03 ALIAS: 10INVOLCAN03
EXT: A PSID: ET
SCLK1: 04137291:00:0 SCLK2: 04137292:17:0
SCET1: 97-262/10:17:32.266 SCET2: 97-262/10:18:44.266
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 102 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326102001 03 26 102 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	02100	0,0010,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	02100	0,0010,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02100	0,0010,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	02100	0,0010,0001,0000,0000
15	00000	0,0000,0000,0000,0000
16	02100	0,0010,0001,0000,0000
17	00000	0,0000,0000,0000,0000
18	02100	0,0010,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00000	0,0000,0000,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INCHEMIS05

OAPEL: 10INCHEMIS05 ALIAS: 10INCHEMIS05
EXT: A PSID: EU
SCLK1: 04137298:00:0 SCLK2: 04137300:50:0
SCET1: 97-262/10:24:36.933 SCET2: 97-262/10:27:11.600
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INTHRMAL03

OAPEL: 10INTHRMAL03 ALIAS: 10INTHRMAL03
EXT: A PSID: EV
SCLK1: 04137306:00:0 SCLK2: 04137308:00:0
SCET1: 97-262/10:32:42.266 SCET2: 97-262/10:34:43.600
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 228 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326228001 03 26 228 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1A100	1,1010,0001,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	1A100	1,1010,0001,0000,0000
3	1BDFF	1,1011,1101,1111,1111
4	1A100	1,1010,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	1A100	1,1010,0001,0000,0000
7	1BDFF	1,1011,1101,1111,1111
8	1A100	1,1010,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	1A100	1,1010,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	1A100	1,1010,0001,0000,0000
13	1BDFF	1,1011,1101,1111,1111
14	1A100	1,1010,0001,0000,0000
15	1BDFF	1,1011,1101,1111,1111
16	1A100	1,1010,0001,0000,0000
17	1BDFF	1,1011,1101,1111,1111
18	1A100	1,1010,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	1A100	1,1010,0001,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	1A100	1,1010,0001,0000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNTHRCYL01

OAPEL: 10JNTHRCYL01 ALIAS: 10JNTHRCYL01
EXT: A PSID: EW
SCLK1: 04137314:00:0 SCLK2: 04137333:66:0
SCET1: 97-262/10:40:47.600 SCET2: 97-262/11:00:44.266
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 253 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326253001 03 26 253 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	007FF	0,0000,0111,1111,1111
2	007FF	0,0000,0111,1111,1111
3	007FF	0,0000,0111,1111,1111
4	007FF	0,0000,0111,1111,1111
5	007FF	0,0000,0111,1111,1111
6	007FF	0,0000,0111,1111,1111
7	007FF	0,0000,0111,1111,1111
8	007FF	0,0000,0111,1111,1111
9	007FF	0,0000,0111,1111,1111
10	007FF	0,0000,0111,1111,1111
11	007FF	0,0000,0111,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	003FF	0,0000,0011,1111,1111
15	003FF	0,0000,0011,1111,1111
16	003FF	0,0000,0011,1111,1111
17	003FF	0,0000,0011,1111,1111
18	003FF	0,0000,0011,1111,1111
19	003FF	0,0000,0011,1111,1111
20	003FF	0,0000,0011,1111,1111
21	003FF	0,0000,0011,1111,1111
22	003FF	0,0000,0011,1111,1111
23	003FF	0,0000,0011,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA07402

```
OAPEL:  10JNFEA07402            ALIAS:  10JNFEA07402
EXT:    A                       PSID:   EX
SCLK1:  04137347:00:0           SCLK2:  04137348:89:0
SCET1:    97-262/11:14:09.600   SCET2:    97-262/11:16:09.600
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNTHRCYL02

OAPEL: 10JNTHRCYL02 ALIAS: 10JNTHRCYL02
EXT: A PSID: EZ
SCLK1: 04137355:00:0 SCLK2: 04137374:66:0
SCET1: 97-262/11:22:14.933 SCET2: 97-262/11:42:11.600
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 127 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326127001 03 26 127 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00187	0,0000,0001,1000,0111
1	00187	0,0000,0001,1000,0111
2	00187	0,0000,0001,1000,0111
3	00187	0,0000,0001,1000,0111
4	00187	0,0000,0001,1000,0111
5	00187	0,0000,0001,1000,0111
6	00187	0,0000,0001,1000,0111
7	00187	0,0000,0001,1000,0111
8	00187	0,0000,0001,1000,0111
9	00187	0,0000,0001,1000,0111
10	00187	0,0000,0001,1000,0111
11	00187	0,0000,0001,1000,0111
12	00187	0,0000,0001,1000,0111
13	00187	0,0000,0001,1000,0111
14	00187	0,0000,0001,1000,0111
15	00187	0,0000,0001,1000,0111
16	00187	0,0000,0001,1000,0111
17	0018F	0,0000,0001,1000,1111
18	0018F	0,0000,0001,1000,1111
19	0018F	0,0000,0001,1000,1111
20	0018F	0,0000,0001,1000,1111
21	0018F	0,0000,0001,1000,1111
22	0018F	0,0000,0001,1000,1111
23	0018F	0,0000,0001,1000,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA07403

```
OAPEL:  10JNFEA07403            ALIAS:  10JNFEA07403
EXT:    A                       PSID:   FA
SCLK1:  04137385:00:0           SCLK2:  04137388:46:0
SCET1:    97-262/11:52:34.933   SCET2:    97-262/11:56:08.266
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNTHRCYL04

```
OAPEL:  10JNTHRCYL04              ALIAS:  10JNTHRCYL04
EXT:    A                         PSID:   FE
SCLK1:  04137452:00:0             SCLK2:  04137474:26:0
SCET1:    97-262/13:00:19.600     SCET2:    97-262/13:22:51.600
TARGET: JUPITER                   PARTITION: 1

MODE:       3                     GAIN:       4
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   253                   TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0326253001          03  26  253  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	007FF	0,0000,0111,1111,1111
2	007FF	0,0000,0111,1111,1111
3	007FF	0,0000,0111,1111,1111
4	007FF	0,0000,0111,1111,1111
5	007FF	0,0000,0111,1111,1111
6	007FF	0,0000,0111,1111,1111
7	007FF	0,0000,0111,1111,1111
8	007FF	0,0000,0111,1111,1111
9	007FF	0,0000,0111,1111,1111
10	007FF	0,0000,0111,1111,1111
11	007FF	0,0000,0111,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	003FF	0,0000,0011,1111,1111
15	003FF	0,0000,0011,1111,1111
16	003FF	0,0000,0011,1111,1111
17	003FF	0,0000,0011,1111,1111
18	003FF	0,0000,0011,1111,1111
19	003FF	0,0000,0011,1111,1111
20	003FF	0,0000,0011,1111,1111
21	003FF	0,0000,0011,1111,1111
22	003FF	0,0000,0011,1111,1111
23	003FF	0,0000,0011,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNHEALTH04

```
OAPEL:  10NNHEALTH04              ALIAS:  10NNHEALTH04
EXT:    R                         PSID:   KD
SCLK1:  04137511:00:0             SCLK2:  04137511:12:0
SCET1:  1997-262/13:59:58.933     SCET2:  1997-262/14:00:06.933
TARGET: CAL                       PARTITION: 1

MODE:       3                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        1                     RECORD:     0

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  0
EST_COMP:   0.0                   EST_COMPV:  0.0
RATE_CON1:  00000                 RATE_CON2:  00000
NWAVETOT:   003                   TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302003000          03   02   003   000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA09901

```
OAPEL:  10JNFEA09901            ALIAS:  10JNFEA09901
EXT:    A                       PSID:   FJ
SCLK1:  04137924:00:0           SCLK2:  04137927:46:0
SCET1:    97-262/20:57:34.200   SCET2:    97-262/21:01:07.533
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFEA09902

```
OAPEL:  10JNFEA09902            ALIAS:  10JNFEA09902
EXT:    A                       PSID:   FL
SCLK1:  04137964:00:0           SCLK2:  04137967:46:0
SCET1:    97-262/21:38:00.866   SCET2:    97-262/21:41:34.200
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10INCHEMIS07

```
OAPEL:  10INCHEMIS07              ALIAS:  10INCHEMIS07
EXT:    A                         PSID:   FI
SCLK1:  04137983:00:0             SCLK2:  04137984:39:0
SCET1:    97-262/21:57:13.533     SCET2:    97-262/21:58:40.200
TARGET: IO                        PARTITION: 1

MODE:       3                     GAIN:       2
CHOP:       1                     GRAT_OFF:   4
PTAB_A:     1 1 0 0 124           PTAB_B:     1 1 0 0 124
ECAL:       0                     OPCAL:      0
R/T:        0                     RECORD:     1

MB_DOWN:    00000                 MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                   EST_COMPV:  0.3
RATE_CON1:  00000                 RATE_CON2:  65525
NWAVETOT:   228                   TLMFMT:     LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES:  030, 030, 030, 000, 030, 029, 028, 028, 029
                   028, 032, 034, 031, 031, 032, 030, 029

WETGID:     0326228001          03  26  228  001
WTGRP_SIZ:  26
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	02580	0,0010,0101,1000,0000
1	1BDFF	1,1011,1101,1111,1111
2	02580	0,0010,0101,1000,0000
3	1BDFF	1,1011,1101,1111,1111
4	02580	0,0010,0101,1000,0000
5	1BDFF	1,1011,1101,1111,1111
6	02580	0,0010,0101,1000,0000
7	1BDFF	1,1011,1101,1111,1111
8	02580	0,0010,0101,1000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02580	0,0010,0101,1000,0000
11	1BDFF	1,1011,1101,1111,1111
12	02580	0,0010,0101,1000,0000
13	1BDFF	1,1011,1101,1111,1111
14	02580	0,0010,0101,1000,0000
15	1BDFF	1,1011,1101,1111,1111
16	02580	0,0010,0101,1000,0000
17	1BDFF	1,1011,1101,1111,1111
18	02580	0,0010,0101,1000,0000
19	1BDFF	1,1011,1101,1111,1111
20	02580	0,0010,0101,1000,0000
21	1BDFF	1,1011,1101,1111,1111
22	02580	0,0010,0101,1000,0000
23	1BDFF	1,1011,1101,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA09903

```
OAPEL:  10JNFEA09903            ALIAS:  10JNFEA09903
EXT:    A                       PSID:   FM
SCLK1:  04137996:00:0           SCLK2:  04137999:47:0
SCET1:    97-262/22:10:22.200   SCET2:    97-262/22:13:55.533
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10NNHEALTH05

OAPEL: 10NNHEALTH05 ALIAS: 10NNHEALTH05
EXT: R PSID: KE
SCLK1: 04138015:00:0 SCLK2: 04138015:12:0
SCET1: 1997-262/22:29:34.866 SCET2: 1997-262/22:29:42.866
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 2
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 003 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302003000 03 02 003 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA53M01

OAPEL: 10JNFEA53M01 ALIAS: 10JNFEA53M01
EXT: A PSID: FN
SCLK1: 04138040:00:0 SCLK2: 04138065:59:0
SCET1: 97-262/22:54:51.533 SCET2: 97-262/23:20:48.200
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 157 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326157001 03 26 157 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	01183	0,0001,0001,1000,0011
1	0118B	0,0001,0001,1000,1011
2	0118F	0,0001,0001,1000,1111
3	0118F	0,0001,0001,1000,1111
4	0118F	0,0001,0001,1000,1111
5	0118F	0,0001,0001,1000,1111
6	0118F	0,0001,0001,1000,1111
7	0018F	0,0000,0001,1000,1111
8	0018F	0,0000,0001,1000,1111
9	0018F	0,0000,0001,1000,1111
10	0018F	0,0000,0001,1000,1111
11	0018F	0,0000,0001,1000,1111
12	0018F	0,0000,0001,1000,1111
13	0018F	0,0000,0001,1000,1111
14	0018F	0,0000,0001,1000,1111
15	0018F	0,0000,0001,1000,1111
16	0018F	0,0000,0001,1000,1111
17	0019F	0,0000,0001,1001,1111
18	0019F	0,0000,0001,1001,1111
19	0219F	0,0010,0001,1001,1111
20	0219F	0,0010,0001,1001,1111
21	0211F	0,0010,0001,0001,1111
22	0211F	0,0010,0001,0001,1111
23	0211F	0,0010,0001,0001,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNNPAURN01

OAPEL: 10JNNPAURN01 ALIAS: 10JNNPAURN01
EXT: A PSID: FO
SCLK1: 04138078:00:0 SCLK2: 04138106:78:0
SCET1: 97-262/23:33:16.866 SCET2: 97-263/00:02:27.533
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 40 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326040001 03 26 040 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00060	0,0000,0000,0110,0000
1	00060	0,0000,0000,0110,0000
2	00060	0,0000,0000,0110,0000
3	00060	0,0000,0000,0110,0000
4	00060	0,0000,0000,0110,0000
5	00060	0,0000,0000,0110,0000
6	00060	0,0000,0000,0110,0000
7	00060	0,0000,0000,0110,0000
8	00060	0,0000,0000,0110,0000
9	00060	0,0000,0000,0110,0000
10	00060	0,0000,0000,0110,0000
11	00040	0,0000,0000,0100,0000
12	00040	0,0000,0000,0100,0000
13	00040	0,0000,0000,0100,0000
14	00040	0,0000,0000,0100,0000
15	00040	0,0000,0000,0100,0000
16	00040	0,0000,0000,0100,0000
17	00040	0,0000,0000,0100,0000
18	00040	0,0000,0000,0100,0000
19	000C0	0,0000,0000,1100,0000
20	000C0	0,0000,0000,1100,0000
21	000C0	0,0000,0000,1100,0000
22	000C0	0,0000,0000,1100,0000
23	000C0	0,0000,0000,1100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10INVOLCAN05

OAPEL: 10INVOLCAN05 ALIAS: 10INVOLCAN05
EXT: A PSID: FQ
SCLK1: 04138147:00:0 SCLK2: 04138147:68:0
SCET1: 97-263/00:43:02.866 SCET2: 97-263/00:43:48.200
TARGET: IO PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 102 TLMFMT: LPU

THRESHOLD_SEL: 2
THRESHOLD_VALUES: 030, 030, 030, 000, 030, 029, 028, 028, 029
028, 032, 034, 031, 031, 032, 030, 029

WETGID: 0326102001 03 26 102 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00000	0,0000,0000,0000,0000
1	1BDFF	1,1011,1101,1111,1111
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	02100	0,0010,0001,0000,0000
5	1BDFF	1,1011,1101,1111,1111
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	02100	0,0010,0001,0000,0000
9	1BDFF	1,1011,1101,1111,1111
10	02100	0,0010,0001,0000,0000
11	1BDFF	1,1011,1101,1111,1111
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	02100	0,0010,0001,0000,0000
15	00000	0,0000,0000,0000,0000
16	02100	0,0010,0001,0000,0000
17	00000	0,0000,0000,0000,0000
18	02100	0,0010,0001,0000,0000
19	1BDFF	1,1011,1101,1111,1111
20	00000	0,0000,0000,0000,0000
21	1BDFF	1,1011,1101,1111,1111
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNSPAURN01

OAPEL: 10JNSPAURN01 ALIAS: 10JNSPAURN01
EXT: A PSID: FS
SCLK1: 04138356:00:0 SCLK2: 04138384:77:0
SCET1: 97-263/04:14:22.200 SCET2: 97-263/04:43:32.200
TARGET: JUPITER PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 0 RECORD: 1

MB_DOWN: 00000 MB_UP: 00000
COMP_FLAG: 1
EST_COMP: 2.0 EST_COMPV: 0.3
RATE_CON1: 00000 RATE_CON2: 65525
NWAVETOT: 40 TLMFMT: LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0326040001 03 26 040 001
WTGRP_SIZ: 26

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00060	0,0000,0000,0110,0000
1	00060	0,0000,0000,0110,0000
2	00060	0,0000,0000,0110,0000
3	00060	0,0000,0000,0110,0000
4	00060	0,0000,0000,0110,0000
5	00060	0,0000,0000,0110,0000
6	00060	0,0000,0000,0110,0000
7	00060	0,0000,0000,0110,0000
8	00060	0,0000,0000,0110,0000
9	00060	0,0000,0000,0110,0000
10	00060	0,0000,0000,0110,0000
11	00040	0,0000,0000,0100,0000
12	00040	0,0000,0000,0100,0000
13	00040	0,0000,0000,0100,0000
14	00040	0,0000,0000,0100,0000
15	00040	0,0000,0000,0100,0000
16	00040	0,0000,0000,0100,0000
17	00040	0,0000,0000,0100,0000
18	00040	0,0000,0000,0100,0000
19	000C0	0,0000,0000,1100,0000
20	000C0	0,0000,0000,1100,0000
21	000C0	0,0000,0000,1100,0000
22	000C0	0,0000,0000,1100,0000
23	000C0	0,0000,0000,1100,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNHEALTH06

```
OAPEL:  10NNHEALTH06            ALIAS:  10NNHEALTH06
EXT:    R                       PSID:   KF
SCLK1:  04138460:00:0           SCLK2:  04138460:12:0
SCET1:  1997-263/05:59:31.533   SCET2:  1997-263/05:59:39.533
TARGET: CAL                     PARTITION: 1

MODE:       3                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 124         PTAB_B:     1 1 0 0 124
ECAL:       0                   OPCAL:      0
R/T:        1                   RECORD:     0

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  0
EST_COMP:   0.0                 EST_COMPV:  0.0
RATE_CON1:  00000               RATE_CON2:  00000
NWAVETOT:   003                 TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0302003000          03   02   003   000
WTGRP_SIZ:  2
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	08044	0,1000,0000,0100,0100
1	00000	0,0000,0000,0000,0000
2	00000	0,0000,0000,0000,0000
3	00000	0,0000,0000,0000,0000
4	00000	0,0000,0000,0000,0000
5	00000	0,0000,0000,0000,0000
6	00000	0,0000,0000,0000,0000
7	00000	0,0000,0000,0000,0000
8	00000	0,0000,0000,0000,0000
9	00000	0,0000,0000,0000,0000
10	00000	0,0000,0000,0000,0000
11	00000	0,0000,0000,0000,0000
12	00000	0,0000,0000,0000,0000
13	00000	0,0000,0000,0000,0000
14	00000	0,0000,0000,0000,0000
15	00000	0,0000,0000,0000,0000
16	00000	0,0000,0000,0000,0000
17	00000	0,0000,0000,0000,0000
18	00000	0,0000,0000,0000,0000
19	00000	0,0000,0000,0000,0000
20	00000	0,0000,0000,0000,0000
21	00000	0,0000,0000,0000,0000
22	00000	0,0000,0000,0000,0000
23	00000	0,0000,0000,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10JNFEA11401

```
OAPEL:  10JNFEA11401            ALIAS:  10JNFEA11401
EXT:    A                       PSID:   FV
SCLK1:  04138557:00:0           SCLK2:  04138560:46:0
SCET1:    97-263/07:37:36.200   SCET2:    97-263/07:41:09.533
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFEA11402

```
OAPEL:  10JNFEA11402            ALIAS:  10JNFEA11402
EXT:    A                       PSID:   FW
SCLK1:  04138587:00:0           SCLK2:  04138590:34:0
SCET1:    97-263/08:07:56.200   SCET2:    97-263/08:11:21.533
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFEA12401

```
OAPEL:  10JNFEA12401            ALIAS:  10JNFEA12401
EXT:    A                       PSID:   FX
SCLK1:  04139151:00:0           SCLK2:  04139154:46:0
SCET1:    97-263/17:38:12.200   SCET2:    97-263/17:41:45.533
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10JNFEA12402

```
OAPEL:  10JNFEA12402            ALIAS:  10JNFEA12402
EXT:    A                       PSID:   FY
SCLK1:  04139180:00:0           SCLK2:  04139183:46:0
SCET1:    97-263/18:07:31.533   SCET2:    97-263/18:11:04.866
TARGET: JUPITER                 PARTITION: 1

MODE:       5                   GAIN:       2
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 1 4 6         PTAB_B:     1 1 0 1 4 6
ECAL:       0                   OPCAL:      0
R/T:        0                   RECORD:     1

MB_DOWN:    00000               MB_UP:      00000
COMP_FLAG:  1
EST_COMP:   2.0                 EST_COMPV:  0.3
RATE_CON1:  00000               RATE_CON2:  65525
NWAVETOT:    25                 TLMFMT:     LPU

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0507025001          05  07  025  001
WTGRP_SIZ:  7
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	00400	0,0000,0100,0000,0000
1	11D81	1,0001,1101,1000,0001
2	19900	1,1001,1001,0000,0000
3	01902	0,0001,1001,0000,0010
4	0B810	0,1011,1000,0001,0000
5	00C01	0,0000,1100,0000,0001
6	00000	0,0000,0000,0000,0000

10NNPCTRLT01

OAPEL: 10NNPCTRLT01 ALIAS: 10NNPCTRLT01
EXT: R PSID: FA
SCLK1: 04140740:00:0 SCLK2: 04140741:12:0
SCET1: 1997-264/20:24:51.466 SCET2: 1997-264/20:26:00.133
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNPCTRLT01

```
OAPEL:  10NNPCTRLT01            ALIAS:  10NNPCTRLT01
EXT:    S                       PSID:   FA
SCLK1:  04140746:00:0           SCLK2:  04140755:12:0
SCET1:  1997-264/20:30:55.466   SCET2:  1997-264/20:40:09.500
TARGET: CAL                     PARTITION: 1

MODE:       3                   GAIN:       4
CHOP:       1                   GRAT_OFF:   4
PTAB_A:     1 1 0 0 124         PTAB_B:     1 1 0 0 124
ECAL:       0                   OPCAL:      0
R/T:        1                   RECORD:     0

MB_DOWN:    11011               MB_UP:      11011
COMP_FLAG:  0
EST_COMP:   0.0                 EST_COMPV:  0.0
RATE_CON1:  00000               RATE_CON2:  00000
NWAVETOT:   252                 TLMFMT:     RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES:  000, 000, 000, 000, 000, 000, 000, 000, 000
                   000, 000, 000, 000, 000, 000, 000, 000

WETGID:     0303252000          03  03  252  000
WTGRP_SIZ:  3
```

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	1FFC0	1,1111,1111,1100,0000
1	1FFC0	1,1111,1111,1100,0000
2	1FFC0	1,1111,1111,1100,0000
3	1FFC0	1,1111,1111,1100,0000
4	1FFC0	1,1111,1111,1100,0000
5	1FFC0	1,1111,1111,1100,0000
6	1FFC0	1,1111,1111,1100,0000
7	1FFC0	1,1111,1111,1100,0000
8	1FFC0	1,1111,1111,1100,0000
9	1FFC0	1,1111,1111,1100,0000
10	1FFC0	1,1111,1111,1100,0000
11	1FFC0	1,1111,1111,1100,0000
12	1FF80	1,1111,1111,1000,0000
13	1FF80	1,1111,1111,1000,0000
14	1FF80	1,1111,1111,1000,0000
15	1FF80	1,1111,1111,1000,0000
16	1FF80	1,1111,1111,1000,0000
17	1FF80	1,1111,1111,1000,0000
18	1FF80	1,1111,1111,1000,0000
19	1FF80	1,1111,1111,1000,0000
20	1FF80	1,1111,1111,1000,0000
21	1FF80	1,1111,1111,1000,0000
22	1FF80	1,1111,1111,1000,0000
23	1FF80	1,1111,1111,1000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT01

OAPEL: 10NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: R PSID: XU
SCLK1: 04143294:00:0 SCLK2: 04143294:12:0
SCET1: 1997-266/15:27:14.066 SCET2: 1997-266/15:27:22.066
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT01

OAPEL: 10NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: S PSID: XU
SCLK1: 04143300:00:0 SCLK2: 04143301:12:0
SCET1: 1997-266/15:33:18.066 SCET2: 1997-266/15:34:26.733
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT01

OAPEL: 10NNRCTRLT01 ALIAS: LSNNRCTRTA01
EXT: T PSID: XU
SCLK1: 04143306:00:0 SCLK2: 04143306:12:0
SCET1: 1997-266/15:39:22.066 SCET2: 1997-266/15:39:30.066
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT02

OAPEL: 10NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: R PSID: XI
SCLK1: 04180736:00:0 SCLK2: 04180736:12:0
SCET1: 1997-292/22:25:14.000 SCET2: 1997-292/22:25:22.000
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT02

OAPEL: 10NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: S PSID: XI
SCLK1: 04180742:00:0 SCLK2: 04180743:12:0
SCET1: 1997-292/22:31:18.000 SCET2: 1997-292/22:32:26.666
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNRCTRLT02

OAPEL: 10NNRCTRLT02 ALIAS: LSNNRCTRTB01
EXT: T PSID: XI
SCLK1: 04180748:00:0 SCLK2: 04180748:12:0
SCET1: 1997-292/22:37:22.000 SCET2: 1997-292/22:37:30.000
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 1
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 0
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 252 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0303252000 03 03 252 000
WTGRP_SIZ: 3

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	003FF	0,0000,0011,1111,1111
1	003FF	0,0000,0011,1111,1111
2	003FF	0,0000,0011,1111,1111
3	003FF	0,0000,0011,1111,1111
4	003FF	0,0000,0011,1111,1111
5	003FF	0,0000,0011,1111,1111
6	003FF	0,0000,0011,1111,1111
7	003FF	0,0000,0011,1111,1111
8	003FF	0,0000,0011,1111,1111
9	003FF	0,0000,0011,1111,1111
10	003FF	0,0000,0011,1111,1111
11	003FF	0,0000,0011,1111,1111
12	007FF	0,0000,0111,1111,1111
13	007FF	0,0000,0111,1111,1111
14	007FF	0,0000,0111,1111,1111
15	007FF	0,0000,0111,1111,1111
16	007FF	0,0000,0111,1111,1111
17	007FF	0,0000,0111,1111,1111
18	007FF	0,0000,0111,1111,1111
19	007FF	0,0000,0111,1111,1111
20	007FF	0,0000,0111,1111,1111
21	007FF	0,0000,0111,1111,1111
22	007FF	0,0000,0111,1111,1111
23	007FF	0,0000,0111,1111,1111
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

10NNOPCAL_01

OAPEL: 10NNOPCAL_01 ALIAS: 10NNOPCAL_01
EXT: R PSID: DN
SCLK1: 04194365:00:0 SCLK2: 04194367:12:0
SCET1: 1997-302/12:05:39.500 SCET2: 1997-302/12:07:48.833
TARGET: CAL PARTITION: 1

MODE: 3 GAIN: 4
CHOP: 1 GRAT_OFF: 4
PTAB_A: 1 1 0 0 124 PTAB_B: 1 1 0 0 124
ECAL: 0 OPCAL: 1
R/T: 1 RECORD: 0

MB_DOWN: 11011 MB_UP: 11011
COMP_FLAG: 0
EST_COMP: 0.0 EST_COMPV: 0.0
RATE_CON1: 00000 RATE_CON2: 00000
NWAVETOT: 120 TLMFMT: RT

THRESHOLD_SEL: 0
THRESHOLD_VALUES: 000, 000, 000, 000, 000, 000, 000, 000, 000
000, 000, 000, 000, 000, 000, 000, 000

WETGID: 0302120000 03 02 120 000
WTGRP_SIZ: 2

EDIT TABLE

GRATING STEP	HEX MASK	DETECTOR MASK
0	18700	1,1000,0111,0000,0000
1	18700	1,1000,0111,0000,0000
2	18700	1,1000,0111,0000,0000
3	18700	1,1000,0111,0000,0000
4	18700	1,1000,0111,0000,0000
5	18700	1,1000,0111,0000,0000
6	18700	1,1000,0111,0000,0000
7	18700	1,1000,0111,0000,0000
8	18700	1,1000,0111,0000,0000
9	18700	1,1000,0111,0000,0000
10	18700	1,1000,0111,0000,0000
11	18700	1,1000,0111,0000,0000
12	18700	1,1000,0111,0000,0000
13	18700	1,1000,0111,0000,0000
14	18700	1,1000,0111,0000,0000
15	18700	1,1000,0111,0000,0000
16	18700	1,1000,0111,0000,0000
17	18700	1,1000,0111,0000,0000
18	18700	1,1000,0111,0000,0000
19	18700	1,1000,0111,0000,0000
20	18700	1,1000,0111,0000,0000
21	18700	1,1000,0111,0000,0000
22	18700	1,1000,0111,0000,0000
23	18700	1,1000,0111,0000,0000
24	00000	0,0000,0000,0000,0000
25	00000	0,0000,0000,0000,0000

NIMS C10 OBSTAB

This is a time-ordered ASCII TABLE (listing) of GALILEO NIMS observation parameters for use by downlink data processing of the NIMS C10 data. Each Obstab entry is 512 bytes long but is presented here as 4 lines of 128 characters per entry. Included items come from NIMS commands in (1) the Standard Sequence Data File (SSDF) and (2) the Playback Table Update Process (PTUP), plus some items from (3) the NIMS/CDS software load.

Note that SCLK1, SCLK2, SCET1 and SCET2 of non-realtime observations reflect the amount of data actually played back, rather than the amount recorded on tape. Likewise, the wavelength edit table pointers of non-realtime observations point to the playback edit table masks, rather than the ones used during recording.

Some of these items are needed for MIPS realtime processing of NIMS data, others for NIMSMERGE generation of the EDR and still others by NIMS/ISIS and MIPS systematic processing of EDRs into cubes. Missing non-required items will not interfere with a processing step. For completeness, almost all uplinked parameters are included in the table. (Only those items which will almost certainly remain constant have been omitted; e.g. Rice decision tables.)

The source below is one of:
- SEF for the Standard Sequence Data File (SSDF), specifying parameters of one of the NIMS (37) commands
- PBK for the Playback Table Update Process (PTUP), specifying parameters of the NIMPBK SINGLE command
- S/W for the NIMS/CDS software load process
- NIMS for NIMS team systematic processing requests to MIPS

* indicates item absolutely required for UDR generation (decompression, wavelength edit processing)
\# indicates item useful for UDR generation (for checking)
unmarked items needed for cube generation or useful for general information
<tbd> indicates more details will be forthcoming

	name	nchar	columns	.description	.source
	OAPEL	12	1 - 12	.Oapel Name from SEF (no aliases yet)	SEF: activity ID, 1st 12 chars should be unique
	ALIAS	12	13 - 24	.NIMS alias name for OAPEL	NIMS:
	EXT	1	25 - 25	.Extension, for split OAPELs, A,B,C... for playback, R,S,T... for realtime. Required for realtime.	NIMS: if breaking activity into several cubes
	PSID	2	26 - 27	.Parameter Set IDentification	SEF: <tbd>
*	SCLK1	13	28 - 40	.Start time of played-back OBS in SCLK	PBK (except realtime data: SEF)
*	SCLK2	13	41 - 53	.Stop time of played-back OBS in SCLK	PBK (except realtime data: SEF)
*	PARTITION	1	54 - 54	.Partition for SCLK1 and SCLK2.	
	<spare>	9	55 - 63	.	
	TARGET	8	64 - 71	.Primary Target of OBS	SEF: translate from 3rd char in OAPEL (activity ID)

	MODE	2	72 - 73	.NIMS Instrument MODE (0-15)	SEF: 37IOP, data byte 2, bits 5-8
	GAIN	1	74 - 74	.Gain State (true value)	SEF: 37IST, data byte 3, bits 7-8 (if bit 6 = 1) 0=gs2, 1=gs4, 2=gs3, 3=gs1
	CHOP	1	75 - 75	.Chopper State (1=Ref,2=63Hz,3=FreeRun,4=Off)	SEF: 37IST, data byte 2, bits 7-8 (if bit 6 = 1) 0=63hz, 1=off, 2=ref, 3=freerun
	GRAT_OFF	1	76 - 76	.Grating Offset (0-7, default 4)	SEF: 37GOF, data byte 2, bits 5-8
	PTAB_A(6)	12	77 - 88	.First PTAB |repeat count,mirror op,autobias...	SEF: functions of MODE (from 37IOP) as modified by 37MPT, unless special sequence (modes 12-15) in which case values come from 37SS parameters <tbd>
	PTAB_B(6)	12	89 - 100	.Second PTAB |...grating start, grating delta... . |...number of grating positions)	
	ECAL	1	101 - 101	.Electronics Calibration Active (1=yes)	SEF: 37IST, data byte 3, bit 4 (1=on)
	OPCAL	1	102 - 102	.Optics Calibration active (1=yes)	SEF: 37IST, data byte 3, bit 5 (1=on)
#	REAL_TIME	1	103 - 103	.NIMS in Real-Time Telemetry (1=yes)	SEF: track RT_INST_SEL .and. 37RT
#	RECORD	1	104 - 104	.NIMS in Record Telemetry (1=yes)	SEF: track DMS status event: RECORD, REVERSE, RESUME, RUNDOWN <tbd>
*	THRESHSEL	1	105 - 105	.Threshold value select (>0 = yes)	PBK: THRESHLD_TBL > 0 (i.e. 1-3)
	<spare>	1	106 - 106	.	
#	RTISELDN	5	107 - 111	.RTI select, 5 binary bits (for mirror position blocking, down scan)	SEF: 37MB data byte 1, bits 4-8 <tbd>
#	RTISELUP	5	112 - 116	.RTI select, 5 binary bits (for mirror position blocking, up scan)	SEF: 37MB data byte 2, bits 4-8 <tbd>
	<spare>	1	117 - 117	.	
*	RICEFLAG	1	118 - 118	.Rice compression flag	PBK: 0 no compression 1 Rice compression, ref vals each mirror scan 3 Rice compression, ref vals each RIM rollover
	<spare>	1	119 - 119	.	
	ESTCOMP	3	120 - 122	.Rice estimated compression ratio (m.n)	PBK: CMPR_DVSR <tbd>
	ESTCOMPV	3	123 - 125	.Rice estimated error in compression ratio (m.n)	PBK: CMPR_UNC <tbd>
#	RATECON1	5	126 - 130	.Rate control lower limit	PBK: | S/W table entry indexed by LOSSY_COMP (1-7)
#	RATECON2	5	131 - 135	.Rate control upper limit	PBK: | or 0 if LOSSY_COMP = 0 (no rate control)
	<spare>	17	136 - 152		
	NWAVETOT	3	153 - 155	.Total number of wavelengths selected	Compute from relevant Wavelength Edit Table group
	TLMFMT	3	156 - 158	.Telemetry format (MPW et al, LPU or LNR)	SEF: 6TMREC command
	SCET1	21	159 - 179	.Start time of played-back OBS in UTC	PBK (except realtime data: SEF)
	SCET2	21	180 - 200	.Stop time of played-back OBS in UTC	PBK (except realtime data: SEF)
	<spares>	67	201 - 267	.Start time of played-back OBS in UTC	PBK (except realtime data: SEF)
*	THRESH	51	268 - 318	.Threshold values (17 3-digit values, 0-999)	PBK: S/W table indexed by THRESH_TBL > 0, else 0s

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# WETGID       10 319 - 328     .Wavelength selection group ID (unique)         PBK: WET_GID    (realtime <tbd>)
                                  Rule of formation: mmeelllnnn where
                                   mm  = instrument mode (0-15)
                                   ee  = # entries in group
                                   lll = number of wavelengths selected
                                   nnn = sequence number
* WETGRPSIZ     2 329 - 330     .# Wavelength Edit entries (1-26)               PBK: ED_GRP_LEN (realtime SEF: 37ETB <tbd>)
* WETGRP      182 331 - 512     .Wavelength Edit Table group:  WETGRPSIZ        PBK: ED_GRP     (realtime SEF: 37ETB data bytes 2..)
                                  entries, each one has 7 characters.  The
                                  first 2 characters are the repeat count
                                  (01-26).  The other 5 characters contain
                                  5 hex digits, representing the detector
                                  mask in the form BHHHH where B is 0 or 1
                                  and H has range 0-15.  (These entries are
                                  from the 37ETB instrument edit group for
                                  realtime data and from the logical AND of
                                  corresponding entries in the instrument
                                  and playback edit groups for playback data.)
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.The TARGET names used are:
   CAL      - N - non-science targets, usually calibration targets
   EARTH    - W - Earth
   MOON     - L - Moon
   SKY      - H - Stellar Space (space and stars)
   VENUS    - V - Venus
   GASPRA   - P - Gaspra
   IDA      - U - Ida
   JUPITER  - J - Jupiter
   IO       - I - Io
   EUROPA   - E - Europa
   GANYMEDE - G - Ganymede
   CALLISTO - C - Callisto
   J_RING   - R - Jupiter rings
   (the single letter abbreviation appears as the third character in the OAPEL name ).
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10CNGLOBAL0110CNGLOBAL01ADA04133455:00:004133479:26:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-259/17:38:55.066  97-259/18:03:28.400
          03003003000003002902802802902803203403103103203002903262280012601000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000000100000
10CNCALLRT0210CNCALLRT02RKH04133492:00:004133495:12:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-259/18:16:19.7331997-259/18:19:29.733
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

10CNCALLRT0110CNCALLRT01RKG04133635:00:004133635:12:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-259/20:40:55.0661997-259/20:41:03.066
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

10CNASGARD0110CNASGARD01ADB04133832:00:004133840:80:01         CALLISTO 1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  180MPW  97-260/00:00:06.400  97-260/00:09:05.066
          00000000000000000000000000000000000000000000000000113180001130 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
10CNBRTLMB0110CUBRTLMB02ACF04133853:06:004133859:00:01         CALLISTO 1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                   24MPW  97-260/00:21:24.400  97-260/00:27:24.400
          00000000000000000000000000000000000000000000000000113024001130100108010010801001080100108010010801001080100108010
08010010801001080100108010010801001080100000
10CNPALIMP0110CNPALIMP01CDC04133861:00:004133865:87:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  360MPW  97-260/00:29:25.733  97-260/00:34:26.400
          00000000000000000000000000000000000000000000000000326360001260 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
10CNSMTHPL0110CNSMTHPL01ADD04133869:00:004133879:82:01         CALLISTO 1414 1 1 0 0 212 1 1 0 0 21200010 0000000000 1 2.00.3000
0065525                  180MPW  97-260/00:37:31.066  97-260/00:48:33.066
          00000000000000000000000000000000000000000000000000113180001130 11BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF0100000
10CNVALHAL0110CNVALHAL01ADE04133885:00:004133893:81:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  228LPU  97-260/00:53:41.733  97-260/01:02:41.066
          00000000000000000000000000000000000000000000000000326228001260 1000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000000100000
10CNCATENA0110CNCATENA01ADF04133920:00:004133942:32:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  228LPU  97-260/01:29:05.066  97-260/01:51:41.733
          00000000000000000000000000000000000000000000000000326228001260 1000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000000100000
10ENEUR15_0110ENEUR15_01RFZ04134210:00:004134225:12:01         EUROPA   3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  102RT 1997-260/06:22:18.3331997-260/06:37:36.333
          00000000000000000000000000000000000000000000000000304102000 4011BDFF0100000010000030100000

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10CNGLOBAL0210CNGLOBAL02ADG04134235:00:004134260:02:01         CALLISTO 3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-260/06:47:35.000  97-260/07:12:53.666
          030030030000030029028028029028032034031031032030029032622800126010002F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BD
FF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000F0011BDFF01000000100000
10INCHEMIS0110INCHEMIS01ADJ04135721:00:004135723:73:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-261/07:50:05.666  97-261/07:52:55.666
          030030030000030029028028029028032034031031032030029032622800126010258001 1BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
10INCHEMIS0810INCHEMIS08ADK04135729:00:004135730:32:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228MPW  97-261/07:58:11.000  97-261/07:59:33.666
          030030030000030029028028029028032034031031032030029032622800126010258001 1BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
10JNNPOLEM0610JNNPOLEM06ADL04135756:00:004135769:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-261/08:25:29.000  97-261/08:39:02.333
          000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

10JNSPOLEM0810JNSPOLEM08ADM04135822:00:004135833:29:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-261/09:32:13.000  97-261/09:43:39.666
          000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

10JNNPOLEM0110JNNPOLEM01ADN04135838:00:004135851:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-261/09:48:23.666  97-261/10:01:57.000
          000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

10JNSPOLEM0110JNSPOLEM01ADO04135877:00:004135890:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-261/10:27:49.666  97-261/10:41:23.000
          000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201 0B8100100C010100000

10JNNPOLEM0210JNNPOLEM02ADP04135912:00:004135925:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-261/11:03:13.000  97-261/11:16:46.333
          000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

10JNSPOLEM0210JNSPOLEM02ADQ04135951:00:004135964:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                  25LPU  97-261/11:42:39.000  97-261/11:56:12.333
          000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201 0B8100100C010100000

10JNFEA0410110JNFEA04101ADR04135976:00:004135979:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   4LPU  97-261/12:07:55.666  97-261/12:11:29.000
          000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

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10JNNPOLEM0310JNNPOLEM03ADS04135986:00:004135997:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/12:18:02.333  97-261/12:29:34.266
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10NNHEALTH0110NNHEALTH01RKA04136003:00:004136003:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-261/12:35:13.6001997-261/12:35:21.600
          00000000000000000000000000000000000000000000000000302003000 201080442500000

10JNSPOLEM0310JNSPOLEM03ADU04136007:00:004136020:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                    4LPU  97-261/12:39:16.266  97-261/12:52:49.600
          00000000000000000000000000000000000000000000000000507004001 701000000101900011000001000000100000010000001000000100000

10JNNPAURD0110JNNPAURD01ADV04136026:00:004136054:63:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   40LPU  97-261/12:58:28.933  97-261/13:27:29.600
          00000000000000000000000000000000000000000000000000000326040001260100420010042001004200100420010040001004000100400010040001000
0001000400100040010004001008400100840010084001008400100840010084001008400100840010084001008400100840010084001008400100840010000001000000
10JNFNP0410110JNFNP04101ADW04136075:24:004136088:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/13:48:18.266  97-261/14:01:34.933
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNSPAURD0110JNSPAURD01ADX04136090:00:004136113:76:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   40LPU  97-261/14:03:11.600  97-261/14:27:18.266
          00000000000000000000000000000000000000000000000000000326040001260100420010042001004200100420010040001004000100400010040001000
0001000400100040010004001008400100840010084001008400100840010084001008400100840010084001008400100840010084001008400100840010000001000000
10JNSPOLEM0410JNSPOLEM04ADY04136120:00:004136133:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/14:33:31.600  97-261/14:47:04.933
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNFNP0410210JNFNP04102AEA04136137:00:004136148:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/14:50:42.933  97-261/15:02:14.933
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNRTHOTS0110JNRTHOTS01RKJ04136168:00:004136168:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408MPW1997-261/15:22:03.6001997-261/15:22:11.600
          00000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

10JNSPOLEM0510JNSPOLEM05AEC04136174:00:004136187:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/15:28:07.600  97-261/15:41:40.933
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

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10JNNPOLEM0410JNNPOLEM04AED04136208:00:004136221:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/16:02:30.266  97-261/16:16:03.600
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNSPOLEM0610JNSPOLEM06AEG04136248:00:004136261:37:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/16:42:56.933  97-261/16:56:30.266
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNNPOLEM0510JNNPOLEM05AEE04136283:00:004136296:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/17:18:20.266  97-261/17:31:53.600
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNSPOLEM0710JNSPOLEM07AEF04136322:00:004136335:36:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-261/17:57:46.266  97-261/18:11:19.600
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNRTHOTS0210JNRTHOTS02RKK04136342:00:004136342:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-261/18:17:59.6001997-261/18:18:07.600
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

10NNHEALTH0210NNHEALTH02RKB04136502:00:004136502:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-261/20:59:46.2661997-261/20:59:54.266
          000000000000000000000000000000000000000000000000000302003000 201080442500000

10SNSMETIS0110SNSMETIS01AEK04136685:00:004136685:50:01                  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   360MPW  97-262/00:04:48.266  97-262/00:05:21.600
          000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
10SNADRAST0110SNADRAST01AEL04136691:00:004136691:50:01                  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   360MPW  97-262/00:10:52.266  97-262/00:11:25.600
          000000000000000000000000000000000000000000000000003263600012601 1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
10JNFEASUB0110JNFEASUB01AEM04136704:00:004136715:78:01         JUPITER  3214 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                    80LPU  97-262/00:24:00.933  97-262/00:36:00.933
          000000000000000000000000000000000000000000000000003260800012601 1140001114000111400011140001114000111400011140001194
00011A400011A400010A400010A400010A400010AC00010A800010A800011A800011A800011A800011A800011280001128000112800011280001000000100000
10JNRTHOTS0310JNRTHOTS03RKL04136721:00:004136721:12:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  408RT 1997-262/00:41:12.2661997-262/00:41:20.266
          000000000000000000000000000000000000000000000000000302408000 2241FFFF0200000

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10INTHRMAL0210INTHRMAL02AEO04136736:00:004136739:77:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  408MPW  97-262/00:56:22.266  97-262/01:00:15.600
          0300300300000300290280280290280320340310310320300290326408001260l1FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FF
FF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF011FFFF01000000100000
10JNFEA0210210JNFEA02102AEP04136821:00:004136824:50:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/02:22:18.933  97-262/02:25:54.266
          0000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10INHRSPEC0110INHRSPEC01AEQ04136960:00:004136970:14:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  360MPW  97-262/04:42:51.600  97-262/04:53:08.266
          0300300300000300290280280290280320340310310320300290326360001260l1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
10INNSPEC_0110INNSPEC_01AER04136974:00:004136979:49:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  360MPW  97-262/04:57:00.933  97-262/05:02:37.600
          0300300300000300290280280290280320340310310320300290326360001260l1BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BD
FF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF011BDFF01000000100000
10NNHEALTH0310NNHEALTH03RKC04137007:00:004137007:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-262/05:30:22.9331997-262/05:30:30.933
          0000000000000000000000000000000000000000000000000302003000 201080442500000

10JNFEA0740110JNFEA07401AES04137282:00:004137285:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/10:08:26.266  97-262/10:11:59.600
          0000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10INVOLCAN0310INVOLCAN03AET04137291:00:004137292:17:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  102LPU  97-262/10:17:32.266  97-262/10:18:44.266
          0300300300000300290280280290280320340310310320300290326102001260100000011BDFF0100000010000001021000l1BDFF010000001000
0001021000l1BDFF0102100011BDFF0100000010000001021000100000010210001000000102100011BDFF0100000011BDFF0100000010000001000000100000
10INCHEMIS0510INCHEMIS05AEU04137298:00:004137300:50:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-262/10:24:36.933  97-262/10:27:11.600
          0300300300000300290280280290280320340310310320300290326228001260102580011BDFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
10INTHRMAL0310INTHRMAL03AEV04137306:00:004137308:00:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-262/10:32:42.266  97-262/10:34:43.600
          0300300300000300290280280290280320340310310320300290326228001260l1A100011BDFF011A100011BDFF011A100011BDFF011A100011BD
FF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF011A100011BDFF01000000100000
10JNTHRCYL0110JNTHRCYL01AEW04137314:00:004137333:66:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  253LPU  97-262/10:40:47.600  97-262/11:00:44.266
          0000000000000000000000000000000000000000000000000032625300126010O3FF01007FF01007FF01007FF01007FF01007FF01007FF01007
FF01007FF01007FF01007FF01007FF01007FF01007FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01000000100000
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10JNFEA0740210JNFEA07402AEX04137347:00:004137348:89:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/11:14:09.600  97-262/11:16:09.600
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNTHRCYL0210JNTHRCYL02AEZ04137355:00:004137374:66:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  127LPU  97-262/11:22:14.933  97-262/11:42:11.600
          00000000000000000000000000000000000000000000000000000000003261270012601001870100187010018701001870100187010018701001
87010018701001870100187010018701001870100187010018701001870100187010018F010018F010018F010018F010018F010018F010018F01000000100000
10JNFEA0740310JNFEA07403AFA04137385:00:004137388:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/11:52:34.933  97-262/11:56:08.266
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNTHRCYL0410JNTHRCYL04AFE04137452:00:004137474:26:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  253LPU  97-262/13:00:19.600  97-262/13:22:51.600
          00000000000000000000000000000000000000000000000000000000003262530012601003FF01007FF01007FF01007FF01007FF01007FF01007FF01007
FF01007FF01007FF01007FF01007FF01007FF01007FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01003FF01000000100000
10NNHEALTH0410NNHEALTH04RKD04137511:00:004137511:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-262/13:59:58.9331997-262/14:00:06.933
          00000000000000000000000000000000000000000000000000302003000 201080442500000

10JNFEA0990110JNFEA09901AFJ04137924:00:004137927:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/20:57:34.200  97-262/21:01:07.533
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNFEA0990210JNFEA09902AFL04137964:00:004137967:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/21:38:00.866  97-262/21:41:34.200
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10INCHEMIS0710INCHEMIS07AFI04137983:00:004137984:39:01         IO       3214 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  228LPU  97-262/21:57:13.533  97-262/21:58:40.200
          03003003000003002902802802902803203403103103203002903262280012601025800118DFF0102580011BDFF0102580011BDFF0102580011BD
FF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF0102580011BDFF01000000100000
10JNFEA0990310JNFEA09903AFM04137996:00:004137999:47:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-262/22:10:22.200  97-262/22:13:55.533
          00000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10NNHEALTH0510NNHEALTH05RKE04138015:00:004138015:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-262/22:29:34.8661997-262/22:29:42.866
          00000000000000000000000000000000000000000000000000302003000 201080442500000

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10JNFEA53M0110JNFEA53M01AFN04138040:00:004138065:59:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                  157LPU  97-262/22:54:51.533  97-262/23:20:48.200
          000000000000000000000000000000000000000000000000000000003261570012601011830101188010118F010118F010118F010118F010118F01001
8F010018F010018F010018F010018F010018F010018F010018F010018F010018F010019F010019F010219F010219F010211F010211F010211F01000000100000
10JNNPAURN0110JNNPAURN01AFO04138078:00:004138106:78:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   40LPU  97-262/23:33:16.866  97-263/00:02:27.533
          000000000000000000000000000000000000000000000000000000003260400012601000600100060010006001000600100060010006001000600100
6001000600100060010006001000400100040010004001000400100040010004001000400100040010004001000C001000C001000C001000C001000C001000000100000
10INVOLCAN0510INVOLCAN05AFQ04138147:00:004138147:68:01         IO       3414 1 1 0 0 124 1 1 0 0 12400012 0000000000 1 2.00.3000
0065525                  102LPU  97-263/00:43:02.866  97-263/00:43:48.200
          030030030000030029028028029028032034031031032030029032610200126010000011BDFF010000001000000102100011BDFF010000001000
0001021000011BDFF0102100011BDFF0100000010000001021000100000010210001000000102100011BDFF0100000011BDFF0100000010000001000000100000
10JNSPAURN0110JNSPAURN01AFS04138356:00:004138384:77:01         JUPITER  3414 1 1 0 0 124 1 1 0 0 12400010 0000000000 1 2.00.3000
0065525                   40LPU  97-263/04:14:22.200  97-263/04:43:32.200
          000000000000000000000000000000000000000000000000000000003260400012601000600100060010006001000600100060010006001000600100
6001000600100060010006001000400100040010004001000400100040010004001000400100040010004001000C001000C001000C001000C001000C001000000100000
10NNHEALTH0610NNHEALTH06RKF04138460:00:004138460:12:01         CAL      3214 1 1 0 0 124 1 1 0 0 12400100 0000000000 0 0.00.0000
0000000                  003RT 1997-263/05:59:31.5331997-263/05:59:39.533
          000000000000000000000000000000000000000000000000000000302003000 201080442500000

10JNFEA1140110JNFEA11401AFV04138557:00:004138560:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-263/07:37:36.200  97-263/07:41:09.533
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNFEA1140210JNFEA11402AFW04138587:00:004138590:34:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-263/08:07:56.200  97-263/08:11:21.533
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNFEA1240110JNFEA12401AFX04139151:00:004139154:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-263/17:38:12.200  97-263/17:41:45.533
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10JNFEA1240210JNFEA12402AFY04139180:00:004139183:46:01         JUPITER  5214 1 1 0 1 4 6 1 1 0 1 4 600010 0000000000 1 2.00.3000
0065525                   25LPU  97-263/18:07:31.533  97-263/18:11:04.866
          000000000000000000000000000000000000000000000000000507025001 701004000111D810119900010190201OB8100100C010100000

10NNPCTRLT0110NNPCTRLT01RFA04140740:00:004140741:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-264/20:24:51.4661997-264/20:26:00.133
          000000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

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10NNPCTRLT0110NNPCTRLT01SFA04140746:00:004140755:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-264/20:30:55.4661997-264/20:40:09.500
          00000000000000000000000000000000000000000000000000303252000 3121FFC0121FF800200000

10NNRCTRLT01LSNNRCTRTA01RXU04143294:00:004143294:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-266/15:27:14.0661997-266/15:27:22.066
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNRCTRLT01LSNNRCTRTA01SXU04143300:00:004143301:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-266/15:33:18.0661997-266/15:34:26.733
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNRCTRLT01LSNNRCTRTA01TXU04143306:00:004143306:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-266/15:39:22.0661997-266/15:39:30.066
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNRCTRLT02LSNNRCTRTB01RXI04180736:00:004180736:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-292/22:25:14.0001997-292/22:25:22.000
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNRCTRLT02LSNNRCTRTB01SXI04180742:00:004180743:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-292/22:31:18.0001997-292/22:32:26.666
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNRCTRLT02LSNNRCTRTB01TXI04180748:00:004180748:12:01         CAL      3114 1 1 0 0 124 1 1 0 0 12400100 1101111011 0 0.00.0000
0000000                  252RT 1997-292/22:37:22.0001997-292/22:37:30.000
          00000000000000000000000000000000000000000000000000303252000 312003FF12007FF0200000

10NNOPCAL_0110NNOPCAL_01RDN04194365:00:004194367:12:01         CAL      3414 1 1 0 0 124 1 1 0 0 12401100 1101111011 0 0.00.0000
0000000                  120RT 1997-302/12:05:39.5001997-302/12:07:48.833
          00000000000000000000000000000000000000000000000000302120000 224187000200000

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Chapter 5 - Detailed Observation Designs

Contents

Introduction to Chapter 5

Detailed Observation Designs

Each NIMS Detailed Observation Design consists of an OAPEL form and a Pointer plot. The OAPEL form is a brief description of the design of the observation. The Pointer plot is a plot of the target body with the NIMS footprint incorporated in the mosaic design superimposed on the target body. The size and orientation of the target body is plotted as it appears at the time of the first NIMS footprint plotted. For long observations, the target body may rotate or move relative to the spacecraft during the observation. Some observations, such as calibrations, do not have Pointer plots.

The Pointer plots and OAPEL forms in this chapter have been updated to report the actual data returned.

The Pointer plots have the spatial extent of the actual data returned outlined with a thick line. When no data were returned for a particular observation, its Pointer plot has a single slash across the plot with the text "NO DATA RETURNED" printed in the upper left corner of the plot.

The text of the OAPEL forms have been modified to reflect the actual NIMS instrument parameters for playback. An extra line containing one or some of the following statements has been added to the Observation Objective section of the OAPEL form to report the data retun status:

"Data Returned" == Data from this observation returned
"No Data Returned" == NO Data from this observation returned
"Processor Halted" == The NIMS Processor had halted at this time.

More information regarding NIMS data return can be found in Chapter 7 of this guide.

NIMS chopper turn on

ACTIVITY ID: 10NNCHOPON01
START TIME: 97-259/17:19:46.067

Activity ID: Orbit 10 Target N Inst N OAPEL CHOPON SeqNo 01

Title	NIMS chopper turn on			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date	09/16/97	Week 38
Start	CEE-CDS 00000415:00:0	97-259/17:19:46.067		CEE-000/06:59:36.666	
End	CEE-CDS 00000410:00:0	97-259/17:24:49.400		CEE-000/06:54:33.333	
Duration	00000005:00:0	000/00:05:03.333		000/00:05:03.333	

Top Label	G7NNCHOPON01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	38	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

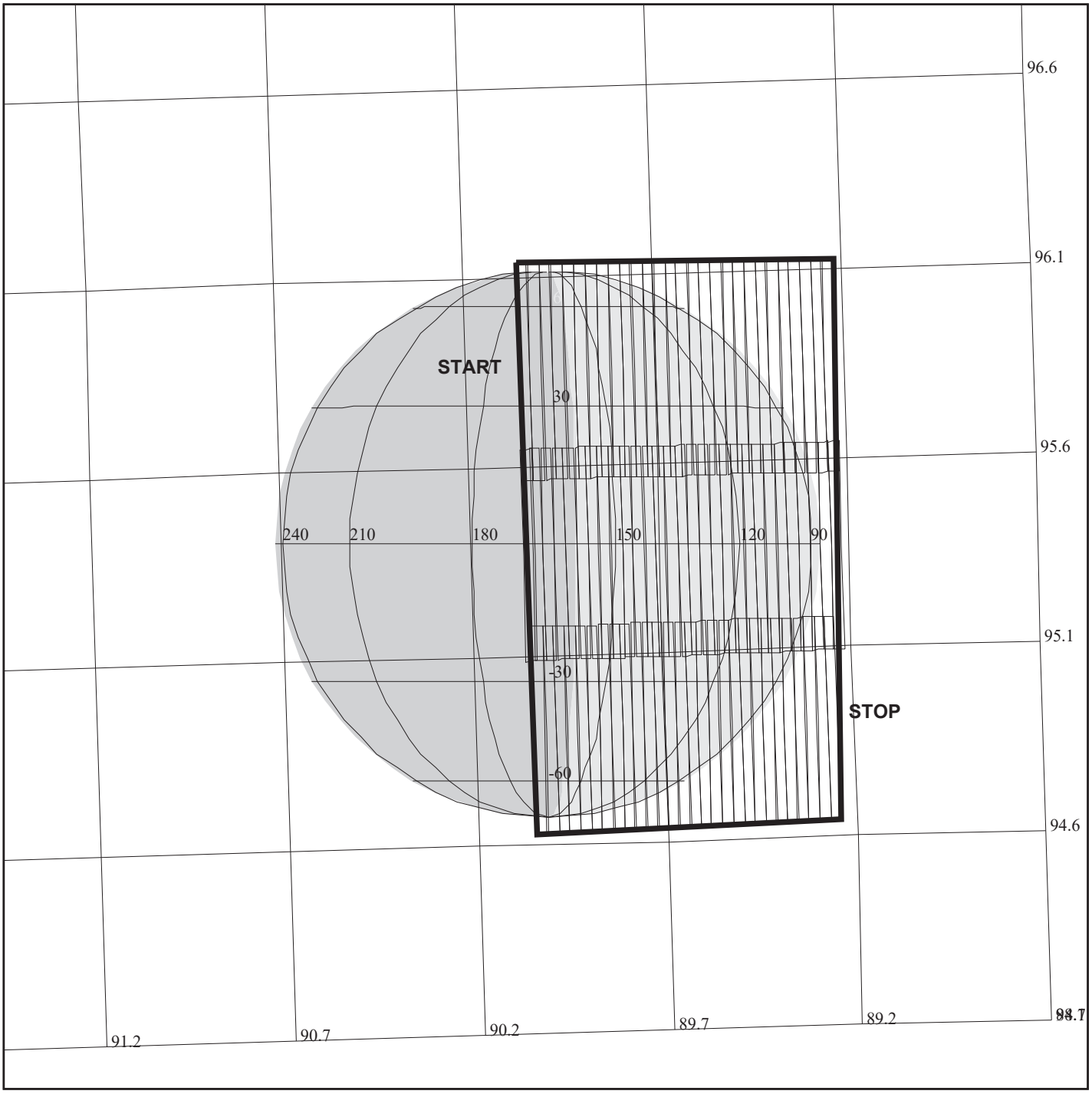
Observation Objective

To turn the NIMS instrument chopper on and change its mode to REFERENCE.

Design Detail

Use two NIMS 37IST commands, the first to turn chopper on and the second to reference:

37IST,1,0,0,OFF,0,0,0
37IST,1,2,0,OFF,0,0,0



165DA:TT= 0 TMC= 1 C= 1.00 XC= 8.00 BS= 0/7805 TC= 3
A= 728 pD= 0 SR=17.450 RA50=221.19 DEC50=-17.24 cone= 90.07 clock= 95.85
117DA:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/7805
1:#s= 3 Cs= -14.50 XCs= 0.00 Cr= 14.80 XCr= -8.50 sD= 1456 rD= 26

10CNGLOBAL01

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNGLOBAL01

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:CEE 97-260/00:19:22.733 -CDS 396:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.500

OBSERVATION:10CNGLOBAL01

DESCRIP:CALLISTO GLOBAL COVERAGE

Callisto Global Coverage

ACTIVITY ID: 10CNGLOBAL01-
START TIME: 97-259/17:33:55.400

Activity ID: Orbit 10 Target C Inst N OAPEL GLOBAL SeqNo 01 -

Title	Callisto Global Coverage			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/16/97 Week 38
Start	CEE-CDS 00000401:00:0	97-259/17:33:55.400		CEE-000/06:45:27.333	
End	CEE-CDS 00000367:00:0	97-259/18:08:18.067		CEE-000/06:11:04.666	
Duration	00000034:00:0	000/00:34:22.667		000/00:34:22.667	

Top Label 10CNGLOBAL01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	190	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

The objective is to obtain the best combined spatial and spectral resolution data over all lit longitudes and latitudes, to investigate surface mineralogy and to determine the distribution of compositional units.

Data Returned

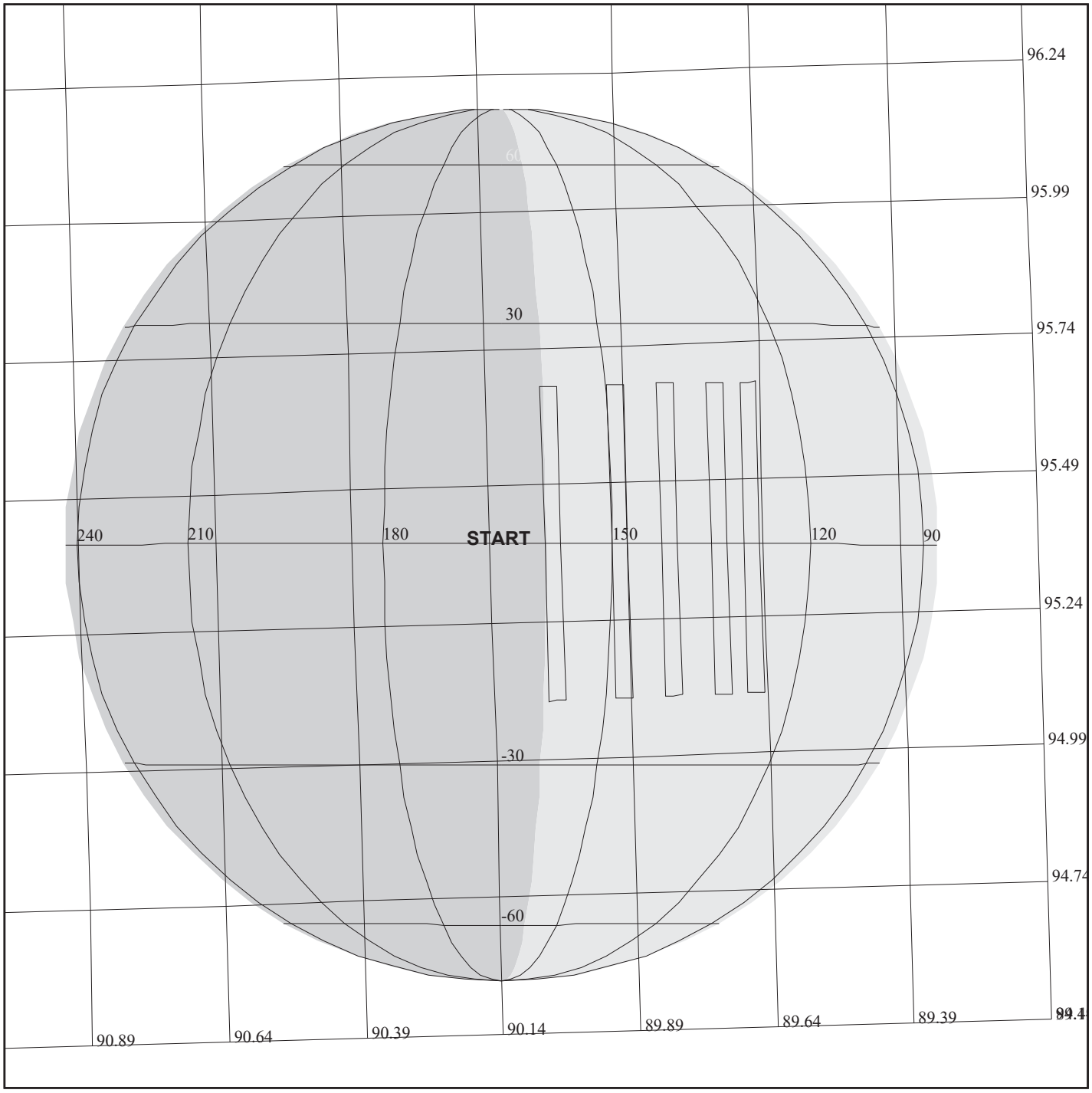
Design Detail

Record Mode: LPU
Instrument mode: LM
Spatial resolution: 100 km/nimsel
Instrument gain state: 4
Spectral resolution: 51 wavelengths
Phase angle: 94.68
Coverage in nimsels:
Bits-to-Ground: 3.5 mbits

Continuous slew mosaic covering all lit longitudes and latitudes at 6 hrs prio closest approach. 20% overlap NYQUIST sampling. 3 swaths to cover lit surface.

Long Map (LM), Gain 4, Grating Start 0, LPU, CLM243C, CLM228C

Galileo Activity Plan Form 08/20/97 15:06:36 rev 6/95



165FU:TT= 0 TMC= 1 C= -1.50 XC= 0.00 BS= 0/4539 TC= 3
A= 182 pD= 0 SR=17.450 RA50=220.99 DEC50=-17.66 cone= 90.03 clock= 95.39
117FU:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/4539
1:#s= 1 Cs= -6.65 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 670 rD= 2

10CNCALLRT02

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNCALLRT02

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 7

START:CEE 97-260/00:19:22.733 -CDS 359:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.800

OBSERVATION:10CNCALLRT02

DESCRIP:CALLISTO_REAL_TIME_OBSERVATION

Callisto Real-Time Observation — ACTIVITY ID: 10CNCALLRT02- — START TIME: 97-259/18:09:18.733

Activity ID: Orbit 10 Target C Inst N OAPEL CALLRT SeqNo 02 -

Title	Callisto Real-Time Observation			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/16/97 Week 38
Start	CEE-CDS 00000366:00:0	97-259/18:09:18.733		CEE-000/06:10:04.000	
End	CEE-CDS 00000354:00:0	97-259/18:21:26.733		CEE-000/05:57:56.000	
Duration	00000012:00:0	000/00:12:08.000		000/00:12:08.000	

Top Label 10CNCALLRT02-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Real-Time observation of Callisto's equatorial region taken at different longitudes. These observations provide insight into wavelength selection information for playback as well as supplying compositional data about Callisto's surface.

Data Returned

Design Detail

Target dayside equatorial region and scan from terminator to limb as time allows.

Instrument mode is LM, 408 wavelength return, mirror blocked, real-time selected.

Scan rate of 0.03 mrad/sec or whatever provides Nyquist sampling.

Mirror Blocked (1B,1B) (11011,11011)

Long Map (LM), Gain 4, Grating Start 0, R/T, RT408

Galileo Activity Plan Form 08/20/97 15:06:36 rev 6/95

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C10 Callisto C/A moveable block — ACTIVITY ID: 10CXMOVBLK01 — START TIME: 97-259/18:29:32.067

Activity ID: Orbit 10 Target C Inst X OAPEL MOVBLK SeqNo 01

Title	C10 Callisto C/A moveable block			Instrument	
Requestor	NIMS-SWG/J.CULWELL	Team	RSSG	Working Group	SWG

Time System	CDS	Load ID	C10A	Calendar Date	09/16/97 Week 38
Start	CTE-CDS 346:00:0	97-259/18:29:32.067		CTE-000/05:49:50.666	
End	CTE-CDS 00000341:00:0	97-259/18:34:35.400		CTE-000/05:44:47.333	
Duration	00000005:00:0	000/00:05:03.333		000/00:05:03.333	

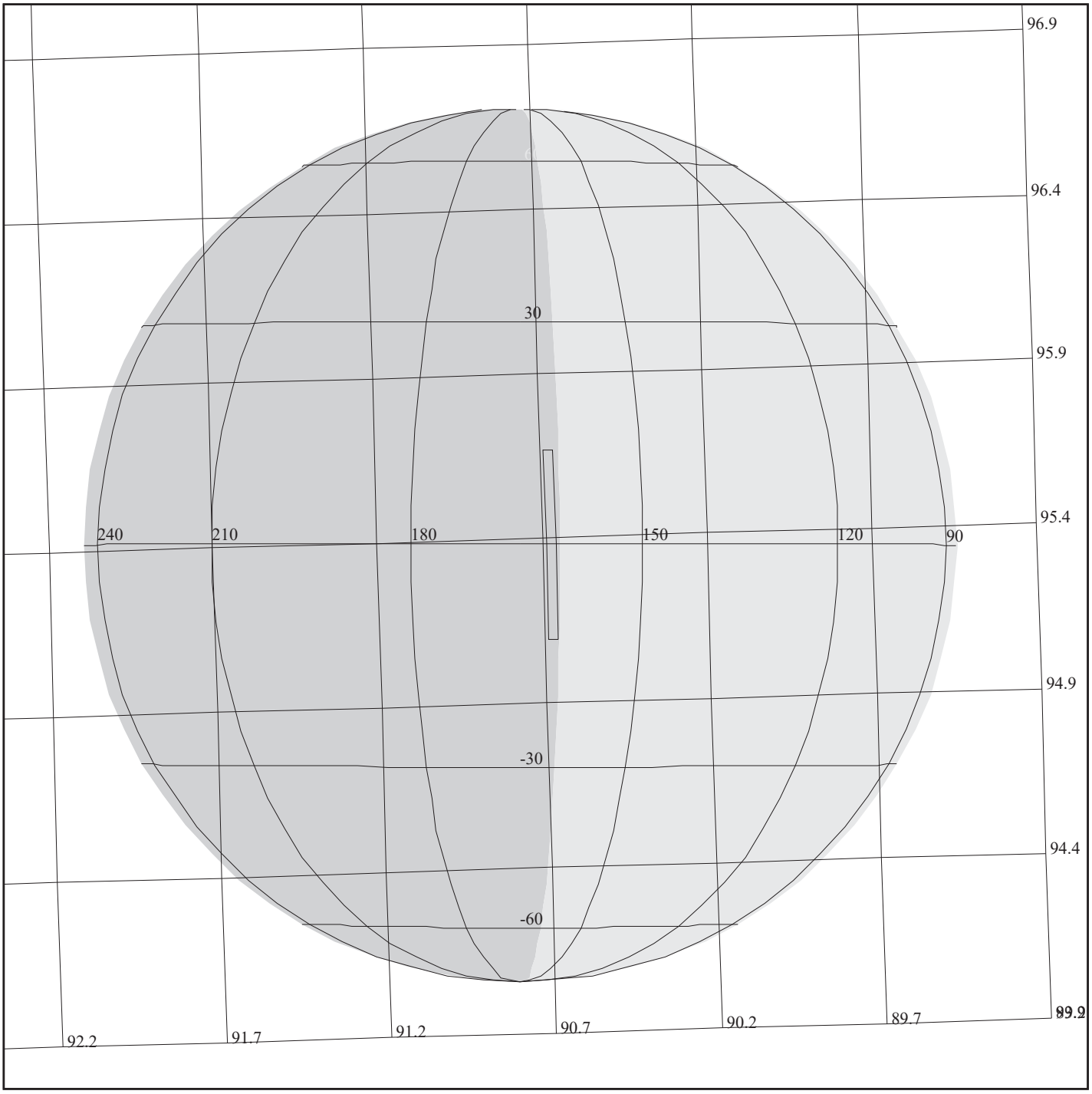
Top Label
Bottom Label

Plot Key	MSNEV1	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes

Observation Objective

Reserve time in the sequence for moving the closest approach observations to be centered on C/A

Design Detail



165FT:TT= 0 TMC= 1 C= -1.50 XC= 0.00 BS= 0/0565 TC= 3
A= 182 pD= 0 SR=17.450 RA50=221.67 DEC50=-17.93 cone= 90.73 clock= 95.35
117FT:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0565
1:#s= 1 Cs= -7.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 728 rD= 2

10CNCALLRT01

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNCALLRT01

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 7

START:CTE 97-260/00:19:22.733 -CDS 216:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.800

OBSERVATION:10CNCALLRT01

DESCRIP:CALLISTO_REAL_TIME_OBSERVATION

Callisto Real-Time Observation — ACTIVITY ID: 10CNCALLRT01- / START TIME: 97-259/20:36:56.067

Activity ID: Orbit 10 Target C Inst N OAPEL CALLRT SeqNo 01 -

Title	Callisto Real-Time Observation			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/16/97 Week 38
Start	CTE-CDS 00000220:00:0	97-259/20:36:56.067		CTE-000/03:42:26.666	
End	CTE-CDS 00000212:00:0	97-259/20:45:01.400		CTE-000/03:34:21.333	
Duration	00000008:00:0	000/00:08:05.333		000/00:08:05.333	

Top Label	10CNCALLRT01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Real-Time observation of Callisto's equatorial region taken at different longitudes. These observations provide insight into wavelength selection information for playback as well as supplying compositional data about Callisto's surface.

Data Returned

Design Detail

Target dayside equatorial region and scan from terminator to limb as time allows.

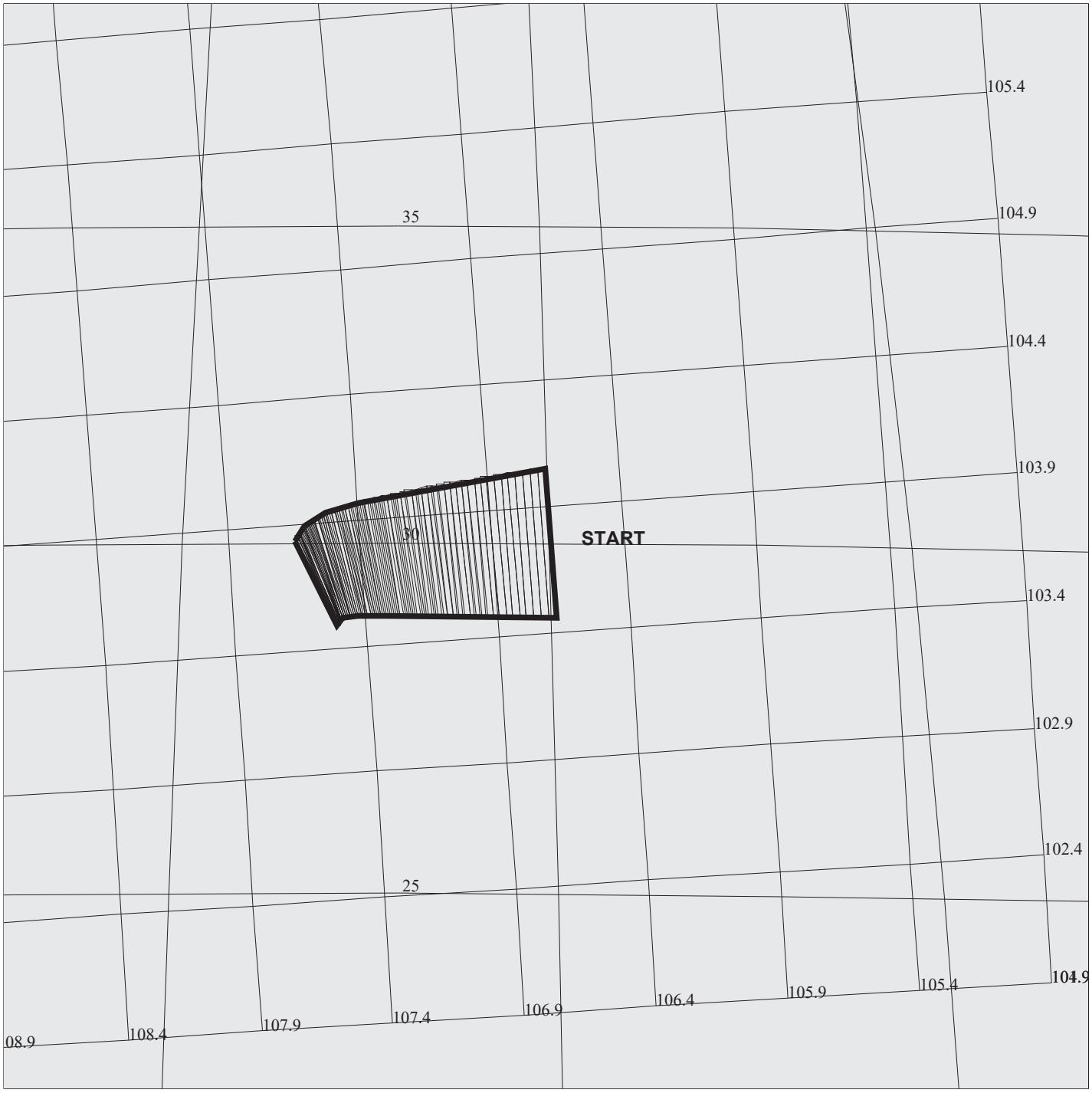
Instrument mode is LM, 408 wavelength return, mirror blocked, real-time selected.

Scan rate of 0.03 mrad/sec or whatever provides Nyquist sampling.

Mirror Blocked (1B,1B) (11011,11011)

Long Map (LM), Gain 4, Grating Start 0, R/T, RT408

Galileo Activity Plan Form 08/20/97 15:06:36 rev 6/95



165DB:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/6419 TC= 1(30 150)
A= 364 pD= 1624 SR=17.450 RA50=240.13 DEC50=-14.83 cone=106.69 clock=103.75
117DB:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/6419
1:#s= 1 Cs= 32.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1624 rD= 30

10CNASGARD01

DESIGN G3.2 lisac: 9/26/1997 12:29: 0

FILE:P.10CNASGARD01

TARGET BODY : CALLISTO

MINI:m.10CNASGARD01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:CTE 97-260/00:19:22.733 -CDS 19:00:0 **BODY PLOT TIME:TARGET-TIME D= 1624 S= 7.000**

OBSERVATION:10CNASGARD01 **DESCRIP:ASGARD BASIN OBSERVATION**

ASGARD Basin observation

ACTIVITY ID: 10CNASGARD01-
START TIME: 97-259/23:57:08.067

Activity ID: Orbit 10 Target C Inst N OAPEL ASGARD SeqNo 01 -

Title	ASGARD Basin observation			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/16/97 Week 38
Start	CTE-CDS 00000022:00:0	97-259/23:57:08.067		CTE-000/00:22:14.666	
End	CTE-CDS 00000010:00:0	97-260/00:09:16.067		CTE-000/00:10:06.666	
Duration	00000012:00:0	000/00:12:08.000		000/00:12:08.000	

Top Label	10CNASGARD01				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	175	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To obtain high spectral and high spatial resolution data on Asgard's palimpsests. To investigate its origin and determine compositional units.

Data Returned

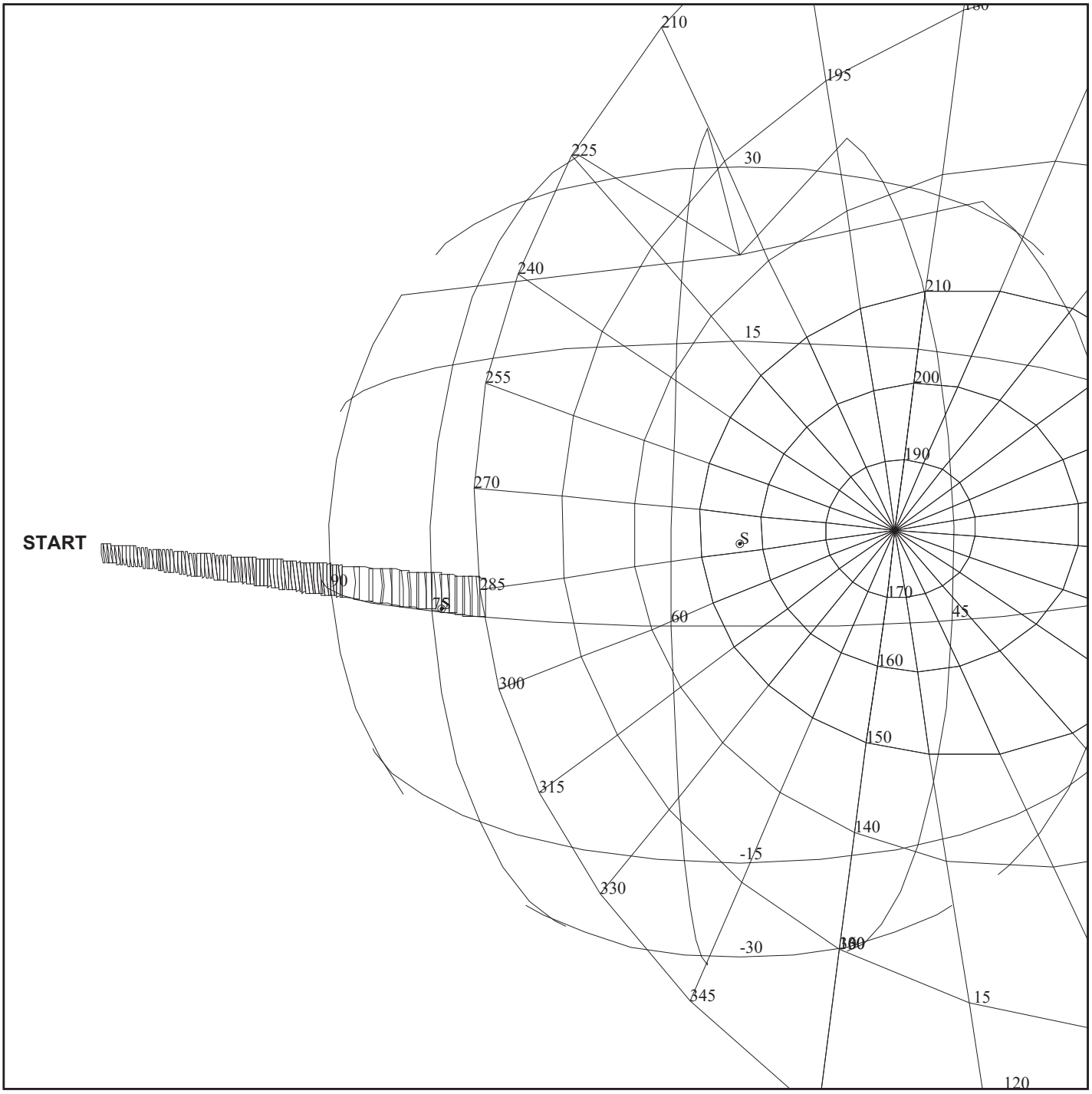
Design Detail

Record Mode: MPW
Instrument mode: FM
Spatial resolution: 3.835 km/nimsel
Instrument gain state: 4
Spectral resolution: 102 wavelengths
Phase angle: 79.29
Coverage in nimsels: 230km * 76.7 km
Bits-to-Ground: 1.75 mbits

One continuous scan across Asgard's palimpsest NYQUIST sampling.

Full Map (FM), Gain 4, Grating Start 0, MPW, CFM221, CFM180

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165CF:TT= 0 TMC= 1 C= -370.00 XC= -104.00 BS= 0/0240 TC= 2(117.0 284.5)
A= 546 pD= 0 SR=17.430 RA50= 36.21 DEC50= 13.34 cone= 95.80 clock=277.81

10CNBRTLMB01

TARGET G3.1 lisac: 8/25/1997 12:50:26

FILE:P.10CUBRTLMB02

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING: :UVS 1**

START:CTE 97-260/00:19:22.733 +CDS 02:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.500**

OBSERVATION:10CUBRTLMB02 **DESCRIP:C10 UVS H Bright Limb Drift**

NIMS CALLISTO BRIGHT LIMB (OH) ACTIVITY ID: 10CNBRTLMB01+
START TIME: 97-260/00:20:23.399

Activity ID: Orbit 10 Target C Inst N OAPEL BRTLMB SeqNo 01 +

Title	NIMS CALLISTO BRIGHT LIMB (OH)			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CTE+CDS 1:00:0	97-260/00:20:23.399		CTE+000/00:01:00.666	
End	CTE+CDS 00000008:00:0	97-260/00:27:28.066		CTE+000/00:08:05.333	
Duration	00000007:00:0	000/00:07:04.667		000/00:07:04.667	

Top Label 10CNBRTLMB01+
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	55	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Limb scan of Callisto.
NIMS will ride along with UVS. Search for atmosphere.

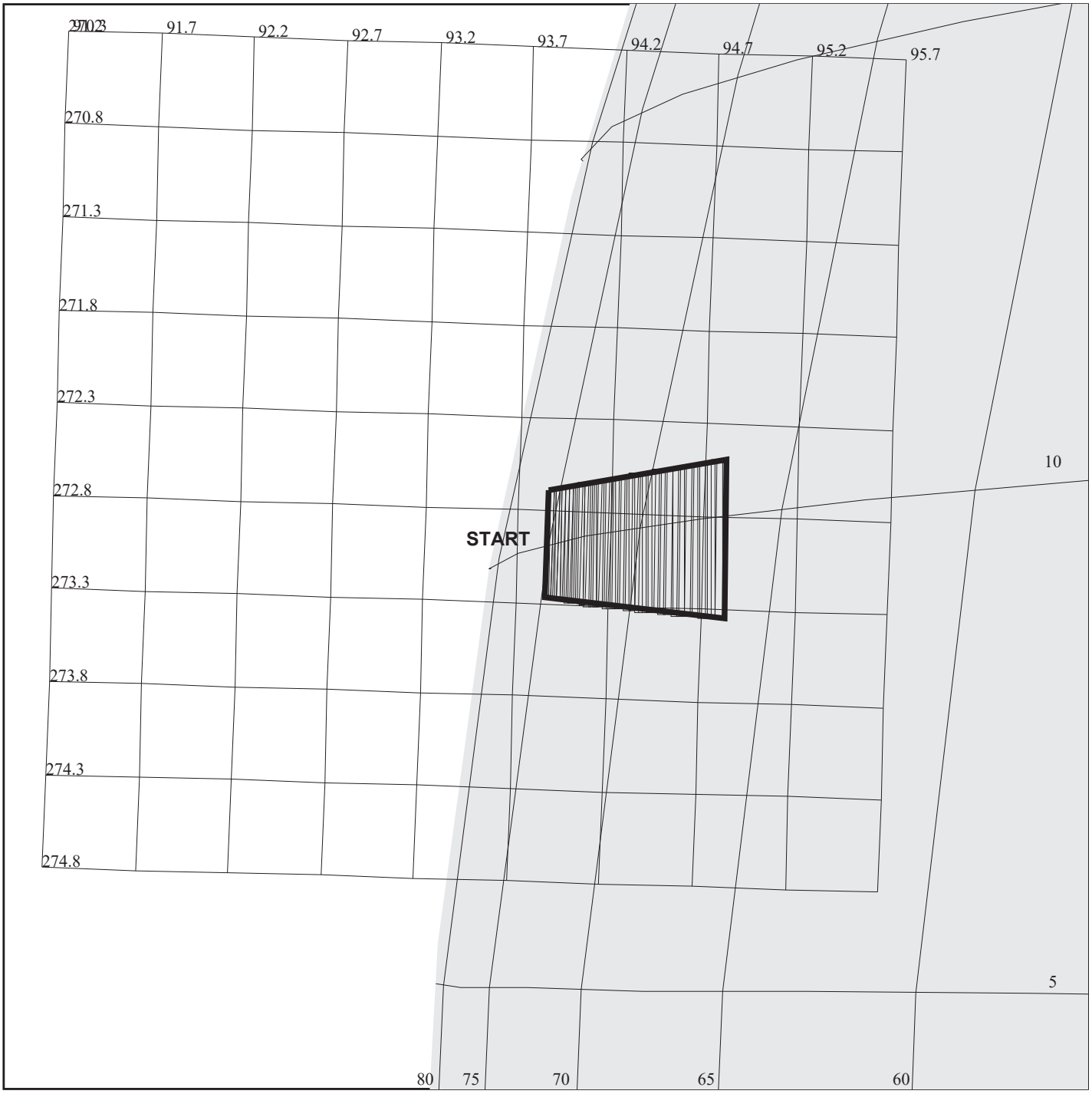
Data Returned

Design Detail

Instrument mode: LM
Gain State: 4

Full Map (FM), Gain 4, Grating Start 0, MPW, CFM221, CFM24

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165DC:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/1697 TC= 1(10 75)
A= 364 pD= 902 SR=17.450 RA50= 36.25 DEC50= 18.57 cone= 93.86 clock=272.94
117DC:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1697
1:#s= 1 Cs= 8.80 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 902 rD= 30

10CNPALIMP01

DESIGN G3.2 lisac: 9/26/1997 12:29:37

FILE:P.10CNPALIMP01

TARGET BODY : CALLISTO

MINI:m.10CNPALIMP01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 1**

START:CTE 97-260/00:19:22.733 +CDS 10:00:0 **BODY PLOT TIME:TARGET-TIME D= 902 S= 8.000**

OBSERVATION:10CNPALIMP01 **DESCRIP:VALHALLA PALIMPEST SPECTROSCOPY**

Valhalla Palimpsest Spectroscopy ACTIVITY ID: 10CNPALIMP01-
START TIME: 97-260/00:27:28.066

Activity ID: Orbit 10 Target C Inst N OAPEL PALIMP SeqNo 01 -

Title	Valhalla Palimpsest Spectroscopy		Instrument		NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CTE+CDS 8:00:0	97-260/00:27:28.066		CTE+000/00:08:05.333	
End	CTE+CDS 00000015:00:0	97-260/00:34:32.733		CTE+000/00:15:10.000	
Duration	00000007:00:0	000/00:07:04.667		000/00:07:04.667	

Top Label	10CNPALIMP01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	175	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To obtain the highest combined spectral and spatial resolution data of Valhalla's palimpsest. Investigate mineralogy, albedo and composition of Callisto's C9 largest

Data Returned

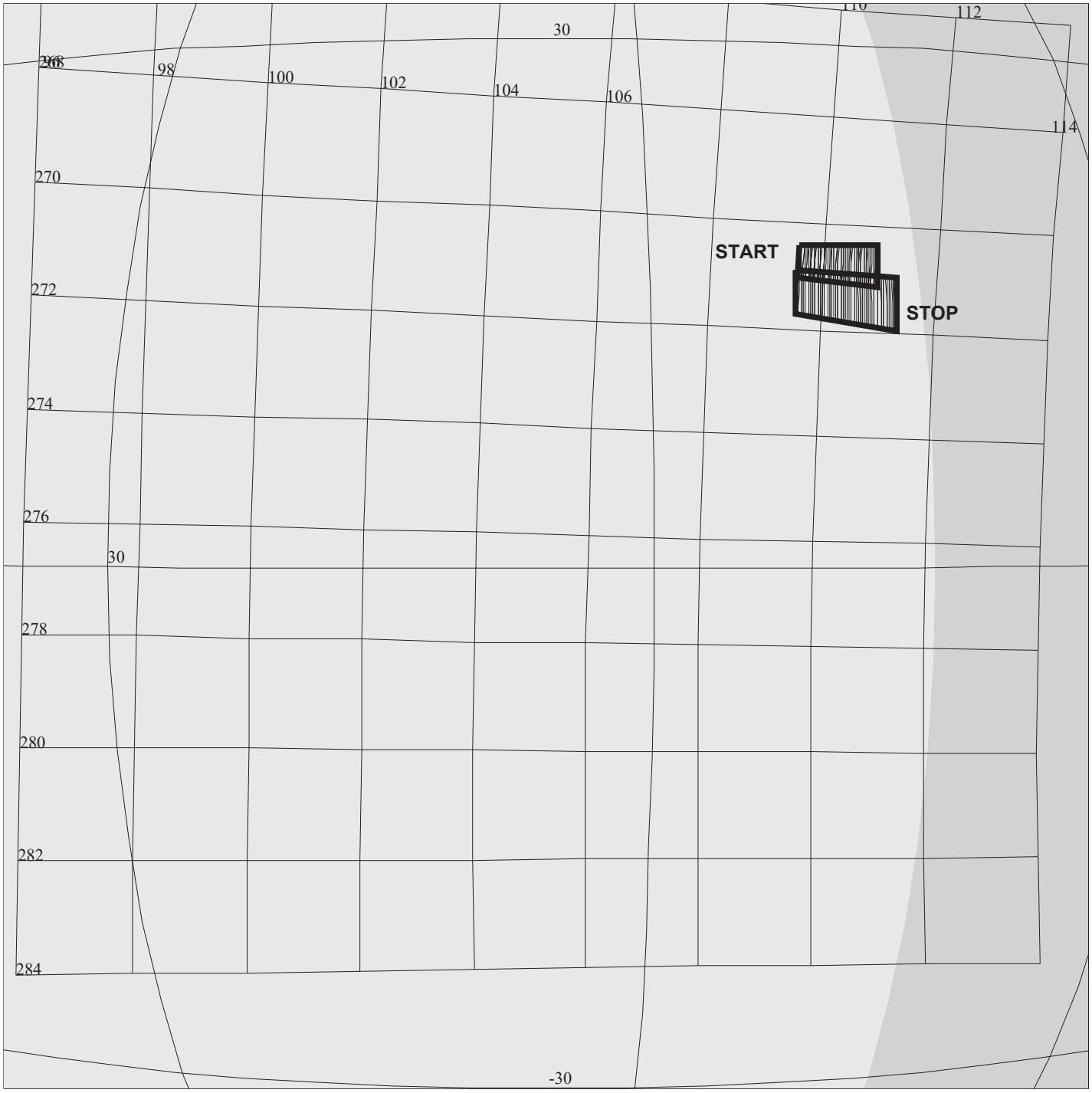
Design Detail

Record Mode: LPU
Instrument mode: LM
Spatial resolution: 0.342 km/nimsel
Instrument gain state: 2
Specrtral resolution: 204 wavelengths
Phase angle: 14.79
Coverage in nimsels:
Bits-to-Ground: 4.4 mbits

Specified area targetting, one scan, NYQUIST scan rate

Long Map (LM), Gain 4, Grating Start 0, MPW, CLM442, CLM360

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165DD:TT= 0 TMC= 1 C= -2.75 XC= 0.00 BS= 0/3153 TC= 1(16.5 351)
A= 182 pD= 1986 SR=17.450 RA50= 20.40 DEC50= 14.14 cone=109.55 clock=270.74
117DD:#SB= 1 OR= 0.060 RR=12.000 BM=F RC= 1 BS= 0/3153
1:#s= 2 Cs= 19.00 XCs= 0.00 Cr= -19.00 XCr= 7.00 sD= 978 rD= 30

10CNSMTHPL01

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNSMTHPL01

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:CTE 97-260/00:19:22.733 +CDS 18:00:0

BODY PLOT TIME:TARGET-TIME D= 1986 S= 1.500

OBSERVATION:10CNSMTHPL01

DESCRIP:CALLISTO SMOOTH PLANE COVERAGE

Callisto Smooth Plain — ACTIVITY ID: 10CNSMTHPL01- / START TIME: 97-260/00:35:33.399

Activity ID: Orbit 10 Target C Inst N OAPEL SMTHPL SeqNo 01 -

Title	Callisto Smooth Plain			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CTE+CDS 00000016:00:0	97-260/00:35:33.399		CTE+000/00:16:10.666	
End	CTE+CDS 00000030:00:0	97-260/00:49:42.733		CTE+000/00:30:20.000	
Duration	00000014:00:0	000/00:14:09.334		000/00:14:09.334	

Top Label	10CNSMTHPL01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	175	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To obtain compositional information over smooth plain region. This area could possibly be due to volcanic flow/upwelling of subsurface material.

Data Returned

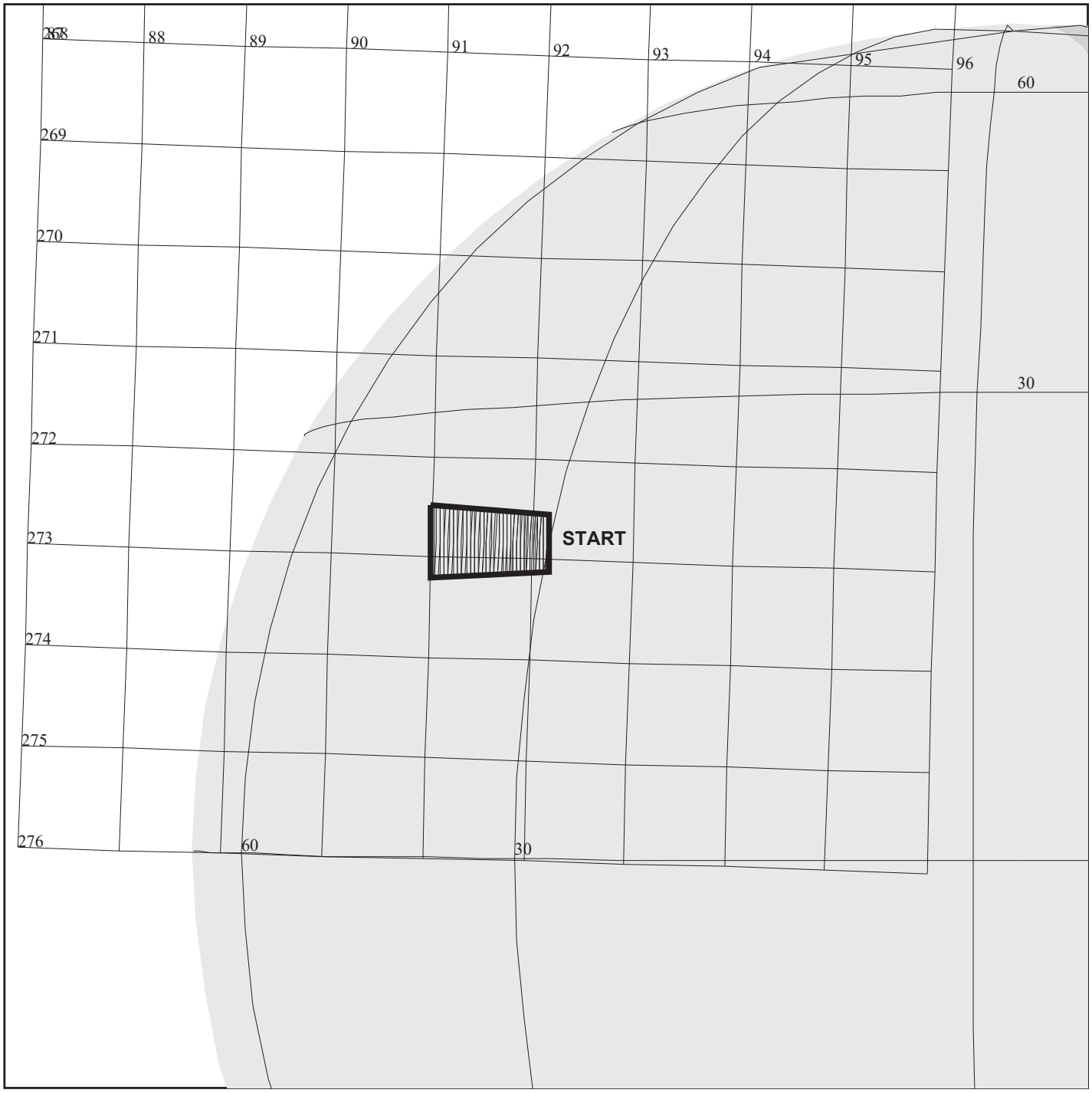
Design Detail

Record Mode: MPW
Instrument mode: FM
Scan Rate:
Resolution: Approximately 5 KM
Gain State: 4
Spectral Resolution: 204 wavelengths
Phase angle: 76.48
Coverage in nimsels:
Bits-to-Ground: 4.4 mbits

Two scans, Nyquist sampling.

Full Map (FM), Gain 4, Grating Start 0, MPW, CFM221, CFM180

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165DE:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/6065 TC= 1(20 30)
A= 364 pD= 1618 SR=17.450 RA50= 37.89 DEC50= 19.28 cone= 92.16 clock=272.83
117DE:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/6065
1:#s= 1 Cs= -16.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1618 rD= 30

10CNVALHAL01

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNVALHAL01

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:CTE 97-260/00:19:22.733 +CDS 34:00:0

BODY PLOT TIME:TARGET-TIME D= 1618 S= 1.500

OBSERVATION:10CNVALHAL01

DESCRIP:VALHALLA BASIN/RINGS OBSERVATION

Valhalla Basin/Rings Observation ACTIVITY ID: 10CNVALHAL01-
START TIME: 97-260/00:50:43.399

Activity ID: Orbit 10 Target C Inst N OAPEL VALHAL SeqNo 01 -

Title	Valhalla Basin/Rings Observation			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CTE+CDS 00000031:00:0	97-260/00:50:43.399		CTE+000/00:31:20.666	
End	CTE+CDS 00000043:00:0	97-260/01:02:51.399		CTE+000/00:43:28.666	
Duration	00000012:00:0	000/00:12:08.000		000/00:12:08.000	

Top Label	10CNVALHAL01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	178	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To obtain detailed - highest resolution, spatially and spectrally, data of Valhalla's ring structure, to determine the composition of material at the ring scarp bases and to investigate minor constituents.

Data Returned

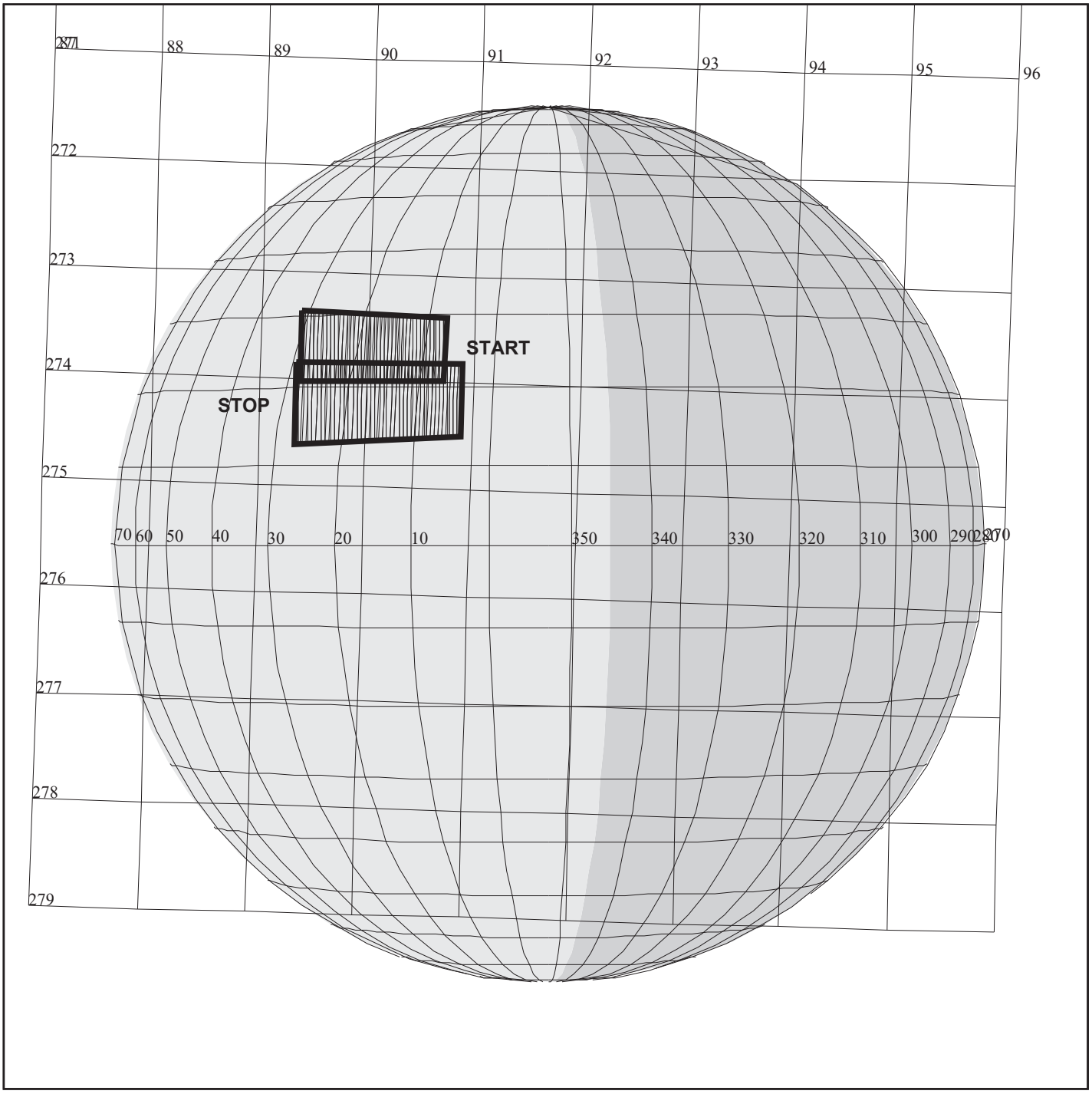
Design Detail

Record Mode: LPU
Instrument mode: LM
Spatially resolution: 6.764 km/nimsel
Instrument gain state: 4
Spectral resolution: 204 wavelengths
Phase angle: 76.48
Coverage in nimsels:
Bits-to-Ground: 4.4 mbits

Specified area targetting, one scan, NYQUIST scan rate.

Long Map (LM), Gain 4, Grating Start 0, LPU, CLM243C, CLM228C

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165DF:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/2435 TC= 1(25 7)
A= 728 pD= 4074 SR=17.450 RA50= 39.63 DEC50= 19.00 cone= 90.72 clock=273.69
117DF:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/2435
1:#s= 2 Cs= -20.00 XCs= 0.00 Cr= 22.00 XCr= 7.00 sD= 2022 rD= 30

10CNCATENA01

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNCATENA01

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:CTE 97-260/00:19:22.733 +CDS 69:00:0

BODY PLOT TIME:TARGET-TIME D= 4074 S= 0.800

OBSERVATION:10CNCATENA01

DESCRIP:GIPUL CATENA COVERAGE

GIPUL Catena Coverage

ACTIVITY ID: 10CNCATENA01-
START TIME: 97-260/01:24:05.399

Activity ID: Orbit 10 Target C Inst N OAPEL CATENA SeqNo 01 -

Title	GIPUL Catena Coverage			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/17/97 Week 38
Start	CTE+CDS 00000064:00:0	97-260/01:24:05.399	CTE+000/01:04:42.666
End	CTE+CDS 00000098:00:0	97-260/01:58:28.066	CTE+000/01:39:05.333
Duration	00000034:00:0	000/00:34:22.667	000/00:34:22.667

Top Label 10CNCATENA01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	147	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To determine the composition of Callisto's longest crater chain, investigate compositional differences with surrounding surface look for minor constituents.

Data Returned

Design Detail

Record Mode: LPU
Instrument mode: LM
Spatial resolution: 13.25 km/nimsel
Instrument gain state: 4
Spectral resolution: 204 wavelengths
Phase angle: 81. 89
Coverage in nimsels:
Bits-to-Ground 2.62 mbits

Target to specified longitude and latitude to scan in 4 swaths across GIPUL CATENA. NYQUIST SAMPLING, 20% overlap between scans.

Long Map (LM), Gain 4, Grating Start 0, LPU, CLM243C, CLM228C

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95

C10 Callisto C/A moveable block — ACTIVITY ID: 10CXMOVBLK02
START TIME: 97-260/05:26:45.399

Activity ID: Orbit 10 Target C Inst X OAPEL MOVBLK SeqNo 02

Title	C10 Callisto C/A moveable block			Instrument	
Requestor	NIMS-SWG/J.CULWELL	Team	RSSG	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CTE+CDS 00000304:00:0	97-260/05:26:45.399		CTE+000/05:07:22.666	
End	CTE+CDS 00000309:00:0	97-260/05:31:48.733		CTE+000/05:12:26.000	
Duration	00000005:00:0	000/00:05:03.334		000/00:05:03.334	

Top Label
Bottom Label

Plot Key	MSNEV1	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	Yes

Observation Objective

Reserve time to move the callisto c/a observations to be centered on C/A

Design Detail

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95

NIMS Software Reload

ACTIVITY ID: 10NNRELOAD01-
START TIME: 97-260/05:56:04.733

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 01 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-SWG/A. OCAMPO	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CEE+CDS 00000333:00:0	97-260/05:56:04.733		CEE+000/05:36:42.000	
End	CEE+CDS 00000343:00:0	97-260/06:06:11.399		CEE+000/05:46:48.666	
Duration	00000010:00:0	000/00:10:06.666		000/00:10:06.666	

Top Label	10NNRELOAD01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

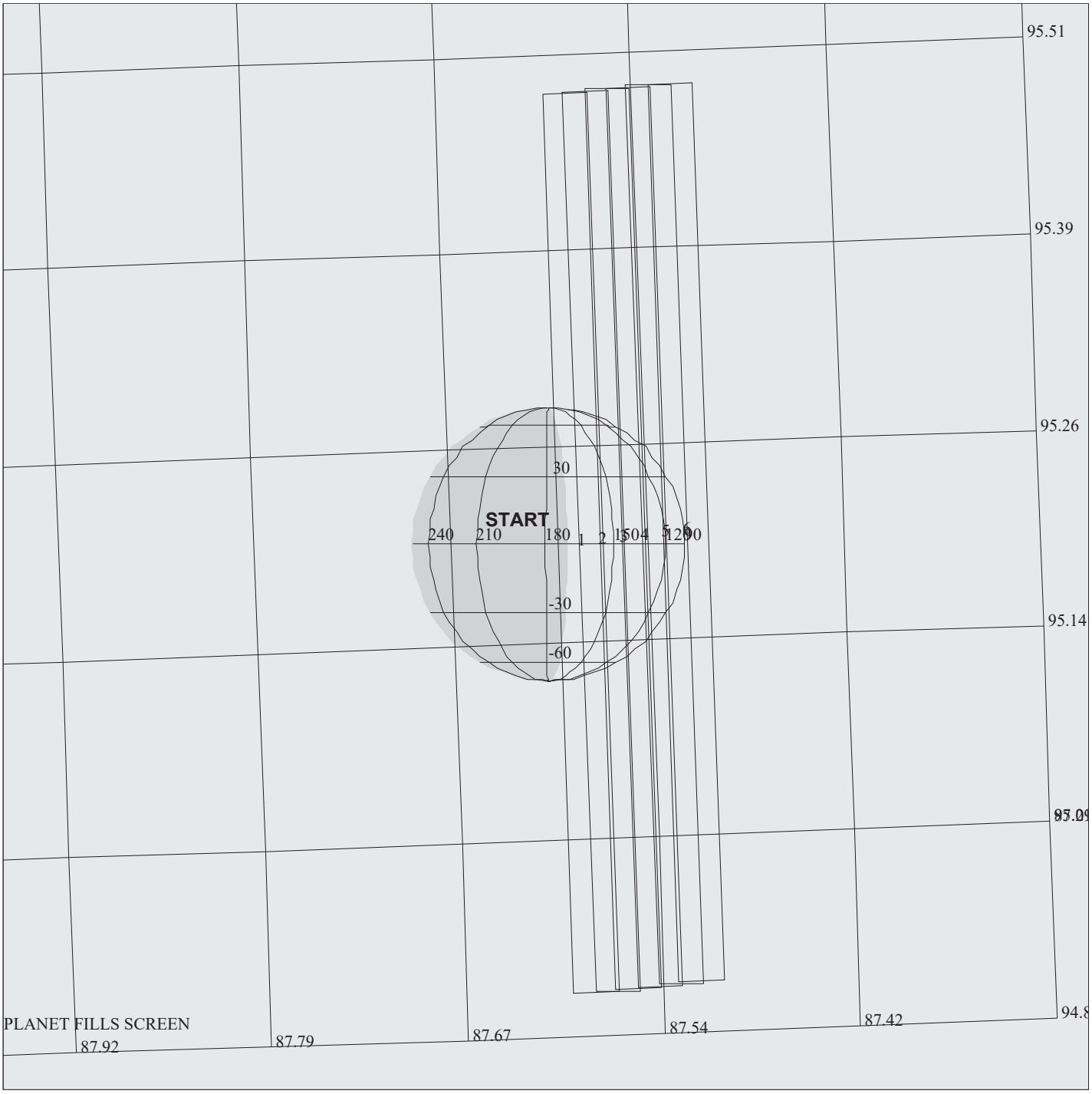
Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

Galileo Activity Plan Form 08/20/97 15:06:37 rev 6/95



165FZ:TT= 0 TMC= 1 C= -0.34 XC= 0.00 BS= 0/5215 TC= 3
A= 728 pD= 0 SR=17.450 RA50=218.52 DEC50=-16.98 cone= 87.59 clock= 95.20
117FZ:#SB= 1 OR= 0.010 RR=12.000 BM=F RC= 1 BS= 0/5215
1:#s= 1 Cs= -3.60 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 1092 rD= 2

10ENEUR15_01

DESIGN G3.2 lisac: 9/30/1997 11: 1:11

FILE:P.10ENEUR15_01

TARGET BODY : EUROPA

MINI:m.10ENEUR15_01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 7**

START:EEE 97-262/05:20:19.933 -CDS 2787:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.250**

OBSERVATION:10ENEUR15_01 **DESCRIP:EUROPA**

NIMS Euroa Observation

ACTIVITY ID: 10ENEUR15_01-
START TIME: 97-260/06:17:18.600

Activity ID: Orbit 10 Target E Inst N OAPEL EUR15_ SeqNo 01 -

Title	NIMS Euroa Observation			Instrument	NIMS
Requestor	NIMS-SWG/A. OCAMPO	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/17/97 Week 38
Start	EEE-CDS 00002792:00:0	97-260/06:17:18.600	EEE-001/23:03:01.333
End	EEE-CDS 00002769:00:0	97-260/06:40:33.933	EEE-001/22:39:46.000
Duration	00000023:00:0	000/00:23:15.333	000/00:23:15.333

Top Label 10ENEUR15_01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is designed to observed Europa beyond 15Rj in Real-Time, to reduce Jupiter radiation environment.

Data Returned

Design Detail

Inst. Mode = LM,
Wavelength return = 102,
Gain State = 4,
Record Mode = LPU.

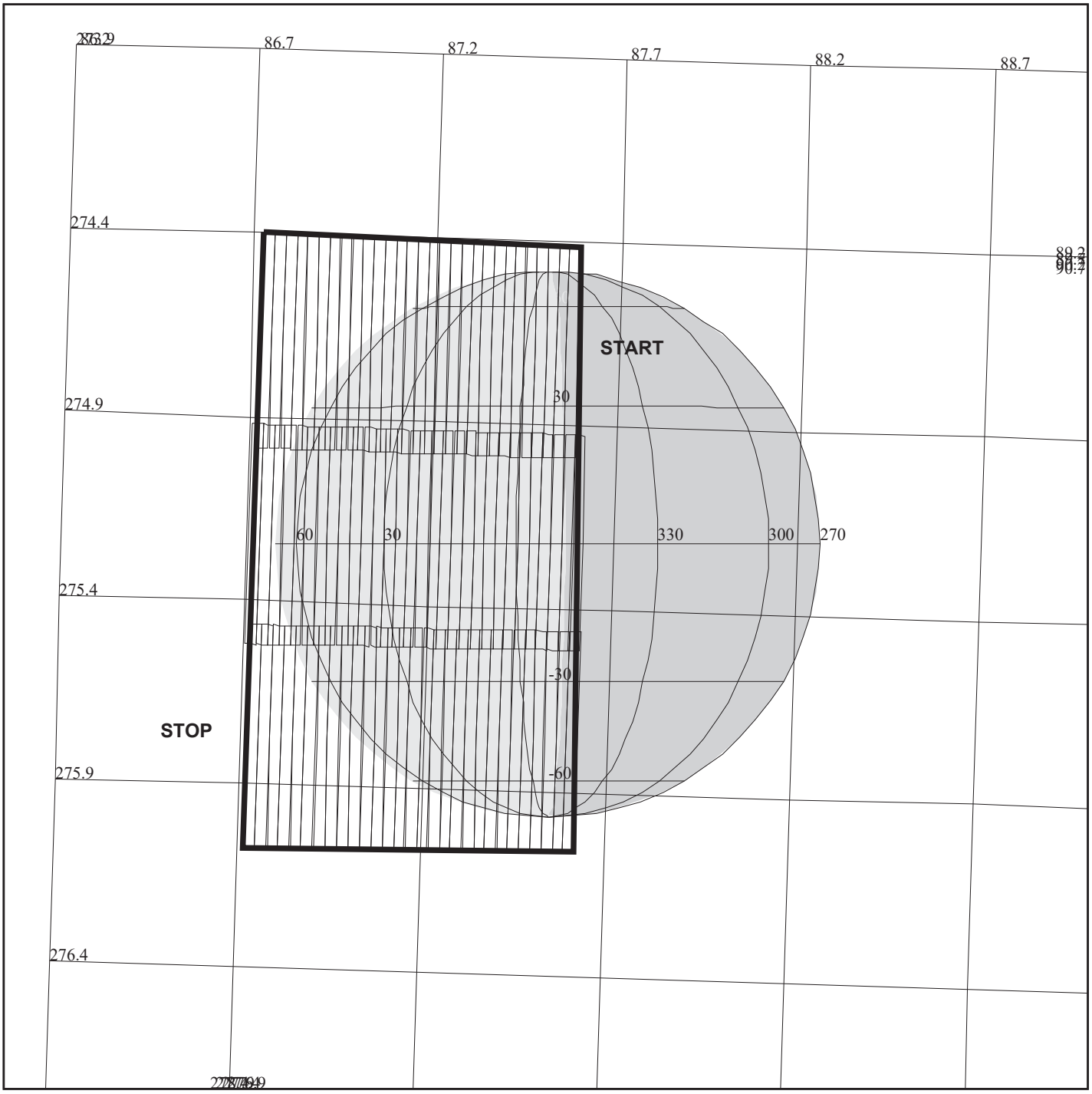
Approximately 4 RIMS of targetting and approximately 16 RIMS of slewing.

Mirror Blocked (1B,1B) (11011,11011)

First 7 Rims slew across the lit disk of Europa.
The following 7 Rims drift back across Europa.

Long Map (LM), Gain 4, Grating Start 0, R/T, ELMRT102

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DG:TT= 0 TMC= 1 C= 1.00 XC= -9.10 BS= 0/9765 TC= 3
A= 728 pD= 0 SR=17.450 RA50= 43.11 DEC50= 19.05 cone= 87.61 clock=274.75
117DG:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9765
1:#s= 3 Cs= -15.00 XCs= 0.00 Cr= 15.00 XCr= 9.00 sD= 1504 rD= 22

10CNGLOBAL02

TARGET G3.2 lisac: 9/23/1997 11:11: 8

FILE:P.10CNGLOBAL02

TARGET BODY : CALLISTO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:CEE 97-260/00:19:22.733 +CDS 384:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.500**

OBSERVATION:10CNGLOBAL02 **DESCRIP:CALLISTO GLOBAL COVERAGE**

Callisto Global Coverage

ACTIVITY ID: 10CNGLOBAL02-
START TIME: 97-260/06:42:35.399

Activity ID: Orbit 10 Target C Inst N OAPEL GLOBAL SeqNo 02 -

Title	Callisto Global Coverage			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/17/97 Week 38
Start	CEE+CDS 00000379:00:0	97-260/06:42:35.399		CEE+000/06:23:12.666	
End	CEE+CDS 00000410:00:0	97-260/07:13:56.066		CEE+000/06:54:33.333	
Duration	00000031:00:0	000/00:31:20.667		000/00:31:20.667	

Top Label 10CNGLOBAL02-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	190	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

The objective is to obtain the best combined spatial and spectral resolution data over all lit longitudes and latitudes, to investigate surface mineralogy and to determine the distribution of compositional units.

Data Returned

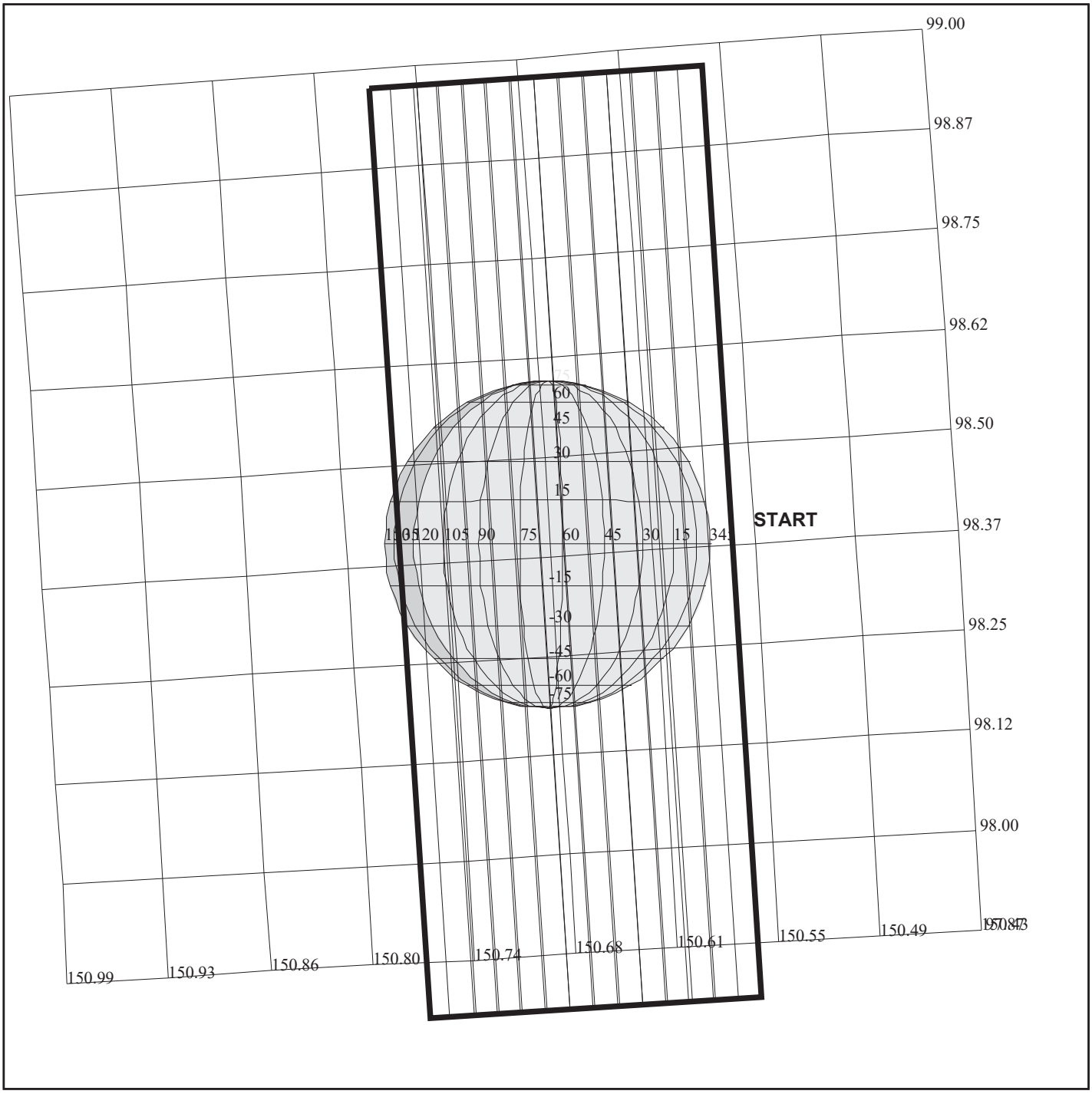
Design Detail

Record Mode: LPU
Instrument mode: LM
Spatial resolution: 100 km/nimsel
Instrument gain state: 4
Spectral resolution: 228 wavelengths
Phase angle: 85.56
Coverage in nimsels:
Bits-to-Ground: 3.5 mbits

Continuous slew mosaic, covering all lit longitudes and latitudes
at 6 hrs after C/A.
20% overlap between swaths, 3 swaths to cover lit surface, NYQUIST scan rate.

Long Map (LM), Gain 4, Grating Start 0, LPU, CLM243C, CLM228C

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DJ:TT= 0 TMC= 1 C= -1.85 XC= 0.00 BS= 0/0217 TC= 3
A= 546 pD= 348 SR=17.450 RA50=286.02 DEC50=-24.16 cone=150.57 clock= 98.39
117DJ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/0217
1:#s= 1 Cs= 3.20 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 328 rD= 2

10INCHEMIS01

DESIGN G3.2 lisac: 9/26/1997 9:59:43

FILE:P.10INCHEMIS01

TARGET BODY : IO

MINI:m.10INCHEMIS01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 -CDS 1240:00:0

BODY PLOT TIME:TARGET-TIME D= 348 S= 0.300

OBSERVATION:10INCHEMIS01

DESCRIP:MONITORING OF IO'S DAYSIDE

MONITORING OF IO'S DAYSIDE

ACTIVITY ID: 10INCHEMIS01-
START TIME: 97-261/07:46:06.600

Activity ID: Orbit 10 Target I Inst N OAPEL CHEMIS SeqNo 01 -

Title	MONITORING OF IO'S DAYSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	IEE-CDS 00001244:00:0	97-261/07:46:06.600	IEE-000/20:57:49.333
End	IEE-CDS 00001237:00:0	97-261/07:53:11.267	IEE-000/20:50:44.666
Duration	00000007:00:0	000/00:07:04.667	000/00:07:04.667

Top Label 10INCHEMIS01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	180	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Dayside monitoring covering wide range of longitudes to look for chemical changes (e.g. SO2 distribution) at resolutions better than ~800 km/nimsel (most observations will have resolutions between 120 and 400 km/nimsel).

Data Returned

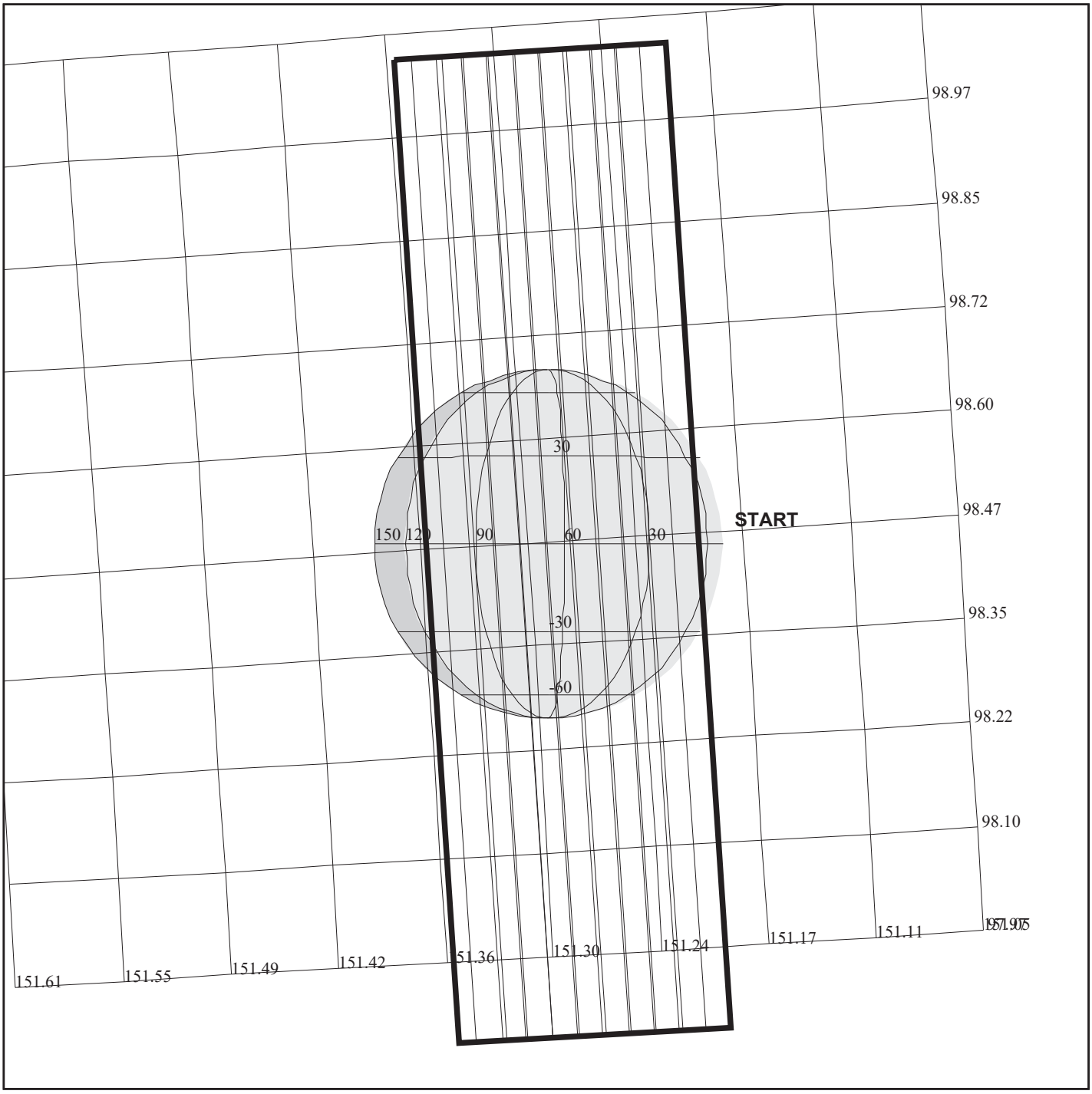
Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G2, C3, E4, E6 and E10 where resolution for lit disk is best.

Long map, 228 wavelengths.
Tracks used per orbit: 0.05 to 0.42.
Bits To Ground per orbit: 0.3 to 2.2 Mbits.

Long Map (LM), Gain 2, Grating Start 0, LPU, ILM243C, ILM228C

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DK:TT= 0 TMC= 1 C= -1.40 XC= 0.00 BS= 0/1673 TC= 3
A= 546 pD= 248 SR=17.450 RA50=286.72 DEC50=-24.07 cone=151.21 clock= 98.47
117DK:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1673
1:#s= 1 Cs= 2.40 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 248 rD= 30

10INCHEMIS08

DESIGN G3.2 lisac: 9/26/1997 10:21:49

FILE:P.10INCHEMIS08

TARGET BODY : IO

MINI:m.10INCHEMIS08

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 -CDS 1232:00:0

BODY PLOT TIME:TARGET-TIME D= 248 S= 0.320

OBSERVATION:10INCHEMIS08

DESCRIP:MONITORING OF IO'S NIGHTSIDE

MONITORING OF IO'S DAYSIDE

ACTIVITY ID: 10INCHEMIS08-
START TIME: 97-261/07:54:11.933

Activity ID: Orbit 10 Target I Inst N OAPEL CHEMIS SeqNo 08 -

Title	MONITORING OF IO'S DAYSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	IEE-CDS 00001236:00:0	97-261/07:54:11.933	IEE-000/20:49:44.000
End	IEE-CDS 00001230:20:0	97-261/08:00:02.600	IEE-000/20:43:53.333
Duration	00000005:71:0	000/00:05:50.667	000/00:05:50.667

Top Label 10INCHEMIS01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	156	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Dayside monitoring covering wide range of longitudes to look for chemical changes (e.g. SO2 distribution) at resolutions better than ~800 km/nimsel (most observations will have resolutions between 120 and 400 km/nimsel).

Data Returned

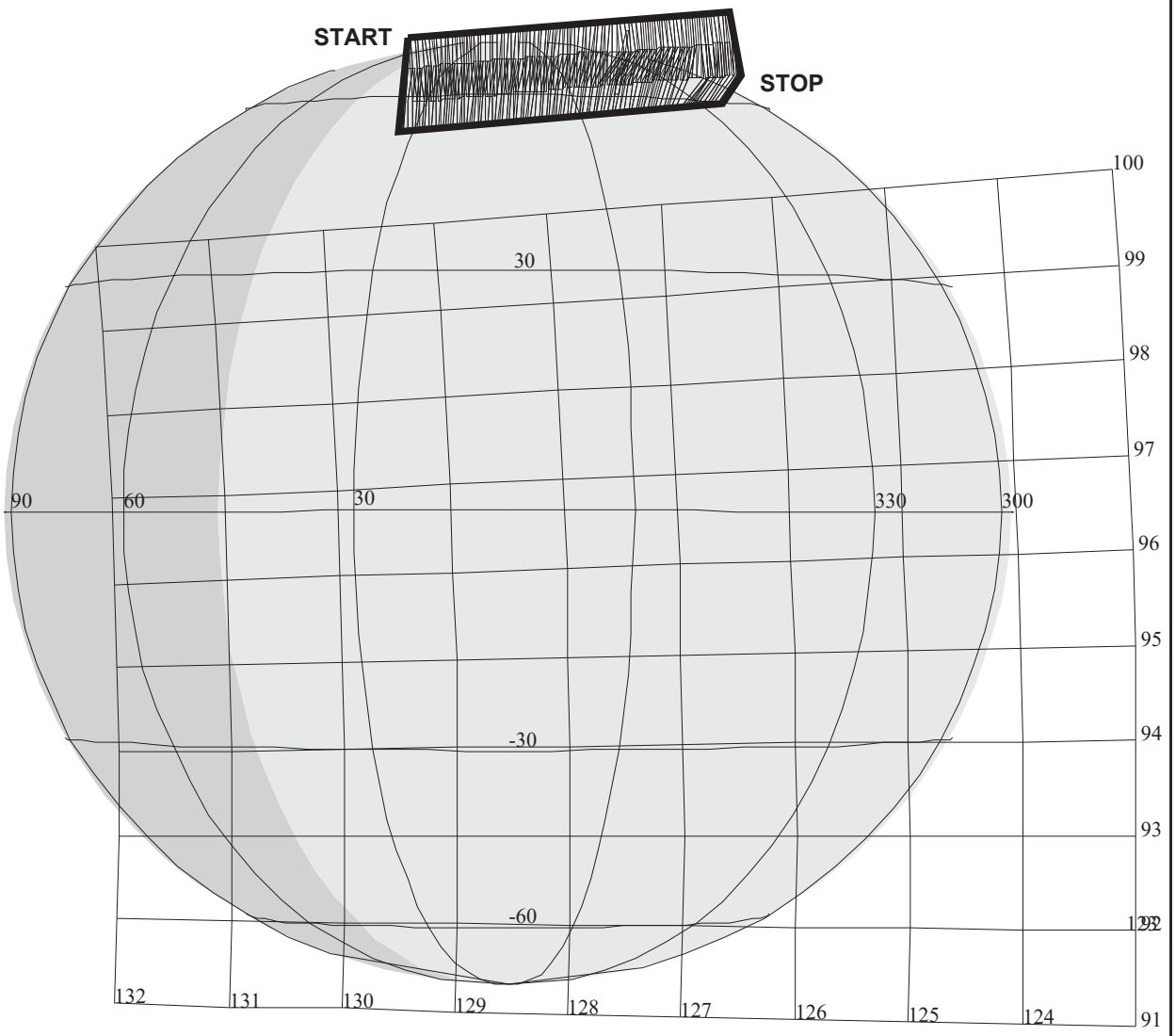
Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G2, C3, E4, E6 and E10 where resolution for lit disk is best.

Long map, 228 wavelengths.
Tracks used per orbit: 0.05 to 0.42.
Bits To Ground per orbit: 0.3 to 2.2 Mbits.

Long Map (LM), Gain 2, Grating Start 0, MPW, ILM442M, ILM228

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DL:TT= 0 TMC= 1 C= 29.00 XC= 4.00 BS= 0/6587 TC= 1(65 350)
A= 546 pD= 0 SR=17.450 RA50=262.82 DEC50=-21.23 cone=129.09 clock=101.75
117DL:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/6587
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -4.00 sD= 1200 rD= 40

10JNNPOLEM06

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPOLEM06

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 875:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNNPOLEM06 **DESCRIP:Jupiter_North_Pole_Map_pt_**

Jupiter North Pole Map prt 6 ACTIVITY ID: 10JNNPOLEM06-
START TIME: 97-261/08:21:29.933

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 06 -

Title	Jupiter North Pole Map prt 6			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000879:00:0	97-261/08:21:29.933	JEE-000/14:48:46.000
End	JEE-CDS 00000861:00:0	97-261/08:39:41.933	JEE-000/14:30:34.000
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNNPOLEM06-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 350 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 350 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD02-
START TIME: 97-261/09:08:00.600

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 02 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date	09/18/97	Week 38
Start	JEE-CDS 00000833:00:0	97-261/09:08:00.600		JEE-000/14:02:15.333	
End	JEE-CDS 00000823:00:0	97-261/09:18:07.267		JEE-000/13:52:08.666	
Duration	00000010:00:0	000/00:10:06.667		000/00:10:06.667	

Top Label	10NNRELOAD02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

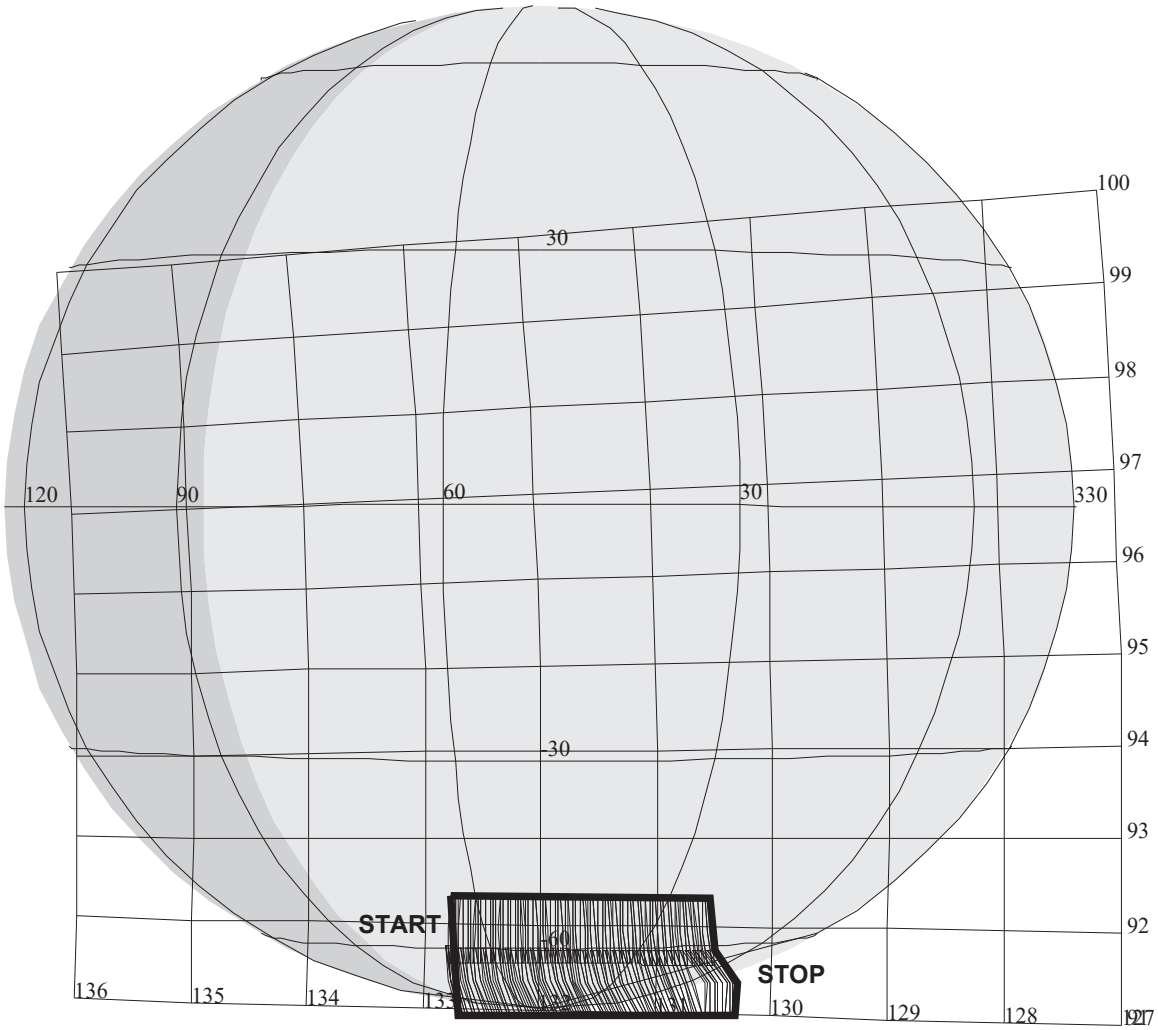
Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DM:TT= 0 TMC= 1 C= 35.00 XC= 5.00 BS= 0/8599 TC= 1(-65 15)
A= 546 pD= 0 SR=17.450 RA50=266.33 DEC50=-28.88 cone=132.78 clock= 91.92
117DM:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8599
1:#s= 2 Cs= -36.40 XCs= 0.00 Cr= 40.00 XCr= -8.00 sD= 1000 rD= 60

10JNSPOLEM08

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM08

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 809:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM08

DESCRIP:Jupiter_South_Pole_Map_pt_8

Jupiter South Pole Map prt 8 ACTIVITY ID: 10JNSPOLEM08-
START TIME: 97-261/09:28:13.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 08 -

Title	Jupiter South Pole Map prt 8	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000813:00:0	97-261/09:28:13.933	JEE-000/13:42:02.000
End	JEE-CDS 00000797:00:0	97-261/09:44:24.600	JEE-000/13:25:51.333
Duration	00000016:00:0	000/00:16:10.667	000/00:16:10.667

Top Label 10JNSPOLEM08-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 15 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

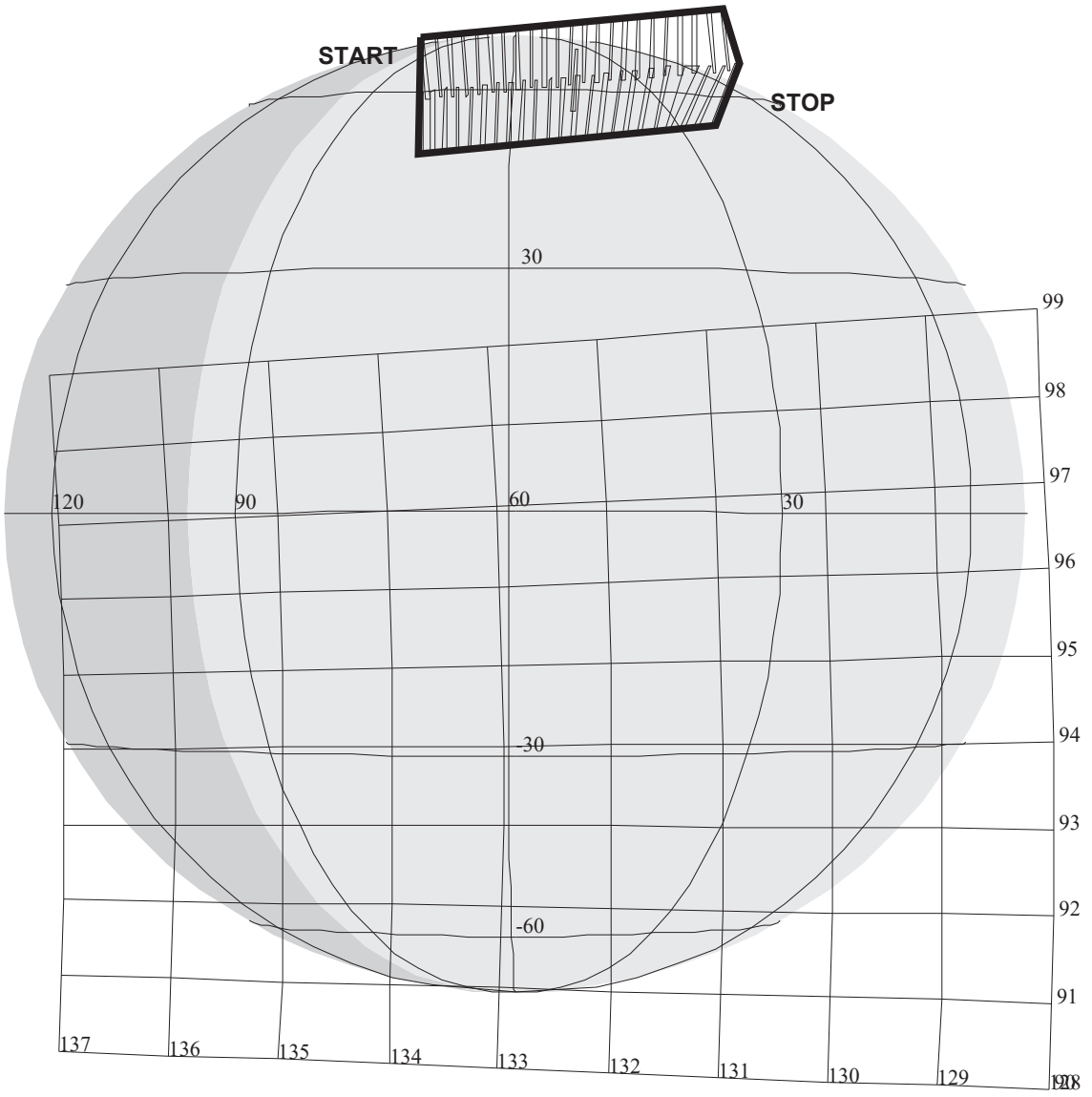
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 15 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DN:TT= 0 TMC= 1 C= 30.00 XC= 4.00 BS= 0/1511 TC= 1(65 35)
A= 546 pD= 0 SR=17.450 RA50=267.46 DEC50=-21.18 cone=133.38 clock=102.54
117DN:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/1511
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -8.00 sD= 1200 rD= 40

10JNNPOLEM01

DESIGN G3.2 lisac: 9/26/1997 12:25:12

FILE:P.10JNNPOLEM01

CENTRAL BODY:JUPITER III

MINI:m.10JNNPOLEM01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 793:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNNPOLEM01 **DESCRIP:Jupiter_North_Pole_Map_pt_1**

Jupiter North Pole Map prt 1 — ACTIVITY ID: 10JNNPOLEM01-
START TIME: 97-261/09:44:24.600

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 01 -

Title	Jupiter North Pole Map prt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000797:00:0	97-261/09:44:24.600	JEE-000/13:25:51.333
End	JEE-CDS 00000779:00:0	97-261/10:02:36.600	JEE-000/13:07:39.333
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNNPOLEM01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 35 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (Note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

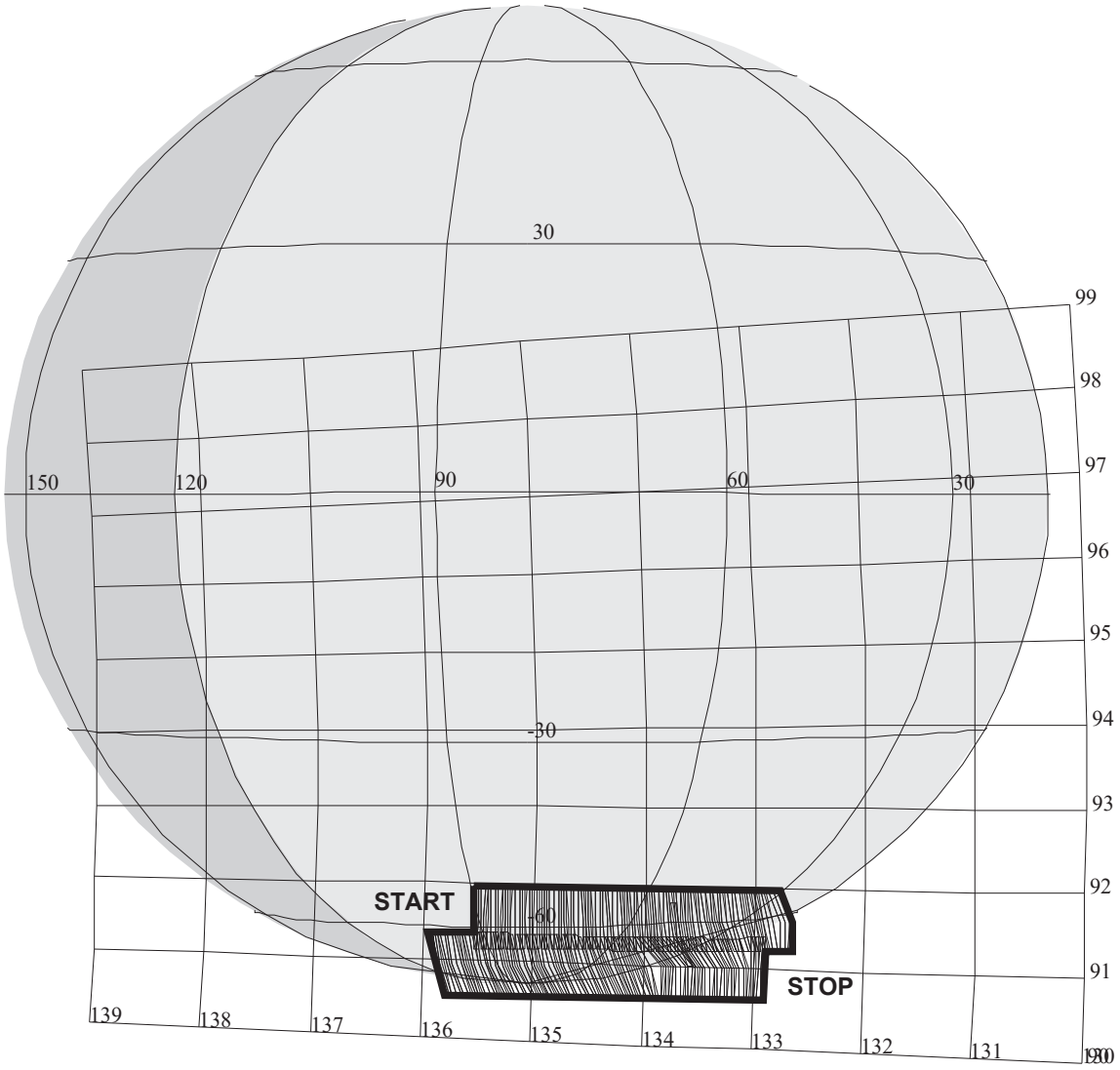
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 35 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:38 rev 6/95



165DO:TT= 0 TMC= 1 C= 22.00 XC= 4.00 BS= 0/8609 TC= 1(-65 60)
A= 546 pD= 0 SR=17.450 RA50=269.50 DEC50=-29.08 cone=135.55 clock= 91.57
117DO:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8609
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 55.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 754:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNSPOLEM01 **DESCRIP:Jupiter_South_Pole_Map_pt_1**

Jupiter South Pole Map prt 1 — ACTIVITY ID: 10JNSPOLEM01-
START TIME: 97-261/10:23:50.600

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 01 -

Title	Jupiter South Pole Map prt 1			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000758:00:0	97-261/10:23:50.600		JEE-000/12:46:25.333	
End	JEE-CDS 00000740:00:0	97-261/10:42:02.600		JEE-000/12:28:13.333	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label 10JNSPOLEM010
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 60 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

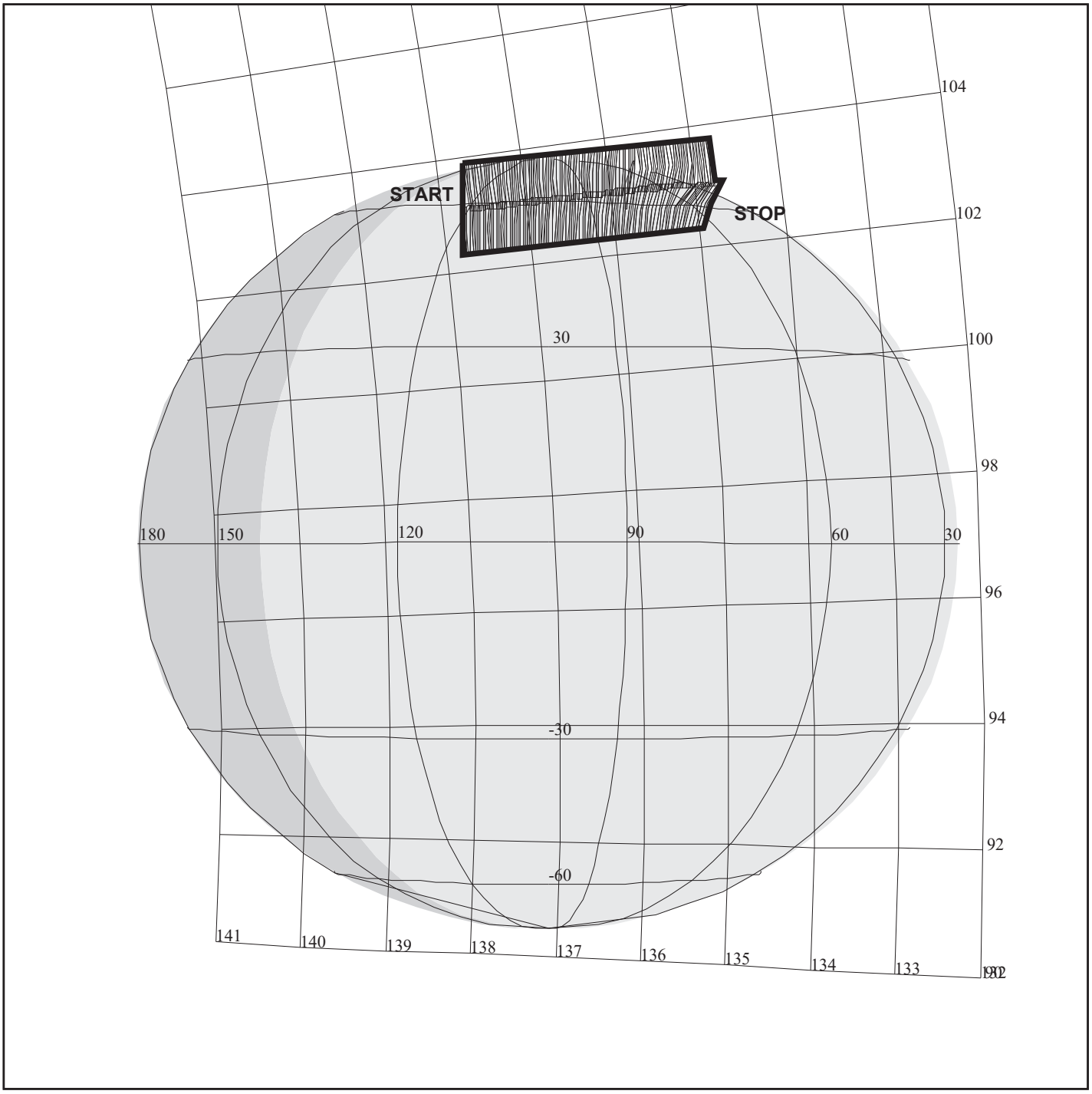
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 60 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DP:TT= 0 TMC= 1 C= 30.00 XC= 4.00 BS= 0/4979 TC= 1(65 80)
A= 546 pD= 0 SR=17.450 RA50=272.12 DEC50=-20.98 cone=137.68 clock=103.47
117DP:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/4979
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -8.00 sD= 1200 rD= 40

10JNNPOLEM02

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPOLEM02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 719:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNNPOLEM02

DESCRIP:Jupiter_North_Pole_Map_pt_2

Jupiter North Pole Map prt 2 — ACTIVITY ID: 10JNNPOLEM02-
START TIME: 97-261/10:59:13.933

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 02 -

Title	Jupiter North Pole Map prt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000723:00:0	97-261/10:59:13.933	JEE-000/12:11:02.000
End	JEE-CDS 00000705:00:0	97-261/11:17:25.933	JEE-000/11:52:50.000
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNNPOLEM02-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 80 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (Note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

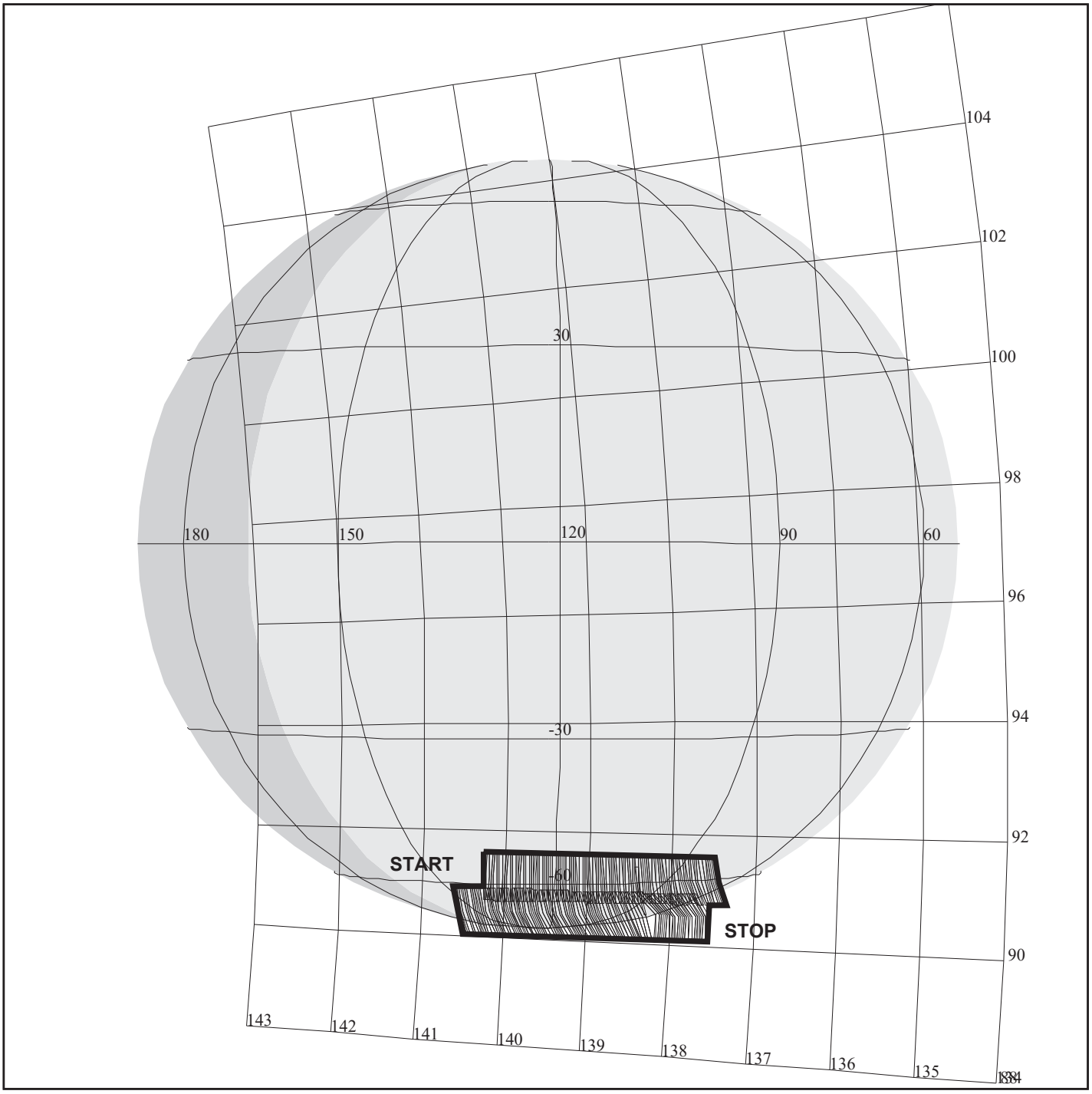
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 80 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DQ:TT= 0 TMC= 1 C= 25.00 XC= 4.00 BS= 0/2077 TC= 1(-65 105)
A= 546 pD= 0 SR=17.450 RA50=274.90 DEC50=-29.08 cone=140.26 clock= 91.13
117DQ:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/2077
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 55.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM02

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 680:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM02

DESCRIP:Jupiter_South_Pole_Map_pt_2

Jupiter South Pole Map prt 2 — ACTIVITY ID: 10JNSPOLEM02-
START TIME: 97-261/11:38:39.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 02 -

Title	Jupiter South Pole Map prt 2			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000684:00:0	97-261/11:38:39.933		JEE-000/11:31:36.000	
End	JEE-CDS 00000666:00:0	97-261/11:56:51.933		JEE-000/11:13:24.000	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label	10JNSPOLEM02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 105 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

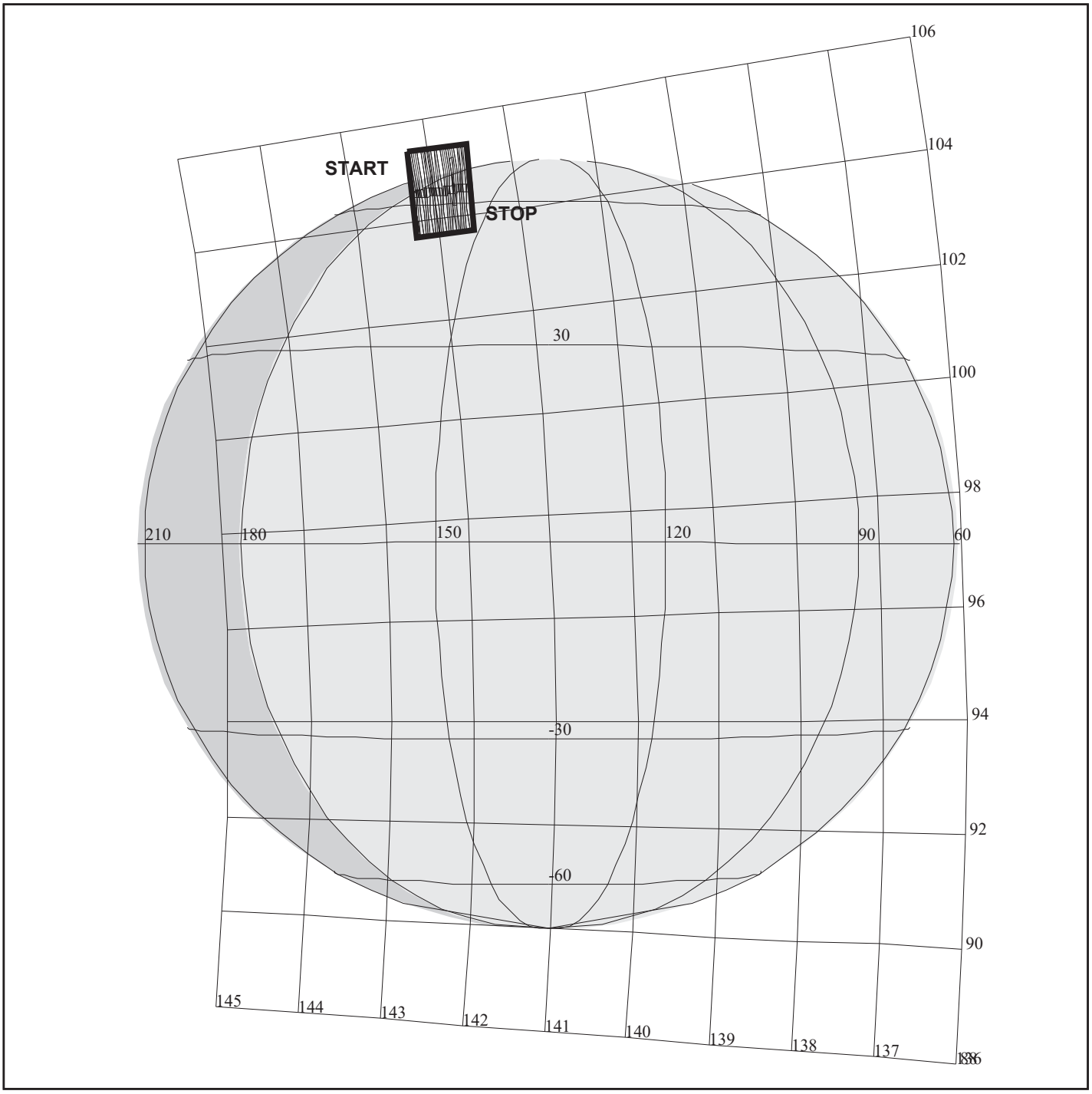
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 105 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DR:TT= 0 TMC= 1 C= 6.00 XC= 4.00 BS= 0/6627 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50=277.08 DEC50=-20.46 cone=142.25 clock=104.93
117DR:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/6627
1:#s= 2 Cs= -10.80 XCs= 0.00 Cr= 12.00 XCr= -8.00 sD= 300 rD= 40

10JNFEA04101

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA04101

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 655:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNFEA04101

DESCRIP:Jup_Fea_trk_41_deg_phase_01

Jupiter Feature Track 41 deg phase pt 1 ACTIVITY ID: 10JNFEA04101-
START TIME: 97-261/12:02:55.933

Activity ID: Orbit 10 Target J Inst N OAPEL FEA041 SeqNo 01 -

Title	Jupiter Feature Track 41 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000660:00:0	97-261/12:02:55.933	JEE-000/11:07:20.000
End	JEE-CDS 00000651:00:0	97-261/12:12:01.933	JEE-000/10:58:14.000
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label	10JNFEA04101-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 41 degrees. Jupiter imaged in 19 colors, using NIMS downlink wavelength table JFT19A. This observation acquired with North Polar Auroral zone feature near the terminator, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

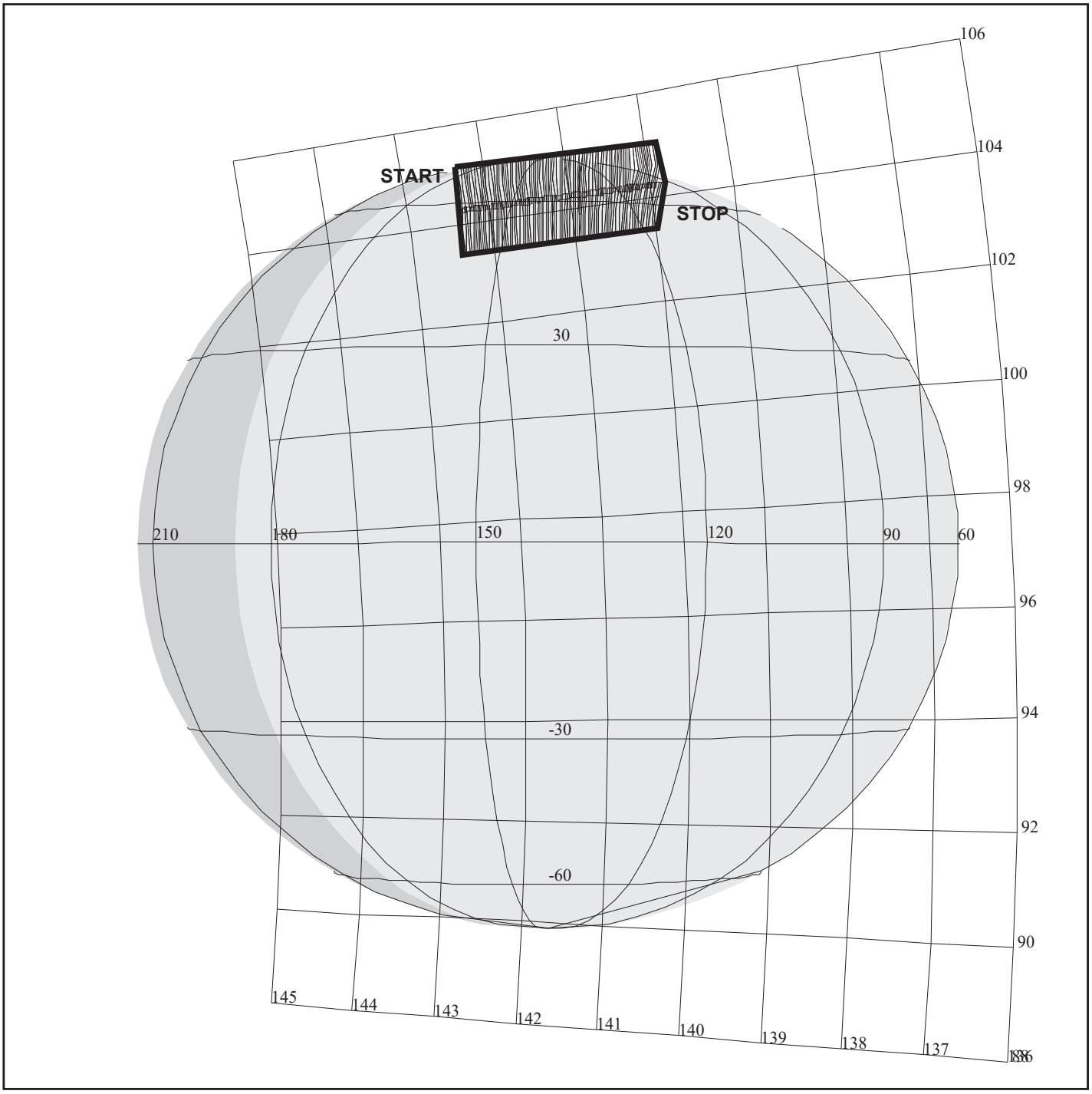
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude.
Spacecraft distance 0.76 million KM,NIMS IFOV (NIMSel) = 380 KM;
1 X 2 mosaic covers 7600 X 13680 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.19762 MBTG in 19 colors, and using 0.00739 tracks.
Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DS:TT= 0 TMC= 1 C= 30.00 XC= 4.00 BS= 0/8447 TC= 1(65 125)
A= 546 pD= 0 SR=17.450 RA50=277.16 DEC50=-20.61 cone=142.34 clock=104.70
117DS:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8447
1:#s= 2 Cs= -37.20 XCs= 0.00 Cr= 41.00 XCr= -8.00 sD= 1018 rD= 40

10JNNPOLEM03

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPOLEM03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 645:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNNPOLEM03

DESCRIP:Jupiter_North_Pole_Map_pt_3

Jupiter North Pole Map prt 3 ACTIVITY ID: 10JNNPOLEM03-
START TIME: 97-261/12:14:03.267

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 03 -

Title	Jupiter North Pole Map prt 3	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000649:00:0	97-261/12:14:03.267	JEE-000/10:56:12.666
End	JEE-CDS 00000631:00:0	97-261/12:32:15.267	JEE-000/10:38:00.666
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNNPOLEM03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 125 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (Note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 125 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95

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NIMS Health Observation No. 1 ACTIVITY ID: 10NNHEALTH01-
START TIME: 97-261/12:33:15.933

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 01 -

Title	NIMS Health Observation No. 1			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000630:00:0	97-261/12:33:15.933		JEE-000/10:37:00.000	
End	JEE-CDS 00000627:00:0	97-261/12:36:17.933		JEE-000/10:33:58.000	
Duration	00000003:00:0	000/00:03:02.000		000/00:03:02.000	

Top Label	10NNHEALTH01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

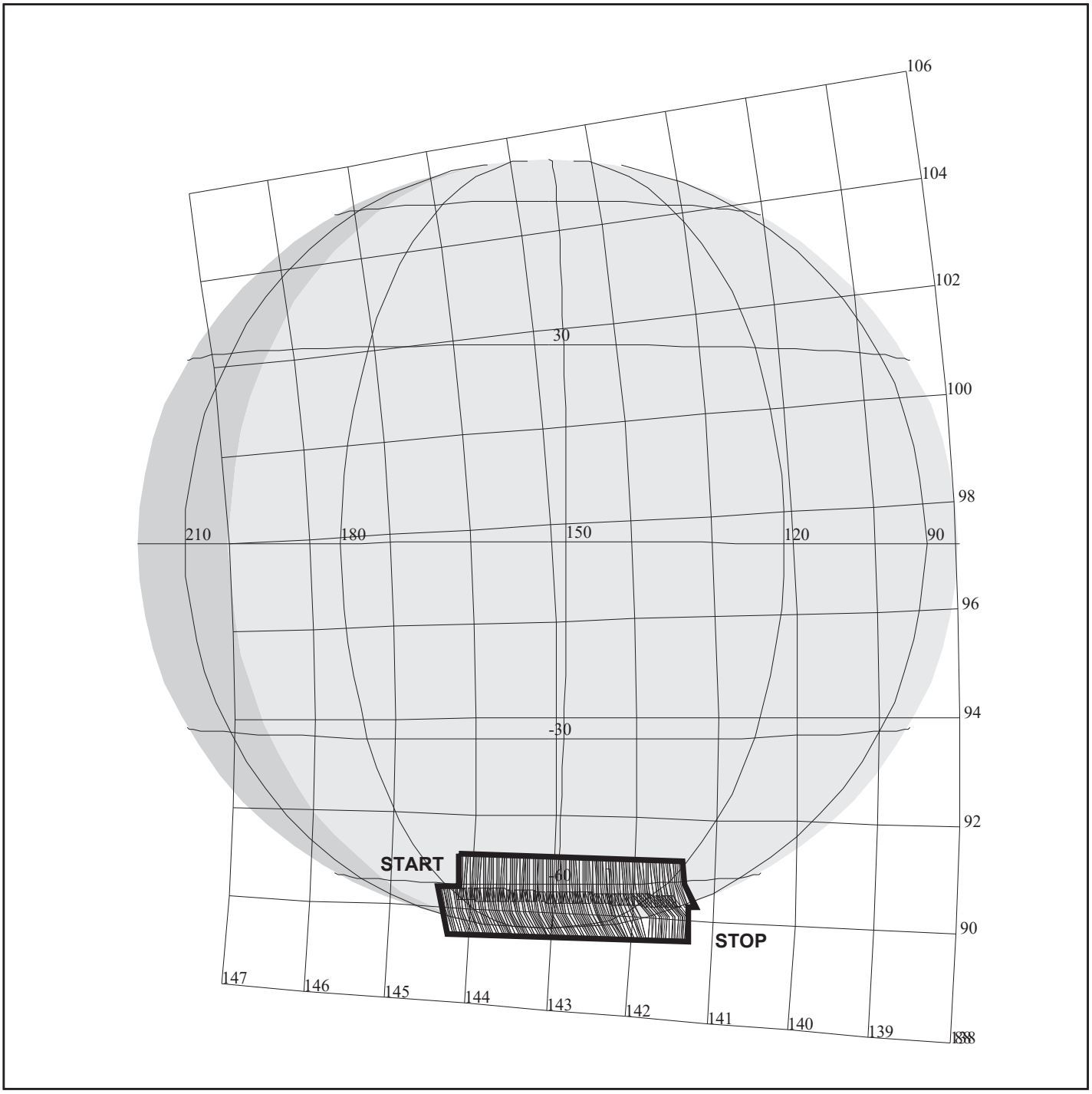
Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DU:TT= 0 TMC= 1 C= 25.00 XC= 4.00 BS= 0/2269 TC= 1(-65 145)
A= 546 pD= 0 SR=17.450 RA50=279.40 DEC50=-28.94 cone=144.19 clock= 90.68
117DU:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/2269
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 53.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM03

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 624:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM03

DESCRIP:Jupiter_South_Pole_Map_pt_3

Jupiter South Pole Map prt 3 — ACTIVITY ID: 10JNSPOLEM03-
START TIME: 97-261/12:36:17.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 03 -

Title	Jupiter South Pole Map prt 3			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000627:00:0	97-261/12:36:17.933	JEE-000/10:33:58.000
End	JEE-CDS 00000610:00:0	97-261/12:53:29.267	JEE-000/10:16:46.666
Duration	00000017:00:0	000/00:17:11.334	000/00:17:11.334

Top Label 10JNSPOLEM03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 145 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

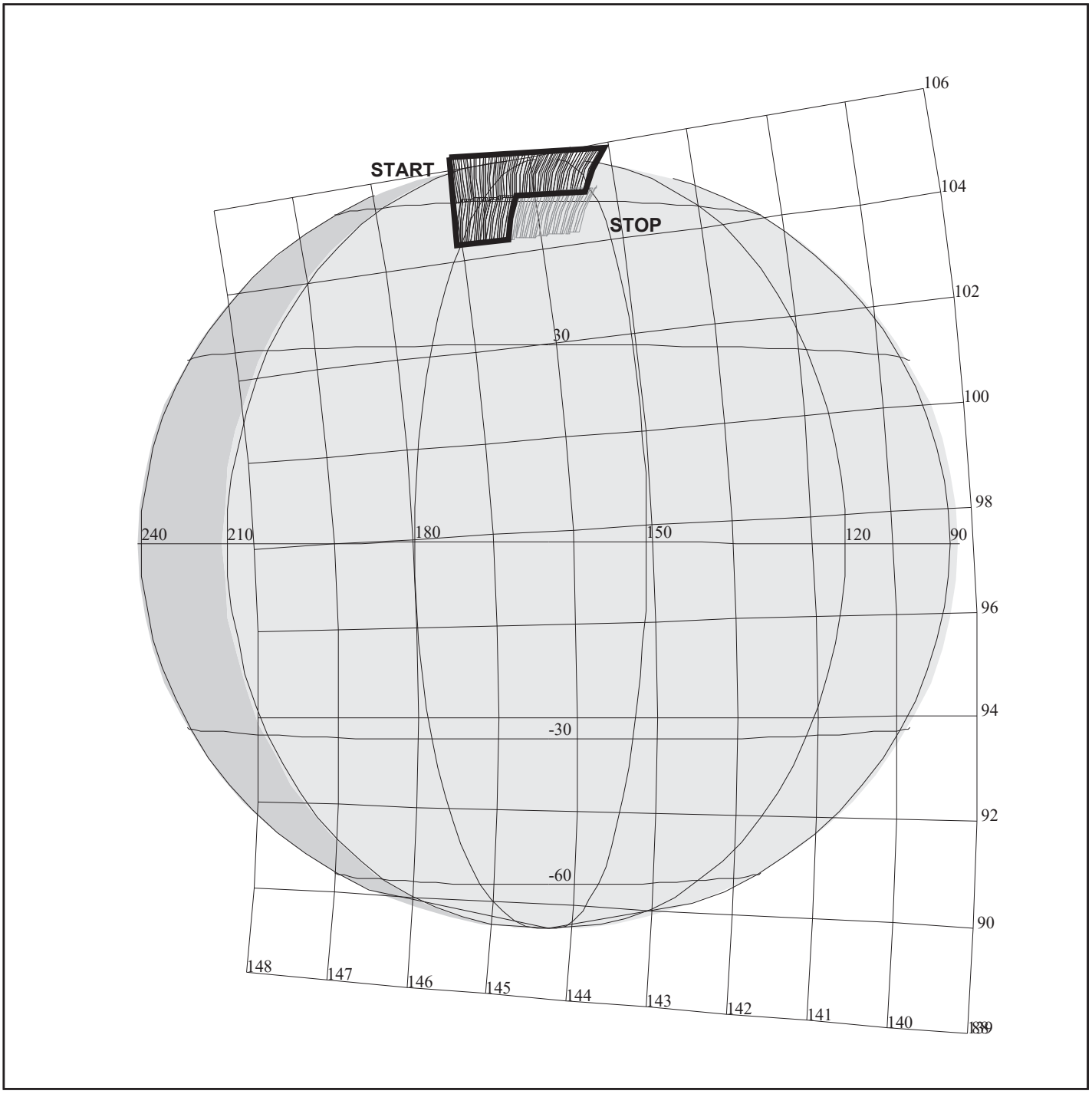
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 145 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT04B

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95



165DV:TT= 0 TMC= 1 C= 15.00 XC= 4.00 BS= 0/5727 TC= 1(65 170)
A= 182 pD= 0 SR=17.450 RA50=280.03 DEC50=-20.18 cone=144.99 clock=105.78
117DV:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/5727
1:#s= 2 Cs= -17.30 XCs= 0.00 Cr= 27.00 XCr= -7.00 sD= 2600 rD= 52

10JNNPAURD01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPAURD01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 605:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNNPAURD01

DESCRIP:Jup_North_Pole_Aur_Day_01

Jupiter North Pole Aurora Daytime prt 1 ACTIVITY ID: 10JNNPAURD01-
START TIME: 97-261/12:56:31.267

Activity ID: Orbit 10 Target J Inst N OAPEL NPAURD SeqNo 01 -

Title	Jupiter North Pole Aurora Daytime prt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000607:00:0	97-261/12:56:31.267	JEE-000/10:13:44.666
End	JEE-CDS 00000576:00:0	97-261/13:27:51.933	JEE-000/09:42:24.000
Duration	00000031:00:0	000/00:31:20.666	000/00:31:20.666

Top Label 10JNNPAURD01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	181	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

First of three specific North Pole Aurora maps covering the North Polar Auroral feature. H3+ and other emissions imaged near 3-4 microns over north pole. This map centered near 170 degrees west longitude, 65 degrees north latitude. Forty (40) wavelengths sent to ground, using NIMS wavelength table JAU40A.

Data Returned

Design Detail

Long map, Nyquist-sampled observation of 2.5 X 2 (100 X 40 NIMSel samples covering 50 X 36 area; 25 mrad X 18 mrad) centered on north pole near 170 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.76 million km, covers 19000 X 13680; NIMS IFOV = 380 KM. About 1751.333 secs (29:11.333) for scanning, assuming 17.33 secs for reposition slew. Observation accumulates 0.9554 MBTG in 40 wavelengths and uses 0.05884 tracks. One minute reserved for targetting, since observation follows SPOLEM03 on the same target.

Playback Truncated 8 Rims before the end of the observation.

Long Map (LM), Gain 2, Grating Start 0, LPU, JAU253B, JAU40B

Galileo Activity Plan Form 08/20/97 15:06:39 rev 6/95

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD03-
START TIME: 97-261/13:29:53.267

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 03 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-SWG/R.	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date	09/18/97	Week 38
Start	JEE-CDS 00000574:00:0	97-261/13:29:53.267		JEE-000/09:40:22.666	
End	JEE-CDS 00000564:00:0	97-261/13:39:59.933		JEE-000/09:30:16.000	
Duration	00000010:00:0	000/00:10:06.666		000/00:10:06.666	

Top Label	10NNRELOAD03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

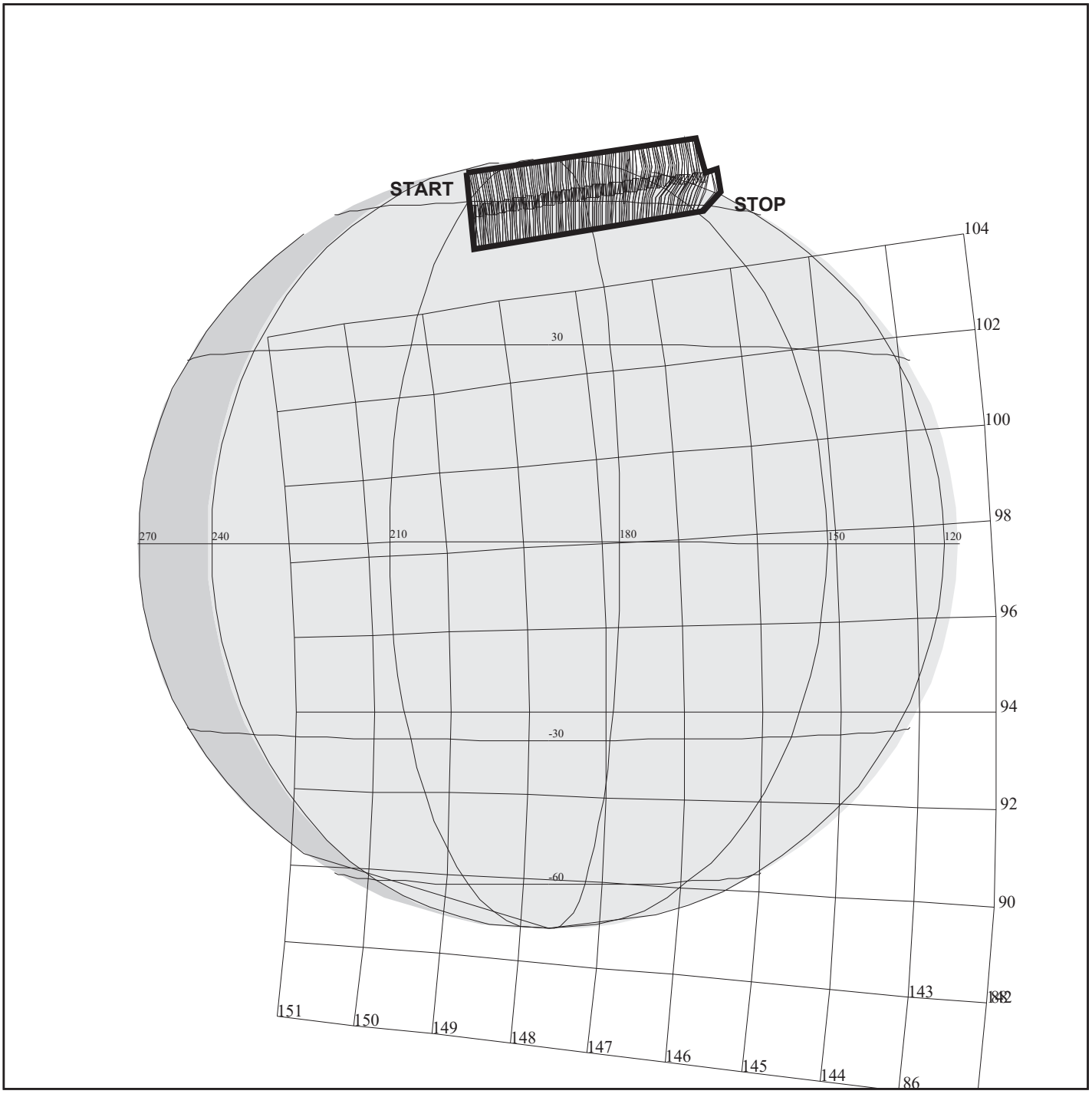
Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165DW:TT= 0 TMC= 1 C= 31.00 XC= 4.00 BS= 0/4645 TC= 1(65 170)
A= 182 pD= 0 SR=17.450 RA50=283.40 DEC50=-19.94 cone=148.12 clock=106.66
117DW:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/4645
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -6.00 sD= 1200 rD= 40

10JNFNP04101

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFNP04101

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 556:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFNP04101 **DESCRIP:Jup_xpnded_ftr_trk_41_deg_01**

Jup Expanded NP Ftr Trk 41 deg phse pt 1 ACTIVITY ID: 10JNFNP04101-
START TIME: 97-261/13:46:03.933

Activity ID: Orbit 10 Target J Inst N OAPEL FNP041 SeqNo 01 -

Title	Jup Expanded NP Ftr Trk 41 deg phse pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000558:00:0	97-261/13:46:03.933	JEE-000/09:24:12.000
End	JEE-CDS 00000542:00:0	97-261/14:02:14.600	JEE-000/09:08:01.333
Duration	00000016:00:0	000/00:16:10.667	000/00:16:10.667

Top Label 10JNFNP04101-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 41 degrees. Jupiter imaged in 19 colors, using NIMS downlink wavelength table JFT19A. This observation acquired with North Polar Auroral zone feature near minimum airmass, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

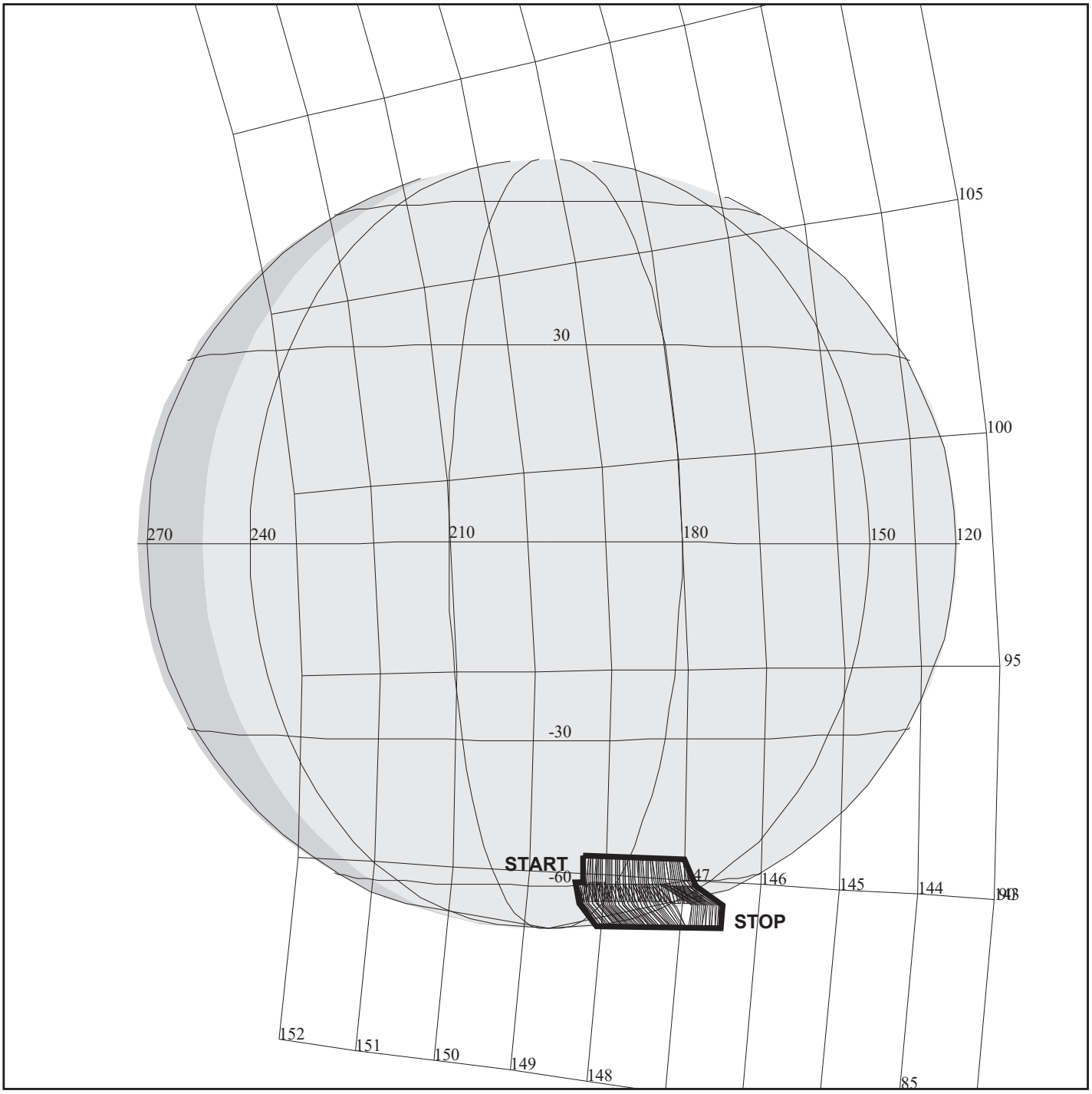
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 0.75 million KM, NIMS IFOV (NIMSel) = 375 KM; 4 X 2 mosaic covers 30000 X 13500 KM. About 820 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. One rim reserved for targetting since this follows OAPEL NPAURD01 on same target.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165DX:TT= 0 TMC= 1 C= 12.00 XC= 4.00 BS= 0/7375 TC= 1(-65 170)
A= 182 pD= 0 SR=17.450 RA50=284.12 DEC50=-28.72 cone=148.30 clock= 89.91
117DX:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/7375
1:#s= 2 Cs= -13.65 XCs= 0.00 Cr= 24.00 XCr= -7.00 sD= 2054 rD= 52

10JNSPAURD01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPAURD01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 541:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNSPAURD01 **DESCRIP:Jup_South_Pole_Aur_Day_01**

Jupiter South Pole Aurora Daytime prt 1 ACTIVITY ID: 10JNSPAURD01-
START TIME: 97-261/14:02:14.600

Activity ID: Orbit 10 Target J Inst N OAPEL SPAURD SeqNo 01 -

Title	Jupiter South Pole Aurora Daytime prt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000542:00:0	97-261/14:02:14.600	JEE-000/09:08:01.333
End	JEE-CDS 00000517:00:0	97-261/14:27:31.267	JEE-000/08:42:44.666
Duration	00000025:00:0	000/00:25:16.667	000/00:25:16.667

Top Label 10JNSPAURD01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	181	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

First of three specific South Pole Aurora maps sampling each hemisphere of the South Polar region. H3+ and other emissions imaged near 3-4 microns over south pole. This daylight map centered near 197 degrees west longitude, 65 degrees south latitude. Forty (40) wavelengths sent to ground, using NIMS wavelength table JAU40A.

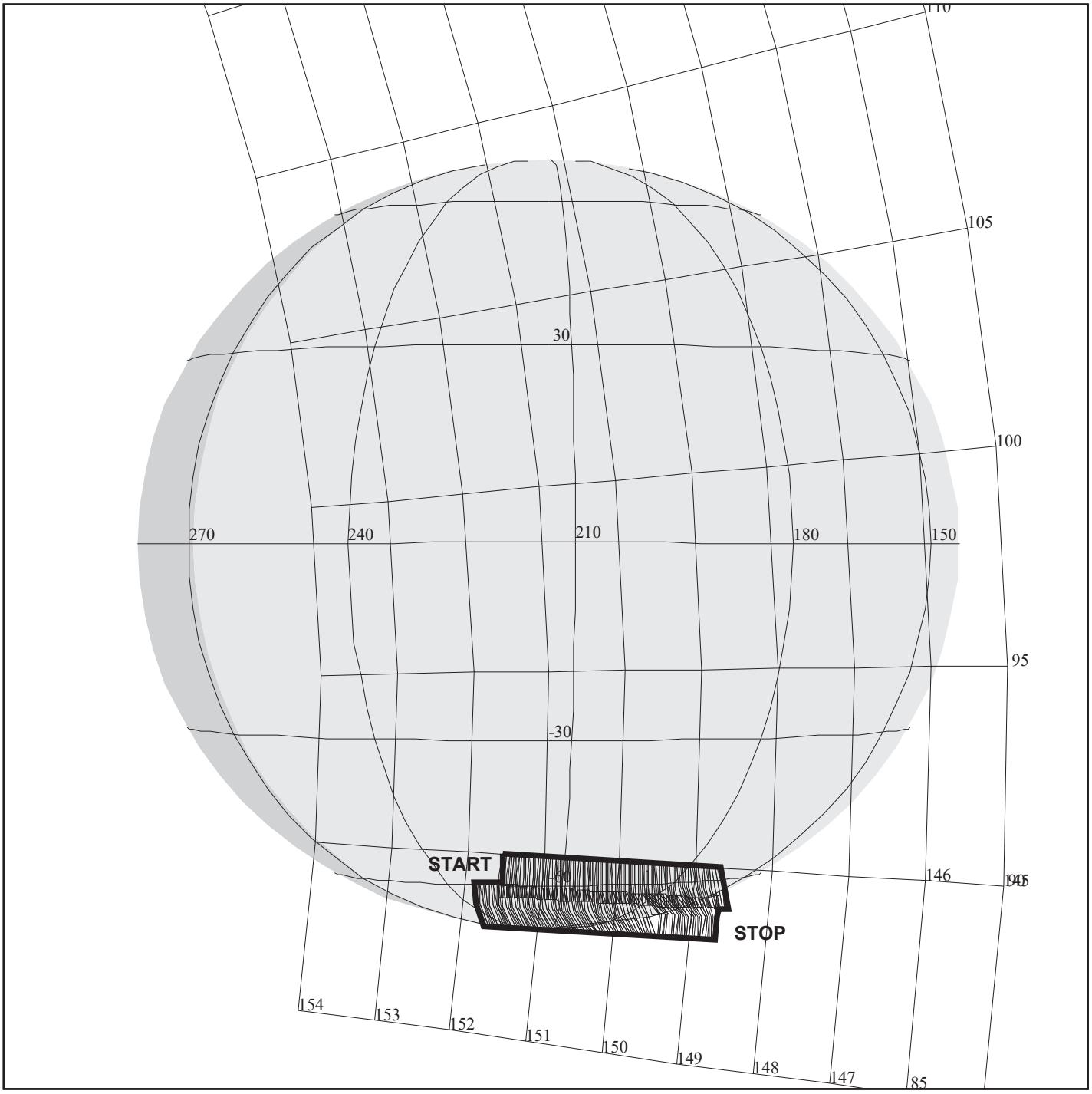
Data Returned

Design Detail

Long map, Nyquist-sampled observation of 1.98 X 2 (79 X 40 NIMSel samples covering 39.5 X 36 area; 19.8 mrad X 18 mrad) centered on the south pole (197 degrees west longitude, 65 degrees north latitude). Spacecraft distance about 0.76 million km, covers 15000 X 13680 KM; NIMS IFOV = 380 KM. About 1386.67 secs (23:06.666) for scanning, assuming 17.333 secs for reposition slew. Observation accumulates 0.75648 MBTG in 40 wavelengths and uses 0.04659 tracks. One minute reserved for targetting, since observation follows FNP04101 on the same target.

Long Map (LM), Gain 2, Grating Start 0, LPU, JAU253B, JAU40B

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165DY:TT= 0 TMC= 1 C= 25.00 XC= 4.00 BS= 0/2835 TC= 1(-65 195)
A= 182 pD= 0 SR=17.450 RA50=287.80 DEC50=-28.31 cone=151.55 clock= 89.42
117DY:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/2835
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 55.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM04

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM04

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 511:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM04

DESCRIP:Jupiter_South_Pole_Map_pt_4

Jupiter South Pole Map prt 4 — ACTIVITY ID: 10JNSPOLEM04-
START TIME: 97-261/14:31:33.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 04 -

Title	Jupiter South Pole Map prt 4			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000513:00:0	97-261/14:31:33.933		JEE-000/08:38:42.000	
End	JEE-CDS 00000497:00:0	97-261/14:47:44.600		JEE-000/08:22:31.333	
Duration	00000016:00:0	000/00:16:10.667		000/00:16:10.667	

Top Label 10JNSPOLEM04-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 195 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

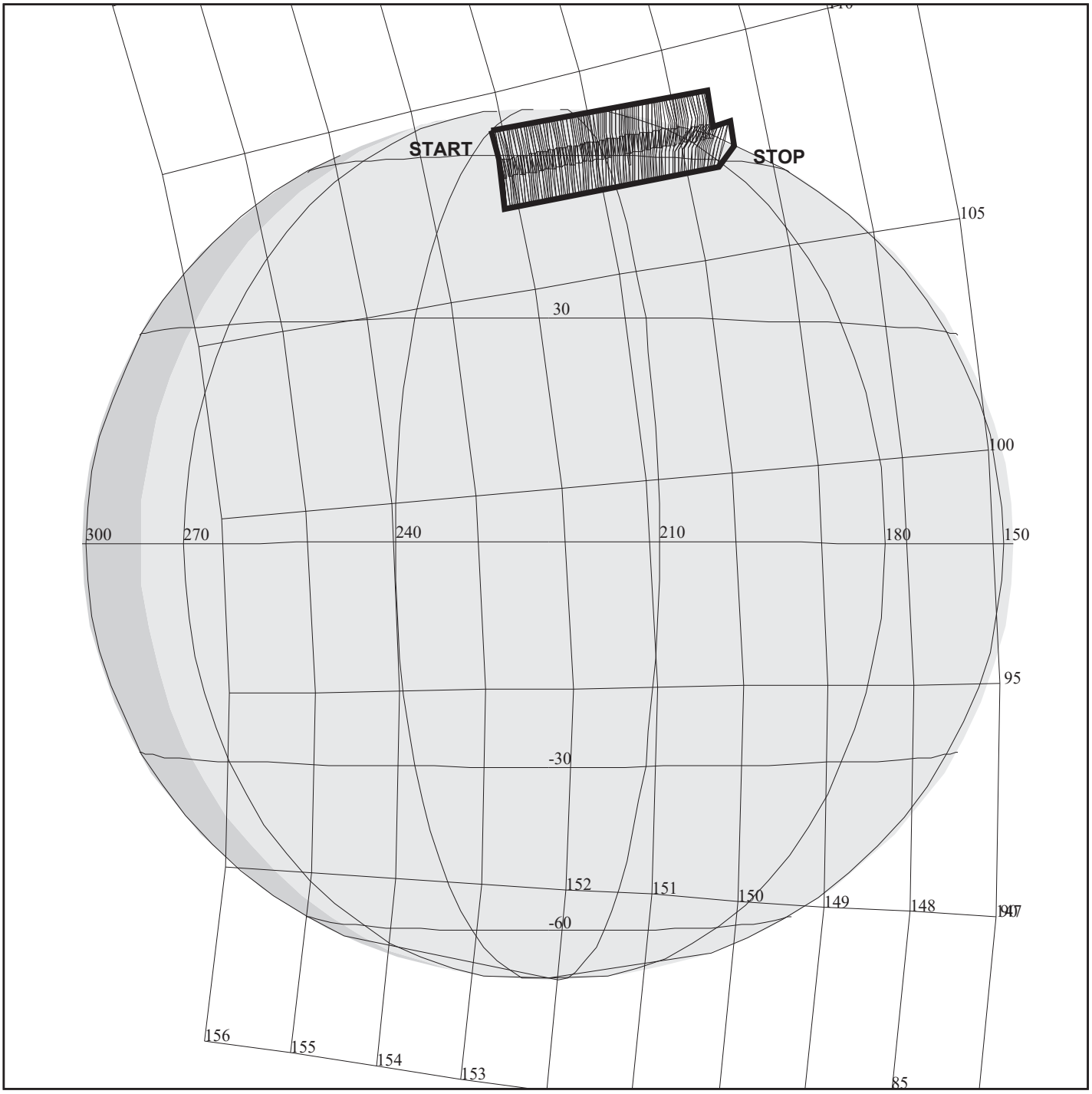
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 195 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. One rim used for targetting, since previous SPAURD01 OPAEL targetted the same area.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165EA:TT= 0 TMC= 1 C= 44.00 XC= 8.00 BS= 0/5929 TC= 1(65 170)
A= 182 pD= 0 SR=17.450 RA50=287.72 DEC50=-19.33 cone=152.14 clock=108.48
117EA:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/5929
1:#s= 2 Cs= -37.20 XCs= 0.00 Cr= 41.50 XCr= -5.00 sD= 1018 rD= 40

10JNFNP04102

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFNP04102

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 494:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.850

OBSERVATION:10JNFNP04102

DESCRIP:Jup_xpnded_ftr_trk_41_deg_02

Jup Expanded Ftr Trk 41 deg phse pt 2 ACTIVITY ID: 10JNFNP04102-
START TIME: 97-261/14:48:45.267

Activity ID: Orbit 10 Target J Inst N OAPEL FNP041 SeqNo 02 -

Title	Jup Expanded Ftr Trk 41 deg phse pt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System CDS Load ID Calendar Date 09/18/97 Week 38

Start	JEE-CDS 00000496:00:0	97-261/14:48:45.267	JEE-000/08:21:30.666
End	JEE-CDS 00000480:00:0	97-261/15:04:55.933	JEE-000/08:05:20.000
Duration	00000016:00:0	000/00:16:10.666	000/00:16:10.666

Top Label 10JNFNP04102-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This expanded version, covering the prime feature plus surrounding territory to the east and west, is the first of three observations obtained on a rotation with phase angle approximately 41 degrees. Jupiter imaged in 19 colors, using NIMS downlink wavelength table JFT19A. This observation acquired with North Polar Auroral zone feature near the evening limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

Design Detail

Short map, Nyquist-sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude.
Spacecraft distance 0.74 million KM, NIMS IFOV (NIMSel) = 370 KM;
4 X 2 mosaic covers 29600 X 13320 KM. About 820 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks.
One rim reserved for targetting since this follows OAPEL NPAURD02 on same target.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95

165EB:TT= 0 TMC= 1 C= -0.70 XC= 0.00 BS= 0/9205 TC= 3
A= 728 pD= 100 SR=17.450 RA50=288.85 DEC50=-23.81 cone=153.17 clock= 98.70
117EB:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9205
1:#s= 1 Cs= 0.80 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 100 rD= 2

10SNAMALTH01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10SNAMALTH01

TARGET BODY : AMALTHEA

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 476:00:0

BODY PLOT TIME:TARGET-TIME D= 100 S= 0.020

OBSERVATION:10SNAMALTH01

DESCRIP:OBSERVATION OF AMALTHEA

Observation of Amalthea

ACTIVITY ID: 10SNAMALTH01-
START TIME: 97-261/15:04:55.933

Activity ID: Orbit 10 Target S Inst N OAPEL AMALTH SeqNo 01 -

Title	Observation of Amalthea			Instrument	NIMS
Requestor	NIMS-SWG/JHUI	Team	NIMS	Working Group	SWG

Time System CDS Load ID Calendar Date 09/18/97 Week 38

Start	JEE-CDS 480:00:0	97-261/15:04:55.933	JEE-000/08:05:20.000
End	JEE-CDS 00000474:00:0	97-261/15:10:59.933	JEE-000/07:59:16.000
Duration	00000006:00:0	000/00:06:04.000	000/00:06:04.000

Top Label 10SNAMALTH01-
Bottom Label NIMS

Plot Key	NIMS	Type	SCI		
CDS Bytes	202	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To study the composition of the small satellite Amalthea.

No Data Returned

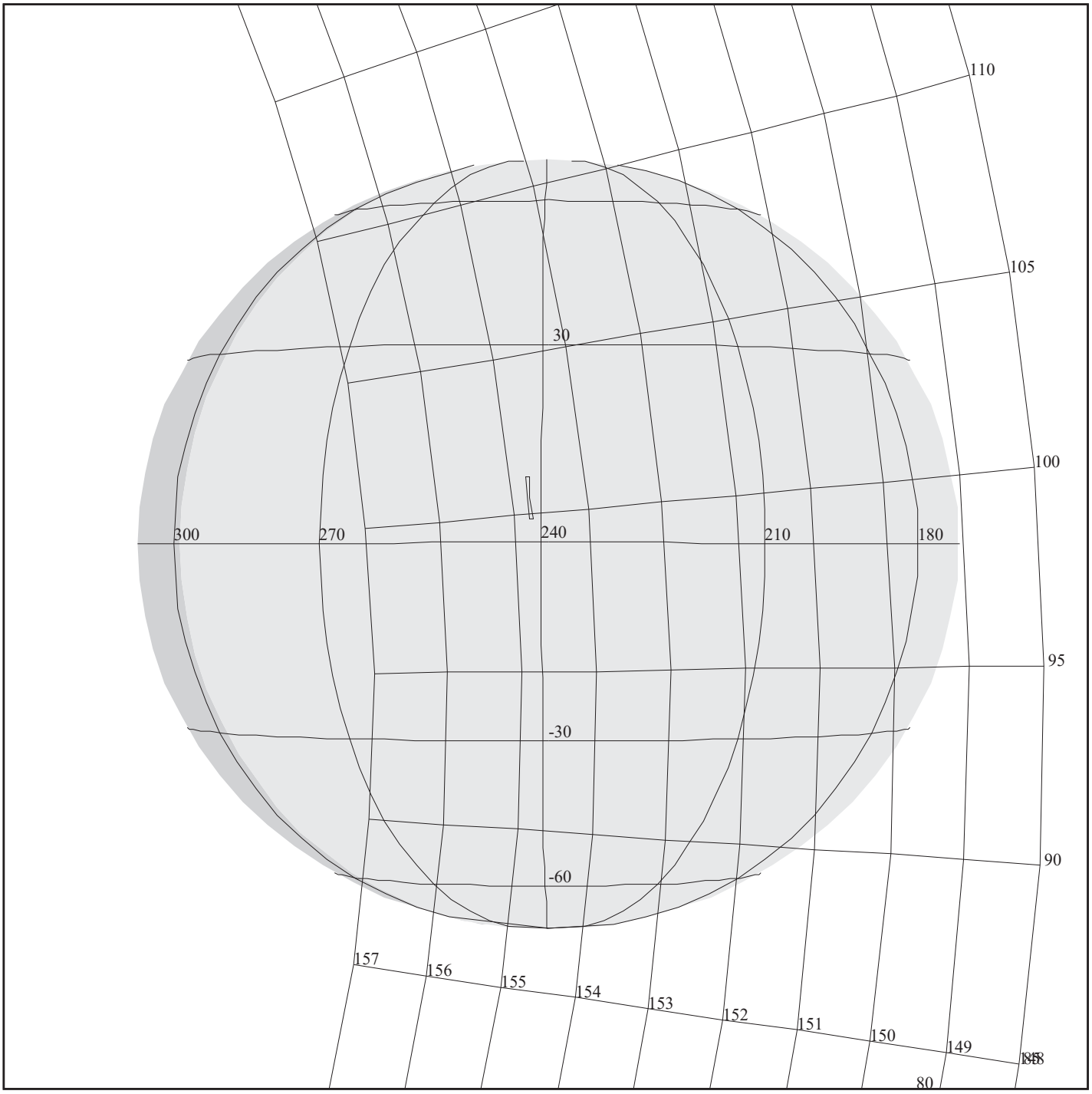
Design Detail

Target to Amalthea do a scan across it. Amalthea is less than one pixel, resolution is ~280 km per pixel. It is highly compressible.
(It could be used as Dark Sky observations.)
NIMS is in Full Map (FM) mode, Slew rate should be in 0.03 mrad/sec.
This slew rate is twice the Nyquist sampling rate to allow a more enhanced or coadded spectra of the satellite.
Gain State should be 4, Chopper reference mode, grating start position is 0, and the grating offset is 4. Record in LPU Mode and Wavelengths expected to be playback is 102 using wavelength table SFM102.

No Data Returned. Jupiter in background - Amalthea unresolvable.

Long Map (LM), Gain 4, Grating Start 0, MPW, SLM442, SLM360

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165DH:TT= 0 TMC= 1 C= 3.00 XC= 0.00 BS= 0/1571 TC= 1(6.5 240)
A= 364 pD= 0 SR=17.450 RA50=290.53 DEC50=-22.91 cone=154.78 clock=100.48
117DH:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1571
1:#s= 1 Cs= -5.38 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 542 rD= 2

10JNRTHOTS01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNRTHOTS01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 7

START:JEE 97-261/23:10:15.933 -CDS 463:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNRTHOTS01

DESCRIP:JUPITER_REAL_TIMEHOTSPOT_OBS_01

Jupiter Real-Time Hotspot Observation ACTIVITY ID: 10JNRTHOTS01-
START TIME: 97-261/15:18:04.600

Activity ID: Orbit 10 Target J Inst N OAPEL RTHOTS SeqNo 01 -

Title	Jupiter Real-Time Hotspot Observation		Instrument		NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000467:00:0	97-261/15:18:04.600		JEE-000/07:52:11.333	
End	JEE-CDS 00000460:00:0	97-261/15:25:09.267		JEE-000/07:45:06.666	
Duration	00000007:00:0	000/00:07:04.667		000/00:07:04.667	

Top Label	10JNRTHOTS01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Long Map spectra of the Hotspot region at approximately 400 km/pixel on Jupiter. Determination of water and phosphine content within the Hotspot are primary objectives.

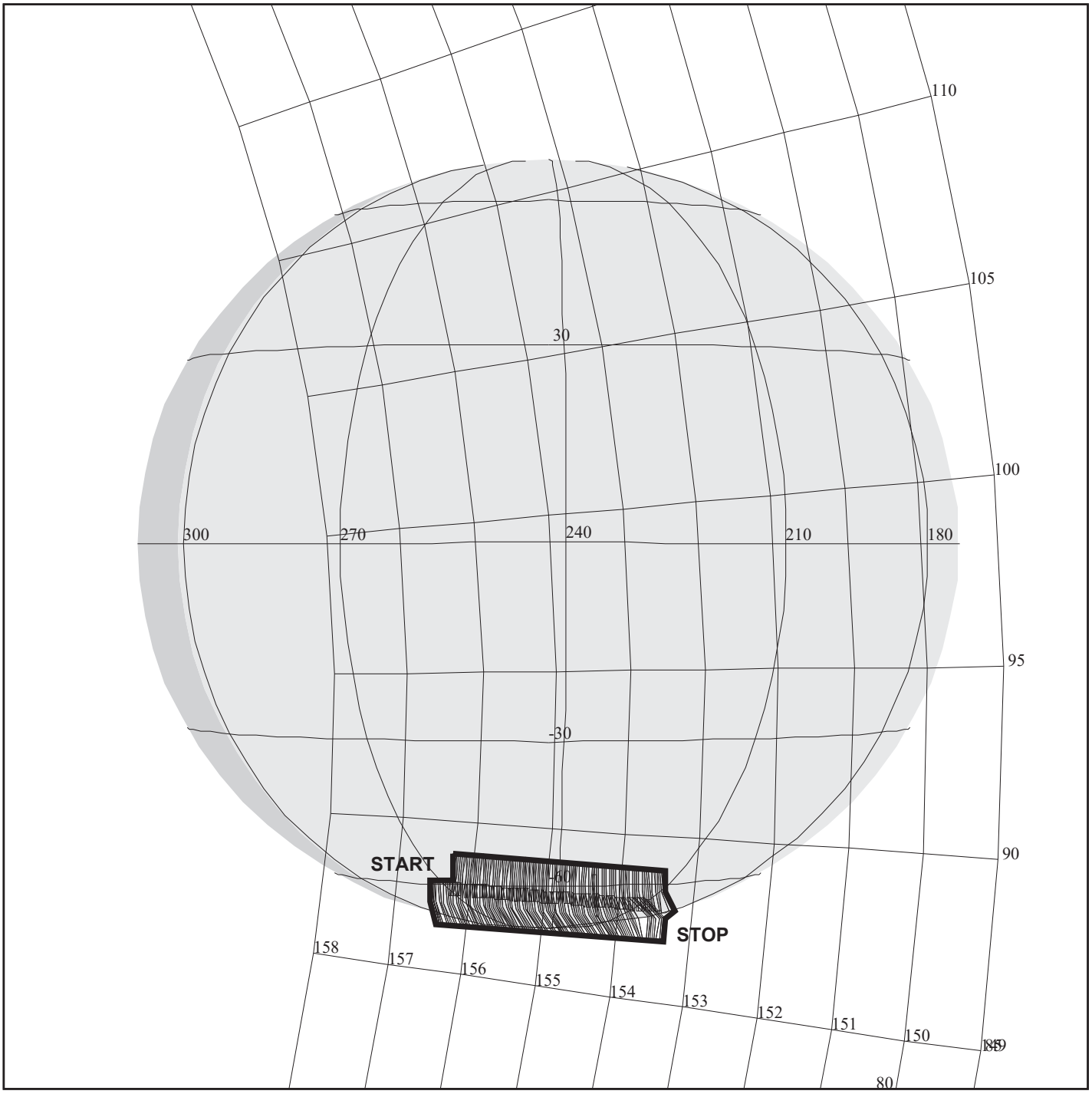
Data Returned

Design Detail

Long Map real-time 3-RIM spectra at 4 mirror positions centered on the Hotspot region. Nimsel coordinates: 0 degrees West longitude, 6.5 degrees North latitude. Acquired near the central meridian at approximately 80 degrees phase angle. Spatial resolution: 380 km/pixel

Mirror Blocked (1B,1B) (11011,11011)

Long Map (LM), Gain 4, Grating Start 0, R/T, RT408



165EC:TT= 0 TMC= 1 C= 25.00 XC= 4.00 BS= 0/2663 TC= 1(-65 240)
A= 546 pD= 0 SR=17.450 RA50=293.14 DEC50=-27.63 cone=156.29 clock= 88.25
117EC:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/2663
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 55.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM05

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM05

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 457:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM05

DESCRIP:Jupiter_South_Pole_Map_pt_5

Jupiter South Pole Map prt 5 ACTIVITY ID: 10JNSPOLEM05-
START TIME: 97-261/15:25:09.267

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 05 -

Title	Jupiter South Pole Map prt 5	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System CDS Load ID Calendar Date 09/18/97 Week 38

Start	JEE-CDS 460:00:0	97-261/15:25:09.267	JEE-000/07:45:06.666
End	JEE-CDS 00000443:00:0	97-261/15:42:20.600	JEE-000/07:27:55.333
Duration	00000017:00:0	000/00:17:11.333	000/00:17:11.333

Top Label 10JNSPOLEM05-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 240 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

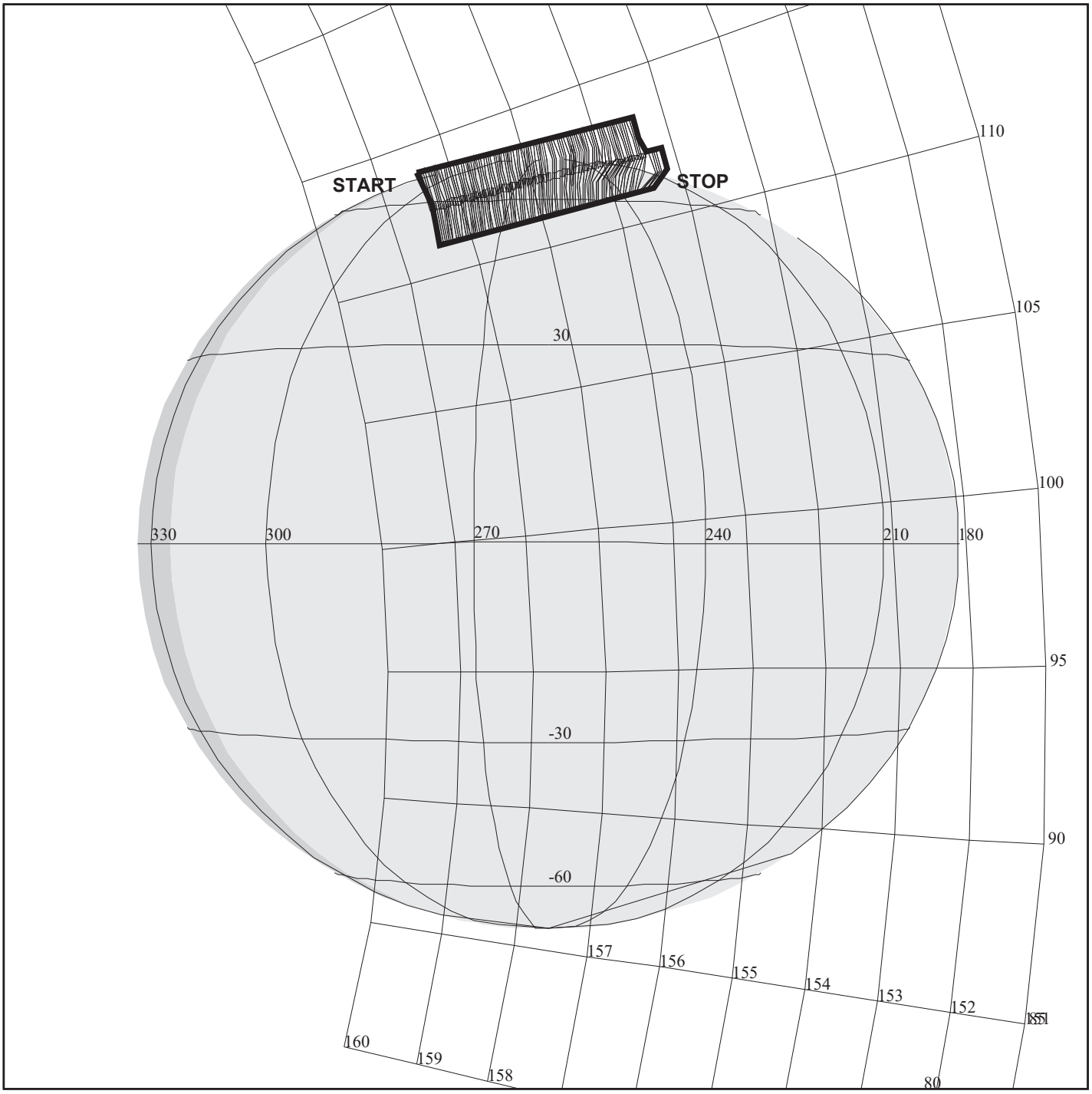
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 240 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:40 rev 6/95



165ED:TT= 0 TMC= 1 C= 29.00 XC= 7.50 BS= 0/8851 TC= 1(65 260)
A= 546 pD= 0 SR=17.450 RA50=294.55 DEC50=-17.96 cone=158.46 clock=113.18
117ED:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8851
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -6.00 sD= 1200 rD= 40

10JNNPOLEM04

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPOLEM04

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 423:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNNPOLEM04

DESCRIP:Jupiter_North_Pole_Map_pt_4

Jupiter North Polar Map prt 4 — ACTIVITY ID: 10JNNPOLEM04-
START TIME: 97-261/15:58:31.267

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 04 -

Title	Jupiter North Polar Map prt 4	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000427:00:0	97-261/15:58:31.267	JEE-000/07:11:44.666
End	JEE-CDS 00000409:00:0	97-261/16:16:43.267	JEE-000/06:53:32.666
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNNPOLEM04-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 260 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (Note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

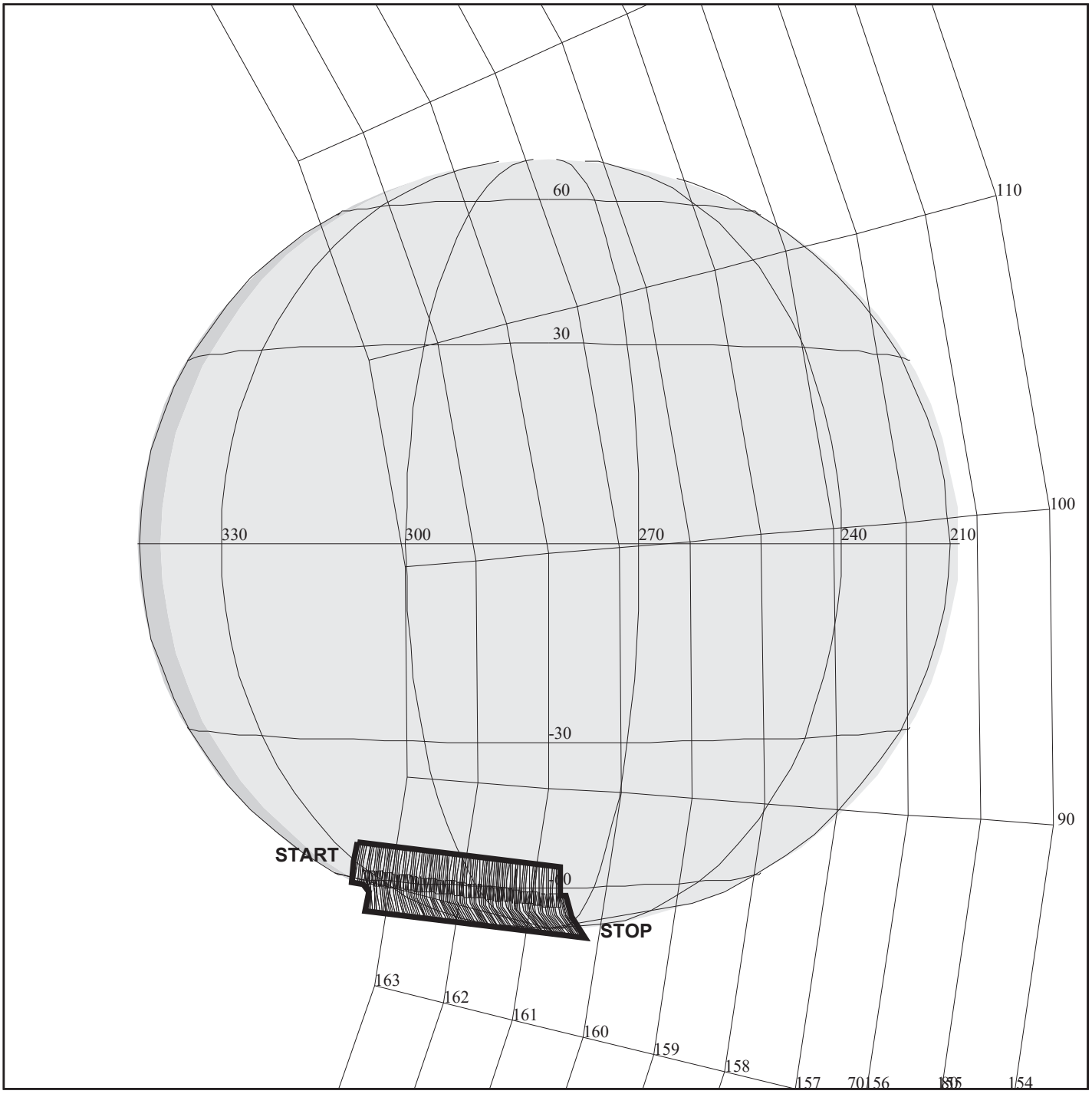
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 260 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:41 rev 6/95



165EG:TT= 0 TMC= 1 C= 45.00 XC= 3.00 BS= 0/6131 TC= 1(-65 285)
A= 546 pD= 0 SR=17.450 RA50=301.18 DEC50=-26.08 cone=163.58 clock= 85.63
117EG:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/6131
1:#s= 2 Cs= -43.70 XCs= 0.00 Cr= 49.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM06

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM06

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 383:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNSPOLEM06 **DESCRIP:Jupiter_South_Pole_Map_pt_6**

Jupiter South Pole Map prt 6 ACTIVITY ID: 10JNSPOLEM06-
START TIME: 97-261/16:38:57.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 06 -

Title	Jupiter South Pole Map prt 6			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000387:00:0	97-261/16:38:57.933	JEE-000/06:31:18.000
End	JEE-CDS 00000369:00:0	97-261/16:57:09.933	JEE-000/06:13:06.000
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label 10JNSPOLEM06-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 285 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 285 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD04-
START TIME: 97-261/16:59:11.267

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 04 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date	09/18/97	Week 38
Start	JEE-CDS 00000367:00:0	97-261/16:59:11.267		JEE-000/06:11:04.666	
End	JEE-CDS 00000357:00:0	97-261/17:09:17.933		JEE-000/06:00:58.000	
Duration	00000010:00:0	000/00:10:06.666		000/00:10:06.666	

Top Label	10NNRELOAD04-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

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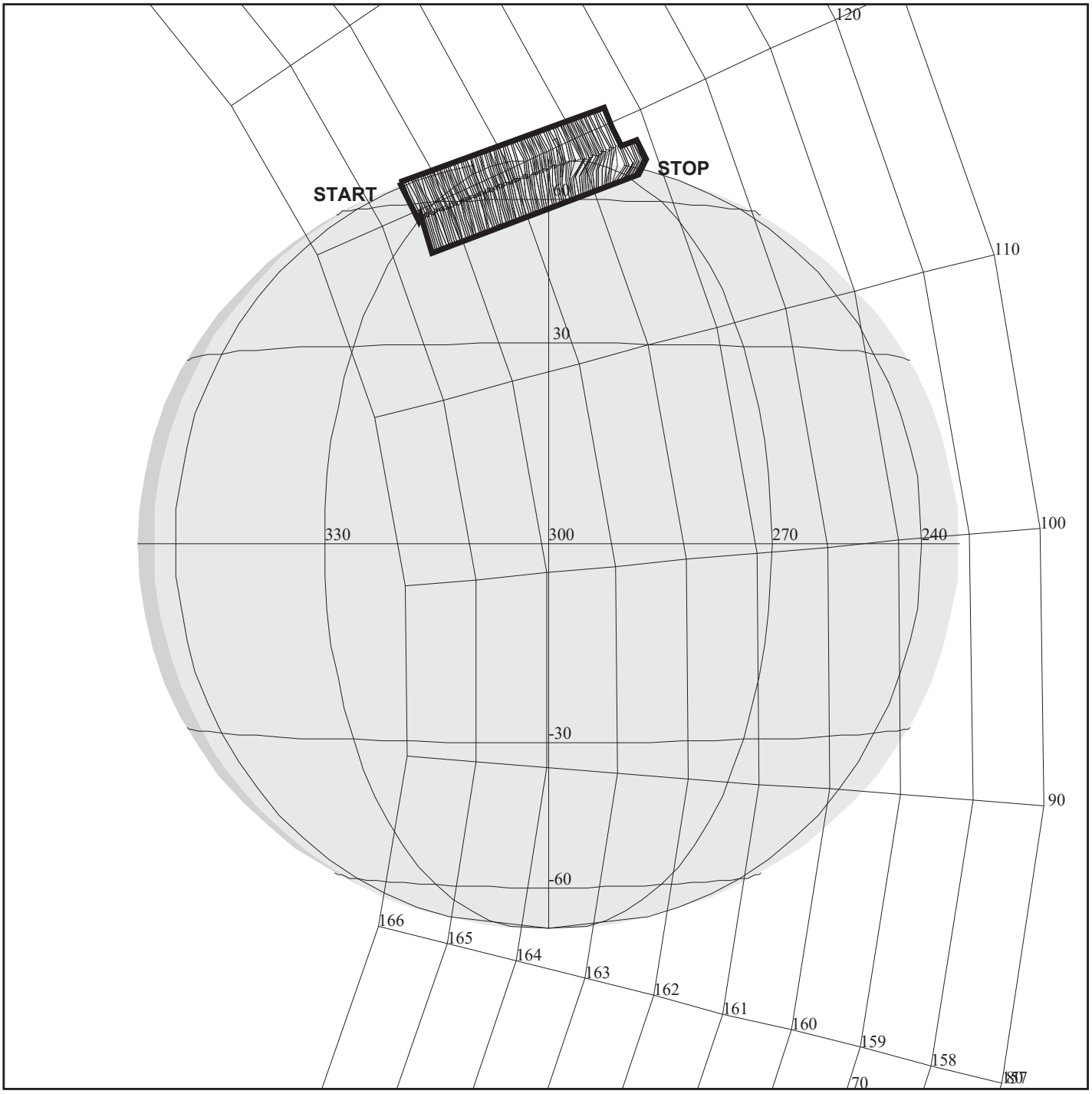


165EE:TT= 0 TMC= 1 C= 29.00 XC= 9.00 BS= 0/2501 TC= 1(65 305)
A= 546 pD= 0 SR=17.450 RA50=301.16 DEC50=-16.56 cone=164.49 clock=120.60
117EE:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/2501
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 49.00 XCr= -6.00 sD= 1200 rD= 40

10JNNPOLEM05

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPOLEM05

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 348:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNNPOLEM05

DESCRIP:Jupiter_North_Pole_Map_pt_5

Jupiter North Pole Map prt 5 ACTIVITY ID: 10JNNPOLEM05-
START TIME: 97-261/17:14:21.267

Activity ID: Orbit 10 Target J Inst N OAPEL NPOLEM SeqNo 05 -

Title	Jupiter North Pole Map prt 5	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000352:00:0	97-261/17:14:21.267	JEE-000/05:55:54.666
End	JEE-CDS 00000334:00:0	97-261/17:32:33.267	JEE-000/05:37:42.666
Duration	00000018:00:0	000/00:18:12.000	000/00:18:12.000

Top Label	10JNNPOLEM05-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of six maps of the North Polar region, examining haze vertical and spatial structure over all longitudes at North Polar latitudes. Observation obtained with minimum-airmass longitude near 305 degrees west longitude. North Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A, (Note: territory covered in feature track OAPELS FNP04102 and FNP04103 completes the longitudinal coverage).

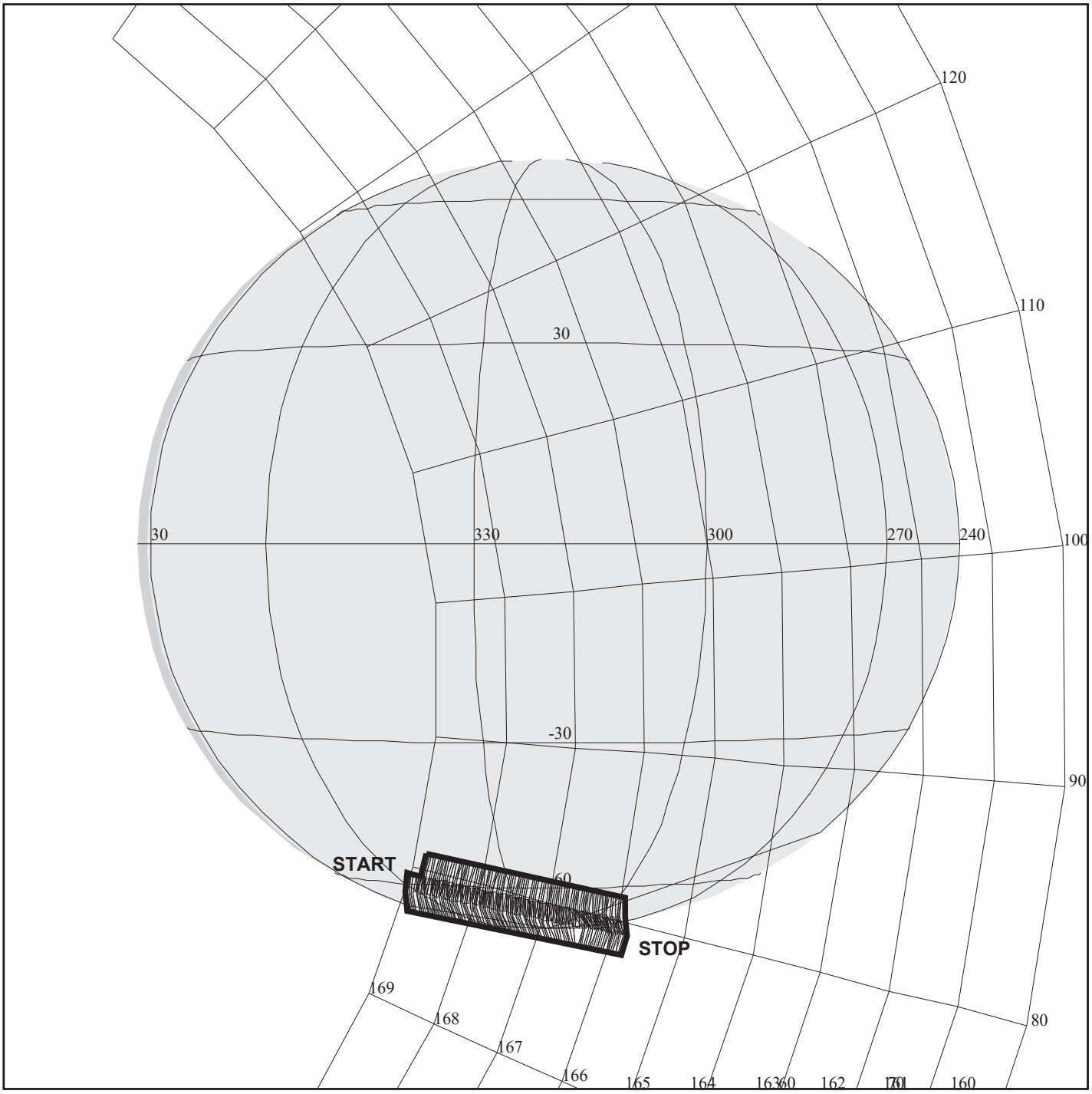
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on North Pole at 305 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:41 rev 6/95



165EF:TT= 0 TMC= 1 C= 25.00 XC= 1.00 BS= 0/9599 TC= 1(-65 330)
A= 546 pD= 0 SR=17.450 RA50=307.13 DEC50=-24.98 cone=168.88 clock= 79.76
117EF:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/9599
1:#s= 2 Cs= -43.80 XCs= 0.00 Cr= 54.00 XCr= -8.00 sD= 1200 rD= 40

10JNSPOLEM07

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPOLEM07

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 -CDS 309:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNSPOLEM07

DESCRIP:Jupiter_South_Pole_Map_pt_7

Jupiter South Pole Map prt 7 — ACTIVITY ID: 10JNSPOLEM07-
START TIME: 97-261/17:53:47.267

Activity ID: Orbit 10 Target J Inst N OAPEL SPOLEM SeqNo 07 -

Title	Jupiter South Pole Map prt 7			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000313:00:0	97-261/17:53:47.267		JEE-000/05:16:28.666	
End	JEE-CDS 00000295:00:0	97-261/18:11:59.267		JEE-000/04:58:16.666	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label	10JNSPOLEM07-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	162	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of eight maps of the South Polar region, examining haze vertical and spatial structure over all longitudes at South Polar latitudes. Observation obtained with minimum-airmass longitude near 330 degrees west longitude. South Pole imaged in 19 colors, using NIMS downlink wavelength table JFT19A.

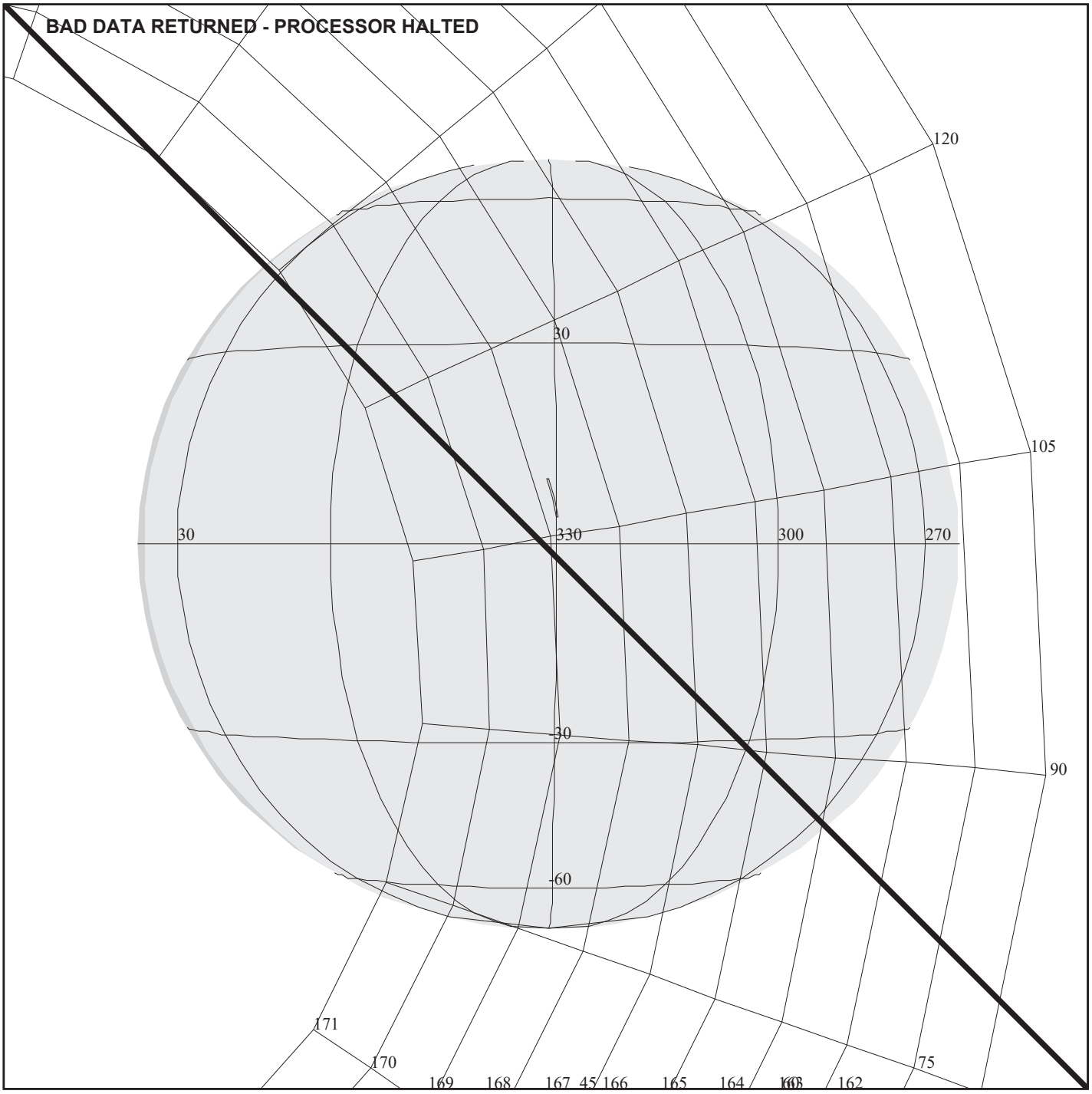
Data Returned

Design Detail

Short map, Nyquist sampled observation of 4 X 2 (40 X 18 mrad) area centered on South Pole at 330 degrees west longitude, 65 degrees south latitude. Spacecraft distance about 0.8 million km, NIMS IFOV (NIMSel) = 400 KM. 4 X 2 mosaic covers 32000 X 14400 KM, covering more than 45 degrees of longitude in the polar region. About 820 seconds = 13:40 of scanning, including 20 seconds for a reposition slew, accumulating 0.7366 MBTG in 19 colors, and using 0.02755 tracks. Target time = 3:20.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:41 rev 6/95



165DI:TT= 0 TMC= 1 C= 0.86 XC= 0.00 BS= 0/3239 TC= 1(6.5 330)
A= 728 pD= 0 SR=17.450 RA50=305.47 DEC50=-19.83 cone=168.86 clock=107.88
117DI:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/3239
1:#s= 1 Cs= -1.78 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 182 rD= 2

10JNRTHOTS02

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNRTHOTS02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 7**

START:JEE 97-261/23:10:15.933 -CDS 289:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNRTHOTS02 **DESCRIP:JUPITER_REAL_TIMEHOTSPOT_OBS_02**

Jupiter Real-Time Hotspot Observation ACTIVITY ID: 10JNRTHOTS02-
START TIME: 97-261/18:11:59.267

Activity ID: Orbit 10 Target J Inst N OAPEL RTHOTS SeqNo 02 -

Title	Jupiter Real-Time Hotspot Observation		Instrument		NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000295:00:0	97-261/18:11:59.267		JEE-000/04:58:16.666	
End	JEE-CDS 00000286:00:0	97-261/18:21:05.267		JEE-000/04:49:10.666	
Duration	00000009:00:0	000/00:09:06.000		000/00:09:06.000	

Top Label	10JNRTHOTS02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

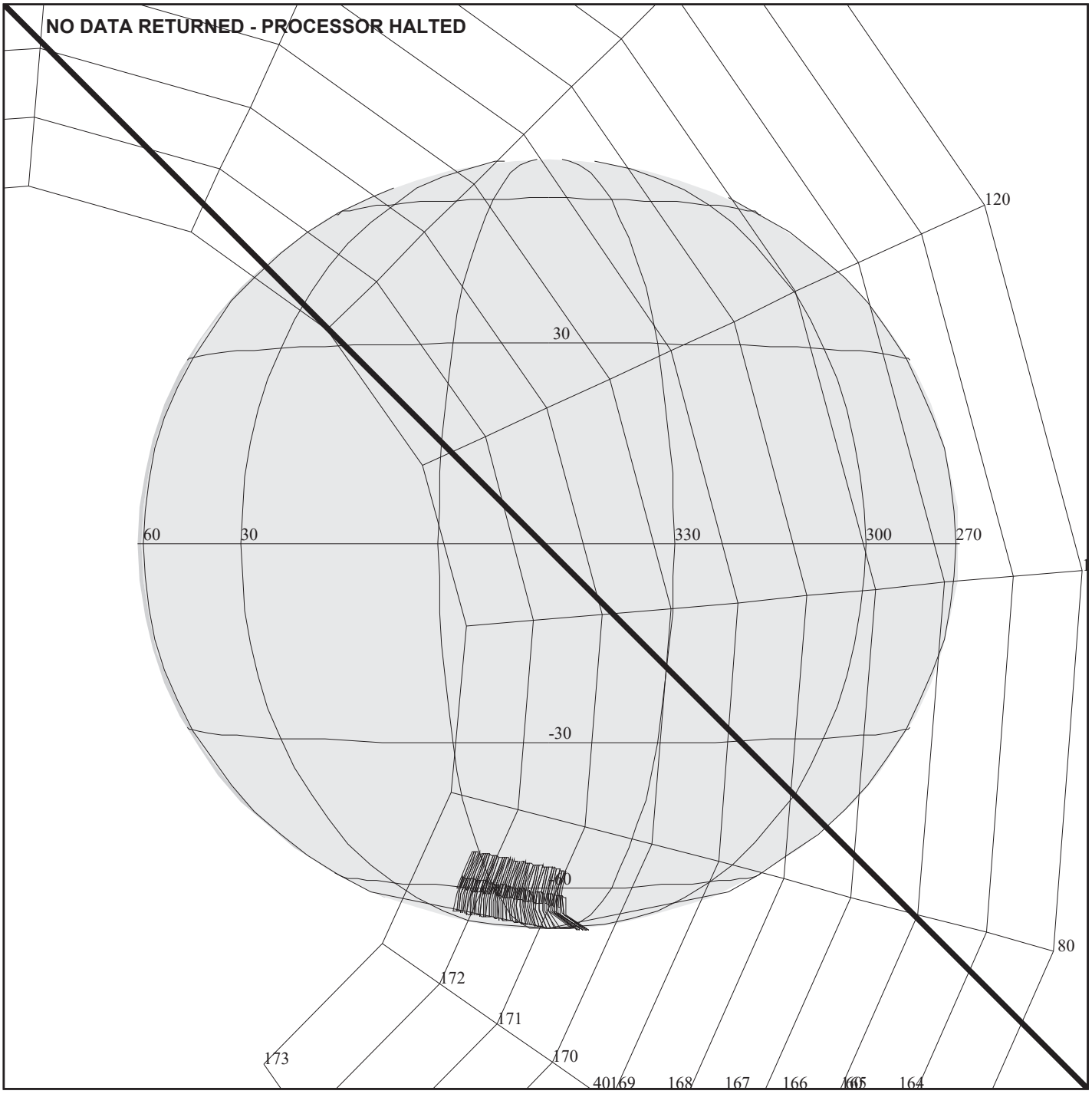
Long Map spectra of the Hotspot region at approximately 400 km/pixel on Jupiter. Determination of water and phosphine content within the Hotspot are primary objectives.

Processor Halted, Bad Data Returned

Design Detail

Long Map real-time 1-RIM spectra at 4 mirror positions centered on the Hotspot region. NIMSel cordinates: 125 degrees West longitude, 6.5 degrees North latitude. Acquired near the central meridian at approximately 89 degrees phase angle. Spatial resolution: 420 km/pixel.

Long Map (LM), Gain 4, Grating Start 0, R/T, RT408



165EH:TT= 0 TMC= 1 C= 12.00 XC= 4.00 BS= 0/8517 TC= 1(-65 0)
A= 364 pD= 0 SR=17.450 RA50=311.13 DEC50=-23.94 cone=172.46 clock= 72.04
117EH:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/8517
1:#s= 2 Cs= -13.65 XCs= 0.00 Cr= 25.00 XCr= -12.00 sD= 2054 rD= 52

10JNSPAURD02

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPAURD02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 -CDS 260:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNSPAURD02 **DESCRIP:Jup_South_Pole_Aur_Day_02**

Jupiter South Pole Aurora Daytime prt 2 ACTIVITY ID: 10JNSPAURD02-
START TIME: 97-261/18:46:21.933

Activity ID: Orbit 10 Target J Inst N OAPEL SPAURD SeqNo 02 -

Title	Jupiter South Pole Aurora Daytime prt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	JEE-CDS 00000261:00:0	97-261/18:46:21.933	JEE-000/04:23:54.000
End	JEE-CDS 00000236:00:0	97-261/19:11:38.600	JEE-000/03:58:37.333
Duration	00000025:00:0	000/00:25:16.667	000/00:25:16.667

Top Label 10JNSPAURD02-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	181	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Second of three specific South Pole Aurora maps sampling each hemisphere of the South Polar region. H3+ and other emissions imaged near 3-4 microns over south pole. This daylight map centered near zero degrees west longitude, 65 degrees south latitude. Forty (40) wavelengths sent to ground, using NIMS wavelength table JAU40A.

Processor Halted, No Data Returned

Design Detail

Long map, Nyquist-sampled observation of 1.98 X 2 (79 X 40 NIMSel samples covering 39.5 X 36 area; 19.8 mrad X 18 mrad) centered on the south pole (zero degrees west longitude, 65 degrees north latitude).
Spacecraft distance about 0.76 million km, covers 15000 X 13680 KM;
NIMS IFOV = 380 KM. About 1386.67 secs (23:06.666) for scanning, assuming 17.333 secs for repostion slew. Observation accumulates 0.75648 MBTG in 40 wavelengths and using 0.04659 tracks.
One minute reserved for targetting, since observation follows NPOLEM06 on the same target.

Long Map (LM), Gain 2, Grating Start 0, LPU, JAU253B, JAU40B

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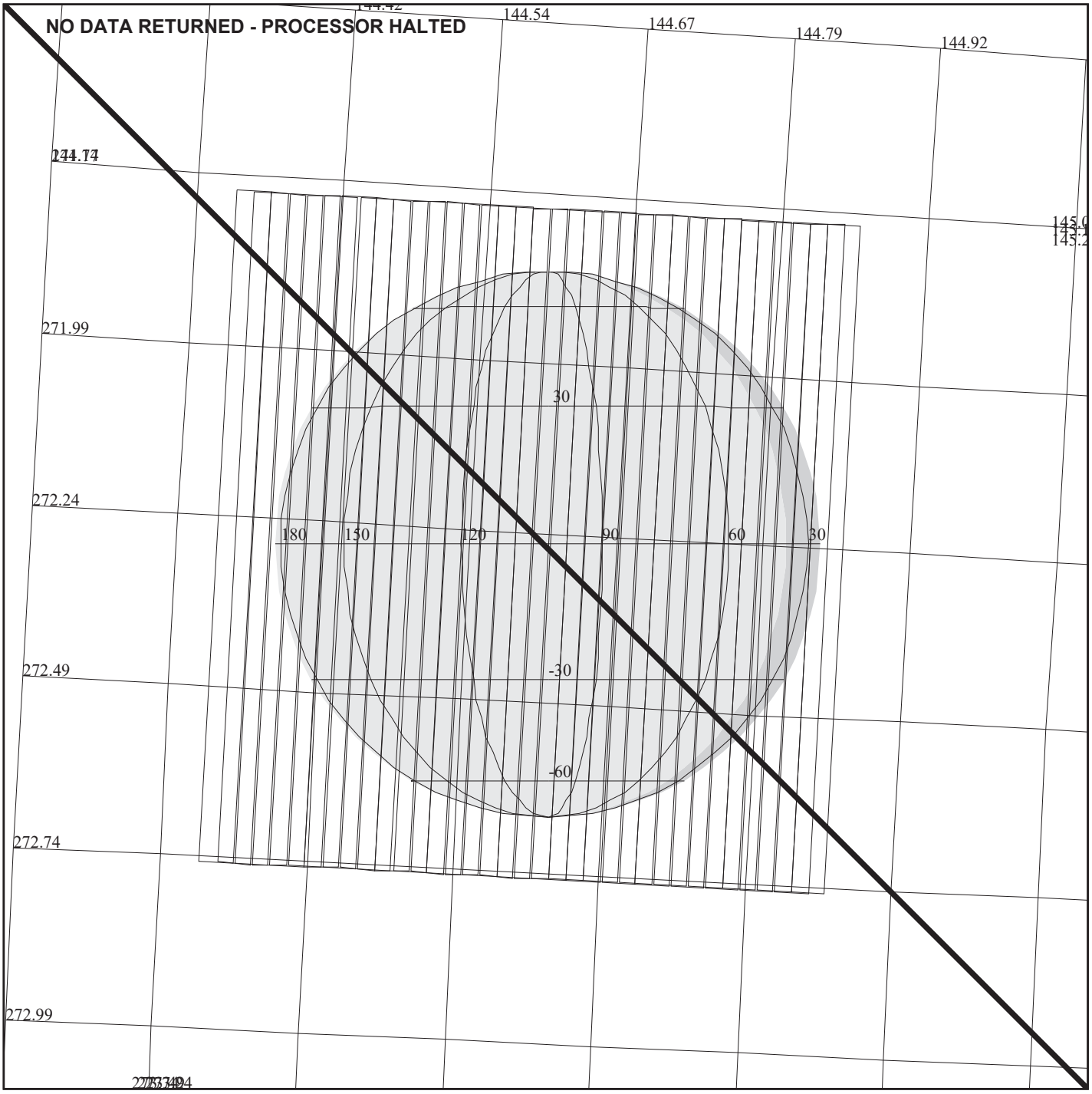

165El:TT= 0 TMC= 1 C= -4.80 XC= 0.00 BS= 0/9255 TC= 3
A= 728 pD= 906 SR=17.450 RA50=350.08 DEC50= -3.41 cone=144.33 clock=272.25
117El:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9255
1:#s= 1 Cs= 9.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 910 rD= 2

10INCHEMIS03

DESIGN G3.2 lisac: 9/26/1997 10: 6:12

FILE:P.10INCHEMIS03

TARGET BODY : IO

MINI:m.10INCHEMIS03

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 -CDS 531:00:0

BODY PLOT TIME:TARGET-TIME D= 906 S= 0.500

OBSERVATION:10INCHEMIS03

DESCRIP:MONITORING OF IO'S DAYSIDE

MONITORING OF IO'S DAYSIDE

ACTIVITY ID: 10INCHEMIS03-
START TIME: 97-261/19:41:58.600

Activity ID: Orbit 10 Target I Inst N OAPEL CHEMIS SeqNo 03 -

Title	MONITORING OF IO'S DAYSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/18/97 Week 38
Start	IEE-CDS 00000536:00:0	97-261/19:41:58.600	IEE-000/09:01:57.333
End	IEE-CDS 00000524:89:0	97-261/19:53:07.267	IEE-000/08:50:48.666
Duration	00000011:02:0	000/00:11:08.667	000/00:11:08.667

Top Label 10INCHEMIS03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	156	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Dayside monitoring covering wide range of longitudes to look for chemical changes (e.g. SO2 distribution) at resolutions better than ~800 km/nimsel (most observations will have resolutions between 120 and 400 km/nimsel).

Processor Halted, No Data Returned

Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G2, C3, E4, E6 and E10 where resolution for lit disk is best.

Long map, 228 wavelengths.
Tracks used per orbit: 0.05 to 0.42.
Bits To Ground per orbit: 0.3 to 2.2 Mbits.

Long Map (LM), Gain 2, Grating Start 0, MPW, ILM442, ILM228

Galileo Activity Plan Form 08/20/97 15:06:41 rev 6/95

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NIMS Health Observation No. 2 ACTIVITY ID: 10NNHEALTH02-
START TIME: 97-261/20:57:48.600

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 02 -

Title	NIMS Health Observation No. 2			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE-CDS 00000131:00:0	97-261/20:57:48.600		JEE-000/02:12:27.333	
End	JEE-CDS 00000126:00:0	97-261/21:02:51.933		JEE-000/02:07:24.000	
Duration	00000005:00:0	000/00:05:03.333		000/00:05:03.333	

Top Label	10NNHEALTH02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

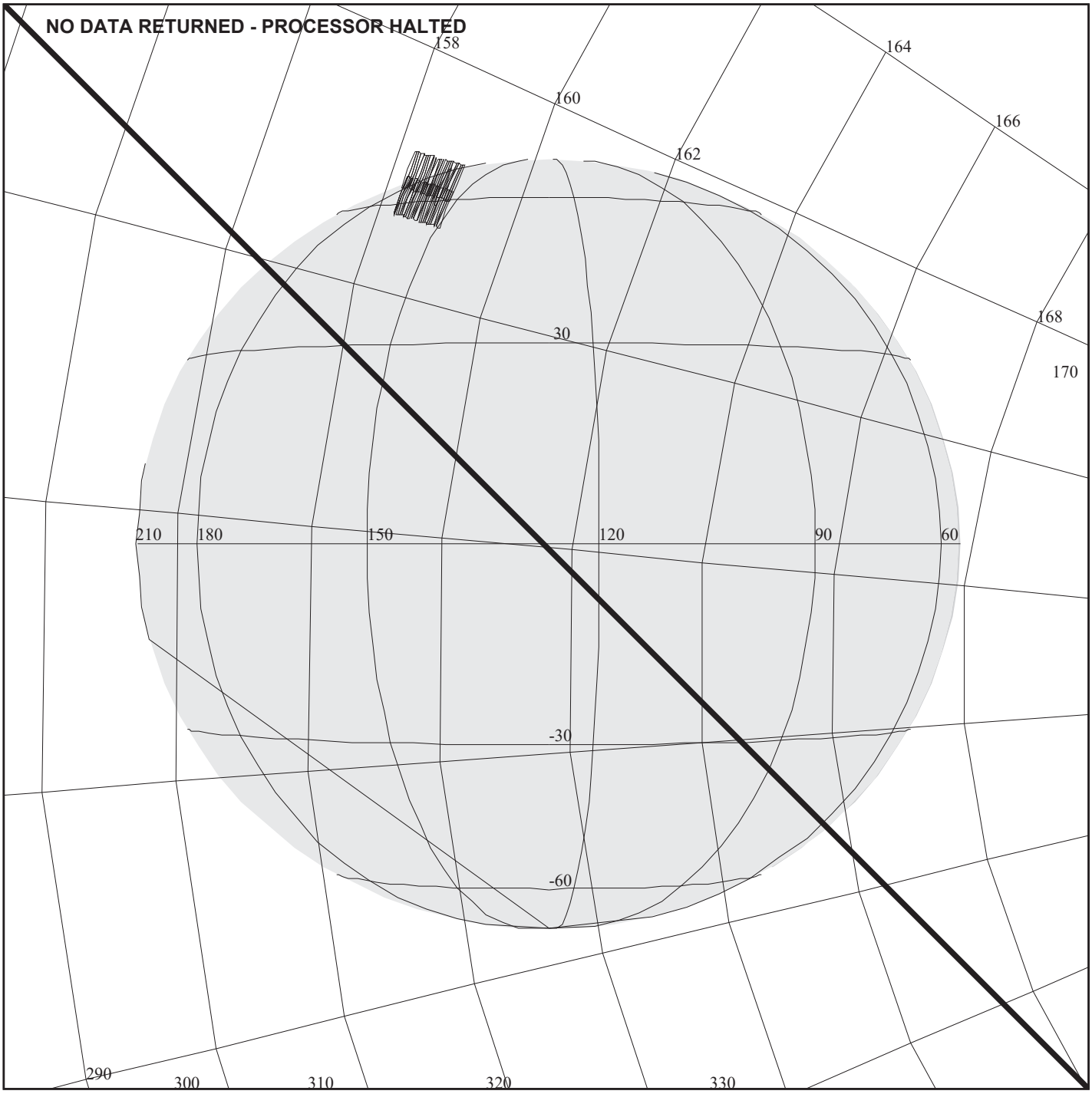
Processor Halted, Bad Data Returned

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

Galileo Activity Plan Form 08/20/97 15:06:42 rev 6/95



165EJ:TT= 0 TMC= 1 C= -4.00 XC= -4.00 BS= 0/8203 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50=333.96 DEC50= -4.68 cone=158.30 clock=254.90
117EJ:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8203
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -13.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA02101

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA02101

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 13:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA02101 **DESCRIP:Jup_Fea_trk_21_deg_phase_01**

Jupiter Feature Track 21 deg phase pt 1 ACTIVITY ID: 10JNFEA02101-
START TIME: 97-261/23:18:21.266

Activity ID: Orbit 10 Target J Inst N OAPEL FEA021 SeqNo 01 -

Title	Jupiter Feature Track 21 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date	09/18/97	Week 38
Start	JEE+CDS 00000008:00:0	97-261/23:18:21.266		JEE+000/00:08:05.333	
End	JEE+CDS 00000017:00:0	97-261/23:27:27.266		JEE+000/00:17:11.333	
Duration	00000009:00:0	000/00:09:06.000		000/00:09:06.000	

Top Label	10JNFEA02101-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 21 degrees. Jupiter imaged in 19 colors, using NIMS downlink wavelength table JFT19A. This observation acquired with North Polar Auroral zone feature near the morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Processor Halted, No Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 0.64 million KM, NIMS IFOV (NIMSel) = 320 KM; 1 X 2 mosaic covers 6400 X 11520 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.19762 MBTG in 19 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD05-
START TIME: 97-261/23:45:39.266

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 05 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/18/97 Week 38
Start	JEE+CDS 00000035:00:0	97-261/23:45:39.266		JEE+000/00:35:23.333	
End	JEE+CDS 00000045:00:0	97-261/23:55:45.933		JEE+000/00:45:30.000	
Duration	00000010:00:0	000/00:10:06.667		000/00:10:06.667	

Top Label	10NNRELOAD05-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

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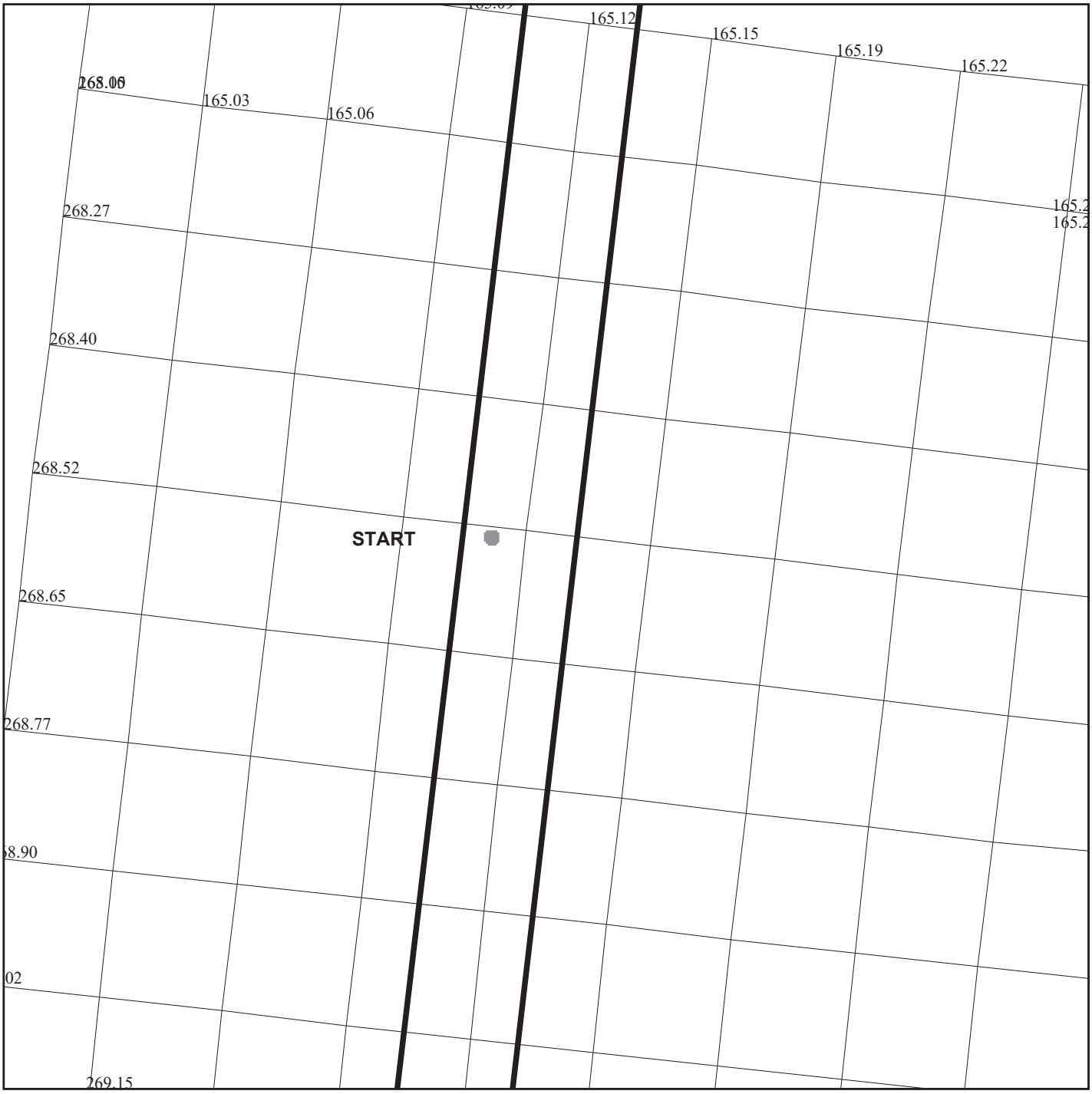

165EK:TT= 0 TMC= 1 C= 0.25 XC= 0.00 BS= 0/5665 TC= 3
A= 182 pD= 60 SR=17.450 RA50=330.95 DEC50=-12.12 cone=165.13 clock=268.53
117EK:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5665
1:#s= 1 Cs= -0.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 60 rD= 2

10SNSMETIS01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10SNSMETIS01

TARGET BODY : METIS

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 54:00:0 **BODY PLOT TIME:TARGET-TIME D= 60 S= 0.015**

OBSERVATION:10SNSMETIS01 **DESCRIP:OBSERVATION_OF_METIS**

NIMS Small Satellite Obs. of Metis ACTIVITY ID: 10SNSMETIS01-
START TIME: 97-262/00:00:49.266

Activity ID: Orbit 10 Target S Inst N OAPEL SMETIS SeqNo 01 -

Title	NIMS Small Satellite Obs. of Metis	Instrument	NIMS
Requestor	NIMS-SWG/J. HUI	Team NIMS	Working Group SWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000050:00:0	97-262/00:00:49.266	JEE+000/00:50:33.333
End	JEE+CDS 00000055:00:0	97-262/00:05:52.599	JEE+000/00:55:36.666
Duration	00000005:00:0	000/00:05:03.333	000/00:05:03.333

Top Label 10SNSMETIS01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	ALL	DMS	No

Observation Objective

To study the composition of the small satellite Metis, which is embedded in the rings. This will tell if it is the body or source of the rings.

Data Returned

Design Detail

Target to Metis and scan across the satellite. Metis is ~290 km per pixel and it is sub-pixel. This observation is highly compressible because of the dark sky. (It could be used as Dark Sky observations.)
NIMS is in Full Map (FM) mode, Slew rate should be in 0.03 mrad/sec. This slew rate is two the Nyquist sampling rate to allow a more enhanced or coadded spectra of the satellites. Gain State should be 4, Chopper reference mode, grating start position is 0, and the grating offset is 4. Record in LPU Mode and there should be two SCIRECs because there is targetting slew between satellites.
Wavelengths expected to be playback is 102 using wavelength table SFM102.

Long Map (LM), Gain 4, Grating Start 0, MPW, SLM442, SLM360

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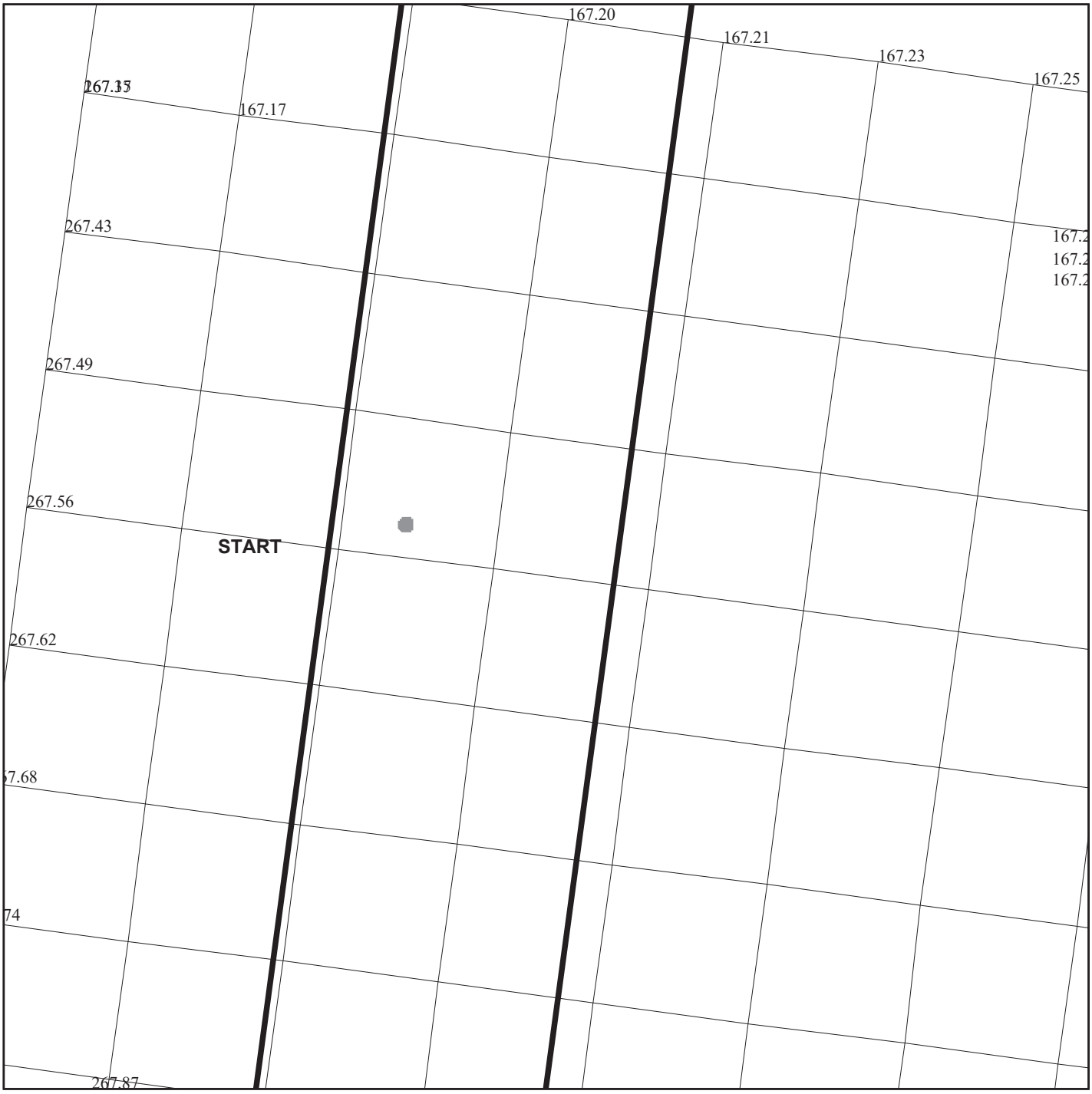

165EL:TT= 0 TMC= 1 C= 0.25 XC= 0.00 BS= 0/6757 TC= 3
A= 728 pD= 60 SR=17.450 RA50=328.98 DEC50=-12.94 cone=167.20 clock=267.54
117EL:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/6757
1:#s= 1 Cs= -0.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 60 rD= 2

10SNADRAST01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10SNADRAST01

TARGET BODY : ADRASTEA

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 60:00:0 **BODY PLOT TIME:TARGET-TIME D= 60 S= 0.015**

OBSERVATION:10SNADRAST01 **DESCRIP:OBSERVATION_OF_ADRASTEA**

Observation of Adrastea

ACTIVITY ID: 10SNADRAST01-
START TIME: 97-262/00:06:53.266

Activity ID: Orbit 10 Target S Inst N OAPEL ADRAST SeqNo 01 -

Title	Observation of Adrastea			Instrument	NIMS
Requestor	NIMS-SWG/JHUI	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000056:00:0	97-262/00:06:53.266	JEE+000/00:56:37.333
End	JEE+CDS 00000061:00:0	97-262/00:11:56.599	JEE+000/01:01:40.666
Duration	00000005:00:0	000/00:05:03.333	000/00:05:03.333

Top Label 10SNADRAST01-
Bottom Label NIMS

Plot Key	NIMS	Type	SCI		
CDS Bytes	373	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To study the composition of the small satellite Adrastea, which is embedded in the rings. This will tell if it is the parent body or source of the rings.

Data Returned

Design Detail

Target to Adrastea and scan across the satellite.
Adrastea is less than one pixel, resolution is ~355 km per pixel.
This observation is highly compressible because of the dark sky.
(It could be used as Dark Sky observations.)
NIMS is in Full Map (FM) mode, Slew rate should be 0.03 mrad/sec.
This slew rate is two the Nyquist sampling rate to allow a more enhanced or coadded spectra of the satellites. Gain State should be 4, Chopper reference mode, grating start position is 0, and the grating offset is 4.
Record in LPU Mode and there should be two SCIRECs because there is targetting slew between satellites.
Wavelengths expected to be playback is 102 using wavelength table SFM102.

Long Map (LM), Gain 4, Grating Start 0, MPW, SLM442, SLM360

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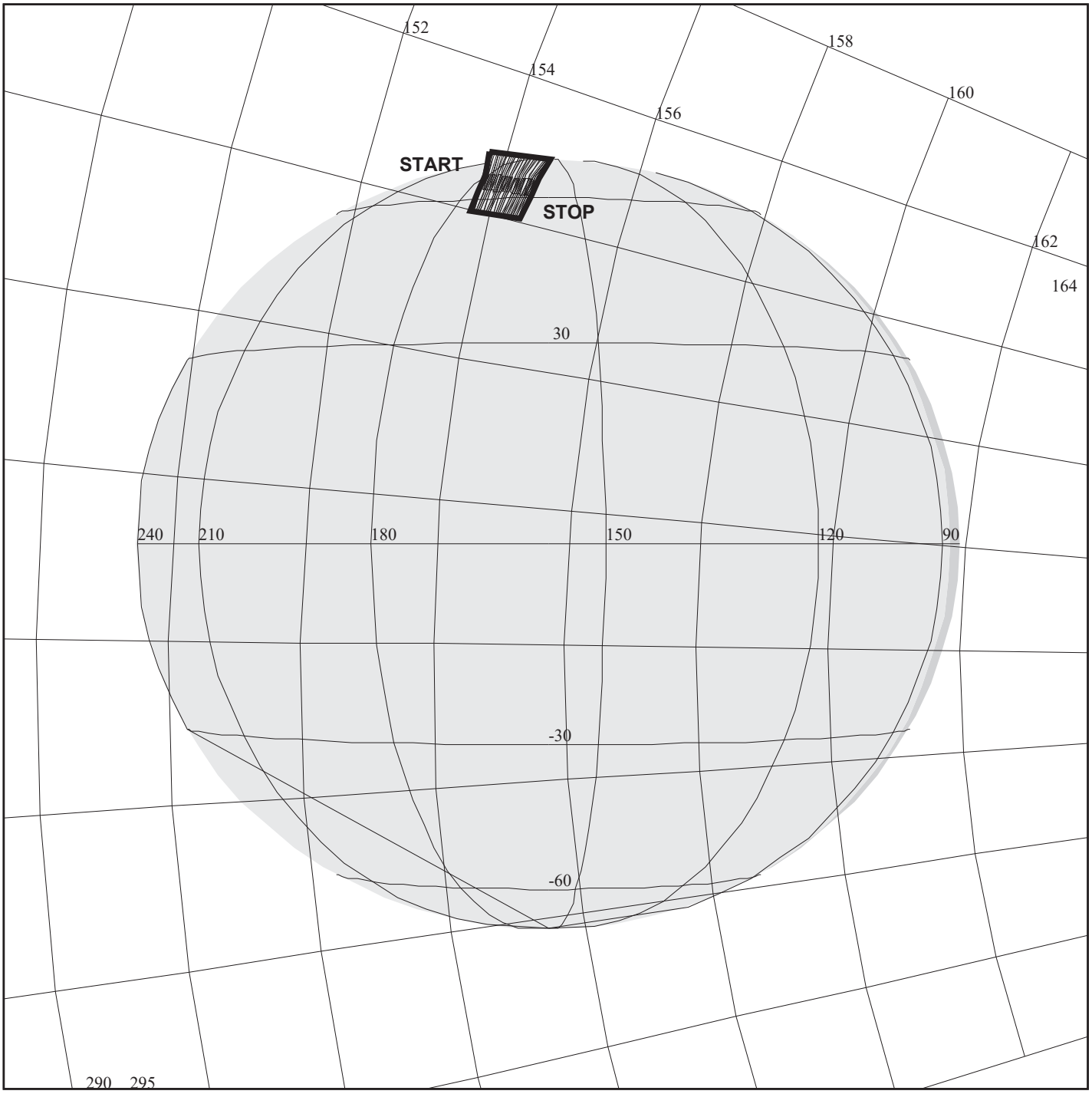

165EM:TT= 0 TMC= 1 C= -6.50 XC= -2.00 BS= 0/9123 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50=338.37 DEC50= -2.81 cone=153.75 clock=258.56
117EM:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/9123
1:#s= 2 Cs= 7.00 XCs= 0.00 Cr= -14.00 XCr= 8.00 sD= 1056 rD= 48

10JNFEASUB01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEASUB01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 73:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEASUB01 **DESCRIP:Jup_Camp_Feat_SubSpectra**

Jupiter Campaign Feature Sub-Spectra ACTIVITY ID: 10JNFEASUB01-
START TIME: 97-262/00:19:01.266

Activity ID: Orbit 10 Target J Inst N OAPEL FEASUB SeqNo 01 -

Title	Jupiter Campaign Feature Sub-Spectra	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000068:00:0	97-262/00:19:01.266	JEE+000/01:08:45.333
End	JEE+CDS 00000085:00:0	97-262/00:36:12.599	JEE+000/01:25:56.666
Duration	00000017:00:0	000/00:17:11.333	000/00:17:11.333

Top Label	10JNFEASUB01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	202	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

High spectral resolution map of North Polar Auroral Zone campaign feature, acquired in several CH4 and H2 absorption features. This single partial-spectra map obtained under good lighting conditions. During this phase angle of about 21 degrees, Jupiter imaged in 80 colors distributed among five spectral regions, using NIMS downlink wavelength table JSB80A.

Data Returned

Design Detail

Long map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral Zone campaign feature at 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance about 0.63 million KM. NIMS IFOV = 315 KM. Map covers 6300 X 11340 KM. About 12 minutes of scanning, accumulating 0.72510 MBTG and using 0.02419 tracks. Four rims reserved for targetting.

Long Map (LM), Gain 2, Grating Start 0, LPU, JSB253A, JSB80A

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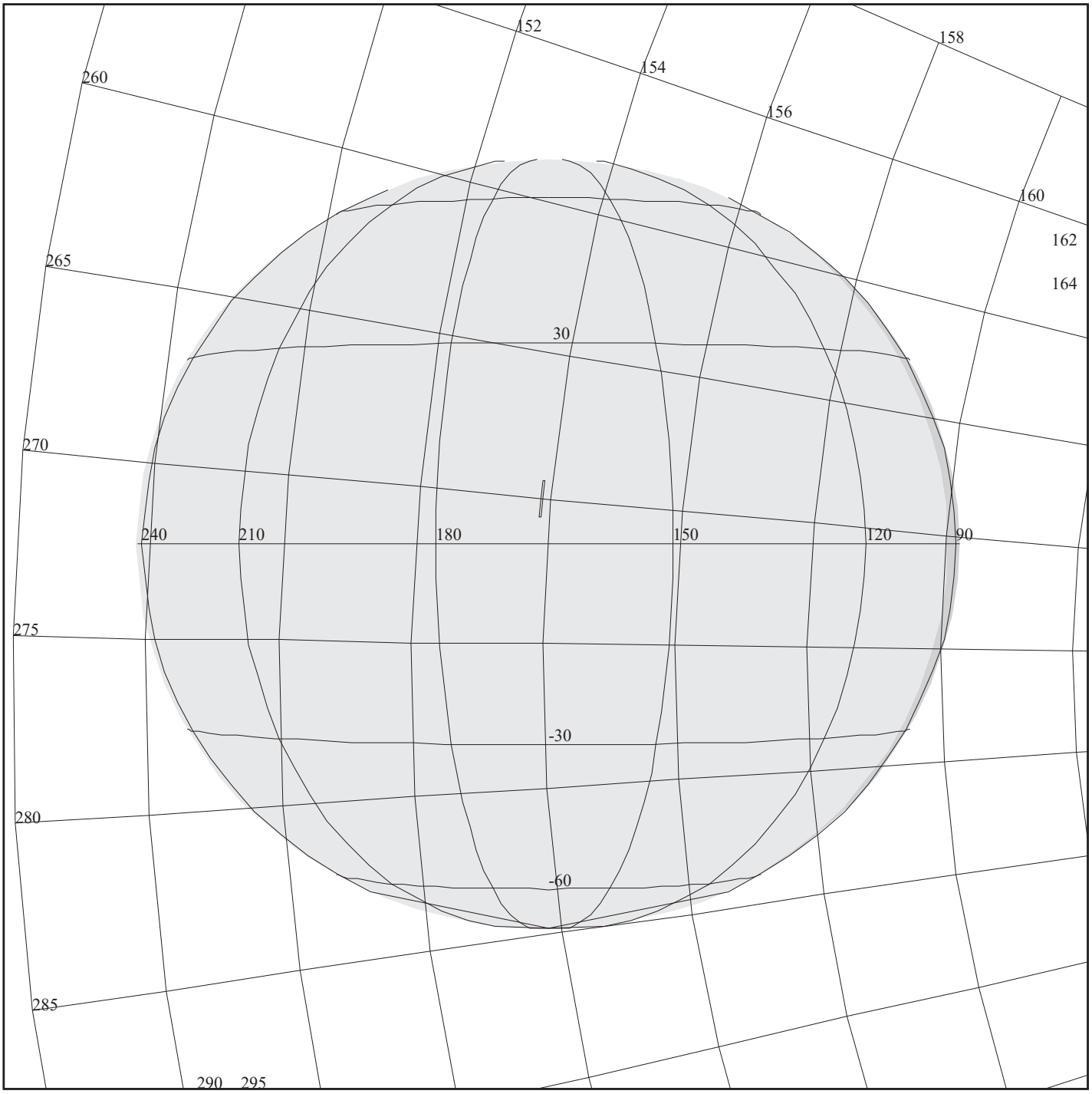

165EY:TT= 0 TMC= 1 C= 0.86 XC= 0.00 BS= 0/2217 TC= 1(6.5 167)
A= 728 pD= 0 SR=17.450 RA50=341.14 DEC50= -7.03 cone=153.87 clock=269.99
117EY:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/2217
1:#s= 1 Cs= -1.78 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 182 rD= 2

10JNRTHOTS03

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNRTHOTS03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 7**

START:JEE 97-261/23:10:15.933 +CDS 90:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNRTHOTS03 **DESCRIP:JUPITER_REAL_TIMEHOTSPOT_OBS_03**

Jupiter Real-Time Hotspot Observation ACTIVITY ID: 10JNRTHOTS03-
START TIME: 97-262/00:36:12.599

Activity ID: Orbit 10 Target J Inst N OAPEL RTHOTS SeqNo 03 -

Title	Jupiter Real-Time Hotspot Observation	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000085:00:0	97-262/00:36:12.599	JEE+000/01:25:56.666
End	JEE+CDS 00000093:00:0	97-262/00:44:17.933	JEE+000/01:34:02.000
Duration	00000008:00:0	000/00:08:05.334	000/00:08:05.334

Top Label	10JNRTHOTS03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Long Map spectra of the Hotspot region at approximately 400 km/pixel on Jupiter. Determination of water and phosphine content within the Hotspot are primary objectives.

Data Returned

Design Detail

Long Map real-time 1-RIM spectra at 4 mirror positions centered on the Hotspot region.
NIMSel coordinates: 285 degrees West longitude, 6.5 degrees North latitude.
Acquired near the central meridian at approximately 93 degrees phase angle.
Spatial resolution: 435 km/pixel.

Mirror Blocked (1B,1B) (11011,11011)

Long Map (LM), Gain 4, Grating Start 0, R/T, RT408

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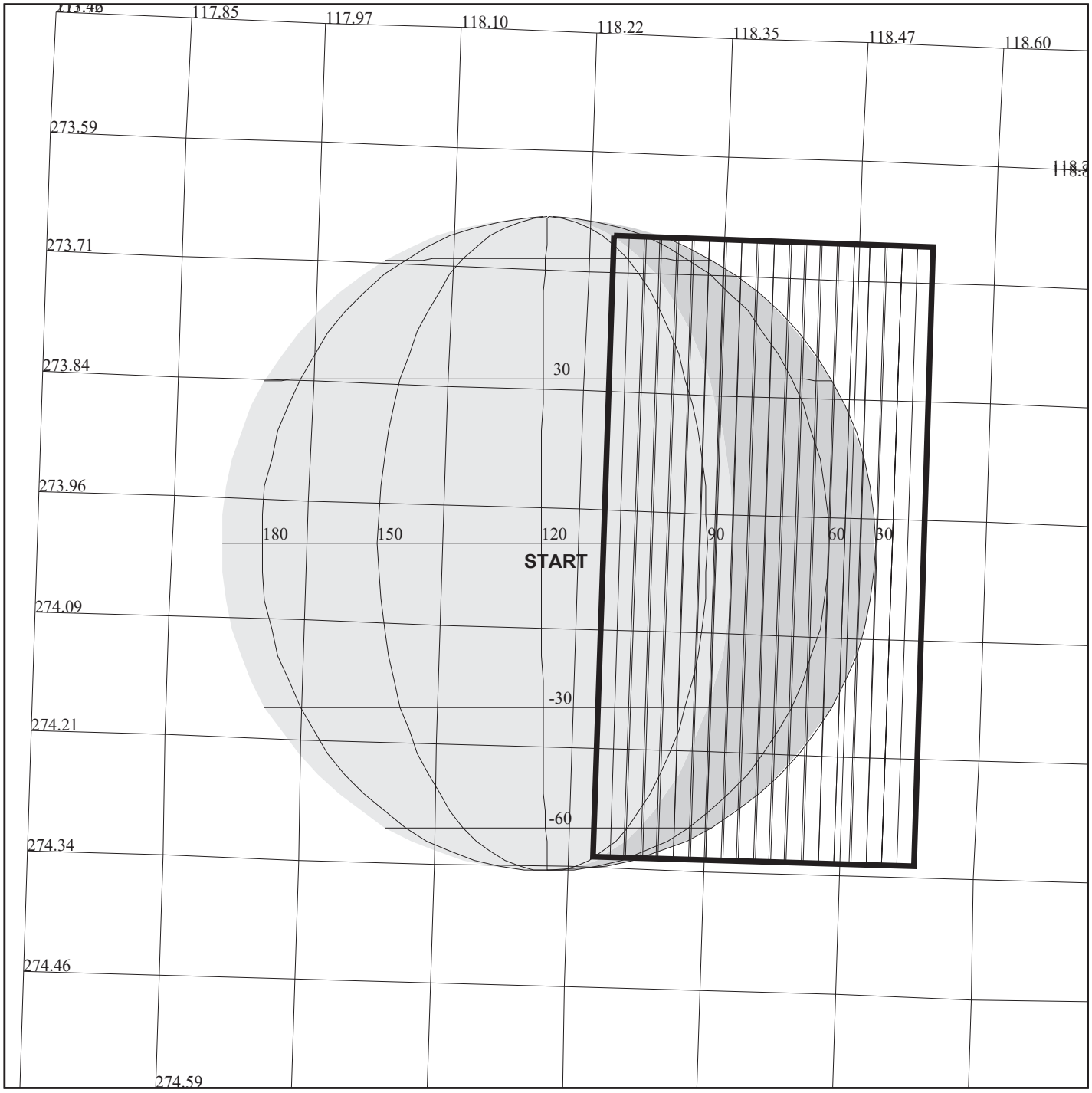

165EO:TT= 0 TMC= 1 C= 1.00 XC= 0.00 BS= 0/4947 TC= 3
A= 546 pD= 512 SR=17.450 RA50= 13.82 DEC50= 7.58 cone=118.25 clock=274.00
117EO:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/4947
1:#s= 1 Cs= 4.80 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 512 rD= 30

10INTHRMAL02

DESIGN G3.2 lisac: 9/26/1997 12:18:16

FILE:P.10INTHRMAL02

TARGET BODY : IO

MINI:m.10INTHRMAL02

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 -CDS 225:00:0

BODY PLOT TIME:TARGET-TIME D= 512 S= 0.600

OBSERVATION:10INTHRMAL02

DESCRIP:MONITORING OF IO'S NIGHTSIDE

MONITORING OF IO'S NIGHTSIDE — ACTIVITY ID: 10INTHRMAL02-
START TIME: 97-262/00:52:23.267

Activity ID: Orbit 10 Target I Inst N OAPEL THRMAL SeqNo 02 -

Title	MONITORING OF IO'S NIGHTSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	IEE-CDS 00000229:00:0	97-262/00:52:23.267		IEE-000/03:51:32.666	
End	IEE-CDS 00000221:06:0	97-262/01:00:24.600		IEE-000/03:43:31.333	
Duration	00000007:85:0	000/00:08:01.333		000/00:08:01.333	

Top Label	10INTHRMAL02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	174	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Thermal monitoring of Io's nightside covering as wide a range of longitudes as possible with resolutions better than ~800 km/nimsel. Objective is to search for and map hot spots, thermal anomalies and outbursts on the surface. Observations will also include the limb to search for auroral effects.

Data Returned

Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G1, C3, and C10 because these have the highest longitudinal coverage and orbits G7 and G8 because these have the best nighttime resolution for LOKI.

Instrument mode: Long Map,
Number of Wavelengths: 228,
Tracks used per orbit: 0.01 to 0.1,
Bits To Ground used per orbit: 0.01 to 0.5 Mbits.

Long Map (LM), Gain 4, Grating Start 0, MPW, ILM442, ILM408

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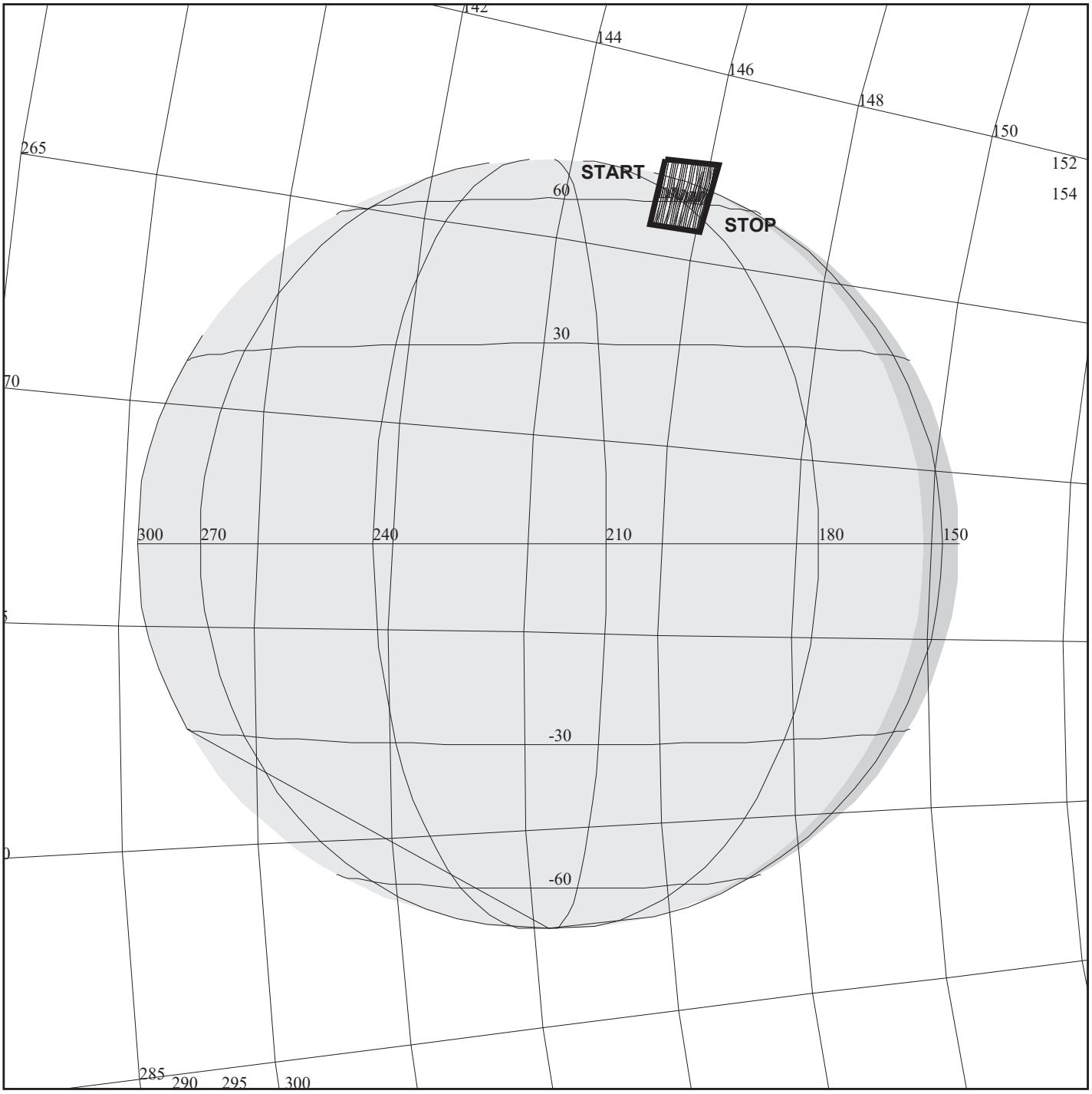


165EP:TT= 0 TMC= 1 C= -7.00 XC= -2.00 BS= 0/0417 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50=346.37 DEC50= 0.55 cone=145.37 clock=262.99
117EP:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/0417
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -13.20 XCr= 8.00 sD= 300 rD= 40

10JNFEA02102

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA02102

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 190:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA02102 **DESCRIP:Jup_Fea_trk_21_deg_phase_02**

Jupiter Feature Track 21 deg phase pt 2 ACTIVITY ID: 10JNFEA02102-
START TIME: 97-262/02:17:19.266

Activity ID: Orbit 10 Target J Inst N OAPEL FEA021 SeqNo 02 -

Title	Jupiter Feature Track 21 deg phase pt 2 Instrument		NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000185:00:0	97-262/02:17:19.266	JEE+000/03:07:03.333
End	JEE+CDS 00000194:00:0	97-262/02:26:25.266	JEE+000/03:16:09.333
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label 10JNFEA02102-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	193	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 21 degrees. Jupiter imaged in 19 colors, using NIMS downlink wavelength table JFT19A. This observation acquired with North Polar Auroral zone feature near the terminator, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

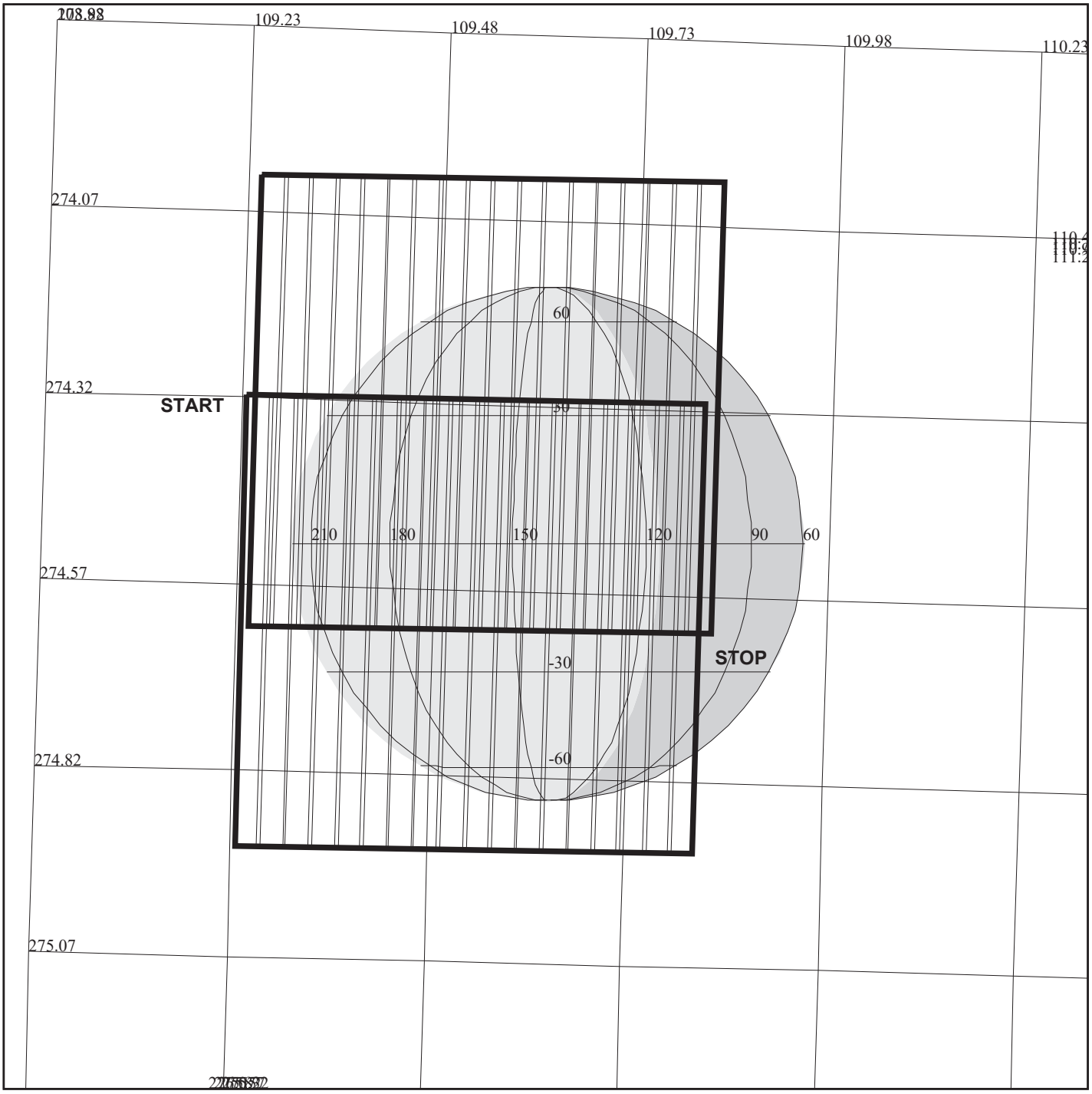
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 0.65 million KM, NIMS IFOV (NIMSel) = 325 KM; 1 X 2 mosaic covers 6500 X 11700 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.19762 MBTG in 19 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95



165EQ:TT= 0 TMC= 1 C= -6.50 XC= -3.00 BS= 0/5715 TC= 3
A= 546 pD= 0 SR=17.450 RA50= 22.18 DEC50= 11.21 cone=109.25 clock=274.33
117EQ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5715
1:#s= 2 Cs= 9.00 XCs= 0.00 Cr= -10.10 XCr= 5.00 sD= 910 rD= 30

10INHRSPEC01

DESIGN G3.2 lisac: 9/26/1997 12:16: 2

FILE:P.10INHRSPEC01

TARGET BODY : IO

MINI:m.10INHRSPEC01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:IEE 97-262/04:43:55.933 -CDS 1:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.470

OBSERVATION:10INHRSPEC01

DESCRIP:HI SPATIAL AND SPECTRAL IO OBS

HIGH SPATIAL & SPECTRAL OBS. OF IO ACTIVITY ID: 10INHRSPEC01-
START TIME: 97-262/04:38:52.600

Activity ID: Orbit 10 Target I Inst N OAPEL HRSPEC SeqNo 01 -

Title	HIGH SPATIAL & SPECTRAL OBS. OF IO	Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team NIMS	Working Group SWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	IEE-CDS 00000005:00:0	97-262/04:38:52.600	IEE-000/00:05:03.333
End	IEE+CDS 00000010:00:0	97-262/04:54:02.599	IEE+000/00:10:06.666
Duration	00000015:00:0	000/00:15:09.999	000/00:15:09.999

Top Label 10INHRSPEC01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	175	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

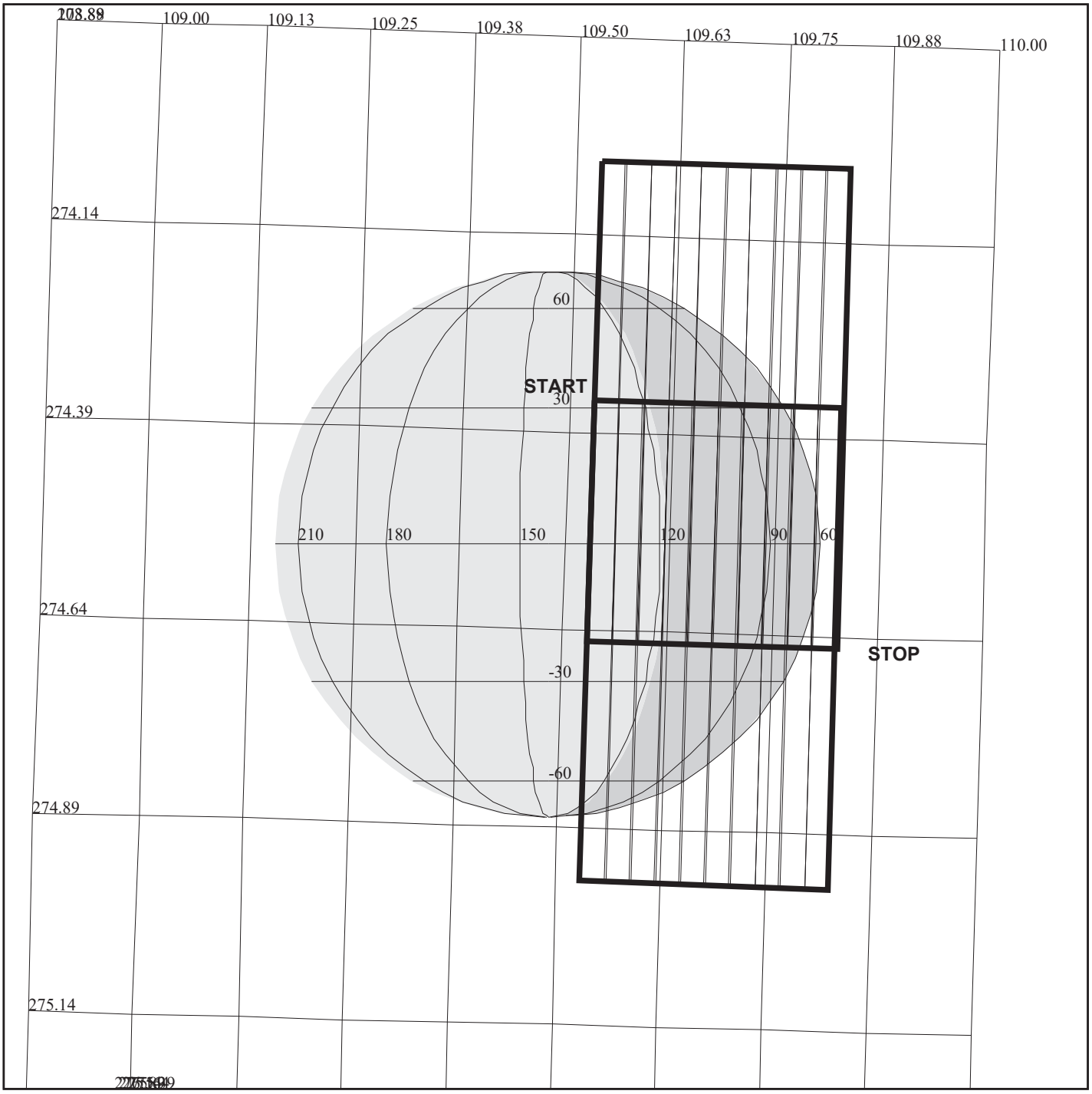
Mapping observation of Io's dayside at high spatial and spectral resolutions. Objective is to search for both known and yet unknown spectral features.

Data Returned

Design Detail

Global mosaic in Long Map (408 wavelengths).

Long Map (LM), Gain 2, Grating Start 0, MPW, ILM442, ILM360



165ER:TT= 0 TMC= 1 C= 1.00 XC= -3.00 BS= 0/8263 TC= 3
A= 546 pD= 1010 SR=17.450 RA50= 21.92 DEC50= 11.08 cone=109.54 clock=274.35
117ER:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/8263
1:#s= 2 Cs= 4.80 XCs= 0.00 Cr= -4.80 XCr= 5.00 sD= 488 rD= 34

10INNSPEC_01

DESIGN G3.2 lisac: 9/26/1997 12:17:21

FILE:P.10INNSPEC_01

TARGET BODY : IO

MINI:m.10INNSPEC_01

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:IEE 97-262/04:43:55.933 +CDS 13:00:0

BODY PLOT TIME:TARGET-TIME D= 1010 S= 0.500

OBSERVATION:10INNSPEC_01

DESCRIP:HI SPATIAL AND SPECTRAL IO OBS

NIGHTSIDE SPECTRA AT HIGH RESOLUTION ACTIVITY ID: 10INNSPEC 01-
START TIME: 97-262/04:54:02.599

Activity ID: Orbit 10 Target I Inst N OAPEL NSPEC SeqNo 01 -

Title	NIGHTSIDE SPECTRA AT HIGH RESOLUTION	Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team NIMS	Working Group SWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	IEE+CDS 00000010:00:0	97-262/04:54:02.599	IEE+000/00:10:06.666
End	IEE+CDS 00000019:47:0	97-262/05:03:39.933	IEE+000/00:19:44.000
Duration	00000009:47:0	000/00:09:37.334	000/00:09:37.334

Top Label	10INNSPEC 01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	168	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Nightside spectra at high spectral resolution and relatively high spatial resolution to look for both known and yet unknown spectral features.

Data Returned

Design Detail

Long Map (408 wavelengths).

Long Map (LM), Gain 4, Grating Start 0, MPW, ILM442, ILM360

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95

NIMS Health Observation No. 3 ACTIVITY ID: 10NNHEALTH03-
START TIME: 97-262/05:27:24.599

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 03 -

Title	NIMS Health Observation No. 3	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System CDS Load ID Calendar Date 09/19/97 Week 38

Start	JEE+CDS 00000373:00:0	97-262/05:27:24.599	JEE+000/06:17:08.666
End	JEE+CDS 00000379:00:0	97-262/05:33:28.599	JEE+000/06:23:12.666
Duration	00000006:00:0	000/00:06:04.000	000/00:06:04.000

Top Label 10NNHEALTH03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

Data Returned

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95

NIMS Software Reload

ACTIVITY ID: 10NNRELOAD06-
START TIME: 97-262/07:43:54.599

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 06 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38

Start	JEE+CDS 00000508:00:0	97-262/07:43:54.599	JEE+000/08:33:38.666
End	JEE+CDS 00000518:00:0	97-262/07:54:01.266	JEE+000/08:43:45.333
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667

Top Label	10NNRELOAD06-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95

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SCITURN

ACTIVITY ID: 10JNSCITRN01-
START TIME: 97-262/08:04:07.933

Activity ID: Orbit 10 Target J Inst N OAPEL SCITRN SeqNo 01 -

Title	SCITURN			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	JEE+CDS 00000528:00:0	97-262/08:04:07.933		JEE+000/08:53:52.000	
End	JEE+CDS 00002329:71:0	97-263/14:25:55.933		JEE+001/15:15:40.000	
Duration	00001801:71:0	001/06:21:48.000		001/06:21:48.000	

Top Label	10JNSCITRN01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

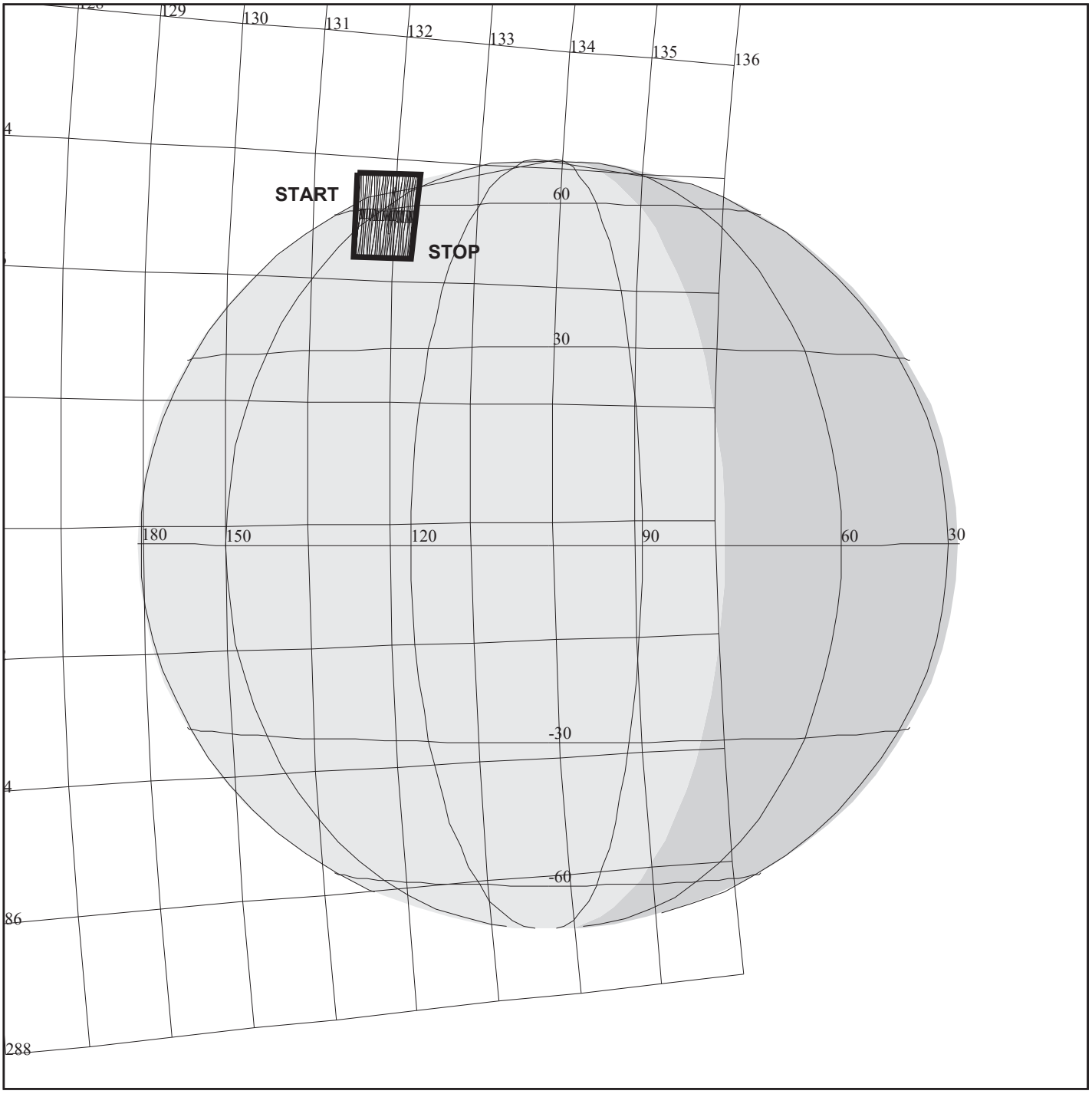
Observation Objective

Science turn to obtain boomless views of Jupiter's night side. THRMNS, THRCYL, FEA53M, FEB5UM, UM3MAP, SPAURN OAPELs all obtained without boom obscuration during this period.

Design Detail

Science observations acquired for 24 hours (last few hours of the 24 are for UVS tour observations). Turn starts 3 hours prior to first science observation. Turn back to Earthline also takes 3 hours. 30 hours total. S/C turned so that 90 degrees cone angle reached at 263/05:35, i.e. at end of last NIMS nightside observation, to ensure boomless data.

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95



165ES:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/4319 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 24.59 DEC50= 16.53 cone=131.54 clock=274.63
117ES:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/4319
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -12.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA07401

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA07401

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 651:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA07401 **DESCRIP:Jup_Fea_trk_74_deg_phase_01**

Jupiter Feature Track 74 deg phase pt 1 ACTIVITY ID: 10JNFEA07401-
START TIME: 97-262/10:03:26.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA074 SeqNo 01 -

Title	Jupiter Feature Track 74 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38
Start	JEE+CDS 00000646:00:0	97-262/10:03:26.599		JEE+000/10:53:10.666	
End	JEE+CDS 00000655:00:0	97-262/10:12:32.599		JEE+000/11:02:16.666	
Duration	00000009:00:0	000/00:09:06.000		000/00:09:06.000	

Top Label 10JNFEA07401-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 74 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near the morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

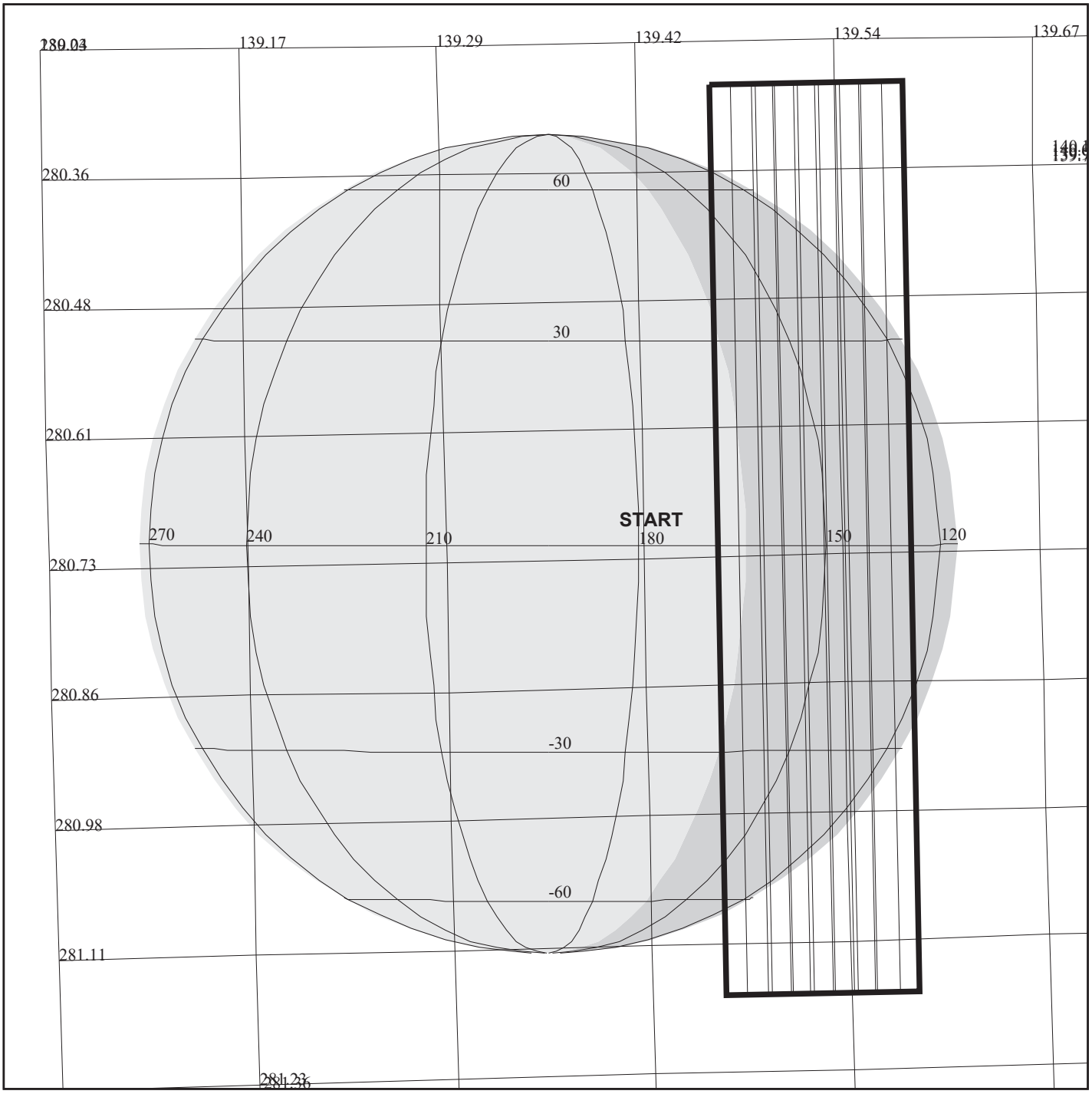
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 0.81 million KM, NIMS IFOV (NIMSel) = 405 KM; 1 X 2 mosaic covers 8100 X 14580 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95



165ET:TT= 0 TMC= 1 C= 2.00 XC= 0.00 BS= 0/5957 TC= 3
A= 364 pD= 0 SR=17.450 RA50= 18.95 DEC50= 9.39 cone=139.47 clock=280.72
117ET:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/5957
1:#s= 1 Cs= 2.10 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 216 rD= 30

10INVOLCAN03

DESIGN G3.2 lisac: 9/26/1997 12:19:27

FILE:P.10INVOLCAN03

TARGET BODY : IO

MINI:m.10INVOLCAN03

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 1**

START:IEE 97-262/04:43:55.933 +CDS 330:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10INVOLCAN03 **DESCRIP:MONITORING OF VOLCANIC REGIONS**

MONITORING OF SELECTED VOLCANIC REGIONS ACTIVITY ID: 10INVOLCAN03-
START TIME: 97-262/10:14:33.933

Activity ID: Orbit 10 Target I Inst N OAPEL VOLCAN SeqNo 03 -

Title	MONITORING OF SELECTED VOLCANIC REGIONS	Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS Working Group SWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	IEE+CDS 00000327:00:0	97-262/10:14:33.933	IEE+000/05:30:38.000
End	IEE+CDS 00000331:41:0	97-262/10:19:03.933	IEE+000/05:35:08.000
Duration	00000004:41:0	000/00:04:30.000	000/00:04:30.000

Top Label 10INVOLCAN03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	181	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To monitor time variations in activity of selected regions
(Loki, Pelee, Kanehekili) using selected wavelengths.

Data Returned

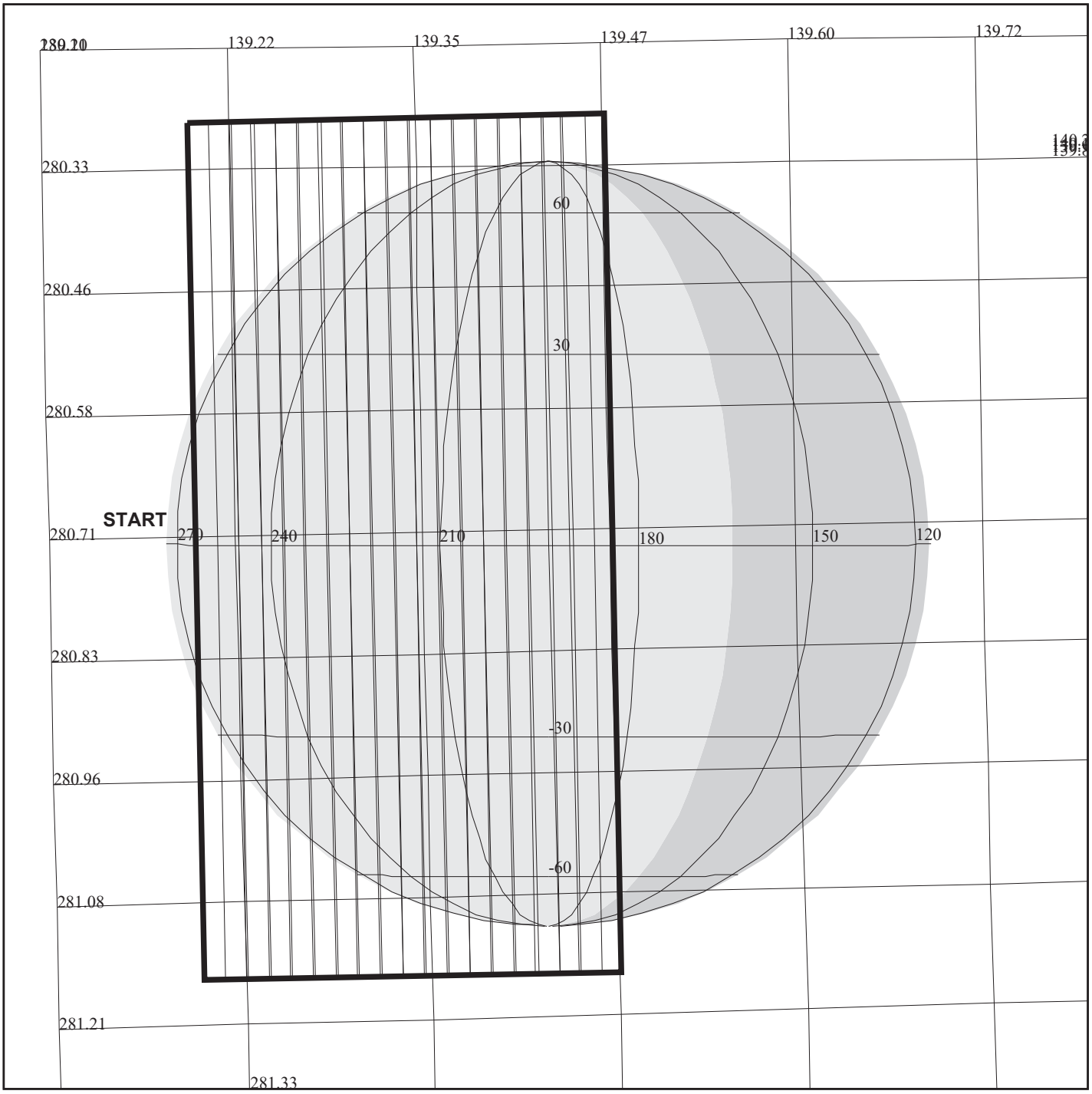
Design Detail

Long Map, 102 wavelengths, 30 secs duration (or less).
Orbit 7 is high priority for Loki region,
will be seen at the best nightside resolution (278 km).
~ 5 observations per orbit.
Tracks: 0.005 per observation.

Locations of features: Kanehekili (-10 d.lat. +40 d. long.)
Pelee (-20 d. lat. -255 d. long.)
Loki (+12 d. lat. 310 d. long.)

Long Map (LM), Gain 4, Grating Start 0, LPU, ILMDK243D, ILMDK102D

Galileo Activity Plan Form 08/20/97 15:06:43 rev 6/95



165EU:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/7231 TC= 3
A= 546 pD= 464 SR=17.450 RA50= 19.21 DEC50= 9.49 cone=139.20 clock=280.72
117EU:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/7231
1:#s= 1 Cs= 4.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 464 rD= 2

10INCHEMIS05

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10INCHEMIS05

TARGET BODY : IO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 +CDS 337:00:0

BODY PLOT TIME:TARGET-TIME D= 464 S= 0.700

OBSERVATION:10INCHEMIS05

DESCRIP:MONITORING OF IO'S DAYSIDE

MONITORING OF IO'S DAYSIDE

ACTIVITY ID: 10INCHEMIS05-
START TIME: 97-262/10:21:38.599

Activity ID: Orbit 10 Target I Inst N OAPEL CHEMIS SeqNo 05 -

Title	MONITORING OF IO'S DAYSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	IEE+CDS 00000334:00:0	97-262/10:21:38.599		IEE+000/05:37:42.666	
End	IEE+CDS 00000339:62:0	97-262/10:27:23.266		IEE+000/05:43:27.333	
Duration	00000005:62:0	000/00:05:44.667		000/00:05:44.667	

Top Label	10INCHEMIS05-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	180	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Dayside monitoring covering wide range of longitudes to look for chemical changes (e.g. SO2 distribution) at resolutions better than ~800 km/nimsel (most observations will have resolutions between 120 and 400 km/nimsel).

Data Returned

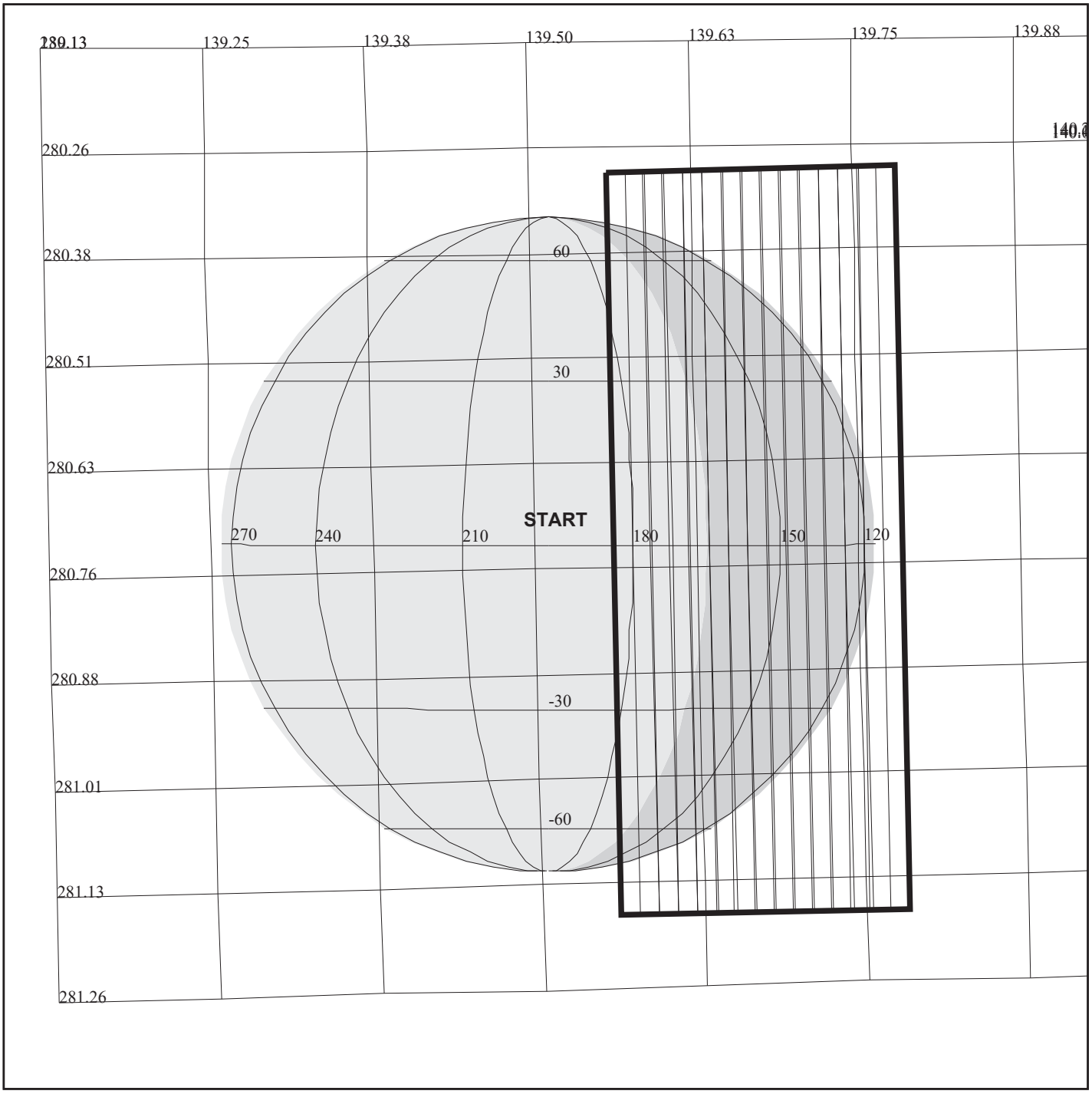
Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G2, C3, E4, E6 and E10 where resolution for lit disk is best.

Long map, 228 wavelengths.
Tracks used per orbit: 0.05 to 0.42.
Bits To Ground per orbit: 0.3 to 2.2 Mbits.

Long Map (LM), Gain 2, Grating Start 0, LPU, ILM243C, ILM228C

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165EV:TT= 0 TMC= 1 C= 1.00 XC= 0.00 BS= 0/8687 TC= 3
A= 182 pD= 364 SR=17.450 RA50= 18.86 DEC50= 9.34 cone=139.57 clock=280.73
117EV:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/8687
1:#s= 1 Cs= 3.60 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 364 rD= 30

10INTHRMAL03

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10INTHRMAL03

TARGET BODY : IO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 1

START:IEE 97-262/04:43:55.933 +CDS 345:00:0

BODY PLOT TIME:TARGET-TIME D= 364 S= 0.600

OBSERVATION:10INTHRMAL03

DESCRIP:MONITORING OF IO'S NIGHTSIDE

MONITORING OF IO'S NIGHTSIDE — ACTIVITY ID: 10INTHRMAL03-
START TIME: 97-262/10:29:43.933

Activity ID: Orbit 10 Target I Inst N OAPEL THRMAL SeqNo 03 -

Title	MONITORING OF IO'S NIGHTSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	IEE+CDS 00000342:00:0	97-262/10:29:43.933		IEE+000/05:45:48.000	
End	IEE+CDS 00000348:09:0	97-262/10:35:53.933		IEE+000/05:51:58.000	
Duration	00000006:09:0	000/00:06:10.000		000/00:06:10.000	

Top Label	10INTHRMAL03-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	174	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Thermal monitoring of Io's nightside covering as wide a range of longitudes as possible with resolutions better than ~800 km/nimsel. Objective is to search for and map hot spots, thermal anomalies and outbursts on the surface. Observations will also include the limb to search for auroral effects.

Data Returned

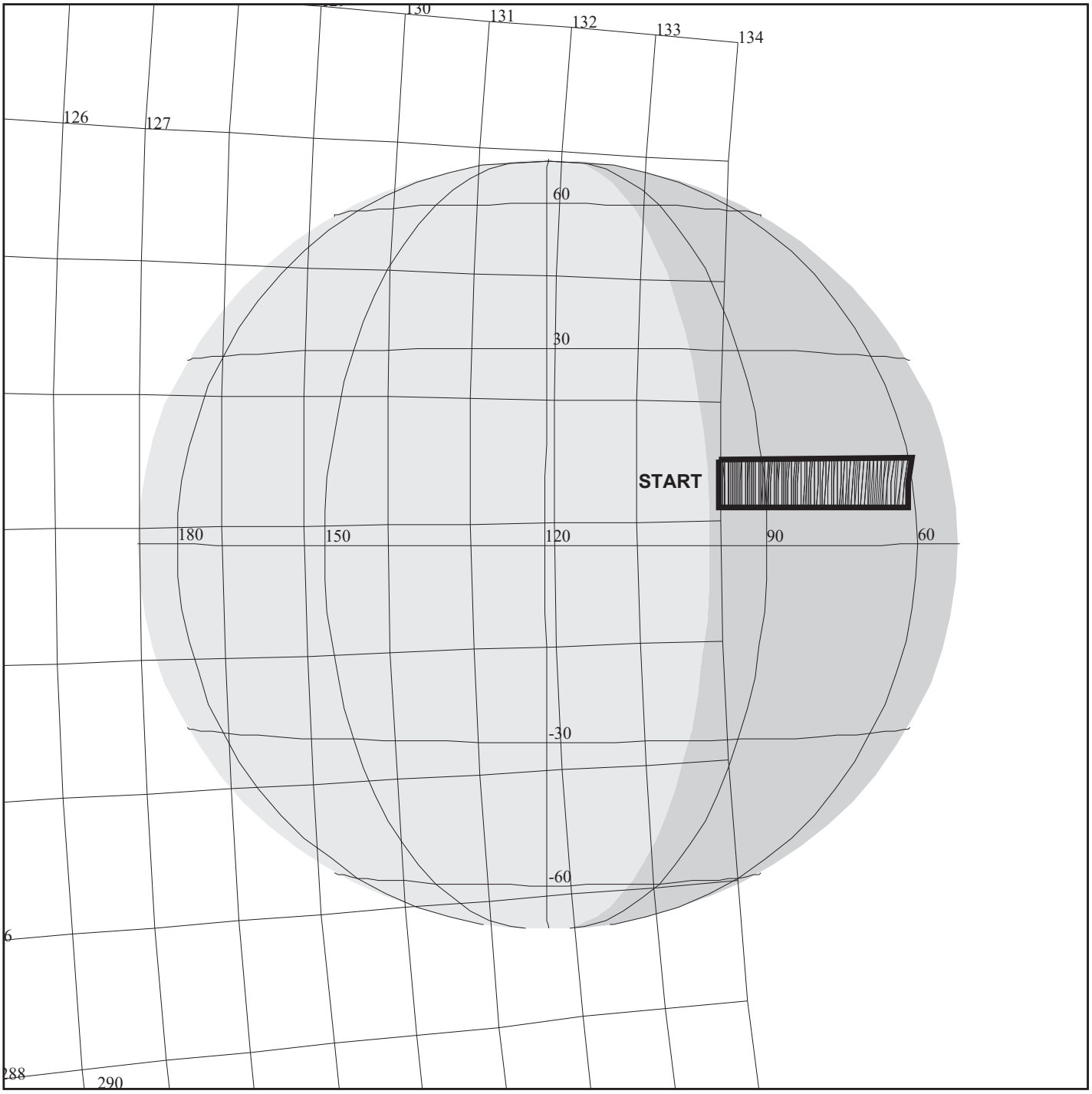
Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G1, C3, and C10 because these have the highest longitudinal coverage and orbits G7 and G8 because these have the best nighttime resolution for LOKI.

Instrument mode: Long Map,
Number of Wavelengths: 228,
Tracks used per orbit: 0.01 to 0.1,
Bits To Ground used per orbit: 0.01 to 0.5 Mbits.

Long Map (LM), Gain 4, Grating Start 0, LPU, ILMDK243D, ILMDK228D

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165EW:TT= 0 TMC= 1 C= 5.00 XC= 0.00 BS= 0/0143 TC= 1(9 100)
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117EW:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/0143
1:#s= 1 Cs= 23.90 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 3600 rD= 2

10JNTHRCYL01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNTHRCYL01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 +CDS 683:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNTHRCYL01

DESCRIP:Jup_Thermal_Cylin_Map_01

Jupiter Thermal Cylindrical Map prt 1 ACTIVITY ID: 10JNTHRCYL01-
START TIME: 97-262/10:35:47.933

Activity ID: Orbit 10 Target J Inst N OAPEL THRCYL SeqNo 01 -

Title	Jupiter Thermal Cylindrical Map prt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38
Start	JEE+CDS 00000678:00:0	97-262/10:35:47.933	JEE+000/11:25:32.000		
End	JEE+CDS 00000712:00:0	97-262/11:10:10.599	JEE+000/11:59:54.666		
Duration	00000034:00:0	000/00:34:22.666	000/00:34:22.666		

Top Label 10JNTHRCYL01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Part one of 7 OAPELS constituting the Jupiter Cylindrical map of the 6.5 degrees north latitude Hotspot region to assess lower-tropispheric properties such as phosphine and water abundance variation with longitude, and 5-micronmeter variability of ammonia cloud opacity.
Night time observation near 26 degrees relative longitude 10 degrees to the east of the terminator obtained during 74 degree phase angle opportunity near 11.8 Rj using NIMS wavelength table J5M80B spanning 4.279. - 5.22 microns.
Equatorial longitude approximately 100 degrees west longitude.

Data Returned

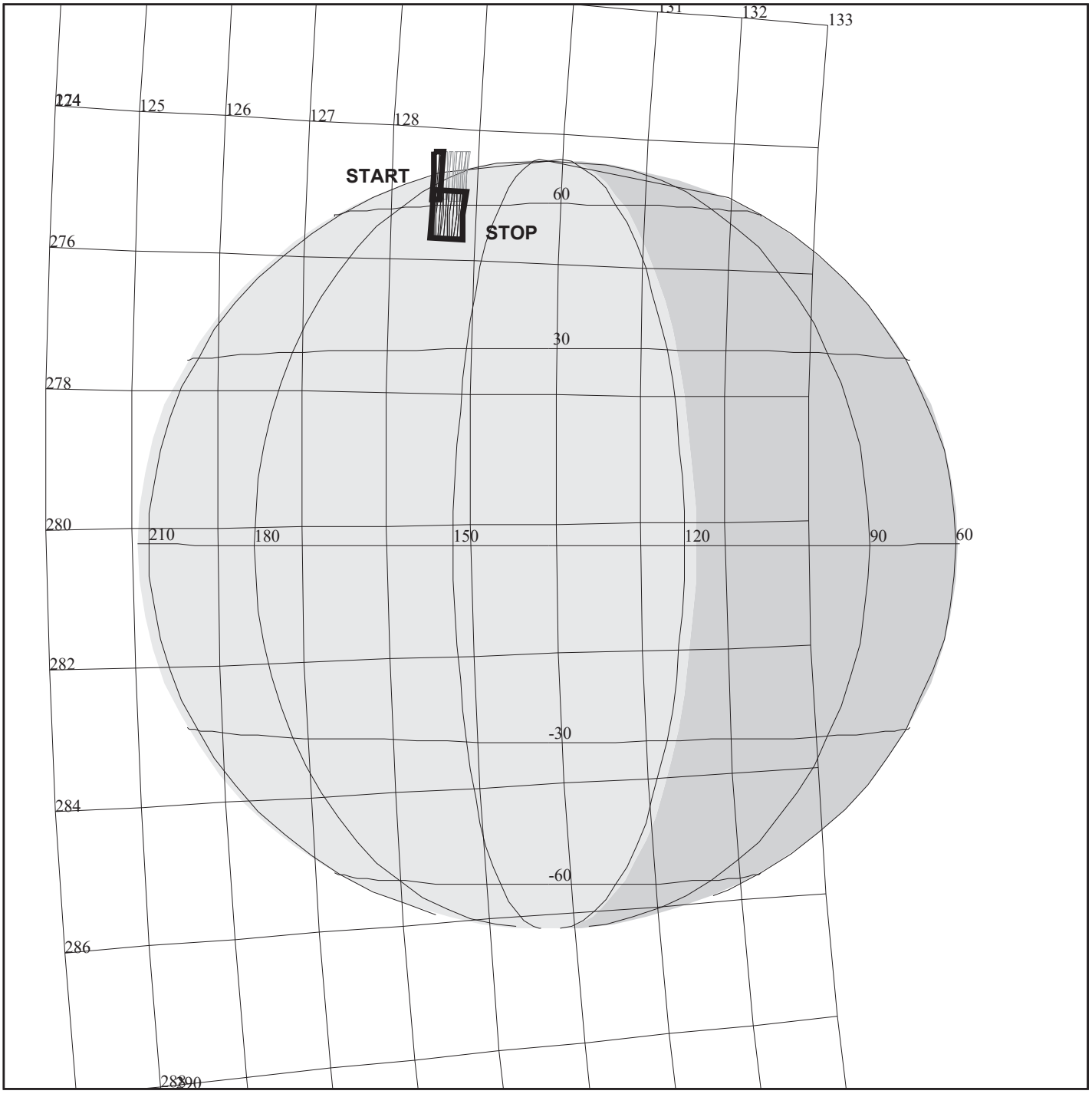
Design Detail

Long map, Nyquist sampled observation of 5 X 1 (50 mrad X 10 mrad) area centered near 6.5 degrees north latitude, 100 degrees west longitude, covering about 30 degrees of longitude at about 420 KM IFOV spatial resolution. Science scan casts 200 X 8.666 = 1732 secs = 28:52 =28:50 CDS accumulating 1.7443 MBTG in 80 colors, and using 0.05819 tracks.
Four rims available for targetting.

NOTE: Duration now about 20 RIMS

Long Map (LM), Gain 4, Grating Start 0, LPU, J5M253B, J5M253B

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165EX:TT= 0 TMC= 1 C= -3.00 XC= -3.00 BS= 0/6149 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 27.50 DEC50= 17.77 cone=128.49 clock=274.72
117EX:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/6149
1:#s= 2 Cs= 5.90 XCs= 0.00 Cr= -6.50 XCr= 8.00 sD= 164 rD= 32

10JNFEA07402

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA07402

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 +CDS 716:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNFEA07402

DESCRIP:Jup_Fea_trk_74_deg_phase_02

Jupiter Feature Track 74 deg phase pt 2 ACTIVITY ID: 10JNFEA07402-
START TIME: 97-262/11:10:10.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA074 SeqNo 02 -

Title	Jupiter Feature Track 74 deg phase pt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000712:00:0	97-262/11:10:10.599	JEE+000/11:59:54.666
End	JEE+CDS 00000720:00:0	97-262/11:18:15.933	JEE+000/12:08:00.000
Duration	00000008:00:0	000/00:08:05.334	000/00:08:05.334

Top Label 10JNFEA07402-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 74 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near minimum airmass, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

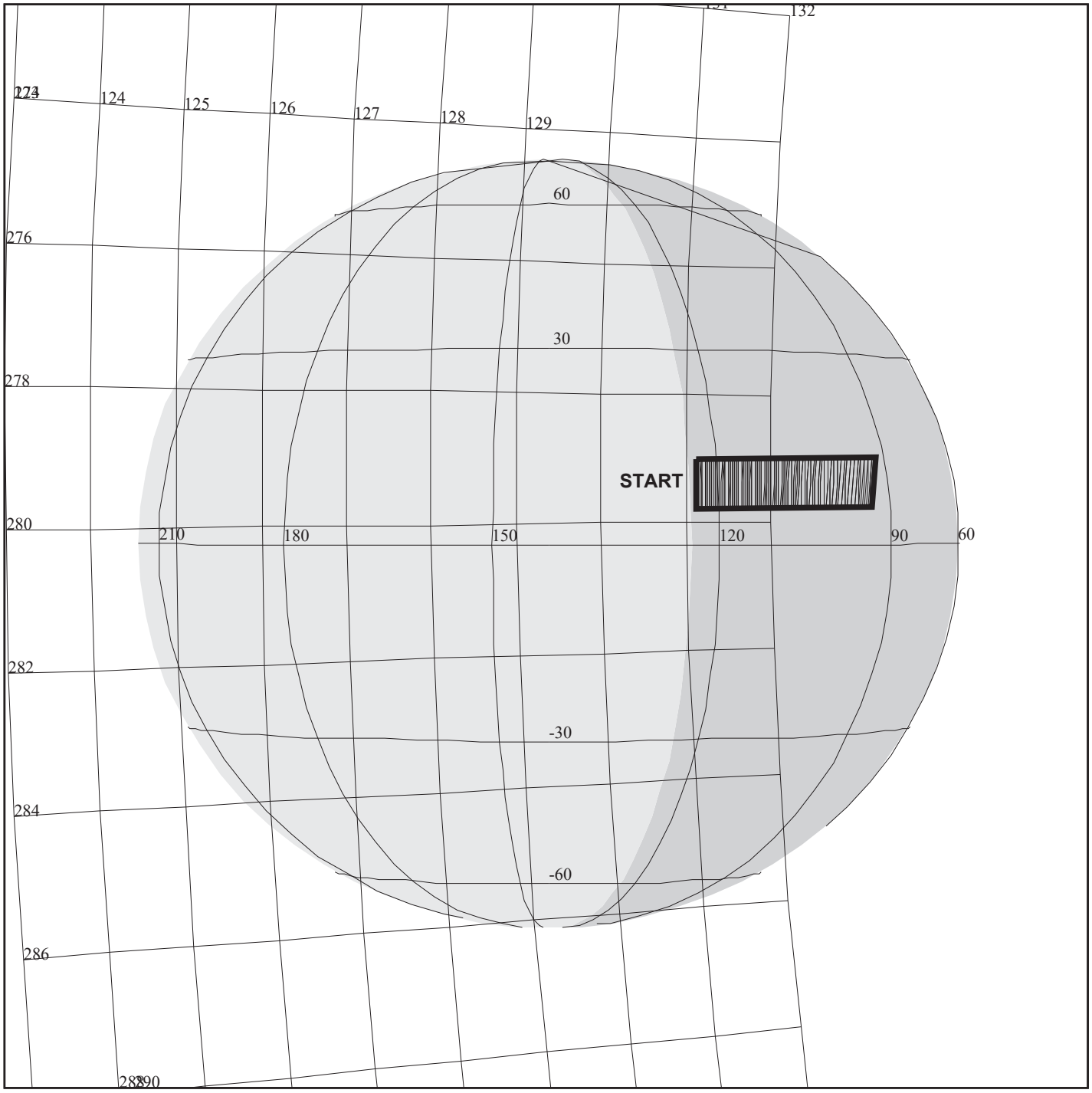
Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 0.82 million KM, NIMS IFOV (NIMSel) = 410 KM; 1 X 2 mosaic covers 8200 X 14760 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Large portion of top swath lost in data gap.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165EZ:TT= 0 TMC= 1 C= 3.00 XC= 0.00 BS= 0/7787 TC= 1(9 125)
A= 728 pD= 0 SR=17.450 RA50= 26.47 DEC50= 13.42 cone=131.13 clock=279.40
117EZ:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/7787
1:#s= 1 Cs= 23.90 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 3600 rD= 2

10JNTHRCYL02

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNTHRCYL02

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 725:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNTHRCYL02 **DESCRIP:Jup_Thermal_Cylin_Map_02**

Jupiter Thermal Cylindrical Map prt 2 ACTIVITY ID: 10JNTHRCYL02-
START TIME: 97-262/11:18:15.933

Activity ID: Orbit 10 Target J Inst N OAPEL THRCYL SeqNo 02 -

Title	Jupiter Thermal Cylindrical Map prt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000720:00:0	97-262/11:18:15.933	JEE+000/12:08:00.000
End	JEE+CDS 00000750:00:0	97-262/11:48:35.933	JEE+000/12:38:20.000
Duration	00000030:00:0	000/00:30:20.000	000/00:30:20.000

Top Label 10JNTHRCYL02-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Part two of 7 OAPELS constituting the Jupiter Cylindrical map of the 6.5 degrees north latitude Hotspot region to assess lower-tropispheric properties such as phosphine and water abundance variation with longitude, and 5-micronmeter variability of ammonia cloud opacity. Night time observation near 26 degrees realtive longitude 10 degrees to the east of the terminator obtained during 74 degree phase angle opportunity near 11.8 Rj using NIMS wavelength table J5M80B spanning 4.279. - 5.22 microns. Equatorial longitude approximately 125 degrees west longitude.

Data Returned

Design Detail

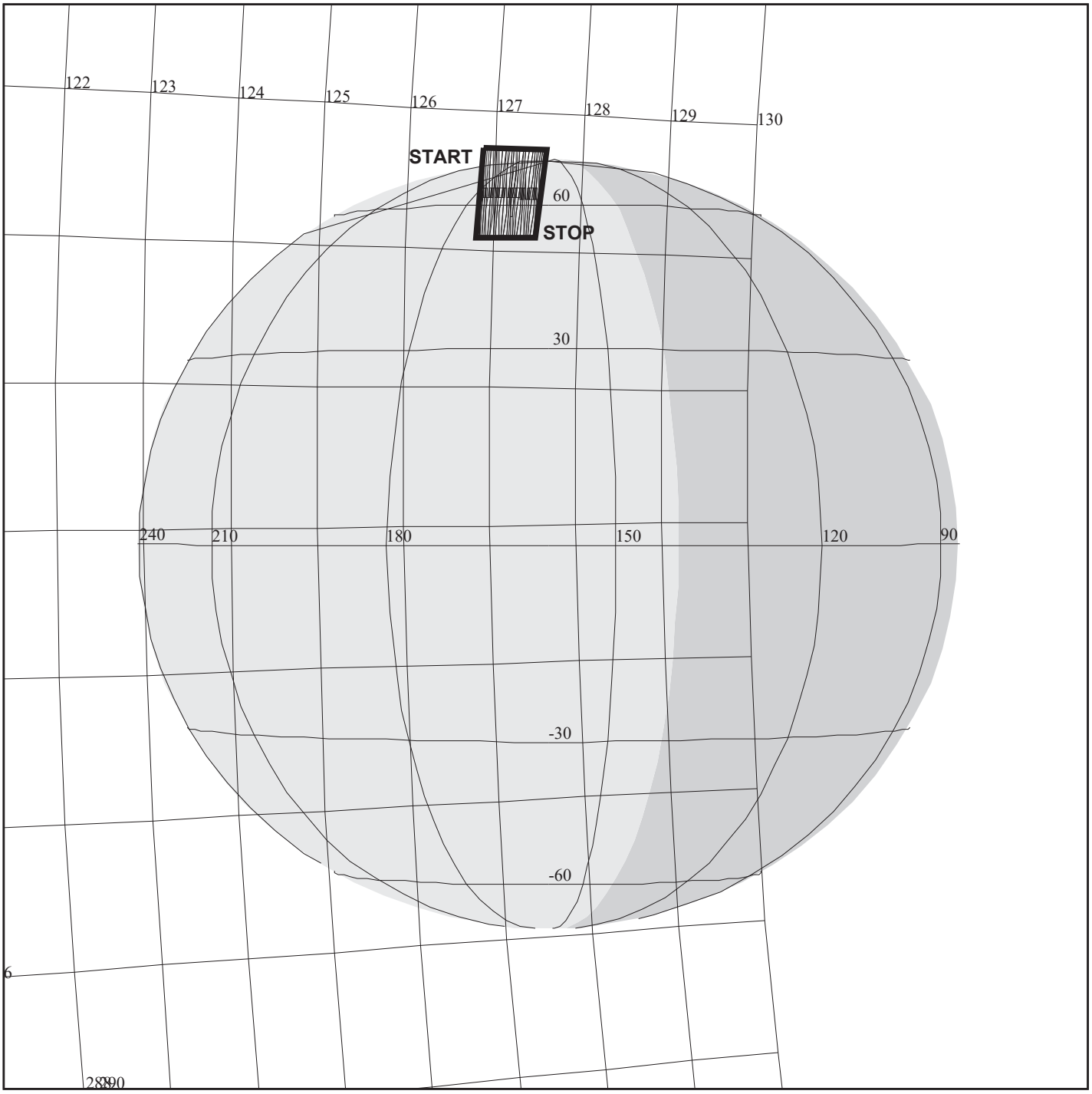
Long map, Nyquist sampled observation of 5 X 1 (50 mrad X 10 mrad) area centered near 6.5 degrees north latitude, 125 degrees west longitude, covering about 30 degrees of longitude at about 420 KM IFOV spatial resolution. Science scan casts 200 X 8.666 = 1732 secs = 28:52 =28:50 CDS accumulating 1.7443 MBTG in 80 colors, and using 0.05819 tracks.

Four rims available for targetting.

NOTE: Duration now about 20 RIMS.

Long Map (LM), Gain 4, Grating Start 0, LPU, J5M253B, J5M127B

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165FA:TT= 0 TMC= 1 C= -6.00 XC= -3.00 BS= 0/3065 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 29.13 DEC50= 18.31 cone=126.85 clock=274.89
117FA:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/3065
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -12.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA07403

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA07403

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 +CDS 754:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNFEA07403

DESCRIP:Jup_Fea_trk_74_deg_phase_03

Jupiter Feature Track 74 deg phase pt 3 ACTIVITY ID: 10JNFEA07403-
START TIME: 97-262/11:48:35.933

Activity ID: Orbit 10 Target J Inst N OAPEL FEA074 SeqNo 03 -

Title	Jupiter Feature Track 74 deg phase pt 3 Instrument		NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS Working Group	AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000750:00:0	97-262/11:48:35.933	JEE+000/12:38:20.000
End	JEE+CDS 00000758:00:0	97-262/11:56:41.266	JEE+000/12:46:25.333
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333

Top Label 10JNFEA07403-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the third of three observations obtained on a rotation with phase angle approximately 74 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near the terminator, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

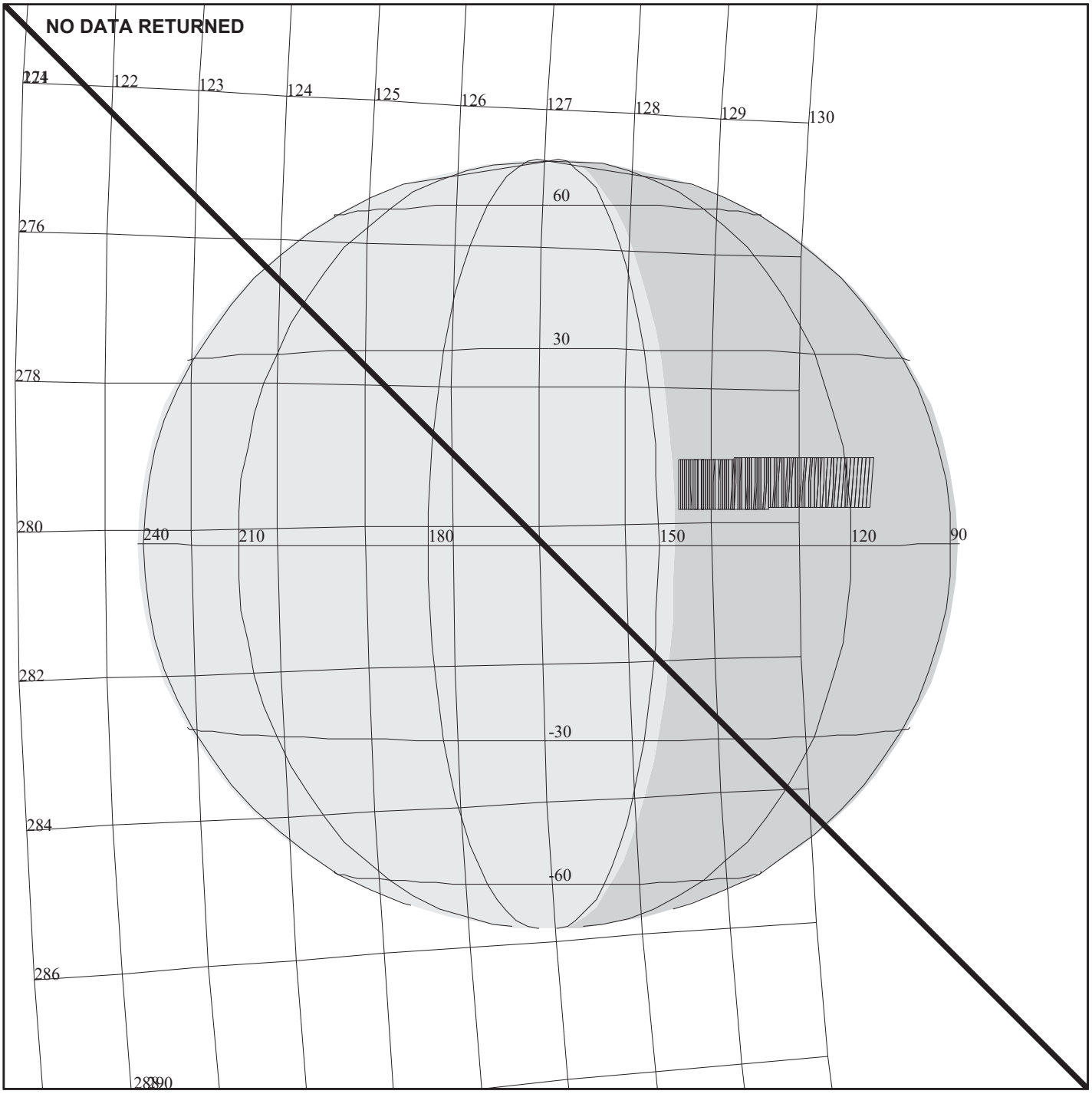
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude.
Spacecraft distance 0.83 million KM, NIMS IFOV (NIMSel) = 415 KM;
1 X 2 mosaic covers 8300 X 14940 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks.
Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165FB:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/4885 TC= 1(9 147)
A= 182 pD= 0 SR=17.450 RA50= 28.87 DEC50= 14.33 cone=128.62 clock=279.42
117FB:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/4885
1:#s= 1 Cs= 25.90 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 3894 rD= 2

10JNTHRCYL03

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNTHRCYL03

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 +CDS 764:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNTHRCYL03

DESCRIP:Jup_Thermal_Cylin_Map_03

Jupiter Thermal Cylindrical Map prt 3 ACTIVITY ID: 10JNTHRCYL03-
START TIME: 97-262/11:59:43.266

Activity ID: Orbit 10 Target J Inst N OAPEL THRCYL SeqNo 03 -

Title	Jupiter Thermal Cylindrical Map prt 3	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000761:00:0	97-262/11:59:43.266	JEE+000/12:49:27.333
End	JEE+CDS 00000793:00:0	97-262/12:32:04.599	JEE+000/13:21:48.666
Duration	00000032:00:0	000/00:32:21.333	000/00:32:21.333

Top Label 10JNTHRCYL03-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Part three of 7 OAPELS constituting the Jupiter Cylindrical map of the 6.5 degrees north latitude Hotspot region to assess lower-tropispheric properties such as phosphine and water abundance variation with longitude, and 5-micronmeter variability of ammonia cloud opacity.
Night time observation near 26 degrees realtive longitude 10 degrees to the east of the terminator obtained during 74 degree phase angle opportunity near 11.8 Rj using NIMS wavelength table J5M80B spanning 4.279. - 5.22 microns. Equatorial longitude approximately 150 degrees west longitude.

No Data Returned

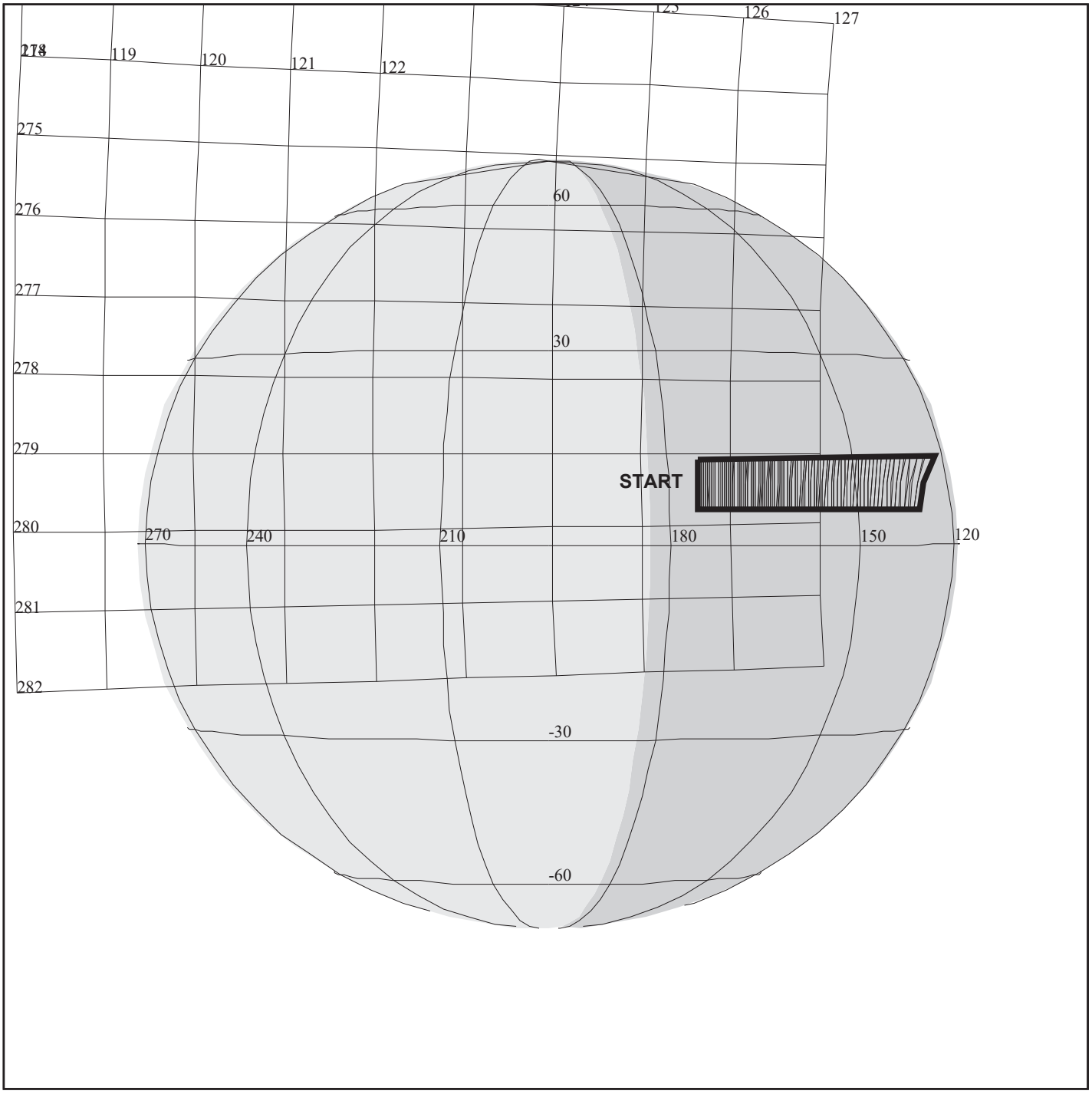
Design Detail

Long map, Nyquist sampled observation of 5 X 1 (50 mrad X 10 mrad) area centered near 6.5 degrees north latitude, 150 degrees west longitude, covering about 30 degrees of longitude at about 420 KM IFOV spatial resolution. Science scan casts 200 X 8.666 = 1732 secs = 28:52 =28:50 CDS accumulating 1.7443 MBTG in 80 colors, and using 0.05819 tracks. Targetting time has been reduced to 1 rim.

NOTE: Duration now about 21 RIMS.

Long Map (LM), Gain 4, Grating Start 0, LPU, J5M253B, J5M253B

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165FE:TT= 0 TMC= 1 C= -1.00 XC= 0.00 BS= 0/5259 TC= 1(9 175)
A= 728 pD= 0 SR=17.450 RA50= 31.74 DEC50= 15.38 cone=125.66 clock=279.44
117FE:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/5259
1:#s= 1 Cs= 27.00 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 4056 rD= 2

10JNTHRCYL04

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNTHRCYL04

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:JEE 97-261/23:10:15.933 +CDS 821:00:0

BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750

OBSERVATION:10JNTHRCYL04

DESCRIP:Jup_Thermal_Cylin_Map_04

Jupiter Thermal Cylindrical Map prt 4 ACTIVITY ID: 10JNTHRCYL04-
START TIME: 97-262/12:53:18.599

Activity ID: Orbit 10 Target J Inst N OAPEL THRCYL SeqNo 04 -

Title	Jupiter Thermal Cylindrical Map prt 4	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00000814:00:0	97-262/12:53:18.599	JEE+000/13:43:02.666
End	JEE+CDS 00000847:00:0	97-262/13:26:40.599	JEE+000/14:16:24.666
Duration	00000033:00:0	000/00:33:22.000	000/00:33:22.000

Top Label 10JNTHRCYL04-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	177	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Part four of 7 OAPELS constituting the Jupiter Cylindrical map of the 6.5 degrees north latitude Hotspot region to assess lower-tropispheric properties such as phosphine and water abundance variation with longitude, and 5-micronmeter variability of ammonia cloud opacity.
Night time observation near 26 degrees realtive longitude 10 degrees to the east of the terminator obtained during 74 degree phase angle opportunity near 11.8 Rj using NIMS wavelength table J5M80B spanning 4.279. - 5.22 microns. Equatorial longitude approximately 175 degrees west longitude.

Data Returned

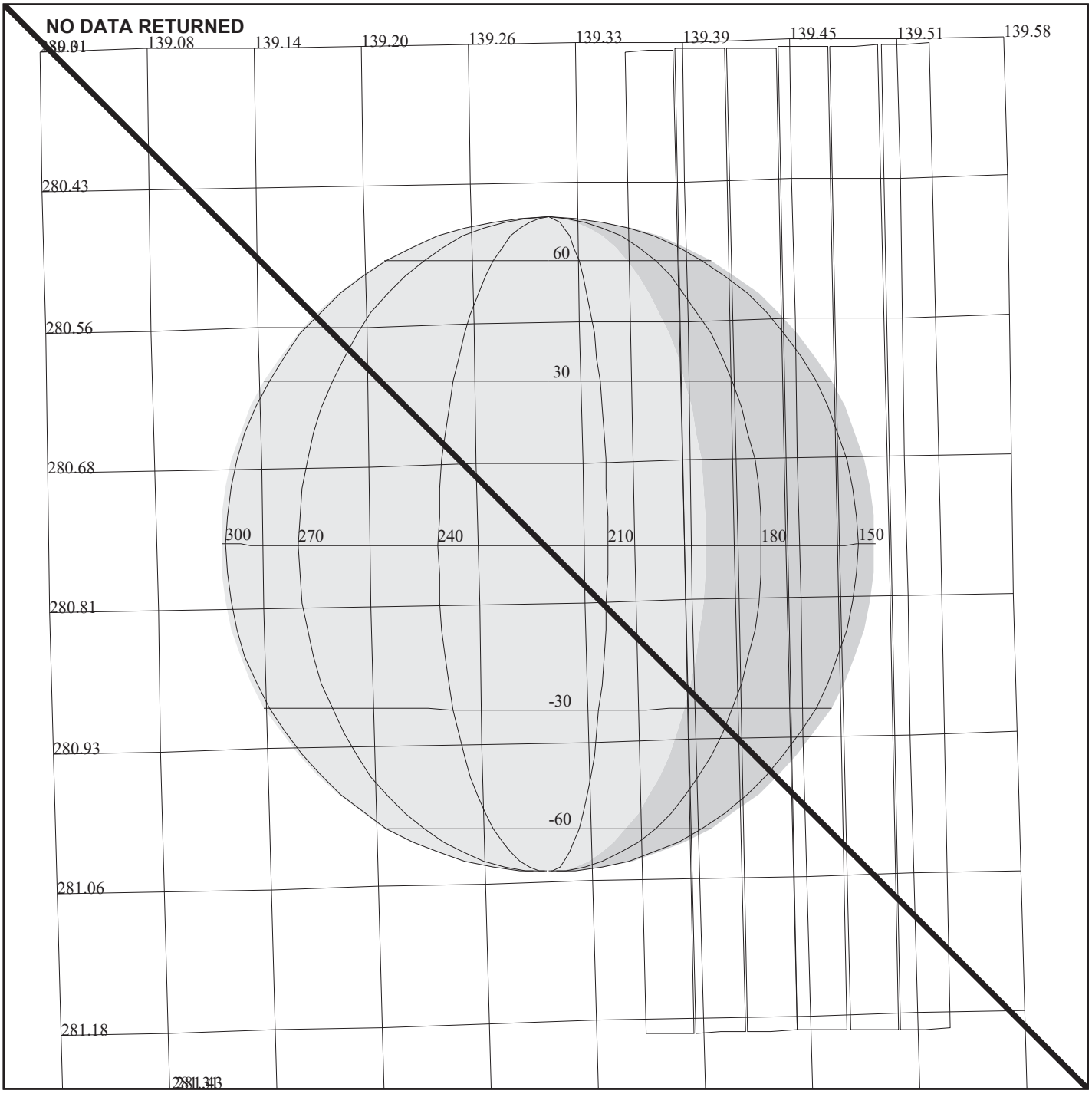
Design Detail

Long map, Nyquist sampled observation of 5 X 1 (50 mrad X 10 mrad) area centered near 6.5 degrees north latitude, 175 degrees west longitude, covering about 30 degrees of longitude at about 420 KM IFOV spatial resolution. Science scan casts 200 X 8.666 = 1732 secs = 28:52 =28:50 CDS accumulating 1.7443 MBTG in 80 colors, and using 0.05819 tracks.
Four rims available for targetting.

NOTE: Duration now about 22 RIMS.

Long Map (LM), Gain 4, Grating Start 0, LPU, J5M253B, J5M253B

Galileo Activity Plan Form 08/20/97 15:06:44 rev 6/95



165FD:TT= 0 TMC= 1 C= 1.00 XC= 0.00 BS= 0/1447 TC= 3
A= 182 pD= 364 SR=17.450 RA50= 19.07 DEC50= 9.41 cone=139.36 clock=280.76
117FD:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1447
1:#s= 1 Cs= 2.80 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 288 rD= 30

10INTHRMAL04

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10INTHRMAL04

TARGET BODY : IO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS:

THINNING:NIM 2

START:IEE 97-262/04:43:55.933 +CDS 525:00:0

BODY PLOT TIME:TARGET-TIME D= 364 S= 0.600

OBSERVATION:10INTHRMAL04

DESCRIP:MONITORING OF IO'S NIGHTSIDE

MONITORING OF IO'S NIGHTSIDE

ACTIVITY ID: 10INTHRMAL04-
START TIME: 97-262/13:32:44.599

Activity ID: Orbit 10 Target I Inst N OAPEL THRMAL SeqNo 04 -

Title	MONITORING OF IO'S NIGHTSIDE	Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team NIMS	Working Group SWG

Time System	CDS	Load ID	Calendar Date	09/19/97 Week 38
Start	IEE+CDS 00000523:00:0	97-262/13:32:44.599		IEE+000/08:48:48.666
End	IEE+CDS 00000527:00:0	97-262/13:36:47.266		IEE+000/08:52:51.333
Duration	00000004:00:0	000/00:04:02.667		000/00:04:02.667

Top Label	10INTHRMAL04-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Thermal monitoring of Io's nightside covering as wide a range of longitudes as possible with resolutions better than ~800 km/nimsel. Objective is to search for and map hot spots, thermal anomalies and outbursts on the surface. Observations will also include the limb to search for auroral effects.

No Data Returned

Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G1, C3, and C10 because these have the highest longitudinal coverage and orbits G7 and G8 because these have the best nighttime resolution for LOKI.

Instrument mode: Long Map,
Number of Wavelengths: 228,
Tracks used per orbit: 0.01 to 0.1,
Bits To Ground used per orbit: 0.01 to 0.5 Mbits.

Long Map (LM), Gain 4, Grating Start 0, LPU, ILMDK243D, ILMDK228D

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NIMS Health Observation No. 4 ACTIVITY ID: 10NNHEALTH04-
START TIME: 97-262/13:57:00.599

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 04 -

Title	NIMS Health Observation No. 4			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	JEE+CDS 00000877:00:0	97-262/13:57:00.599		JEE+000/14:46:44.666	
End	JEE+CDS 00000883:00:0	97-262/14:03:04.599		JEE+000/14:52:48.666	
Duration	00000006:00:0	000/00:06:04.000		000/00:06:04.000	

Top Label	10NNHEALTH04-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

Data Returned

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

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NIMS Real-Time Software Reload — ACTIVITY ID: 10NNRELOAD07-
START TIME: 97-262/19:09:26.599

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 07 -

Title	NIMS Real-Time Software Reload	Instrument	NIMS
Requestor	NIMS-SWG/R.	Team NIMS	Working Group SWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38
Start	IEE+CDS 00000856:00:0	97-262/19:09:26.599	IEE+000/14:25:30.666		
End	IEE+CDS 00000866:00:0	97-262/19:19:33.266	IEE+000/14:35:37.333		
Duration	00000010:00:0	000/00:10:06.667	000/00:10:06.667		

Top Label	10NNRELOAD07-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

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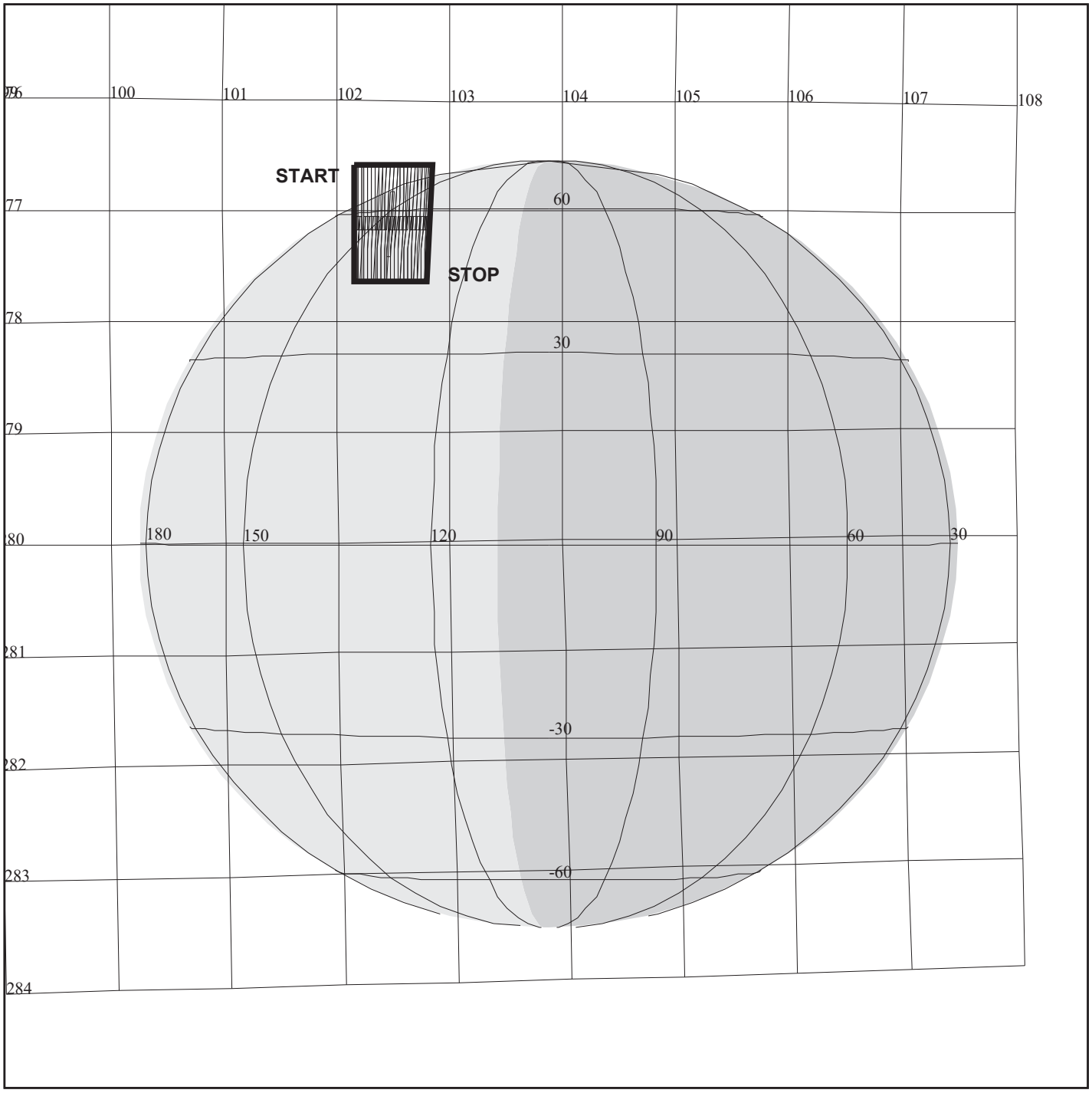


165FJ:TT= 0 TMC= 1 C= -4.00 XC= 0.00 BS= 0/1162 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 54.89 DEC50= 24.70 cone=102.16 clock=276.88
117FJ:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/1162
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -11.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA09901

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA09901

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1293:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA09901 **DESCRIP:Jup_Fea_trk_99_deg_phase_01**

Jupiter Feature Track 99 deg phase pt 1 ACTIVITY ID: 10JNFEA09901-
START TIME: 97-262/20:52:34.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA099 SeqNo 01 -

Title	Jupiter Feature Track 99 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00001288:00:0	97-262/20:52:34.599	JEE+000/21:42:18.666
End	JEE+CDS 00001297:00:0	97-262/21:01:40.599	JEE+000/21:51:24.666
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label 10JNFEA09901-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 99 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

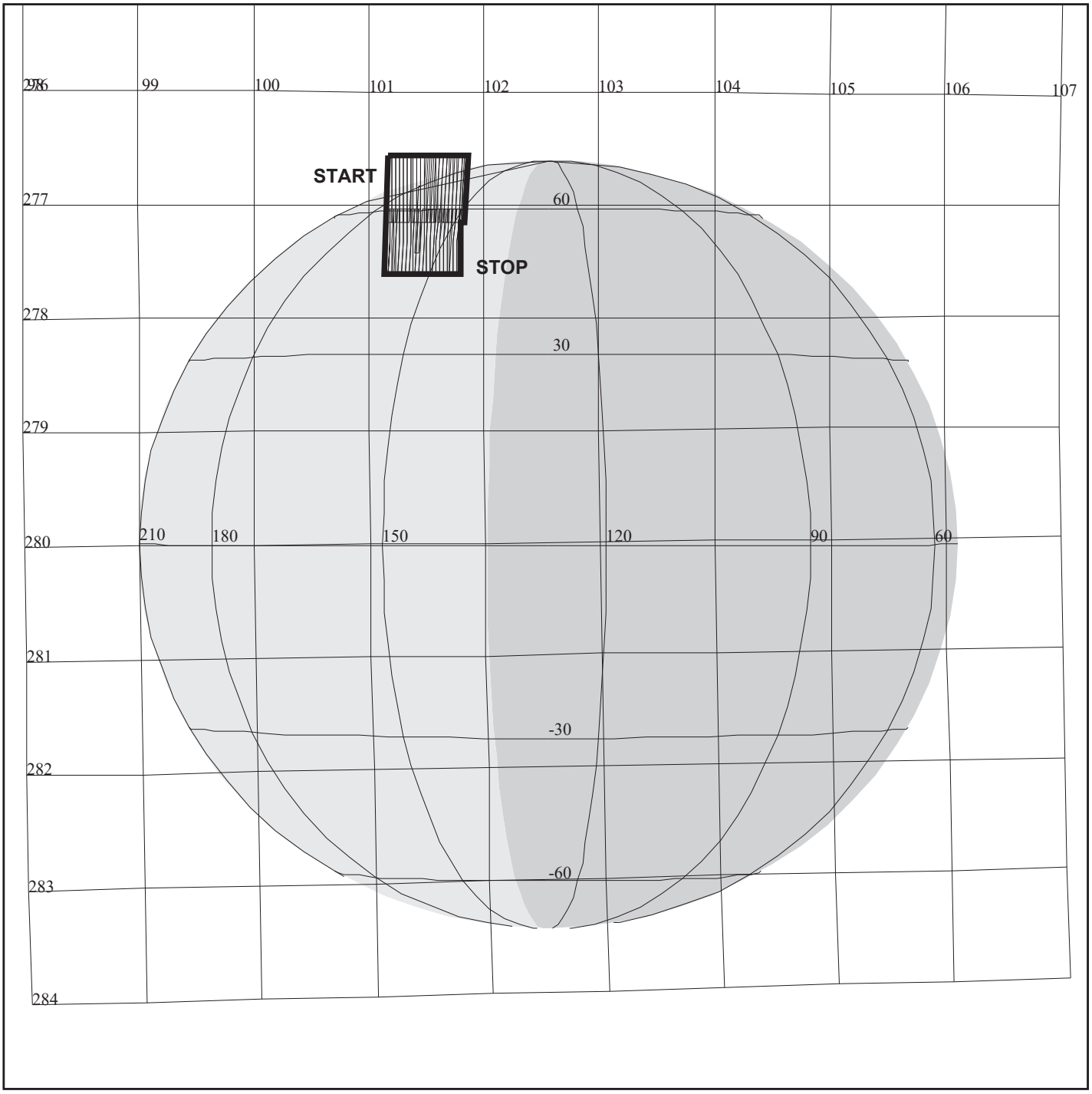
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 1.12 million KM, NIMS IFOV (NIMSel) = 560 KM; 1 X 2 mosaic covers 11200 X 20160 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:45 rev 6/95



165FL:TT= 0 TMC= 1 C= -5.00 XC= -1.00 BS= 0/8442 TC= 1(65 170)
A= 182 pD= 0 SR=17.450 RA50= 55.93 DEC50= 24.95 cone=101.18 clock=276.85
117FL:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/8442
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -11.50 XCr= 8.00 sD= 300 rD= 40

10JNFEA09902

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA09902

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1333:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA09902 **DESCRIP:Jup_Fea_trk_99_deg_phase_02**

Jupiter Feature Track 99 deg phase pt 2 ACTIVITY ID: 10JNFEA09902-
START TIME: 97-262/21:30:59.933

Activity ID: Orbit 10 Target J Inst N OAPEL FEA099 SeqNo 02 -

Title	Jupiter Feature Track 99 deg phase pt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00001326:00:0	97-262/21:30:59.933	JEE+000/22:20:44.000
End	JEE+CDS 00001337:00:0	97-262/21:42:07.266	JEE+000/22:31:51.333
Duration	00000011:00:0	000/00:11:07.333	000/00:11:07.333

Top Label 10JNFEA09902-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 99 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near minimum airmass, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 1.13 million KM, NIMS IFOV (NIMSel) = 565 KM; 1 X 2 mosaic covers 11300 X 20340 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. One rim reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD08-
START TIME: 97-262/21:43:07.933

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 08 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38
Start	JEE+CDS 00001338:00:0	97-262/21:43:07.933		JEE+000/22:32:52.000	
End	JEE+CDS 00001348:00:0	97-262/21:53:14.599		JEE+000/22:42:58.666	
Duration	00000010:00:0	000/00:10:06.666		000/00:10:06.666	

Top Label	10NNRELOAD08-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	ALL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

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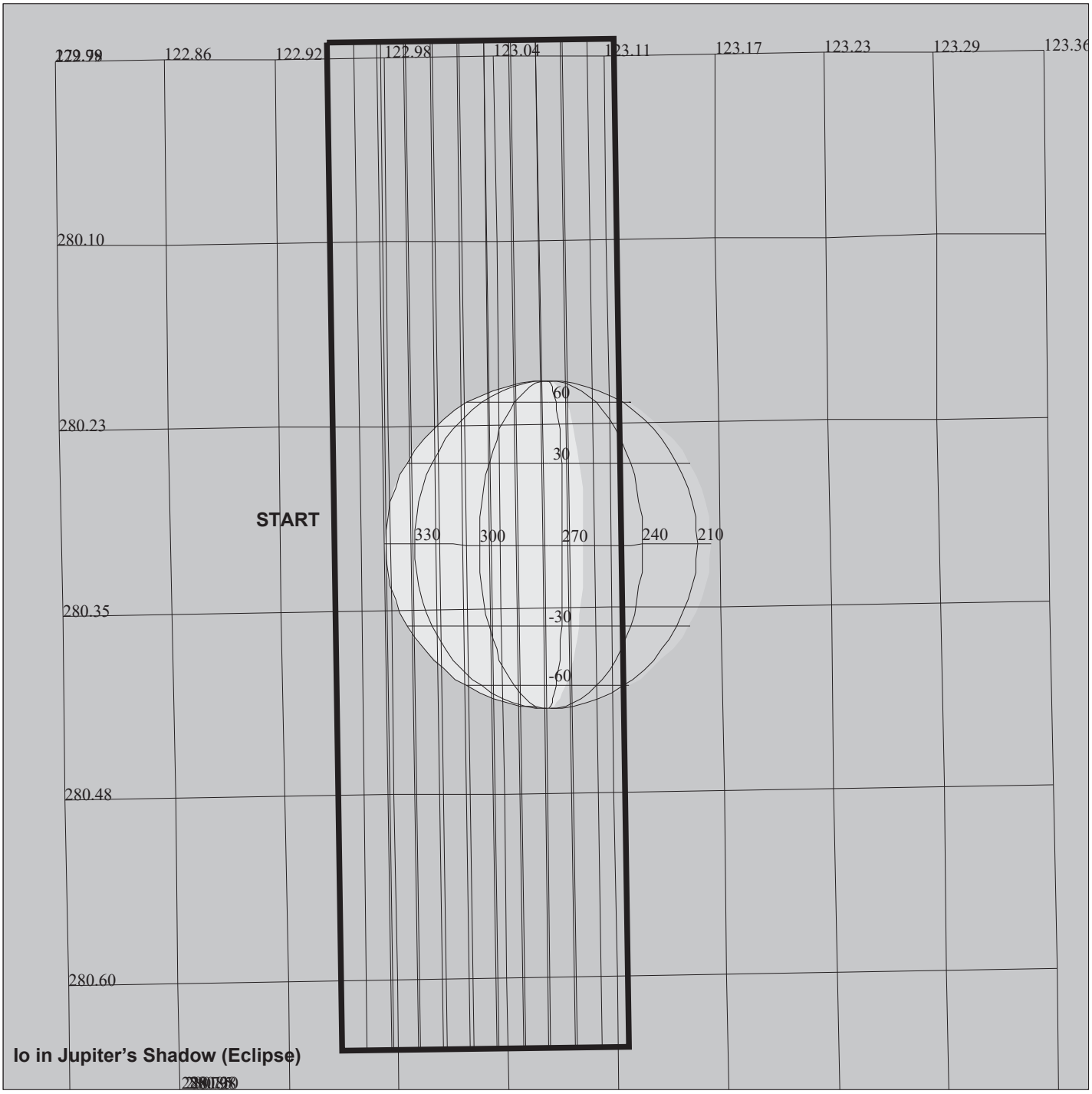

165FI:TT= 0 TMC= 1 C= -2.00 XC= 0.00 BS= 0/1900 TC= 3
A= 364 pD= 260 SR=17.450 RA50= 34.63 DEC50= 15.63 cone=122.96 clock=280.31
117FI:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1900
1:#s= 1 Cs= 2.50 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 260 rD= 2

10INCHEMIS07

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10INCHEMIS07

TARGET BODY : IO

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 1**

START:IEE 97-262/04:43:55.933 +CDS 1022:00:0 **BODY PLOT TIME:TARGET-TIME D= 260 S= 0.300**

OBSERVATION:10INCHEMIS07 **DESCRIP:MONITORING OF IO'S DAYSIDE**

MONITORING OF IO'S DAYSIDE

ACTIVITY ID: 10INCHEMIS07-
START TIME: 97-262/21:54:15.266

Activity ID: Orbit 10 Target I Inst N OAPEL CHEMIS SeqNo 07 -

Title	MONITORING OF IO'S DAYSIDE			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/19/97 Week 38
Start	IEE+CDS 00001019:00:0	97-262/21:54:15.266		IEE+000/17:10:19.333	
End	IEE+CDS 00001025:50:0	97-262/22:00:52.599		IEE+000/17:16:56.666	
Duration	00000006:50:0	000/00:06:37.333		000/00:06:37.333	

Top Label	10INCHEMIS07-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	180	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Dayside monitoring covering wide range of longitudes to look for chemical changes (e.g. SO2 distribution) at resolutions better than ~800 km/nimsel (most observations will have resolutions between 120 and 400 km/nimsel).

Data Returned

Design Detail

Partial or full disk mosaics within C/A + or - 32 hours in all orbits. High priority orbits are G2, C3, E4, E6 and E10 where resolution for lit disk is best.

Long map, 228 wavelengths.
Tracks used per orbit: 0.05 to 0.42.
Bits To Ground per orbit: 0.3 to 2.2 Mbits.

Io is in Jupiter's Shadow (Eclipse).

Long Map (LM), Gain 2, Grating Start 0, LPU, ILM243C, ILM228C

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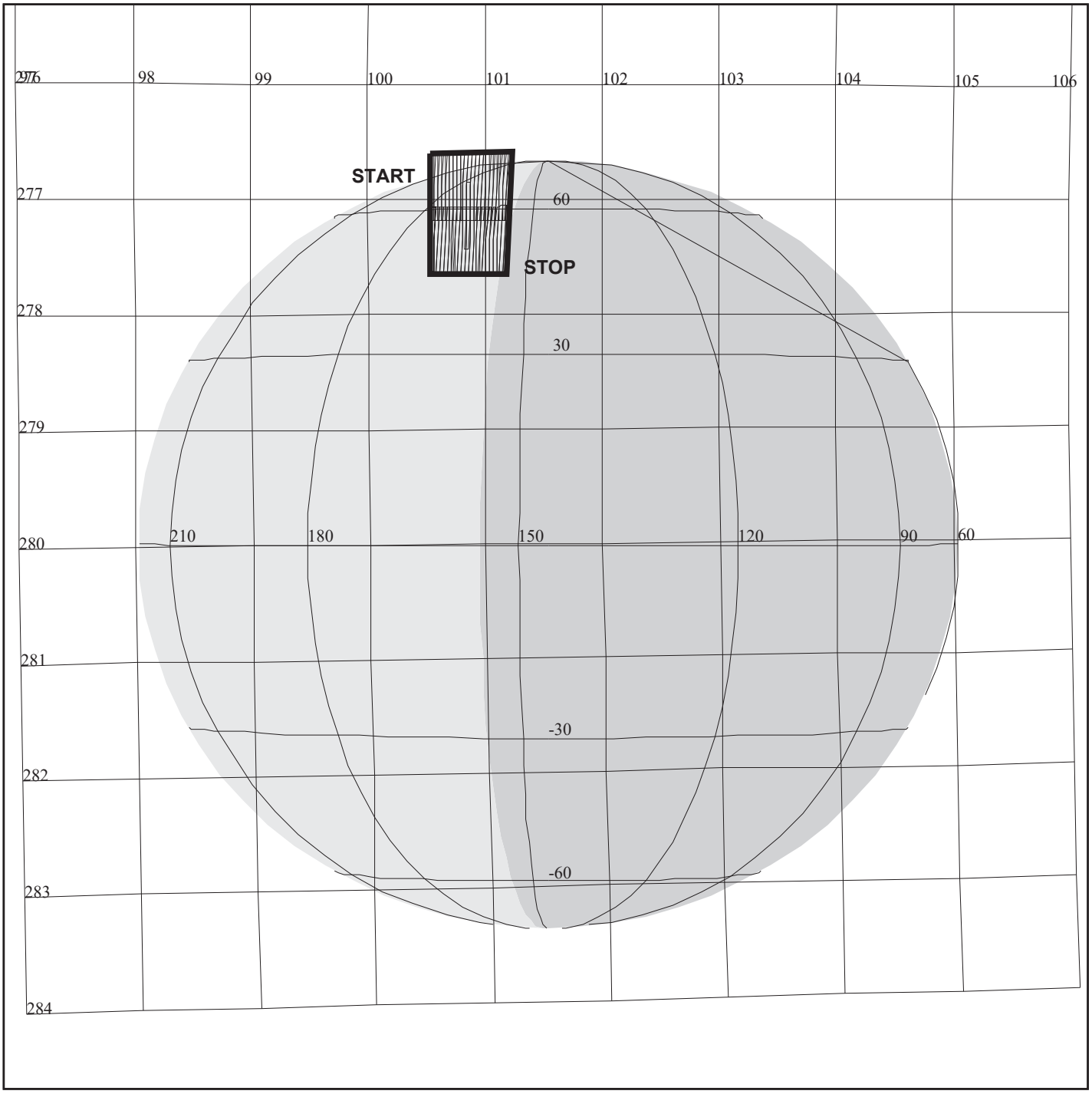

165FM:TT= 0 TMC= 1 C= -6.00 XC= -1.00 BS= 0/4266 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 56.62 DEC50= 25.07 cone=100.55 clock=276.88
117FM:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/4266
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -11.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA09903

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA09903

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1365:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA09903 **DESCRIP:Jup_Fea_trk_99_deg_phase_03**

Jupiter Feature Track 99 deg phase pt 3 ACTIVITY ID: 10JNFEA09903-
START TIME: 97-262/22:05:22.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA099 SeqNo 03 -

Title	Jupiter Feature Track 99 deg phase pt 3	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date	09/19/97	Week 38
Start	JEE+CDS 00001360:00:0	97-262/22:05:22.599	JEE+000/22:55:06.666		
End	JEE+CDS 00001369:00:0	97-262/22:14:28.599	JEE+000/23:04:12.666		
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000		

Top Label 10JNFEA09903-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the third of three observations obtained on a rotation with phase angle approximately 99 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 1.14 million KM, NIMS IFOV (NIMSel) = 570 KM; 1 X 2 mosaic covers 11400 X 20520 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

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NIMS Health Observation No. 5 ACTIVITY ID: 10NNHEALTH05-
START TIME: 97-262/22:27:37.266

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 05 -

Title	NIMS Health Observation No. 5	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00001382:00:0	97-262/22:27:37.266	JEE+000/23:17:21.333
End	JEE+CDS 00001387:00:0	97-262/22:32:40.599	JEE+000/23:22:24.666
Duration	00000005:00:0	000/00:05:03.333	000/00:05:03.333

Top Label 10NNHEALTH05-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

Data Returned

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

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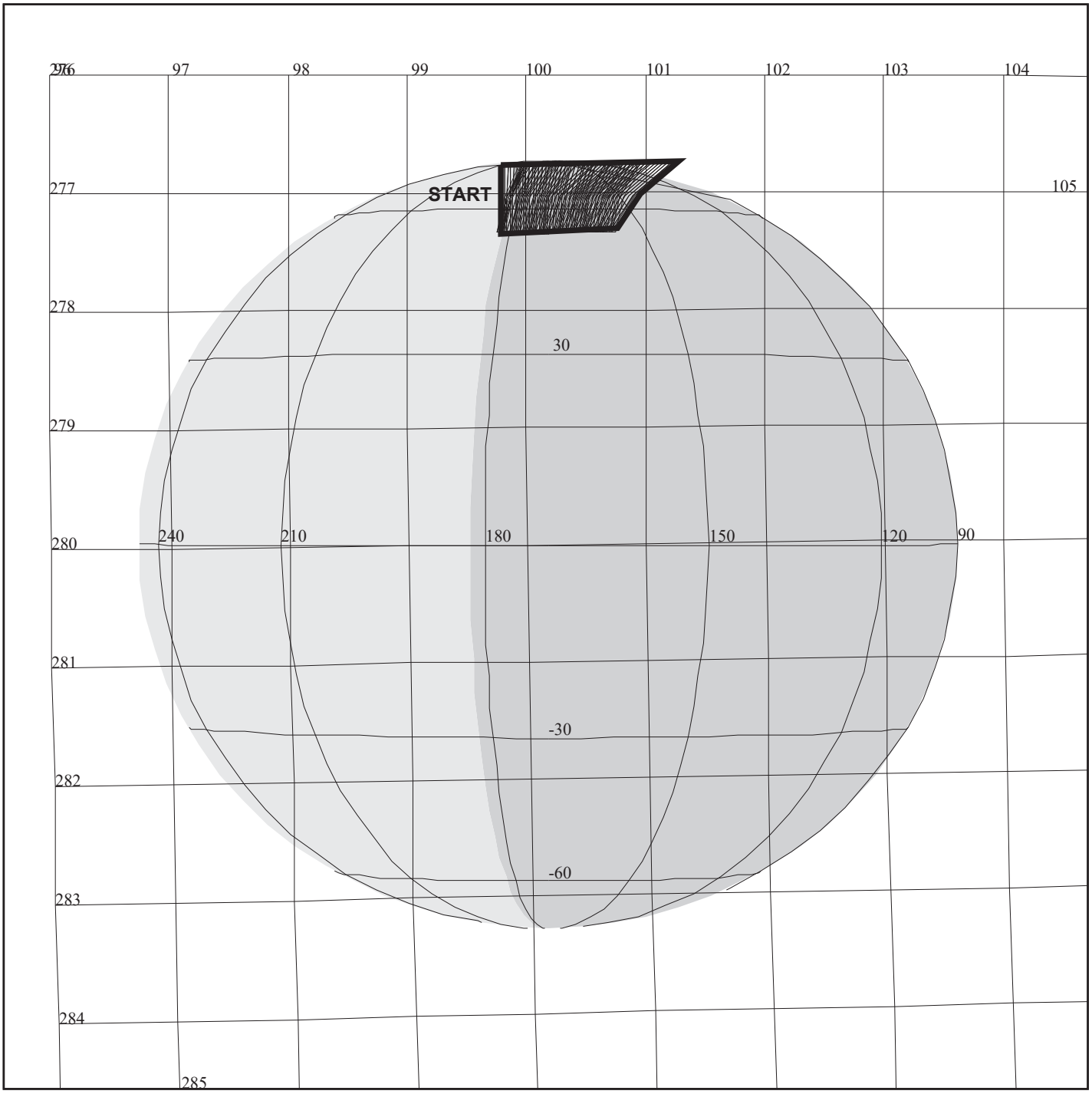

165FN:TT= 0 TMC= 1 C= -7.50 XC= 1.00 BS= 0/2274 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 57.46 DEC50= 25.06 cone= 99.80 clock=277.06
117FN:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/2274
1:#s= 2 Cs= 14.35 XCs= 0.00 Cr= -16.50 XCr= 0.00 sD= 2160 rD= 360

10JNFEA53M01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA53M01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1409:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA53M01 **DESCRIP:Jup_Camp_Feat_5_and_3_um_Map**

Jupiter Campaign Feature 5 and 3 um Map ACTIVITY ID: 10JNFEA53M01-
START TIME: 97-262/22:50:52.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA53M SeqNo 01 -

Title	Jupiter Campaign Feature 5 and 3 um Map	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00001405:00:0	97-262/22:50:52.599	JEE+000/23:40:36.666
End	JEE+CDS 00001435:00:0	97-262/23:21:12.599	JEE+001/00:10:56.666
Duration	00000030:00:0	000/00:30:20.000	000/00:30:20.000

Top Label 10JNFEA53M01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	274	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

High spectral resolution 5-micron and 3-micron night-time maps of trace species within the North Polar campaign feature. The first scan is a 5-micron map, of complete spectral and spatial sampling over the 4.28 to 5.22 micron interval. The campaign feature, centered at 170 degrees west longitude (System III), 65 degrees north planetographic latitude, is observed near the central meridian during the phase angle approximately 99 degrees rotation. The feature is first scanned in the 80 wavelengths specified by NIMS wavelength table J5M80B. The second scan is a 3-micron map using 80 wavelengths specified by wavelength table J3M80B, spanning the wavelength range 2.50 - 3.44 microns.
NOTE: 4/17/97 Now recording 160 wavelengths using J53160 wavelength table, and return just the first scan.
Data Returned

Design Detail

Two long map, Nyquist-sampled observations of 1 X 2 (10 X 18 mrad) area centered on the campaign feature. S/C distance about 0.79 million KM, map covers 11600 X 20880 KM. Each observation encompasses about 12 minutes of scanning, including reposition slew, accumulating 0.72510 MBTG and using 0.02419 tracks. Four rims reserved for targetting. Two minutes reserved for reposition slew. Total Oapel resources used: 1.4502 MBTG and 0.04838 tracks. Wavelength table changed from J5M80B to J3M80B during the reposition slew between scans. SCIREC #1 stops at end of first scan. SCIREC #2 starts at beginning of subsequent scan.

NOTE: 4/17/97: To save tape, record all 3 and 5 micron data on first pass. Reduces tracks to 0.012 tracks.

Both overlapping swaths returned with same edit table.

Long Map (LM), Gain 4, Grating Start 0, LPU, J35157, J35157

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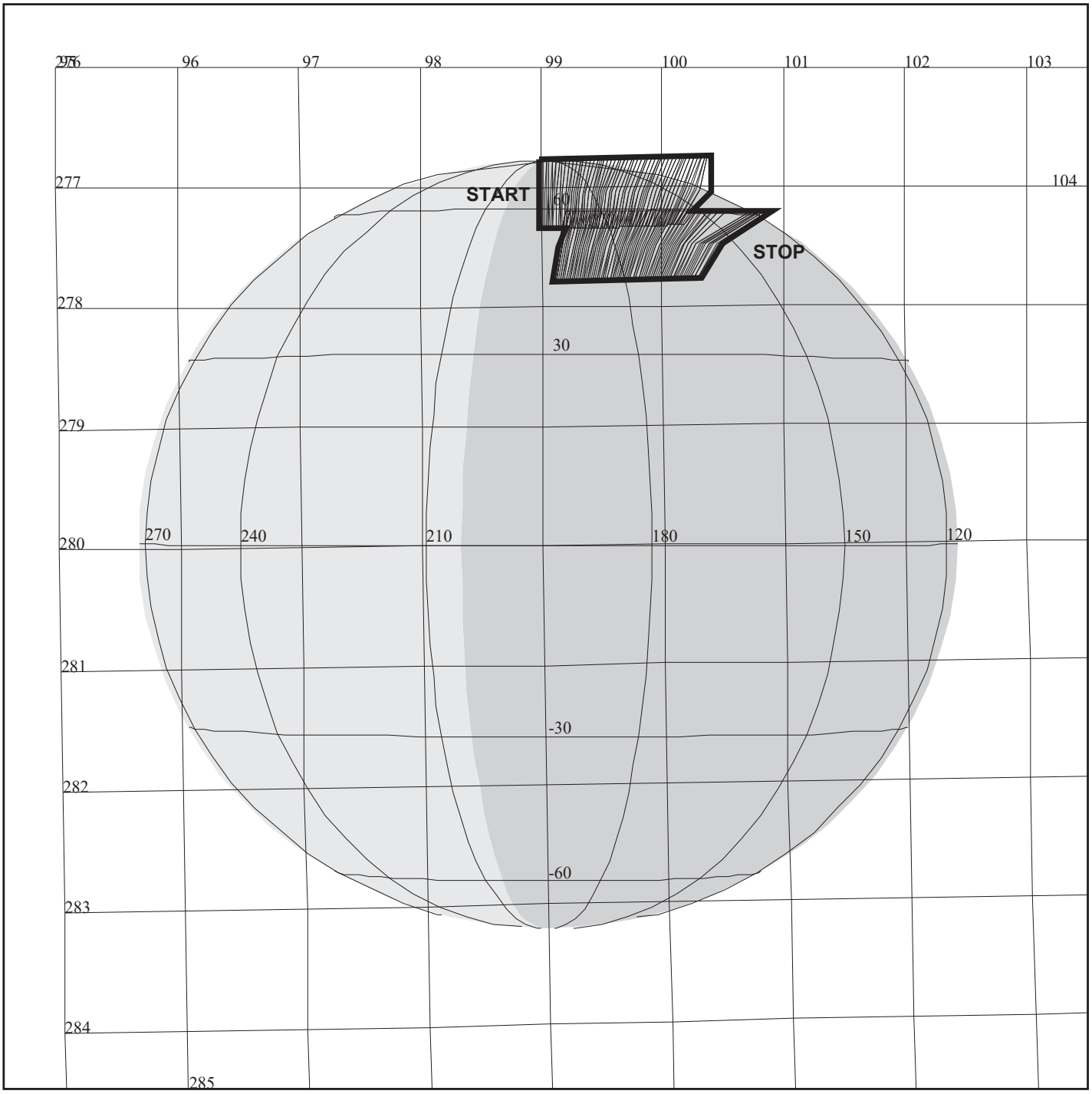

165FO:TT= 0 TMC= 1 C= -12.00 XC= 0.00 BS= 0/9190 TC= 1(65 170)
A= 182 pD= 0 SR=17.450 RA50= 58.34 DEC50= 25.24 cone= 98.99 clock=277.06
117FO:#SB= 1 OR= 0.020 RR=12.000 BM=F RC= 1 BS= 0/9190
1:#s= 2 Cs= 17.30 XCs= 0.00 Cr= -16.00 XCr= 8.00 sD= 2600 rD= 52

10JNNPAURN01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNNPAURN01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1447:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNNPAURN01 **DESCRIP:Jup_North_Pole_Aur_Nite_01**

Jup North Pole Aurora Nite Time prt 1 ACTIVITY ID: 10JNNPAURN01-
START TIME: 97-262/23:31:19.266

Activity ID: Orbit 10 Target J Inst N OAPEL NPAURN SeqNo 01 -

Title	Jup North Pole Aurora Nite Time prt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/19/97 Week 38
Start	JEE+CDS 00001445:00:0	97-262/23:31:19.266	JEE+001/00:21:03.333
End	JEE+CDS 00001476:00:0	97-263/00:02:39.933	JEE+001/00:52:24.000
Duration	00000031:00:0	000/00:31:20.667	000/00:31:20.667

Top Label 10JNNPAURN01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Last of three specific North Pole Aurora maps covering the North Polar Auroral feature. H3+ and other emmissions imaged near 3-4 microns over north pole. This night time map centered near 170 degrees west longitude, 65 degrees north latitude. Forty (40) wavelengths sent to ground, using NIMS wavelength table JAU40A.

Data Returned

Design Detail

Long map, Nyquist-sampled observation of 2.5 X 2 (100 X 40 NIMSel samples covering 50 X 36 area; 25 mrad X 18 mrad) centered on north pole near 170 degrees west longitude, 65 degrees north latitude. Spacecraft distance about 1.18 million KM, covers 29500 X 21240 KM; NIMS IFOV = 590 KM. About 1754.333 secs (29:11.333) for scanning, assuming 17.33 secs for reposition slew. Observation accumulates 0.9554 MBTG in 40 wavelengths and uses 0.05884 tracks.
One minute reserved for targetting, since observation follows FEA53M01 on the same target.

Long Map (LM), Gain 4, Grating Start 0, LPU, JAU253A, JAU40A

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NIMS Software Reload

ACTIVITY ID: 10NNRELOAD09-
START TIME: 97-263/00:10:45.266

Activity ID: Orbit 10 Target N Inst N OAPEL RELOAD SeqNo 09 -

Title	NIMS Software Reload			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID	Calendar Date	09/20/97	Week 38
Start	JEE+CDS 00001484:00:0	97-263/00:10:45.266		JEE+001/01:00:29.333	
End	JEE+CDS 00001494:00:0	97-263/00:20:51.933		JEE+001/01:10:36.000	
Duration	00000010:00:0	000/00:10:06.667		000/00:10:06.667	

Top Label	10NNRELOAD09-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	ALL	DMS	No

Observation Objective

Reload NIMS software to prevent loss of science observations.
These loads are placed strtegicaly to protect high priority science.

Memory reload from CDS to NIMS and restart.
Diagnostic Checksum, Processor Halt, Memory Reload from CDS,
Instrument Restart, and Operational Mode Set.

Design Detail

Use a standard set of commands to halt the instrument, load the software and reinitialize the instrument.

6CKSUM - Check Sum NIMS RAM 1000 - 14BC
37PL - Halt NIMS Processor \(37PL\)
37MRL - Memory Reallocate
6MCOPY - Copy flight software from CDS to NIMS 1000
6MCOPY - Copy flight software from CDS to NIMS 1598
37IRT - Instrument Reset
37MN - Memory Normal
37IST - Chopper Reference.

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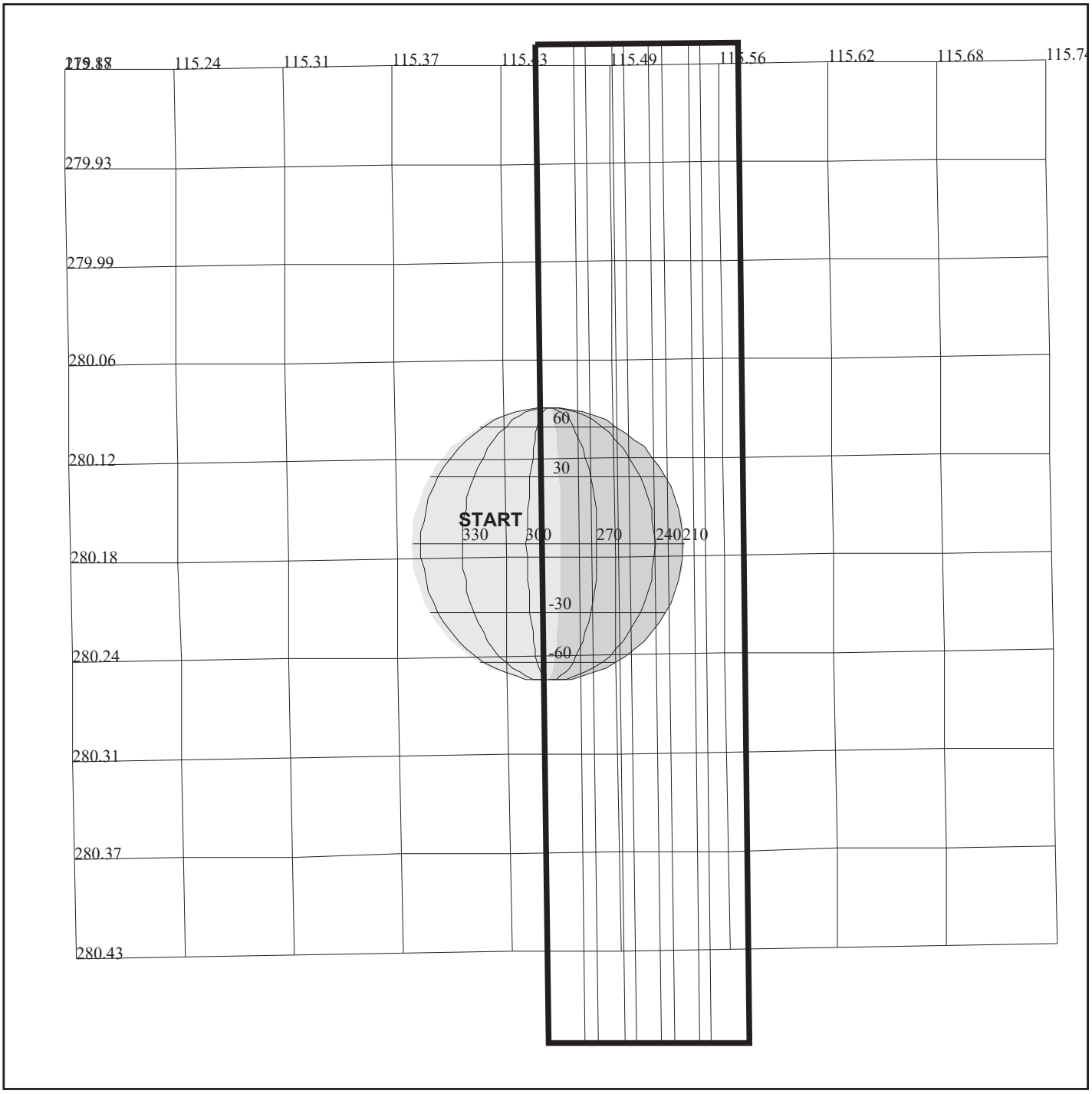

165FQ:TT= 0 TMC= 1 C= 0.00 XC= 0.00 BS= 0/1748 TC= 3
A= 364 pD= 0 SR=17.450 RA50= 42.03 DEC50= 18.11 cone=115.46 clock=280.17
117FQ:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/1748
1:#s= 1 Cs= 1.30 XCs= 0.00 Cr= 0.00 XCr= 0.00 sD= 136 rD= 30

10INVOLCAN05

DESIGN G3.2 lisac: 9/26/1997 12:22: 6

FILE:P.10INVOLCAN05

TARGET BODY : IO

MINI:m.10INVOLCAN05

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 1**

START:IEE 97-262/04:43:55.933 +CDS 1186:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.250**

OBSERVATION:10INVOLCAN05 **DESCRIP:MONITORING OF VOLCANIC REGIONS**

MONITORING OF SELECTED VOLCANIC REGIONS ACTIVITY ID: 10INVOLCAN05-
START TIME: 97-263/00:40:04.599

Activity ID: Orbit 10 Target I Inst N OAPEL VOLCAN SeqNo 05 -

Title	MONITORING OF SELECTED VOLCANIC REGIONS	Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS Working Group SWG

Time System	CDS	Load ID	Calendar Date 09/20/97 Week 38
Start	IEE+CDS 00001183:00:0	97-263/00:40:04.599	IEE+000/19:56:08.666
End	IEE+CDS 00001188:41:0	97-263/00:45:35.266	IEE+000/20:01:39.333
Duration	00000005:41:0	000/00:05:30.667	000/00:05:30.667

Top Label 10INVOLCAN05-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	150	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

To monitor time variations in activity of selected regions
(Loki, Pelee, Kanehekili) using selected wavelengths.

Data Returned

Design Detail

Long Map, 102 wavelengths, 30 secs duration (or less).
Orbit 7 is high priority for Loki region,
will be seen at the best nightside resolution (278 km).
~ 5 observations per orbit.
Tracks: 0.005 per observation.

Locations of features: Kanehekili (-10 d.lat. +40 d. long.)
Pelee (-20 d. lat. -255 d. long.)
Loki (+12 d. lat. 310 d. long.)

Long Map (LM), Gain 4, Grating Start 0, LPU, ILMDK243D, ILMDK102D

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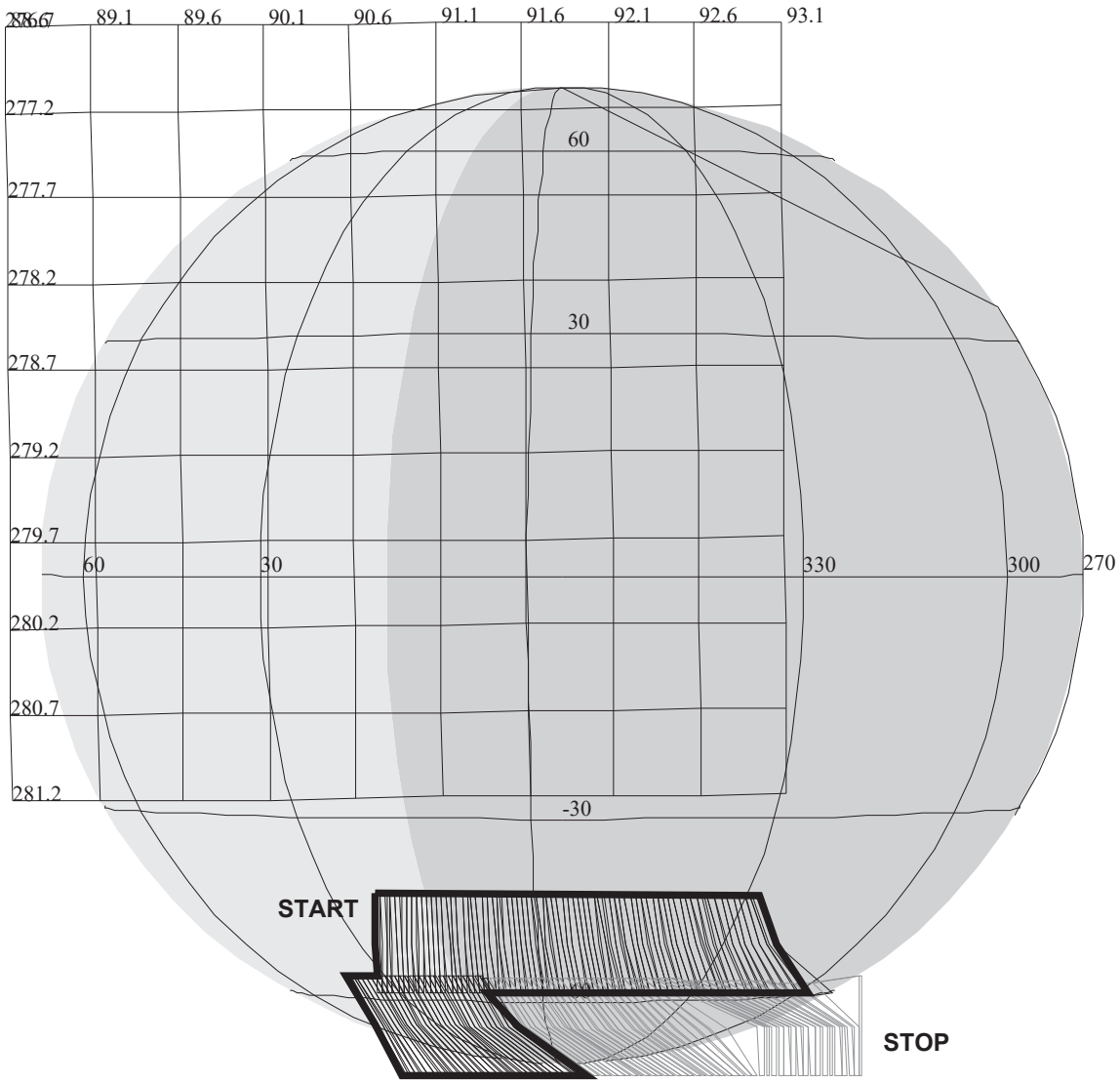

165FS:TT= 0 TMC= 1 C= -13.00 XC= -8.00 BS= 0/9786 TC= 1(-65 10)
A= 728 pD= 0 SR=17.450 RA50= 68.22 DEC50= 21.76 cone= 90.67 clock=282.06
117FS:#SB= 1 OR= 0.030 RR=12.000 BM=F RC= 1 BS= 0/9786
1:#s= 2 Cs= 37.30 XCs= 0.00 Cr= -43.00 XCr= 8.00 sD= 3792 rD= 52

10JNSPAURN01

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNSPAURN01

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1725:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNSPAURN01 **DESCRIP:Jup_South_Pole_Aur_Nite_01**

Jupiter South Pole Aurora Night Time ACTIVITY ID: 10JNSPAURN01-
START TIME: 97-263/04:09:22.599

Activity ID: Orbit 10 Target J Inst N OAPEL SPAURN SeqNo 01 -

Title	Jupiter South Pole Aurora Night Time	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team NIMS	Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/20/97 Week 38
Start	JEE+CDS 00001720:00:0	97-263/04:09:22.599	JEE+001/04:59:06.666
End	JEE+CDS 00001767:00:0	97-263/04:56:53.933	JEE+001/05:46:38.000
Duration	00000047:00:0	000/00:47:31.334	000/00:47:31.334

Top Label 10JNSPAURN01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

Last of three specific South Pole Aurora maps sampling each hemisphere of the South Polar region. H3+ and other emmssions imaged near 3-4 microns over south pole. This night time map centered near 10 degrees west longitude, 65 degrees south latitude. Forty (40) wavelengths sent to ground, using NIMS wavelength table JAU40A.

Data Returned

Design Detail

Long map, Nyquist-sampled observation of 3.65 X 2 (146 X 40 NIMSel samples covering 73 X 36 NIMSel area; 36.5 mrad X 18 mrad) centered on south pole. Spacecraft distance about
1.3 million KM covers 47450 X 23400 KM IFOV = 650 KM.
About 2548 (42:28) seconds for scanning, assuming 17.333 secs for reposition slew. Observation accumulates 1.390 MBTG in 40 wavelengths and using 0.085602 tracks. Four rims reserved for targetting.

Not all of bottom swath was recorded.

Long Map (LM), Gain 4, Grating Start 0, LPU, JAU253A, JAU40A

Galileo Activity Plan Form 08/20/97 15:06:46 rev 6/95

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NIMS Health Observation No. 6 ACTIVITY ID: 10NNHEALTH06-
START TIME: 97-263/05:57:33.933

Activity ID: Orbit 10 Target N Inst N OAPEL HEALTH SeqNo 06 -

Title	NIMS Health Observation No. 6			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

Time System	CDS	Load ID		Calendar Date	09/20/97 Week 38
Start	JEE+CDS 00001827:00:0	97-263/05:57:33.933		JEE+001/06:47:18.000	
End	JEE+CDS 00001832:00:0	97-263/06:02:37.266		JEE+001/06:52:21.333	
Duration	00000005:00:0	000/00:05:03.333		000/00:05:03.333	

Top Label	10NNHEALTH06-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	100	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Required to verify instrument operation. These observations provide a 3 detector view of the instrument. The detectors are selected such that a bright anbd dark channel will exist for either a satellite or Jupiter for a target. The observations are spaced approximately 24 hours apart.

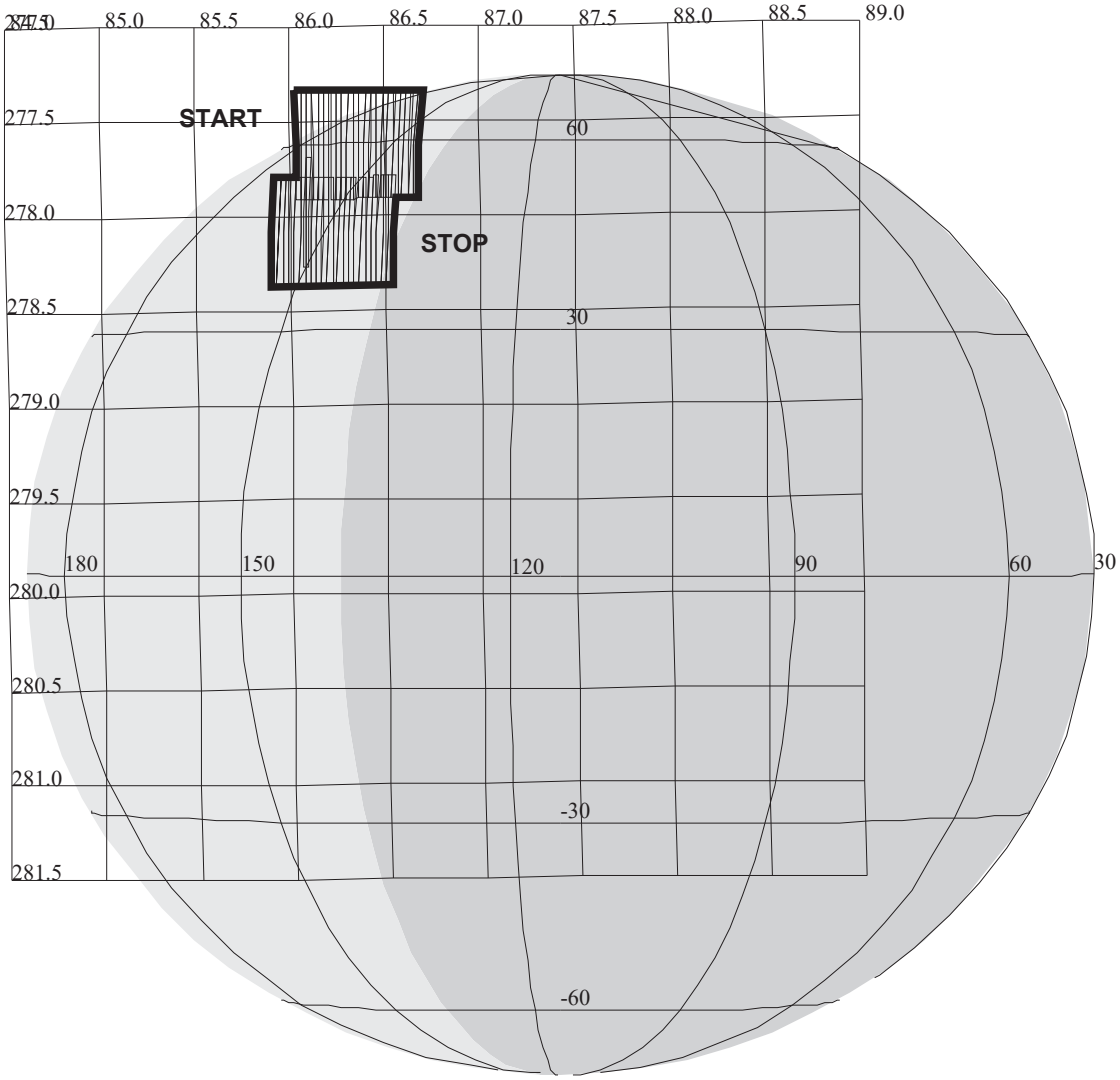
Data Returned

Design Detail

No scan platform commanding. The scan platform is at the enfd of the slew of the previous observation:

Long Map (LM), Gain 2, Grating Start 0, R/T, RTRCVY3

Galileo Activity Plan Form 08/20/97 15:06:46 rev 6/95



165FV:TT= 0 TMC= 1 C= -6.00 XC= 2.00 BS= 0/6368 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 72.68 DEC50= 26.73 cone= 86.03 clock=277.61
117FV:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/6368
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -13.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA11401

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA11401

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1926:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA11401 **DESCRIP:Jup_Fea_trk_114_deg_phase_01**

Jupiter Feature Track 114 deg phase pt 1 ACTIVITY ID: 10JNFEA11401-
START TIME: 97-263/07:32:36.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA114 SeqNo 01 -

Title	Jupiter Feature Track 114 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/20/97 Week 38
Start	JEE+CDS 00001921:00:0	97-263/07:32:36.599	JEE+001/08:22:20.666
End	JEE+CDS 00001930:00:0	97-263/07:41:42.599	JEE+001/08:31:26.666
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label	10JNFEA11401-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	184	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 114 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near minimum airmass assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

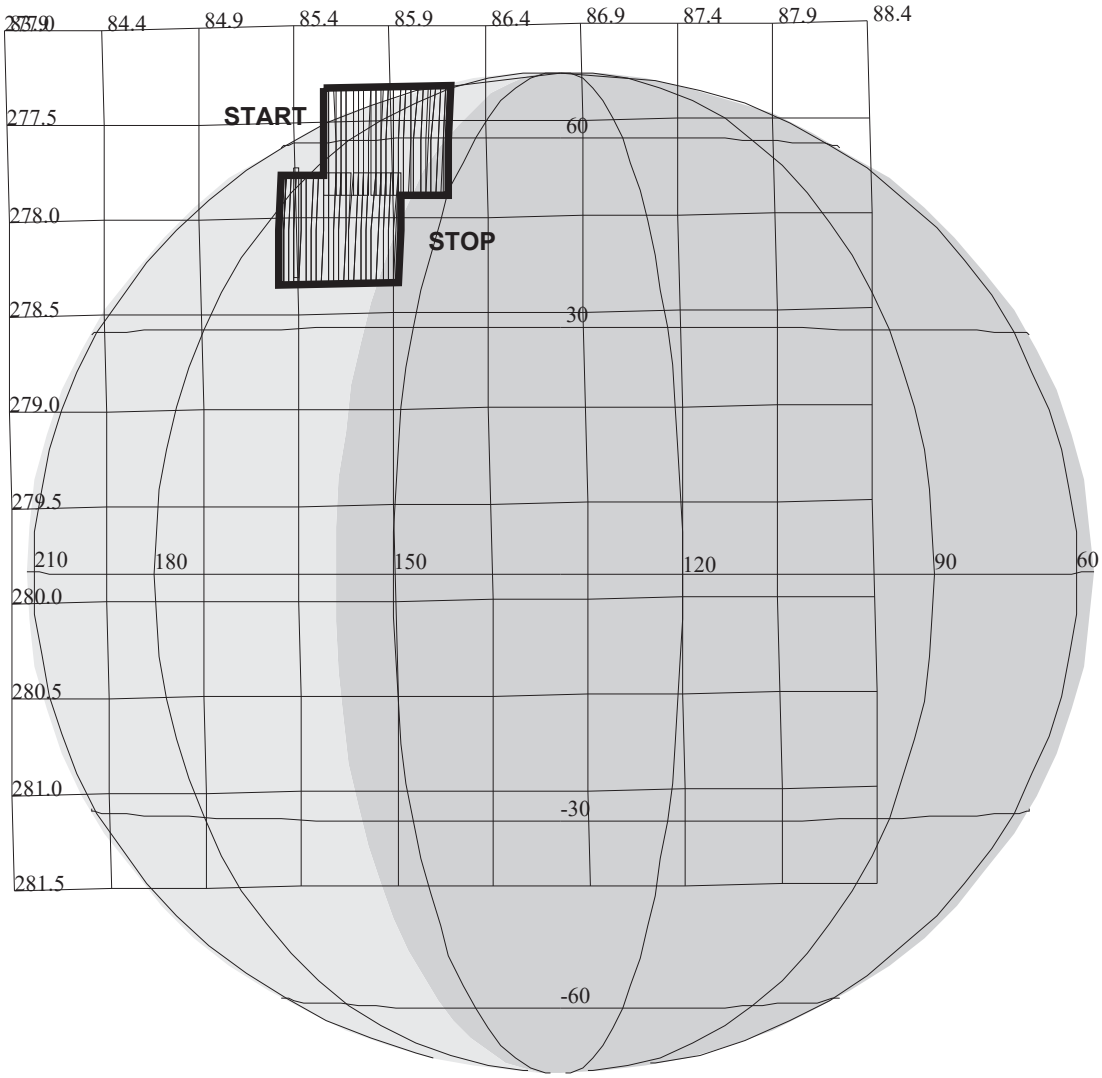
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 1.44 million KM, NIMS IFOV (NIMSel) = 720 KM; 1 X 2 mosaic covers 14400 X 25920 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:46 rev 6/95



165FW:TT= 0 TMC= 1 C= -8.00 XC= 2.00 BS= 0/1828 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 73.17 DEC50= 26.76 cone= 85.59 clock=277.62
117FW:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/1828
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -15.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA11402

TARGET G3.1 lisac: 9/ 4/1997 12: 4: 2

FILE:P.10JNFEA11402

CENTRAL BODY:JUPITER

MINI:m.target

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 1956:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.750**

OBSERVATION:10JNFEA11402 **DESCRIP:Jup_Fea_trk_114_deg_phase_02**

Jupiter Feature Track 114 deg phase pt 2 ACTIVITY ID: 10JNFEA11402-
START TIME: 97-263/08:03:57.266

Activity ID: Orbit 10 Target J Inst N OAPEL FEA114 SeqNo 02 -

Title	Jupiter Feature Track 114 deg phase pt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date	09/20/97	Week 38
Start	JEE+CDS 1952:00:0	97-263/08:03:57.266	JEE+001/08:53:41.333		
End	JEE+CDS 00001960:00:0	97-263/08:12:02.599	JEE+001/09:01:46.666		
Duration	00000008:00:0	000/00:08:05.333	000/00:08:05.333		

Top Label 10JNFEA11402-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 114 degrees. Jupiter imaged in 4 colors, using NIMS downlink wavelength table JFT04A. This observation acquired with North Polar Auroral zone feature near morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude.
Spacecraft distance 1.45 million KM, NIMS IFOV (NIMSel) = 725 KM;
1 X 2 mosaic covers 14500 X 26100 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.05619 MBTG in 4 colors, and using 0.00739 tracks.
Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

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SCITURN

ACTIVITY ID: 10JNSCITRN02-
START TIME: 97-263/14:25:55.933

Activity ID: Orbit 10 Target J Inst N OAPEL SCITRN SeqNo 02 -

Title	SCITURN			Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS	Working Group	AWG

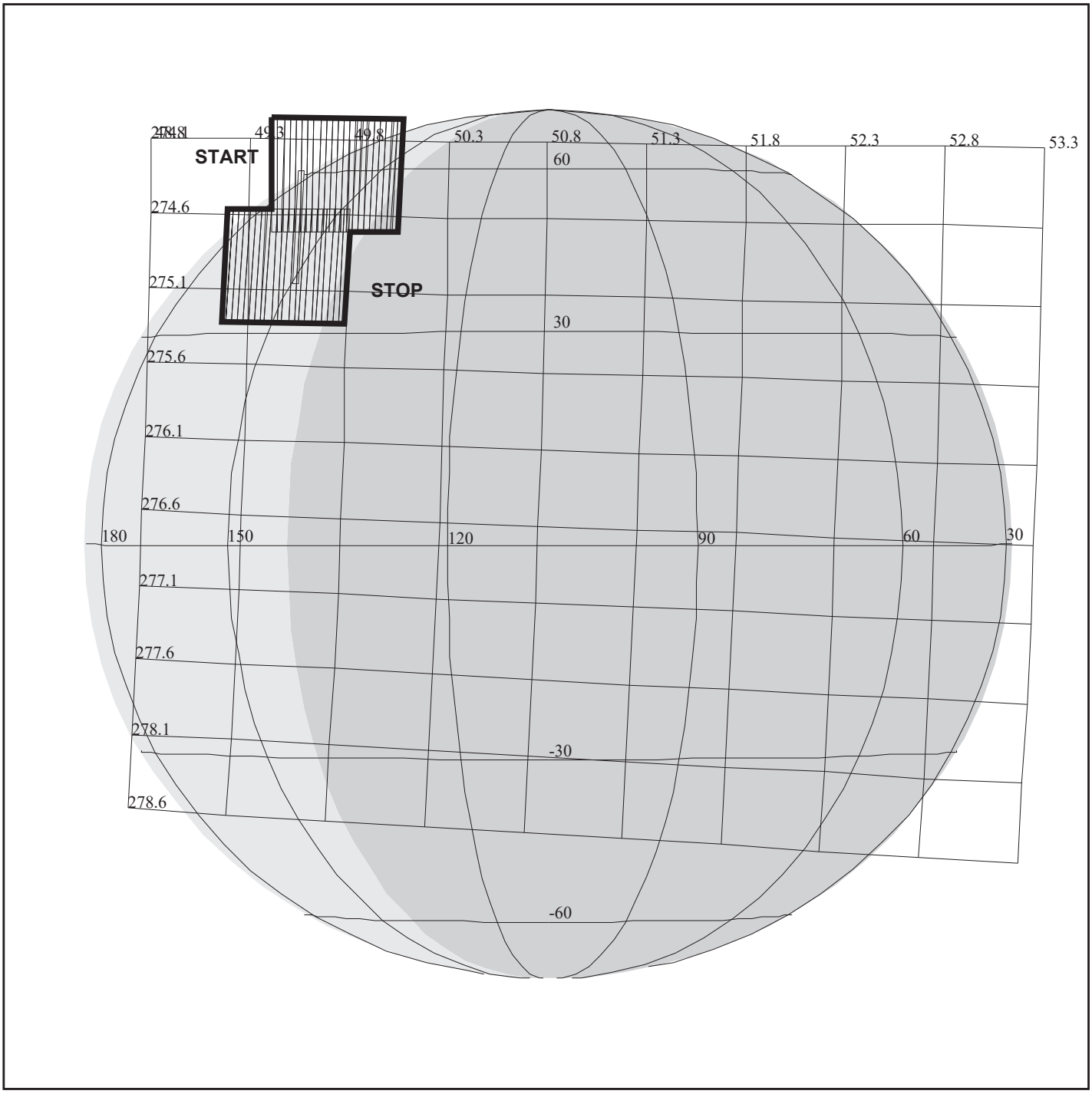
Time System	CDS	Load ID		Calendar Date	09/20/97 Week 38
Start	JEE+CDS 2329:71:0	97-263/14:25:55.933		JEE+001/15:15:40.000	
End	JEE+CDS 00002484:06:0	97-263/17:01:55.933		JEE+001/17:51:40.000	
Duration	00000154:26:0	000/02:36:00.000		000/02:36:00.000	

Top Label	10JNSCTRN01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	0	Report Options		Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

Design Detail

Galileo Activity Plan Form 08/20/97 15:06:47 rev 6/95



165FX:TT= 0 TMC= 1 C= -8.00 XC= 2.00 BS= 0/4476 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 83.89 DEC50= 27.05 cone= 49.41 clock=274.31
117FX:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/4476
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -15.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA12401

DESIGN G3.2 lisac: 9/26/1997 12:26:25

FILE:P.10JNFEA12401

CENTRAL BODY:JUPITER III

MINI:m.10JNFEA12401

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 2520:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.850**

OBSERVATION:10JNFEA12401 **DESCRIP:Jup_Fea_trk_124_deg_phase_01**

Jupiter Feature Track 124 deg phase pt 1 ACTIVITY ID: 10JNFEA12401-
START TIME: 97-263/17:33:12.599

Activity ID: Orbit 10 Target J Inst N OAPEL FEA124 SeqNo 01 -

Title	Jupiter Feature Track 124 deg phase pt 1	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/20/97 Week 38
Start	JEE+CDS 00002515:00:0	97-263/17:33:12.599	JEE+001/18:22:56.666
End	JEE+CDS 00002524:00:0	97-263/17:42:18.599	JEE+001/18:32:02.666
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label	10JNFEA12401-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the first of three observations obtained on a rotation with phase angle approximately 124 degrees. Jupiter imaged in 15 colors, using NIMS downlink wavelength table JFT15A. This observation acquired with North Polar Auroral zone feature near minimum airmass, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

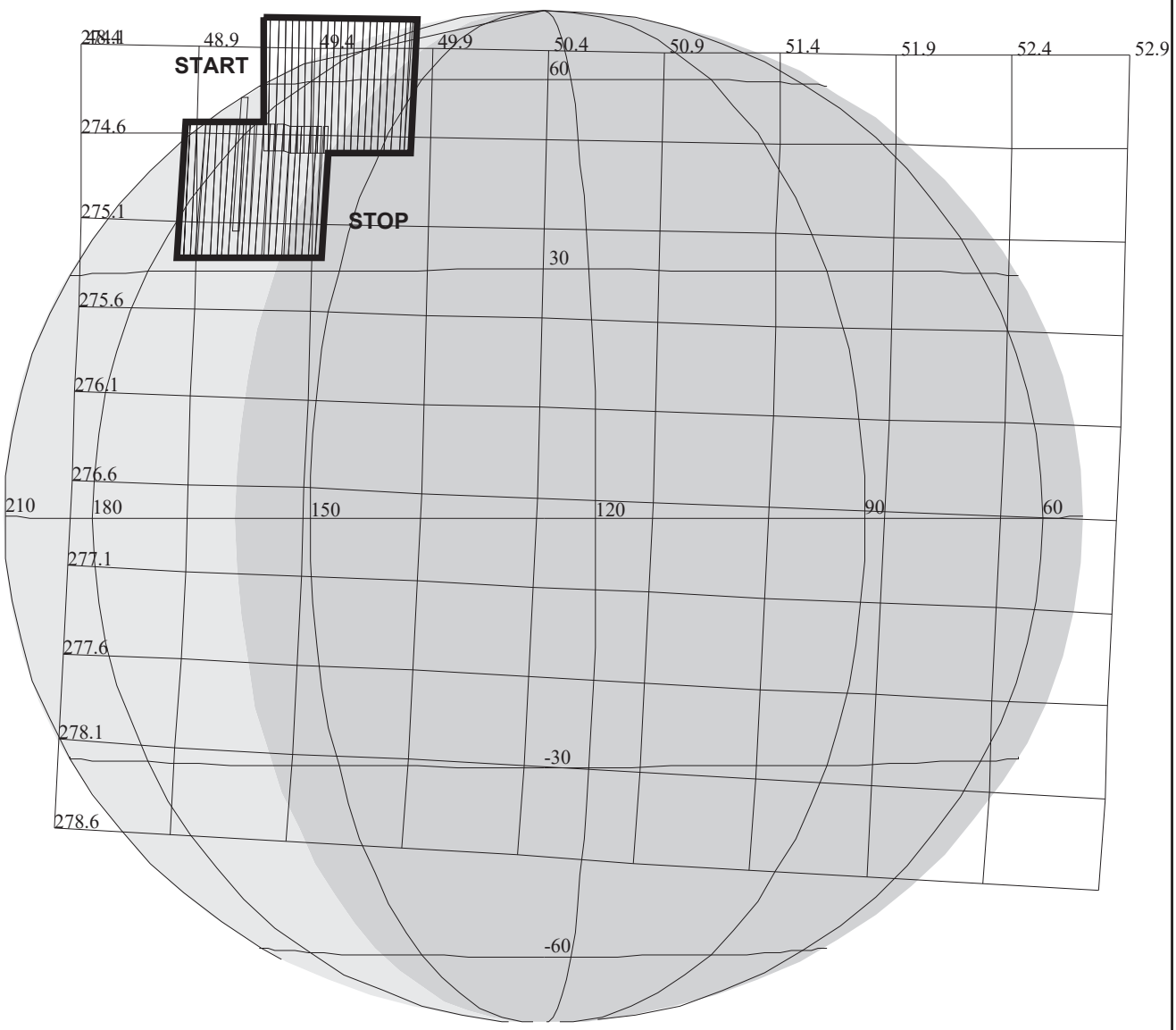
Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude.
Spacecraft distance 1.73 million KM, NIMS IFOV (NIMSel) = 865 KM;
1 X 2 mosaic covers 17300 X 31140 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.15991 MBTG in 15 colors, and using 0.00739 tracks.
Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:47 rev 6/95



165FY:TT= 0 TMC= 1 C= -8.00 XC= 2.00 BS= 0/9754 TC= 1(65 170)
A= 728 pD= 0 SR=17.450 RA50= 84.12 DEC50= 27.05 cone= 49.20 clock=274.32
117FY:#SB= 1 OR= 0.100 RR=12.000 BM=F RC= 1 BS= 0/9754
1:#s= 2 Cs= 10.80 XCs= 0.00 Cr= -17.00 XCr= 8.00 sD= 300 rD= 40

10JNFEA12402

DESIGN G3.2 lisac: 9/26/1997 12:26:58

FILE:P.10JNFEA12402

CENTRAL BODY:JUPITER III

MINI:m.10JNFEA12402

S/C EPH:/DATA/NAVIO/T-970801-tour.NS

PERIAPSIS: **THINNING:NIM 2**

START:JEE 97-261/23:10:15.933 +CDS 2549:00:0 **BODY PLOT TIME:TARGET-TIME D= 0 S= 0.850**

OBSERVATION:10JNFEA12402 **DESCRIP:Jup_Fea_trk_124_deg_phase_02**

Jupiter Feature Track 124 deg phase pt 2 ACTIVITY ID: 10JNFEA12402-
START TIME: 97-263/18:02:31.933

Activity ID: Orbit 10 Target J Inst N OAPEL FEA124 SeqNo 02 -

Title	Jupiter Feature Track 124 deg phase pt 2	Instrument	NIMS
Requestor	NIMS-AWG/K. BAINES	Team	NIMS Working Group AWG

Time System	CDS	Load ID	Calendar Date 09/20/97 Week 38
Start	JEE+CDS 00002544:00:0	97-263/18:02:31.933	JEE+001/18:52:16.000
End	JEE+CDS 00002553:00:0	97-263/18:11:37.933	JEE+001/19:01:22.000
Duration	00000009:00:0	000/00:09:06.000	000/00:09:06.000

Top Label	10JNFEA12402-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	153	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

One of 17 OAPELS constituting the feature tracks for the North Polar Auroral zone feature campaign. This is the second of three observations obtained on a rotation with phase angle approximately 124 degrees. Jupiter imaged in 15 colors, using NIMS downlink wavelength table JFT15A. This observation acquired with North Polar Auroral zone feature near morning limb, assuming feature coordinates 65 degrees north latitude (planetographic) and 170 degrees west longitude (System III).

Data Returned

Design Detail

Short map, Nyquist-sampled observation of 1 X 2 (10 X 18 mrad) area centered on North Polar Auroral zone feature near 170 degrees west longitude, 65 degrees north planetographic latitude. Spacecraft distance 1.74 million KM, NIMS IFOV (NIMSel) = 870 KM; 1 X 2 mosaic covers 17400 X 31320 KM. About 220 seconds of scanning, including 20 seconds for the reposition slew between tiers, accumulating 0.15991 MBTG in 15 colors, and using 0.00739 tracks. Four rims reserved for targetting.

Short Map (SM), Gain 2, Grating Start 1, LPU, JFT68C, JFT25A

Galileo Activity Plan Form 08/20/97 15:06:47 rev 6/95

NIMS Real-Time PCT Observation ACTIVITY ID: 10NNPCTRLT01-
START TIME: 97-264/13:55:38.466

Activity ID: Orbit 10 Target N Inst N OAPEL PCTRLT SeqNo 01 -

Title	NIMS Real-Time PCT Observation			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	09/21/97 Week 38
Start	PCT+CDS 00000000:00:0	97-264/13:55:38.466		PCT+000/00:00:00.000	
End	PCT+CDS 00000465:00:0	97-264/21:45:48.466		PCT+000/07:50:10.000	
Duration	00000465:00:0	000/07:50:10.000		000/07:50:10.000	

Top Label	10NNPCTRLT01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	450	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS photometric calibration using the PCT target.
The data will be used to calibrate the NIMS visible detectors.
The calibration data will be returned via Real-Time.
This calibration will take place during the cruise segment of the C10 orbit when the sun-angle is approximately 6 degrees.

Data Returned

Design Detail

1) Turn off PCT heaters 6 hours before calibration.
2) Scan Platform is at Safe/Unstow (cone = 153.00, clock = 0.00)
3) Chopper on, Gain State 4,
4) Set NIMS to Long Map Mode, ETB = PCT252,
   Mirror Blocking (1B, 1B) (11011, 11011)
5) Select 1 RIM of Dark in Real-Time (Return 1 LM grating cycle)
6) Slew to PCT (cone 54.88, clock = 244.07)
7) Select 10 RIMS of PCT in Real-Time (Return 10 LM grating cycles)
8) Slew to Safe (cone = 153.00, clock = 0.00)
9) NIMS to Safe Mode, Reset Mirror Blocking (00,00) (00000, 00000)
10) Chopper Off.

Long Map (LM), Gain 4, Grating Start 0, RT, C10PCT252

Galileo Activity Plan Form 08/20/97 15:06:47 rev 6/95

POWER MODE CAL/DEC NIMS RT CAL — ACTIVITY ID: 10NNRCTRLT01- — START TIME: 97-266/02:51:59.733

Activity ID: Orbit 10 Target N Inst N OAPEL RCTRLT SeqNo 01 -

Title	POWER MODE CAL/DEC NIMS RT CAL		Instrument		NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date 09/23/97 Week 39
Start	RTA+CDS 00000000:00:0	97-266/02:51:59.733	RTA+000/00:00:00.000
End	RTA+CDS 00000787:00:0	97-266/16:07:44.399	RTA+000/13:15:44.666
Duration	00000787:00:0	000/13:15:44.666	000/13:15:44.666

Top Label 10NNRCTRLT01-
Bottom Label

Plot Key	NIMS	Type	SCI		
CDS Bytes	447	Report Options	BOTH	Scan Platform	No
CDS Source	PA	Spin State	DUAL	DMS	No

Observation Objective

This observation is a NIMS radiometric calibration using the RCT target.
The data will be used to calibrate the NIMS thermal detectors.
The calibration data will be returned using Real-time Telemetry.

Data Returned

Design Detail

This is a Library Sequence.

The Dark cone angle must be selected using Pointer.

1) Turn on RCT Heaters for 12 hours.
2) Set Engineering Variable Map to return NIMS Temps more frequently.
3) Set NIMS to Long Map Mode, Gain state 1, Chopper Reference, Mirror Blocking (11011,11011), ETB=RCT252.
4) Pause playback before using scan platform.
5) Slew to Dark (cone = 119.7), return 1 grating cycle (12 mf) in R/T
6) Slew to RCT (cone = 0.0), return 2 grating cycles (12 mf) in R/T
7) Slew to Dark (cone = 119.7), return 1 grating cycle (12 mf) in R/T
8) Slew to Safe (cone = 153.0)
9) Set NIMS to Safe Mode and turn off Chopper.
10) Resume Playback after using scan platform.

Long Map (LM), Gain 1, Grating Start 0, R/T, C10RCT252

Galileo Activity Plan Form 08/20/97 15:06:47 rev 6/95

POWER MODE CAL/DEC NIMS REC CAL — ACTIVITY ID: 10NNRCTRLT02-
START TIME: 97-292/09:49:59.733

Activity ID: Orbit 10 Target N Inst N OAPEL RCTRLT SeqNo 02 -

Title	POWER MODE CAL/DEC NIMS REC CAL			Instrument	NIMS
Requestor	NIMS-SWG/R. LOPES	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID		Calendar Date	10/19/97 Week 42
Start	RTB+CDS 00000000:00:0	97-292/09:49:59.733		RTB+000/00:00:00.000	
End	RTB+CDS 00000787:00:0	97-292/23:05:44.399		RTB+000/13:15:44.666	
Duration	00000787:00:0	000/13:15:44.666		000/13:15:44.666	

Top Label	10NNRCTRLT02-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	447	Report Options	BOTH	Scan Platform	Yes
CDS Source	PA	Spin State	DUAL	DMS	Yes

Observation Objective

This observation is a NIMS radiometric calibration using the RCT target.
The data will be used to calibrate the NIMS thermal detectors.
The calibration data will be returned using Real-time Telemetry.

Data Returned

Design Detail

This is a Library Sequence.

The Dark cone angle must be selected using Pointer.
1) Turn on RCT Heaters for 12 hours.
2) Set Engineering Variable Map to return NIMS Temps more frequently.
3) Set NIMS to Long Map Mode, Gain state 1, Chopper Reference, Mirror Blocking (11011,11011), ETB=RCT252.
4) Pause playback before using scan platform.
5) Slew to Dark (cone = 119.7), return 1 grating cycle (12 mf) in R/T
6) Slew to RCT (cone = 0.0), return 2 grating cycles (12 mf) in R/T
7) Slew to Dark (cone = 119.7), return 1 grating cycle (12 mf) in R/T
8) Slew to Safe (cone = 153.0)
9) Set NIMS to Safe Mode and turn off Chopper.
10) Resume Playback after using scan platform.

Long Map (LM), Gain 1, Grating Start 0, R/T, C10RCT252

NIMS OPCAL

ACTIVITY ID: 10NNOPCAL_01-
START TIME: 97-302/11:54:37.933

Activity ID: Orbit 10 Target N Inst N OAPEL OPCAL_ SeqNo 01 -

Title	NIMS OPCAL			Instrument	NIMS
Requestor	NIMS-SWG/M. SEGURA	Team	NIMS	Working Group	SWG

Time System	CDS	Load ID	Calendar Date	10/29/97	Week 44
Start	JEE+CDS 00057723:00:0	97-302/11:54:37.933		JEE+040/12:44:22.000	
End	JEE+CDS 00057741:00:0	97-302/12:12:49.933		JEE+040/13:02:34.000	
Duration	00000018:00:0	000/00:18:12.000		000/00:18:12.000	

Top Label	10NNOPCAL_01-				
Bottom Label					
Plot Key	NIMS	Type	SCI		
CDS Bytes	0	Report Options	BOTH	Scan Platform	Yes
CDS Source	OAP	Spin State	DUAL	DMS	No

Observation Objective

Perform NIMS Optical Calibration to calibrate the NIMS grating.

Data Returned

Design Detail

Long Map, gain state 4.
Mirror Block On (1B,1B) - central mirror positions only.
Target Dark sky.
Select NIMS Real Time
Use 37IST to turn on OPCAL Lamp (two times).
1 Rim OPCAL
1 Rim Dark
1 Rim OPCAL

Long Map (LM), Gain 4, Grating Start 0, R/T, OPCAL120

Galileo Activity Plan Form 08/20/97 15:06:48 rev 6/95

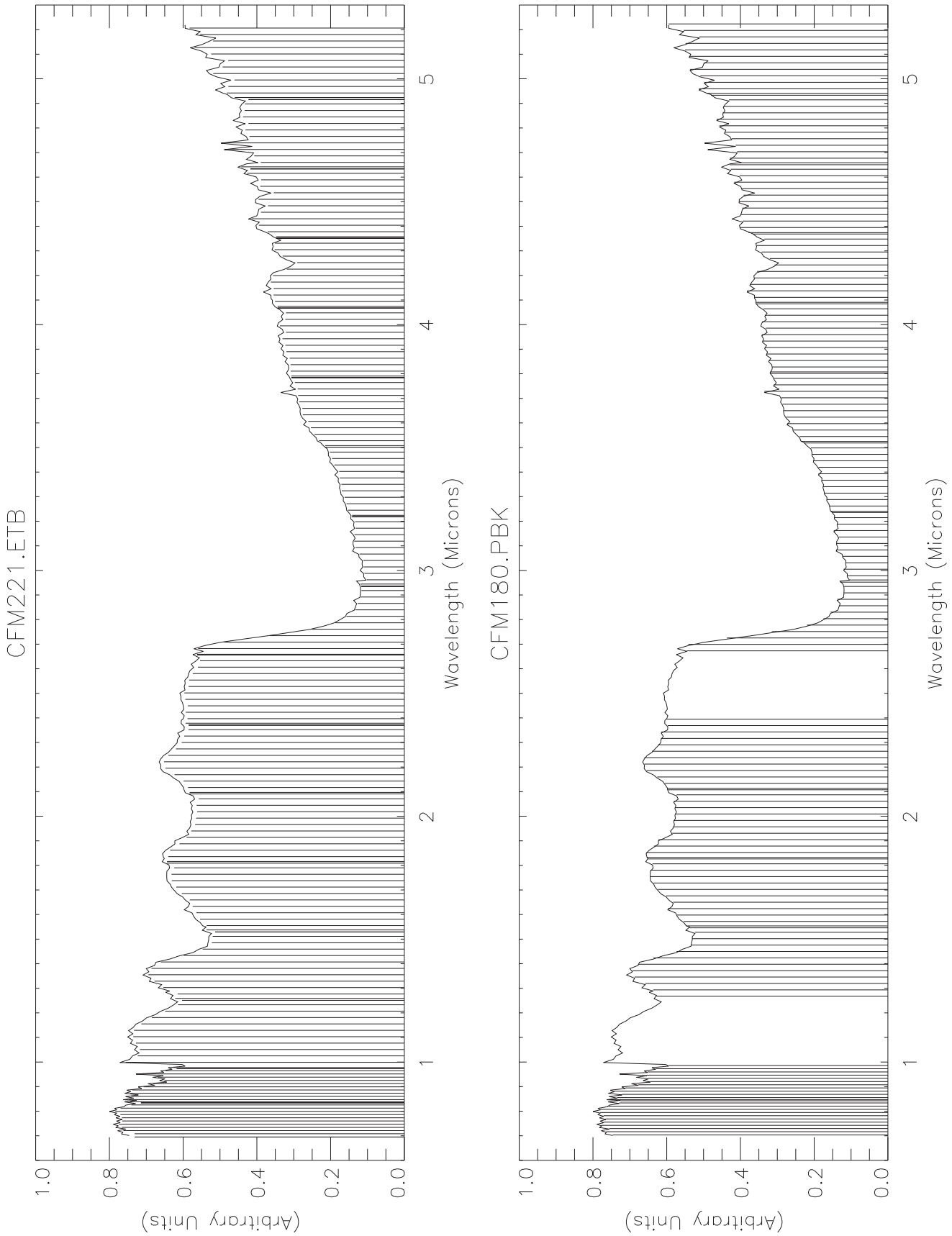
Chapter 6 - Edit Tables

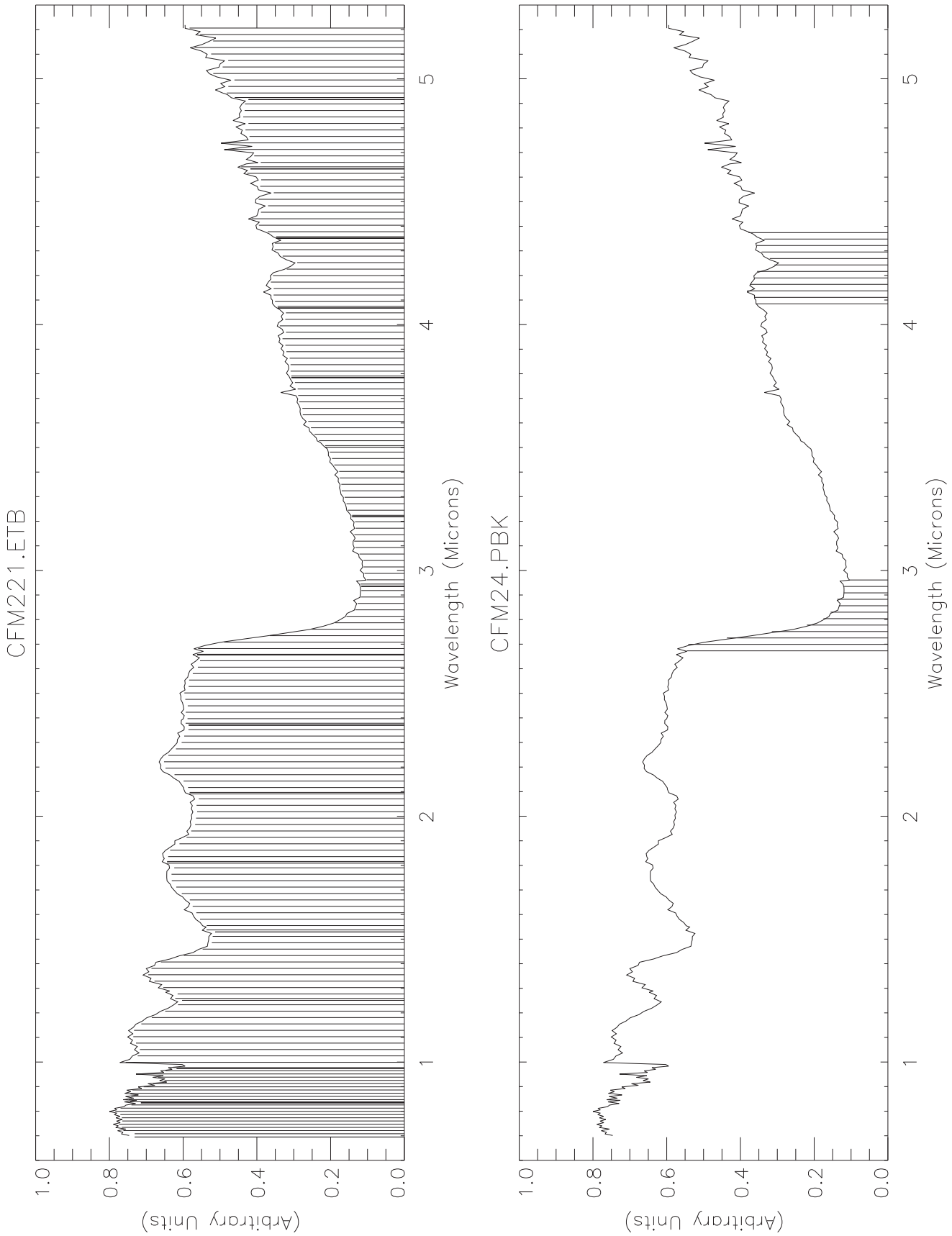
Contents

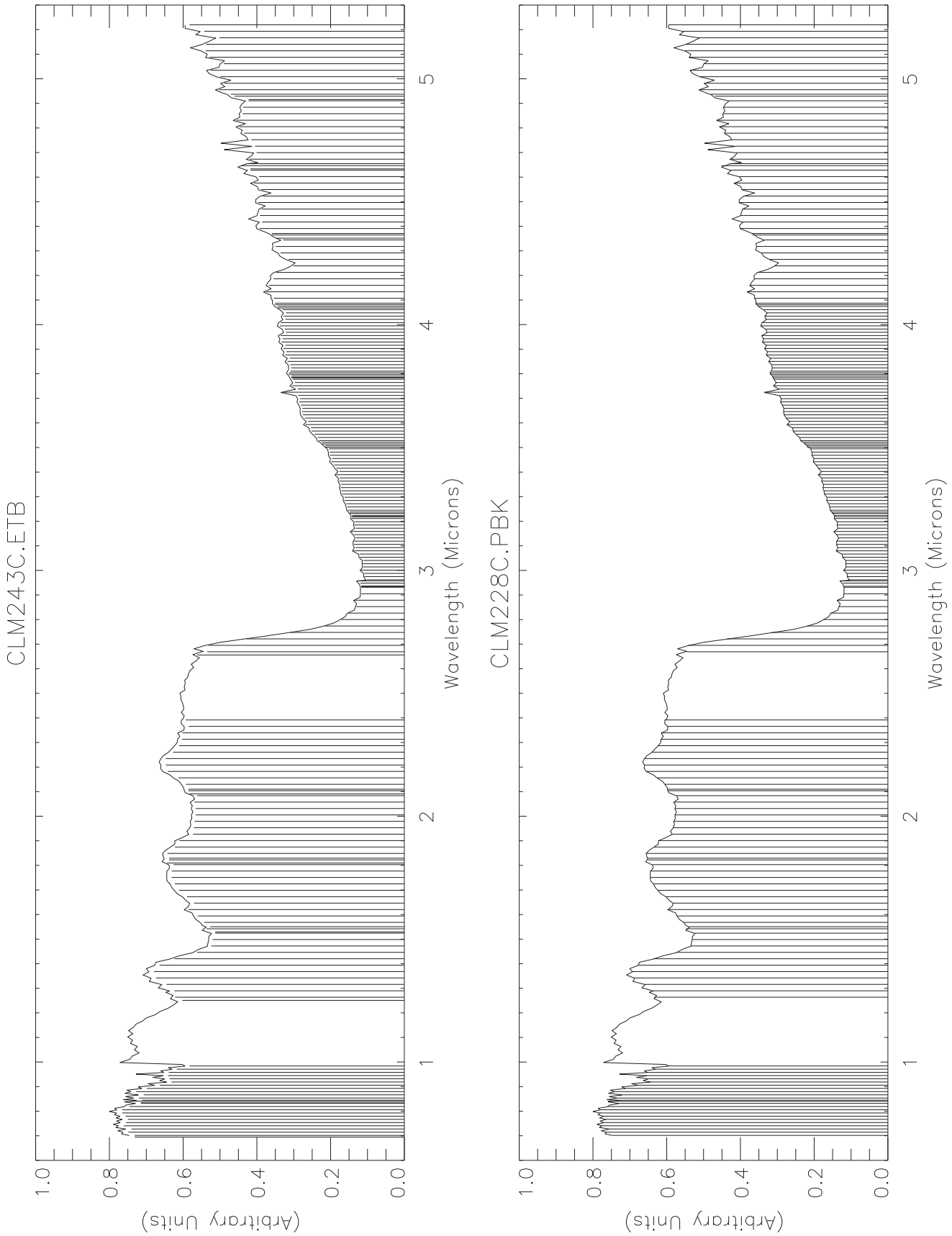
Introduction to Chapter 6

NIMS Edit Table Plots

This chapter contains plots of the NIMS Edit Tables used in C10. The representative spectra used in these plots are observational reference spectra for the target body as obtained from telescopic observations from the Earth. Each reference spectrum is a composite of multiple published sources. Vertical lines below the reference curves mark the wavelengths selected for return. Where no spectral information is available, the selected wavelengths are shown as lines with amplitude equal to .05 on the vertical axis.


CFM221.ETB
CFM180.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


CFM221.ETB
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)
CFM24.PBK
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


CLM243C.ETB
CLM228C.PBK
(Arbitrary Units)
Wavelength (Microns)
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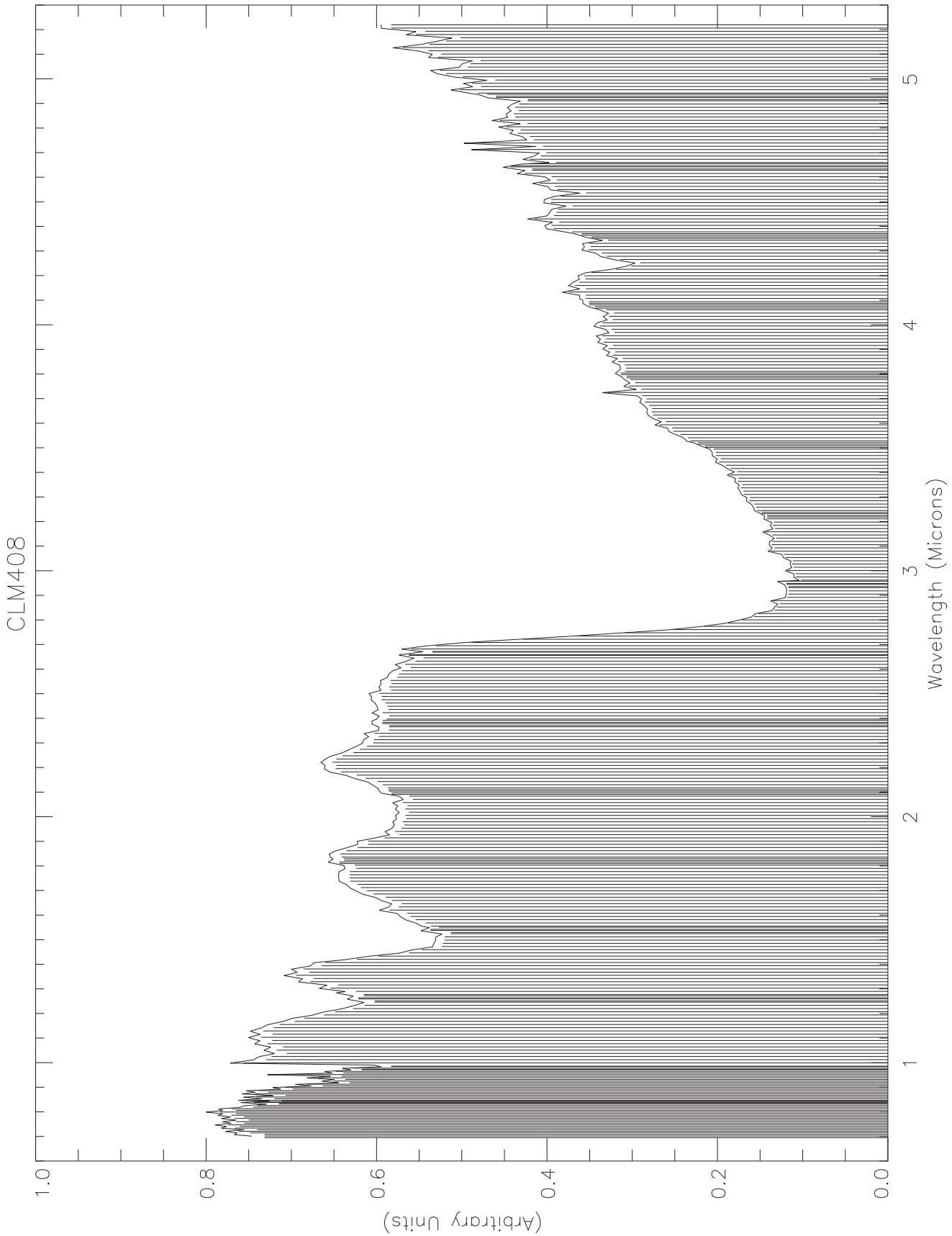
0.4
0.6
0.8
1.0
1
2
3
4
5


CLM408
(Arbitrary Units)
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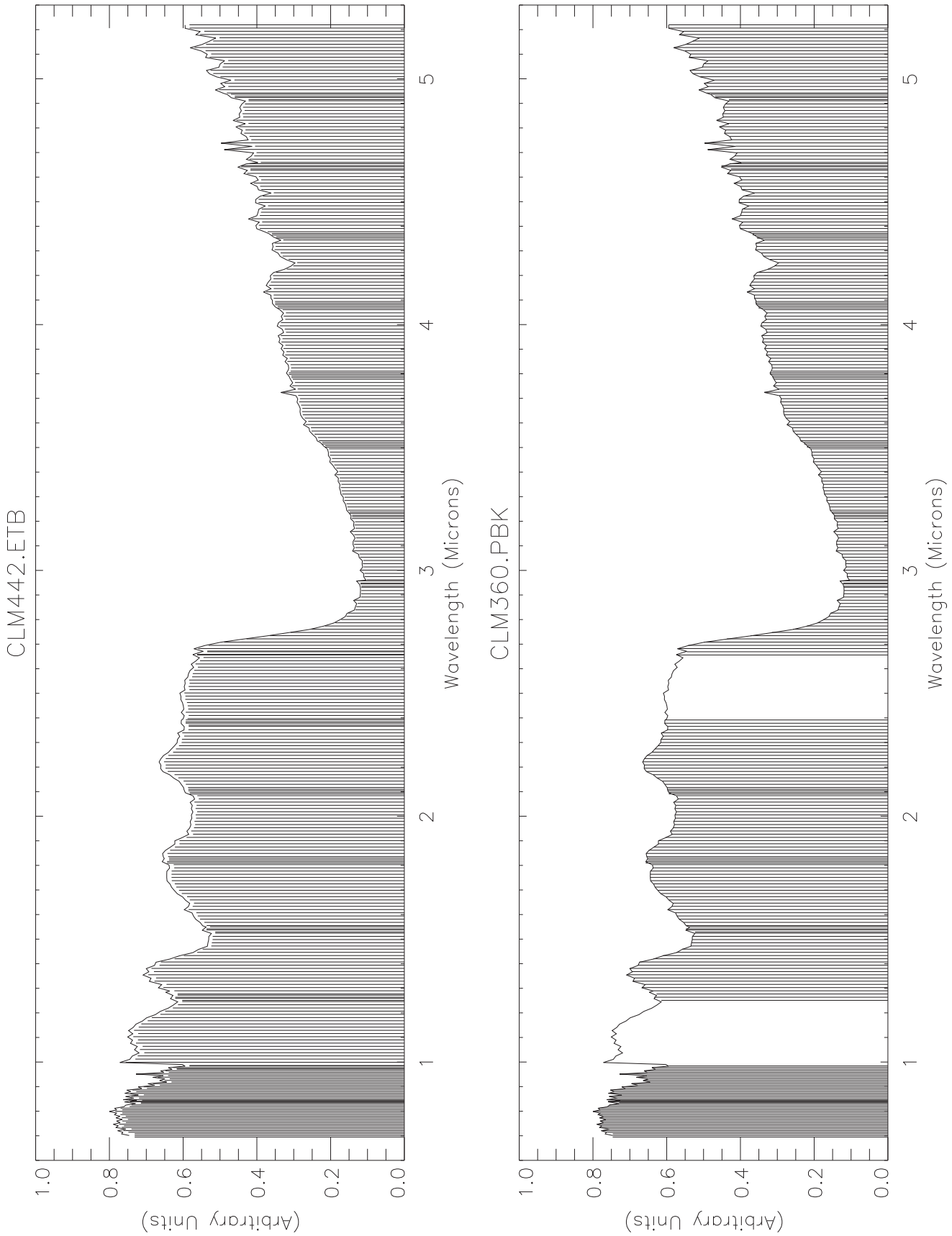
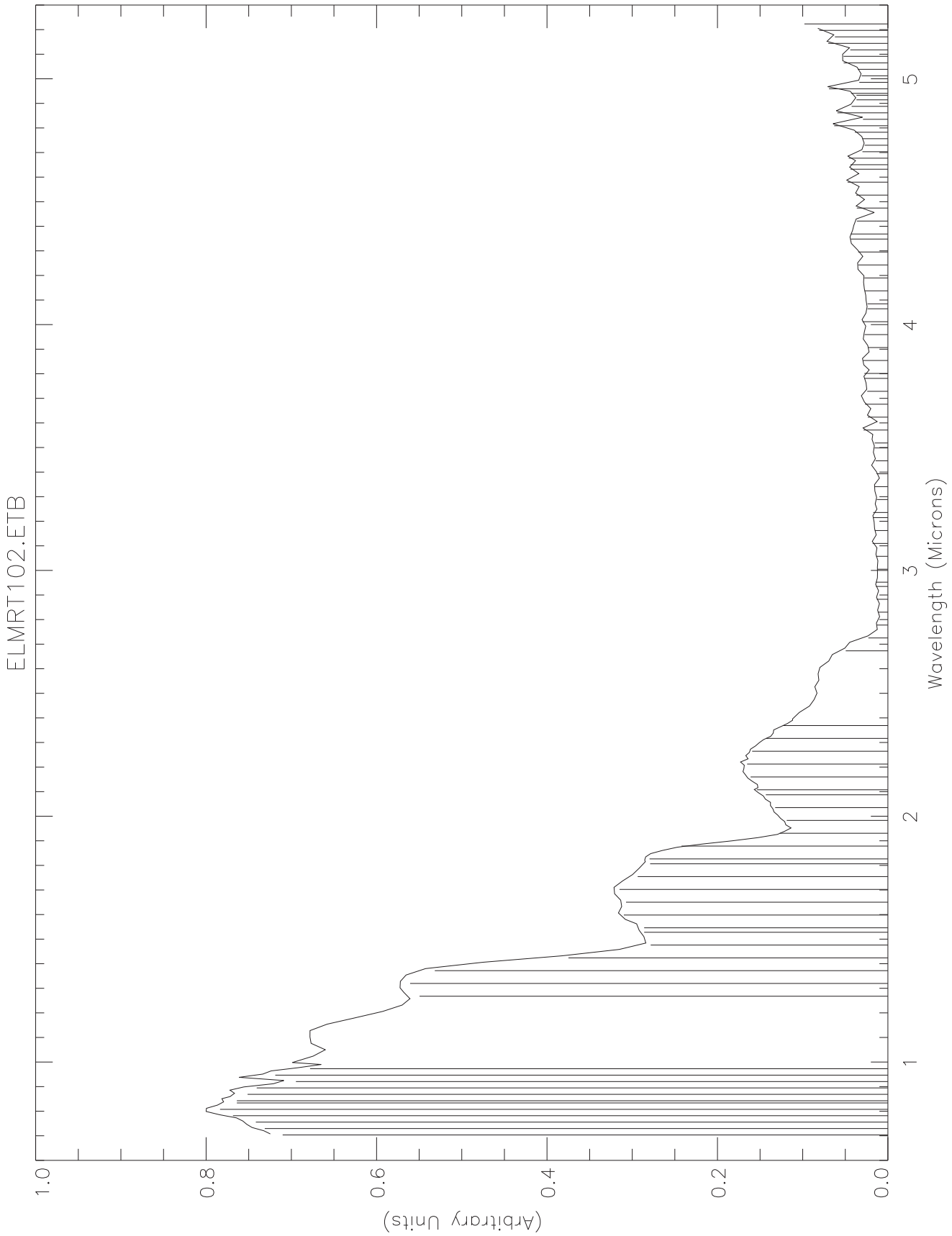
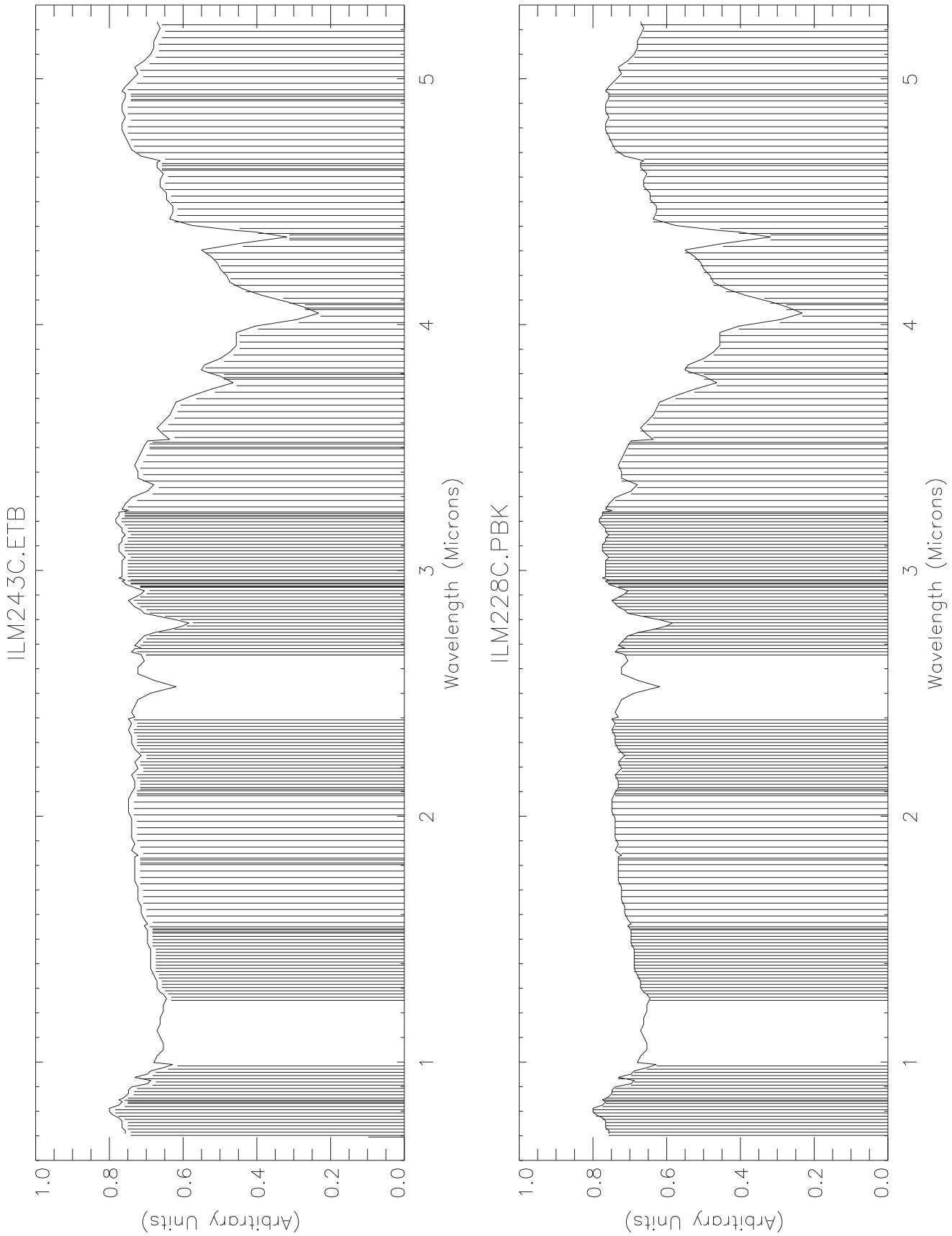
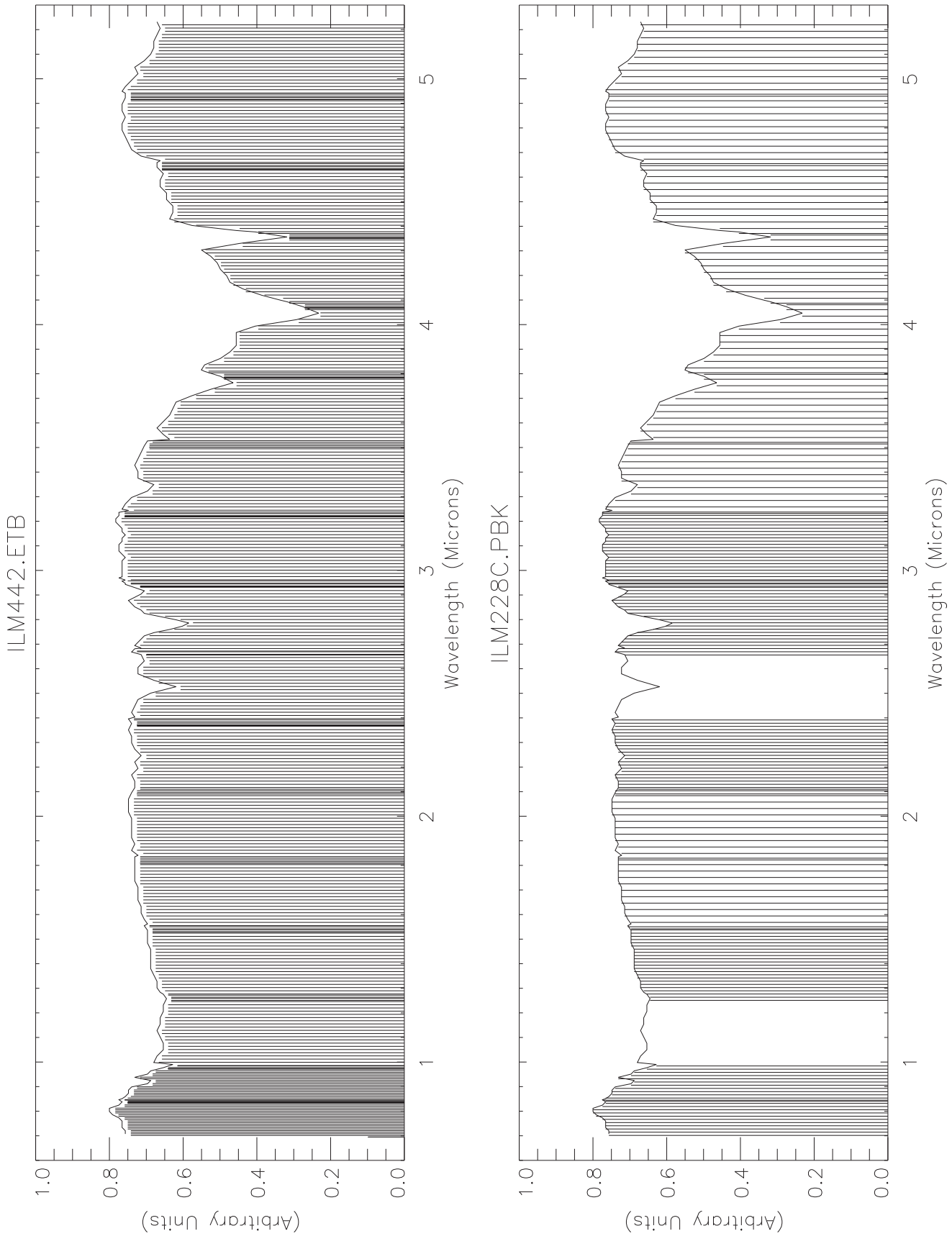
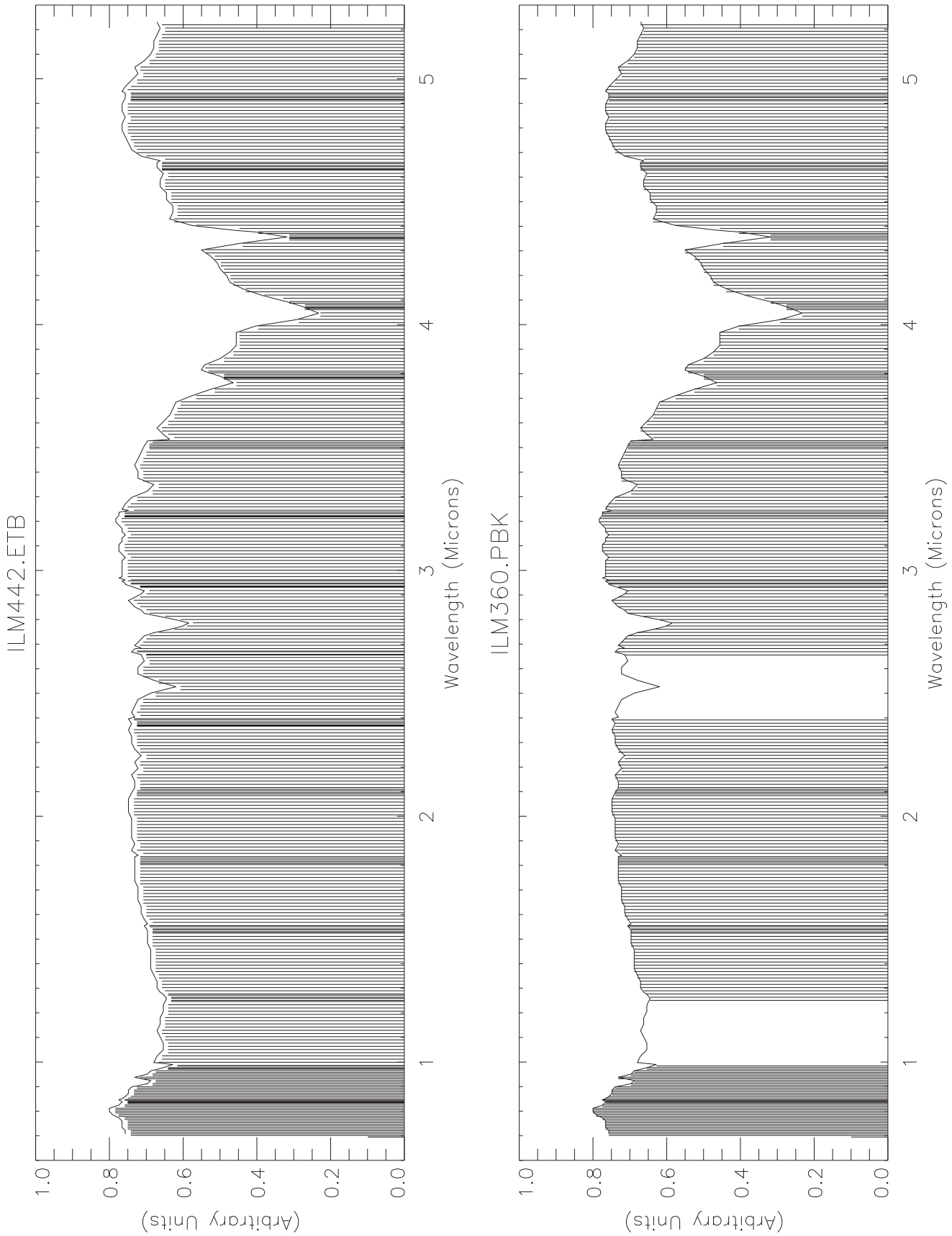
0.8
1.0
1
2
3
4
5
Wavelength (Microns)

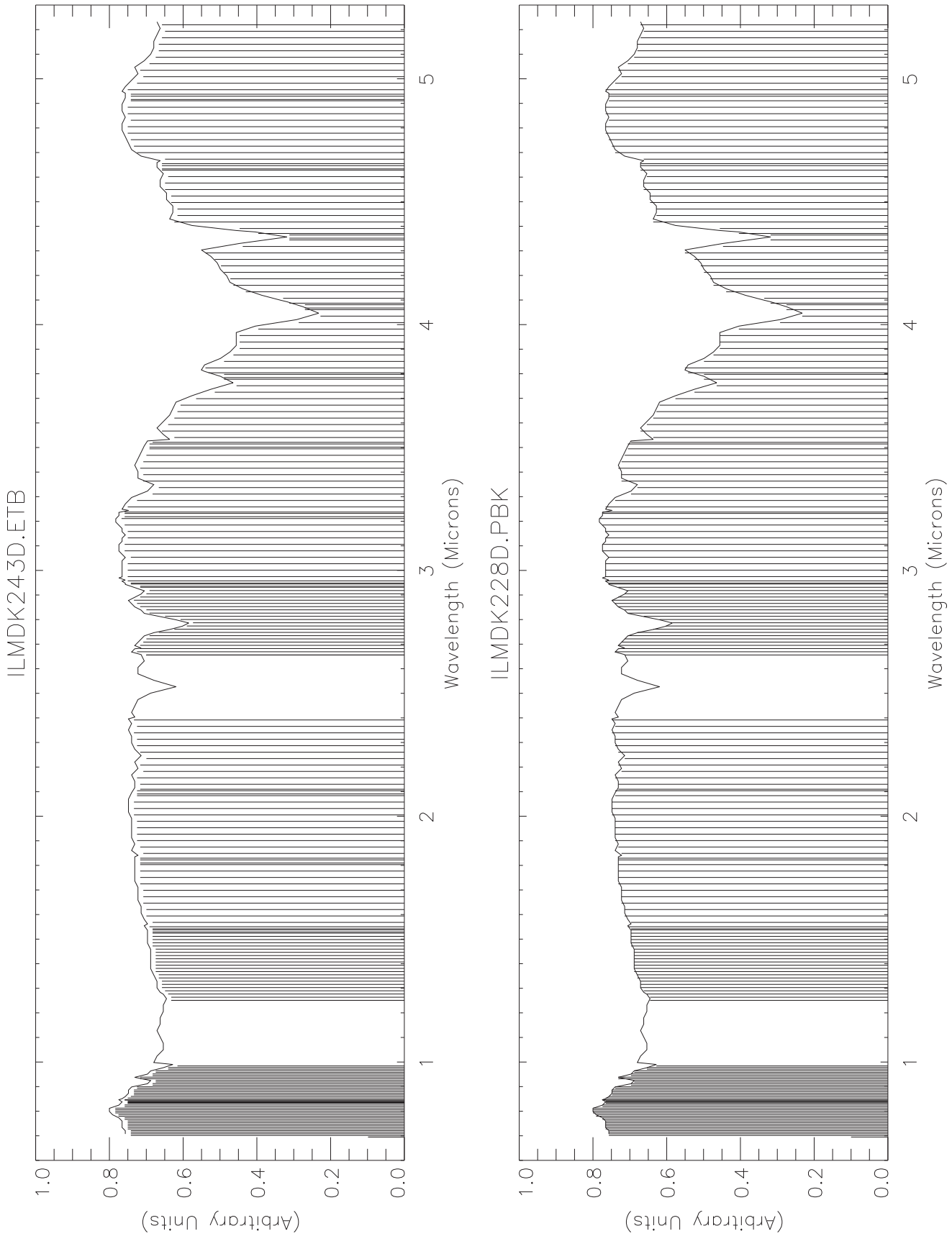

CLM442.ETB
CLM360.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5

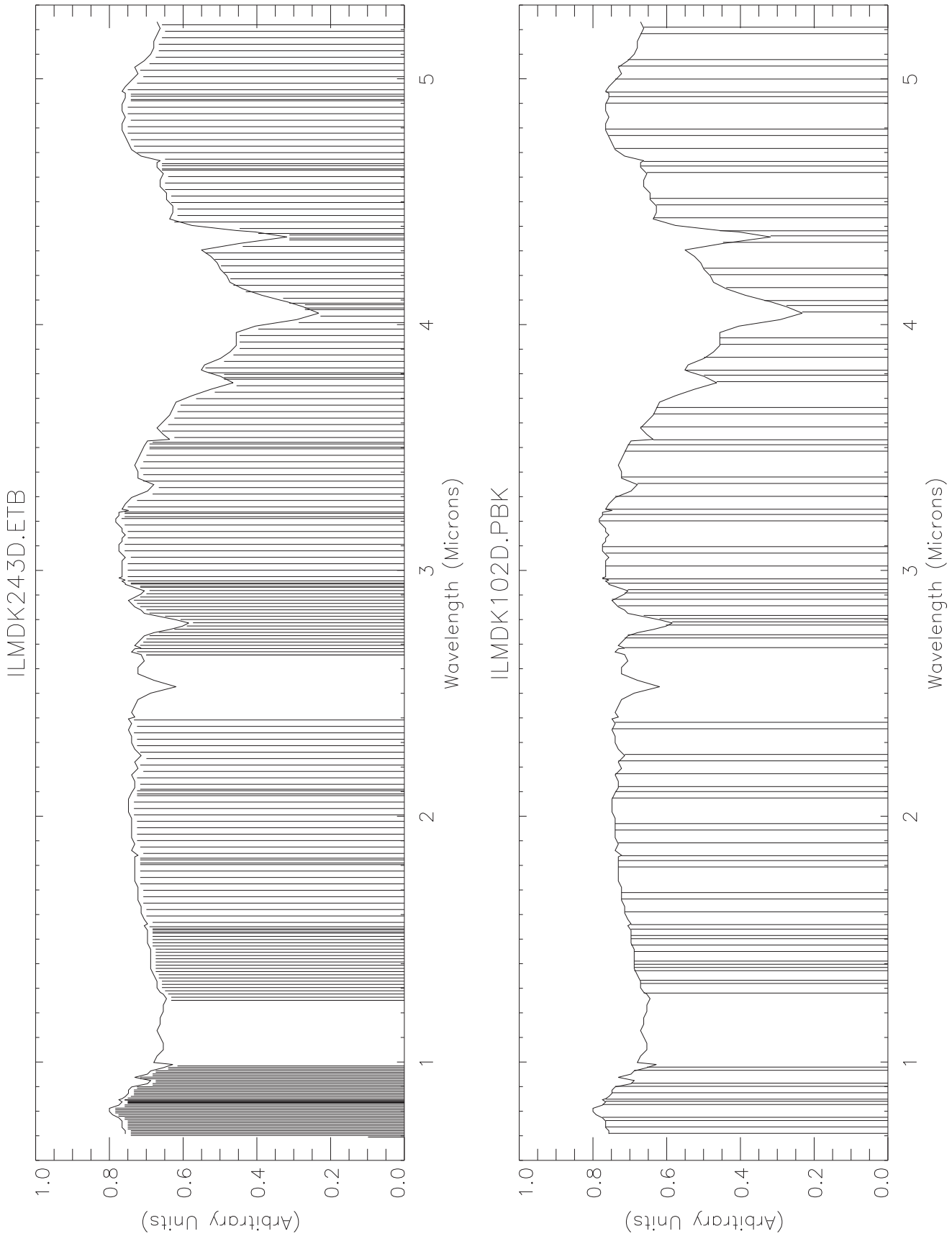

ELMRT102.ETB
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


ILM243C.ETB
ILM228C.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


ILM442.ETB
ILM228C.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


ILM442.ETB
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)
ILM360.PBK
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


ILMDK243D.ETB
ILMDK228D.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


ILMDK243D.ETB
ILMDK102D.PBK
(Arbitrary Units)
Wavelength (Microns)
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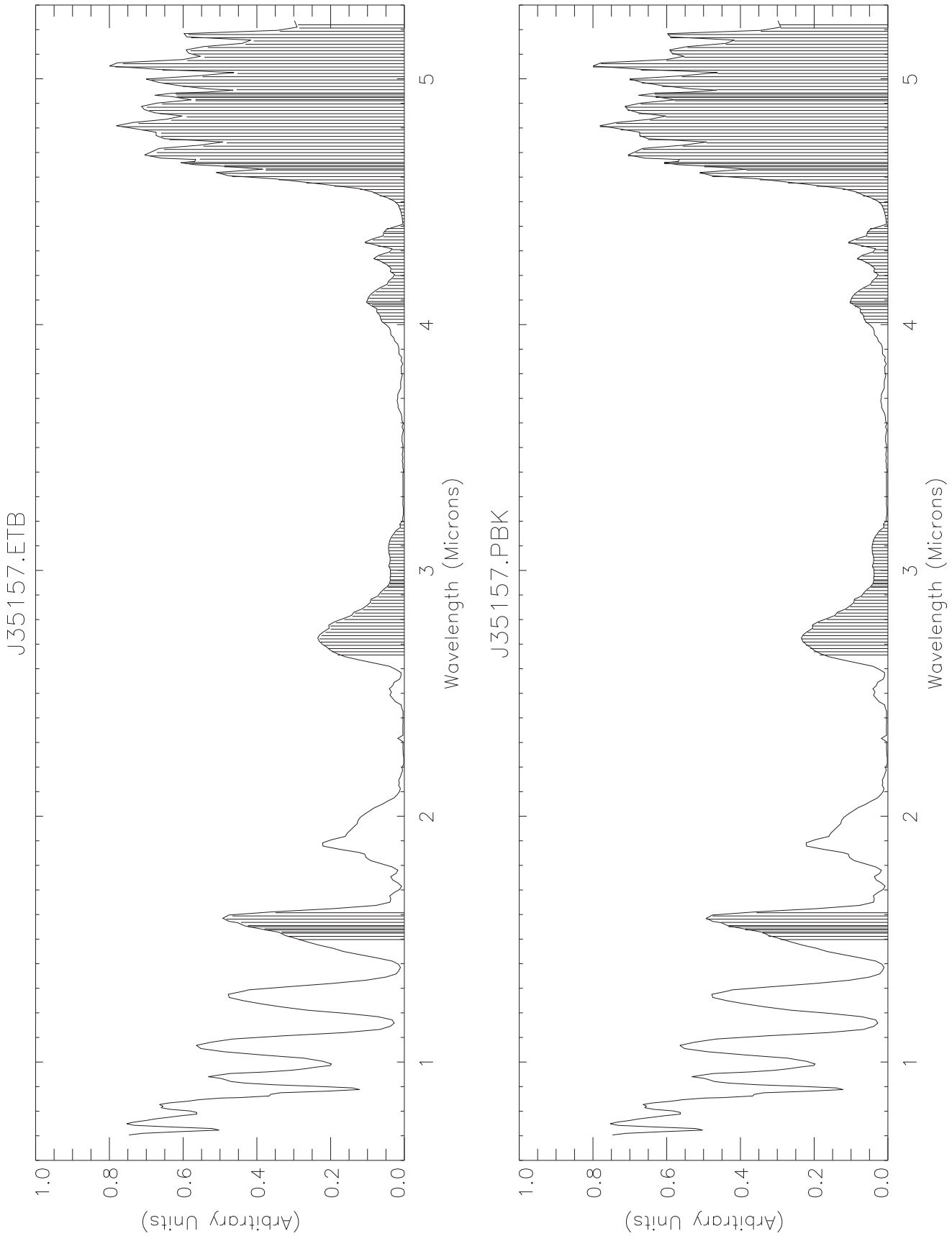
0.4
0.6
0.8
1.0
1
2
3
4
5


J35157.ETB
J35157.PBK
(Arbitrary Units)
Wavelength (Microns)
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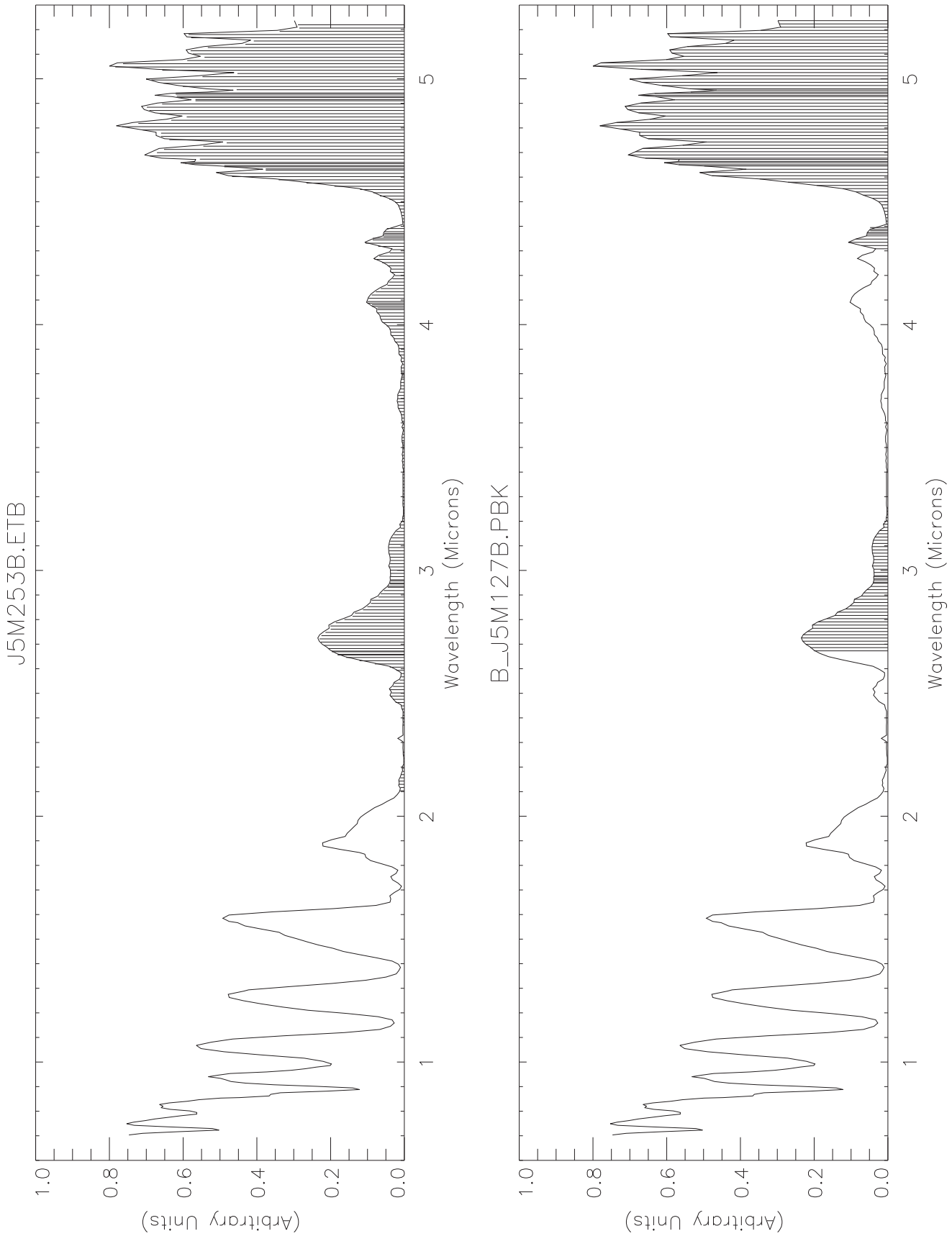
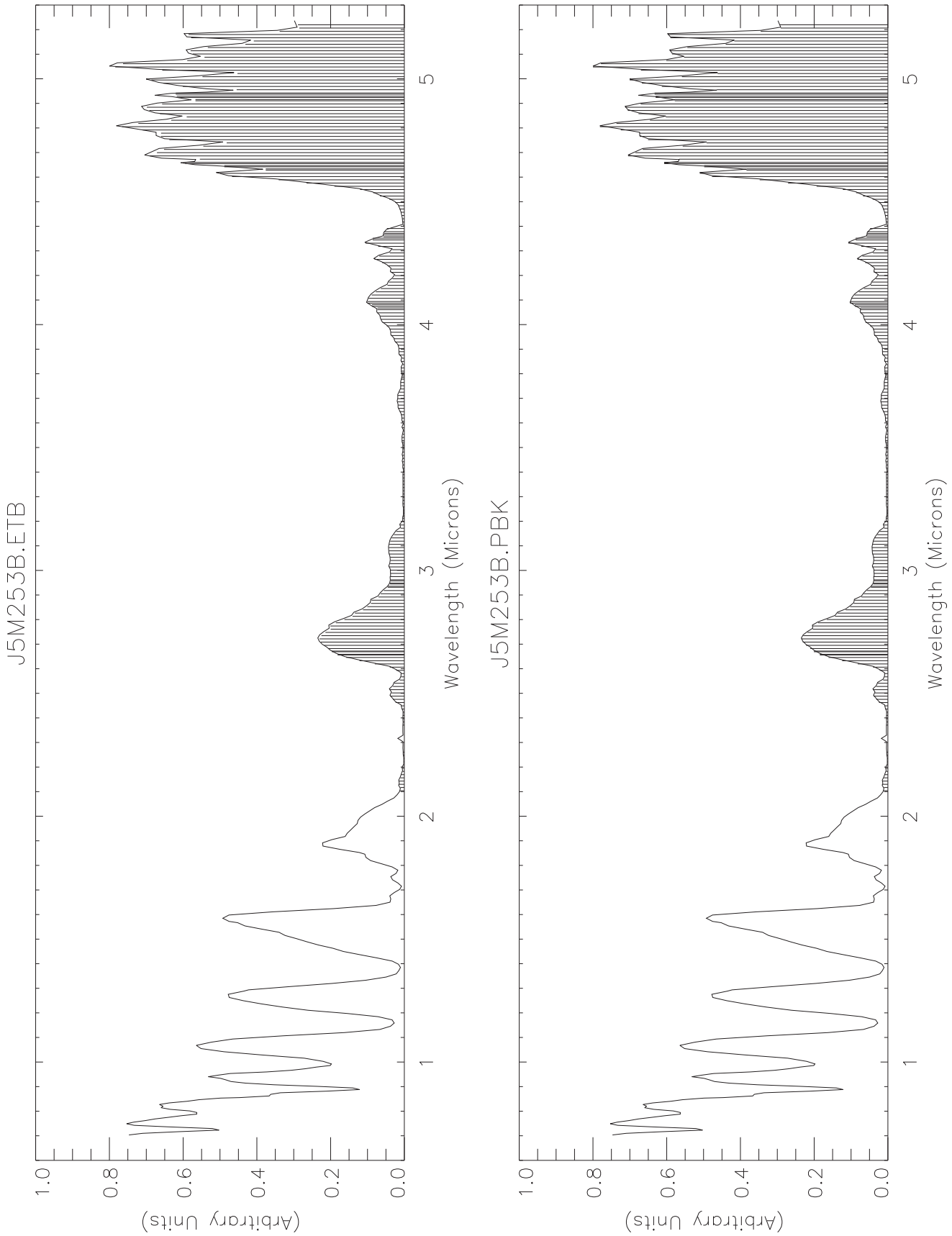
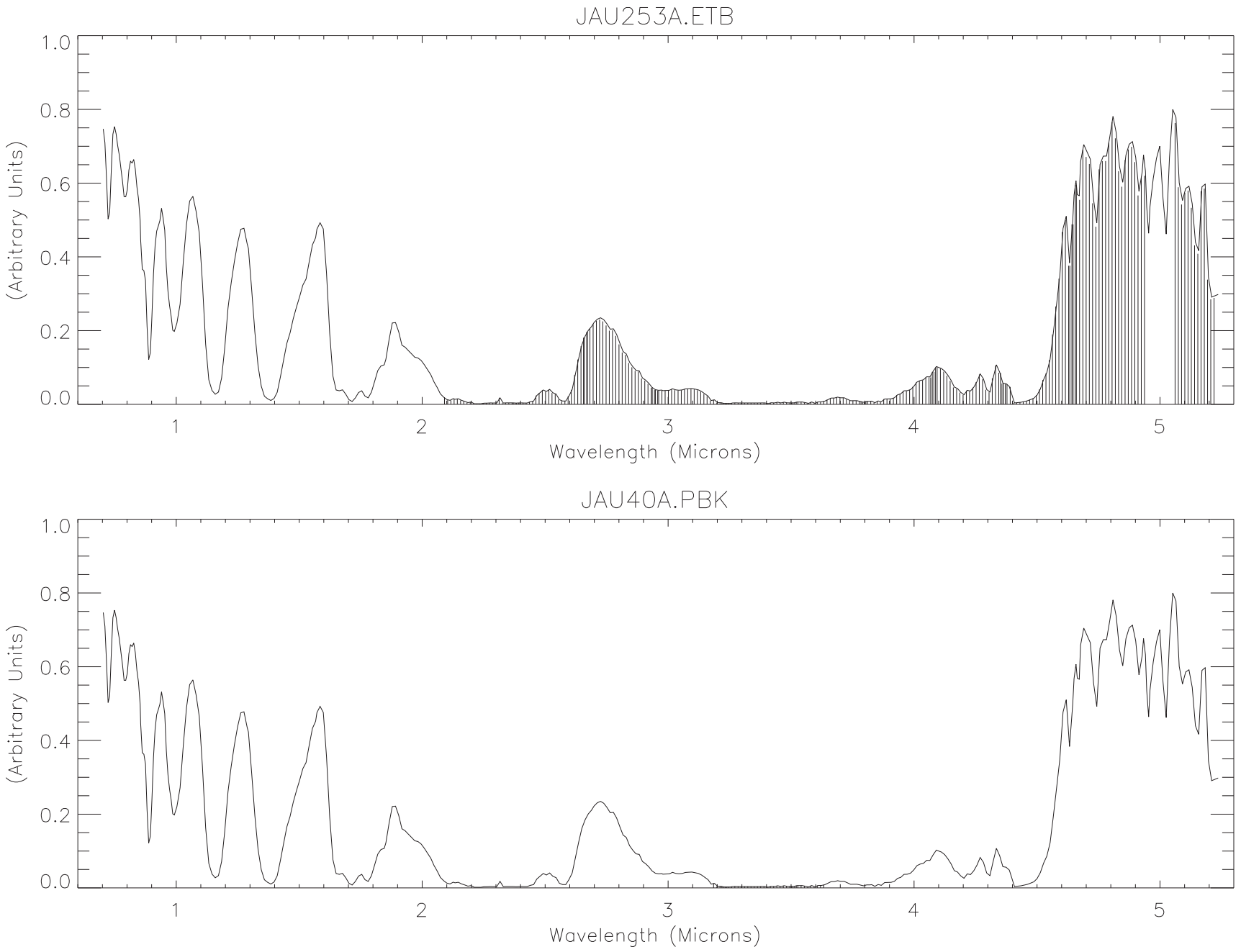
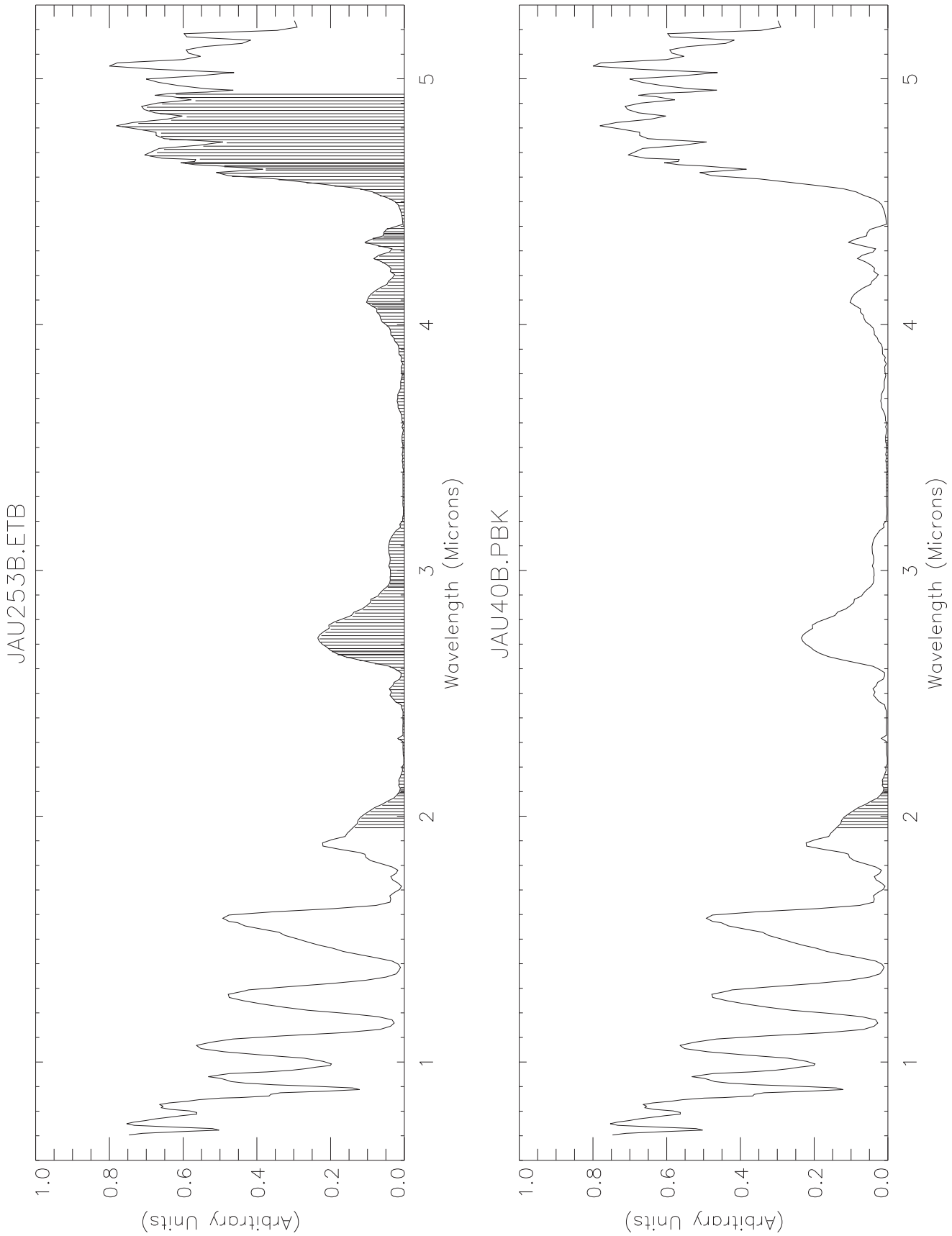
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


J5M253B.ETB
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)
B_J5M127B.PBK
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


J5M253B.ETB
J5M253B.PBK
(Arbitrary Units)
Wavelength (Microns)
0.0
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


JAU253A.ETB
1.0
0.8
0.6
0.4
0.2
0.0
(Arbitrary Units)
1
2
3
4
5
Wavelength (Microns)
JAU40A.PBK
1.0
0.8
0.6
0.4
0.2
0.0
(Arbitrary Units)
1
2
3
4
5
Wavelength (Microns)


JAU253B.ETB
JAU40B.PBK
(Arbitrary Units)
Wavelength (Microns)
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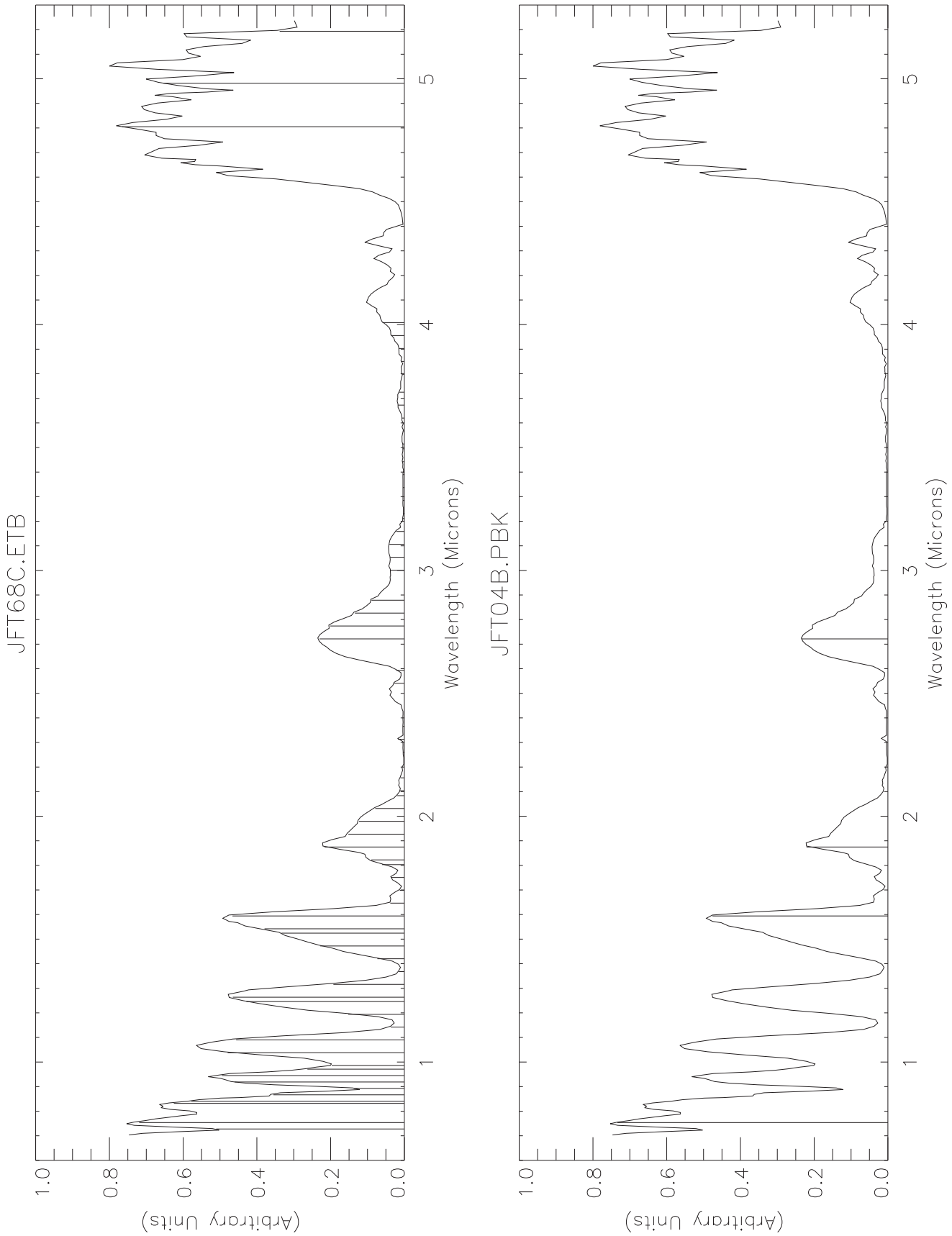
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


JFT68C.ETB
JFT04B.PBK
(Arbitrary Units)
Wavelength (Microns)
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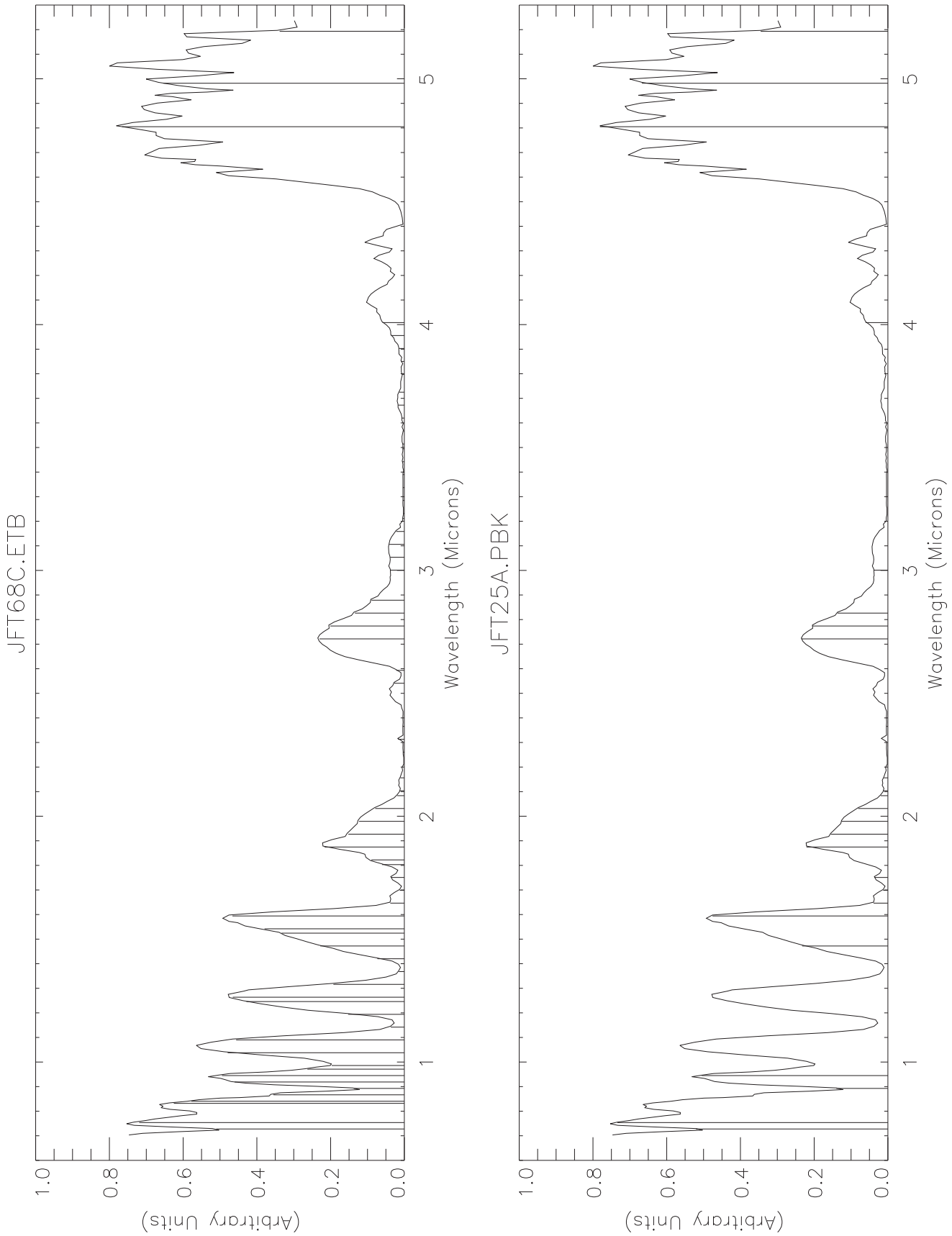
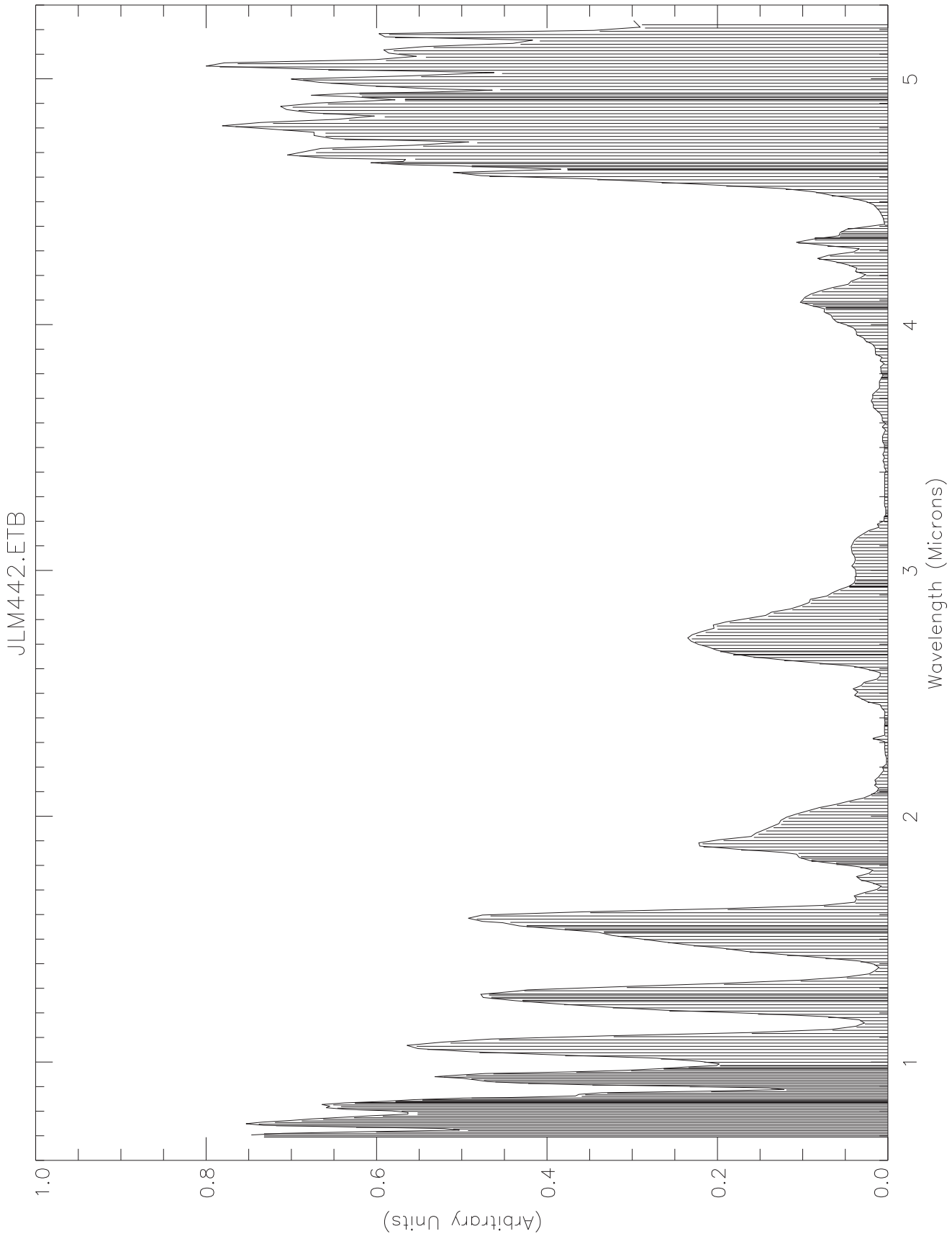
0.4
0.6
0.8
1.0
1
2
3
4
5


JFT68C.ETB
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)
JFT25A.PBK
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


JLM442.ETB
(Arbitrary Units)
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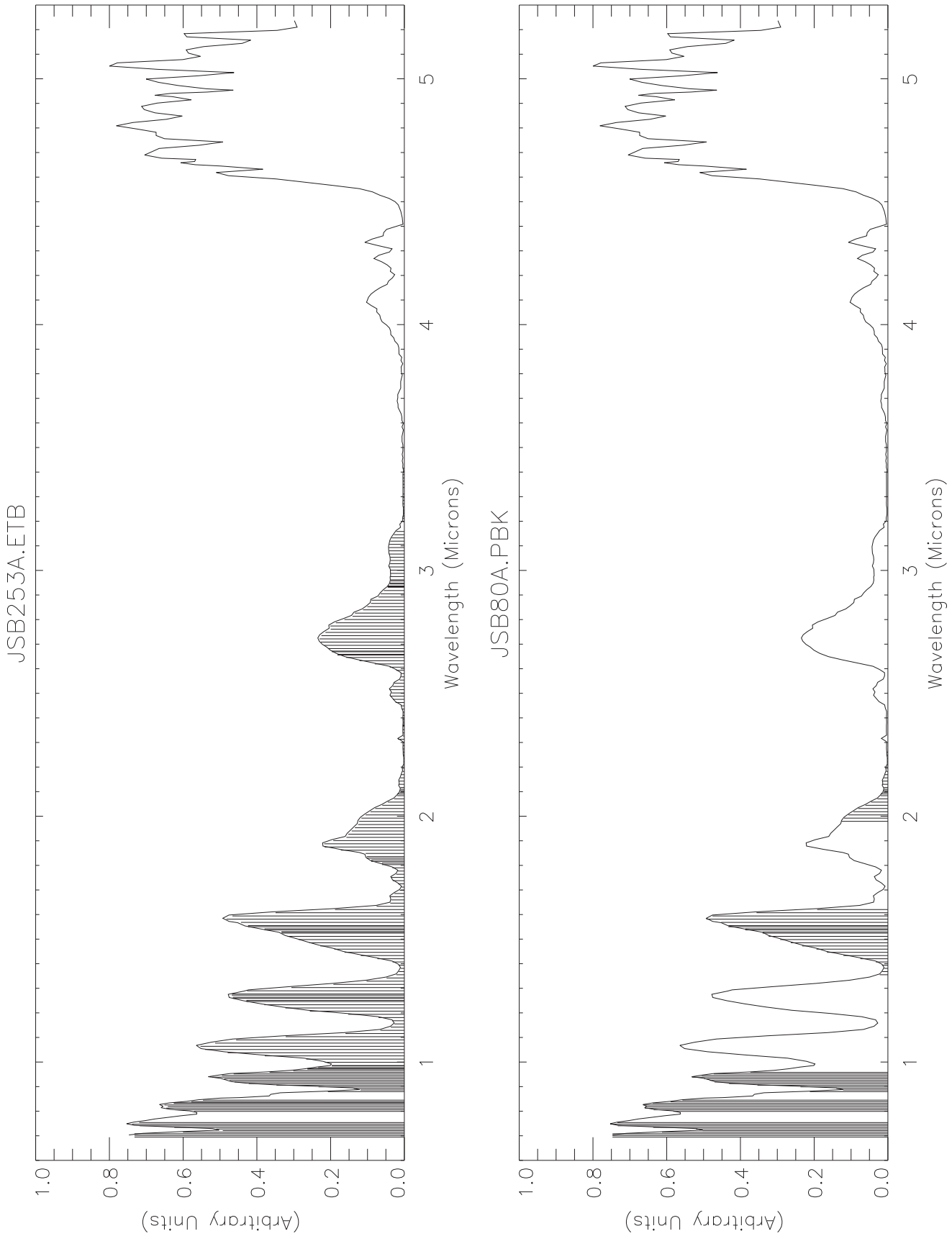
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


JSB253A.ETB
JSB80A.PBK
(Arbitrary Units)
Wavelength (Microns)
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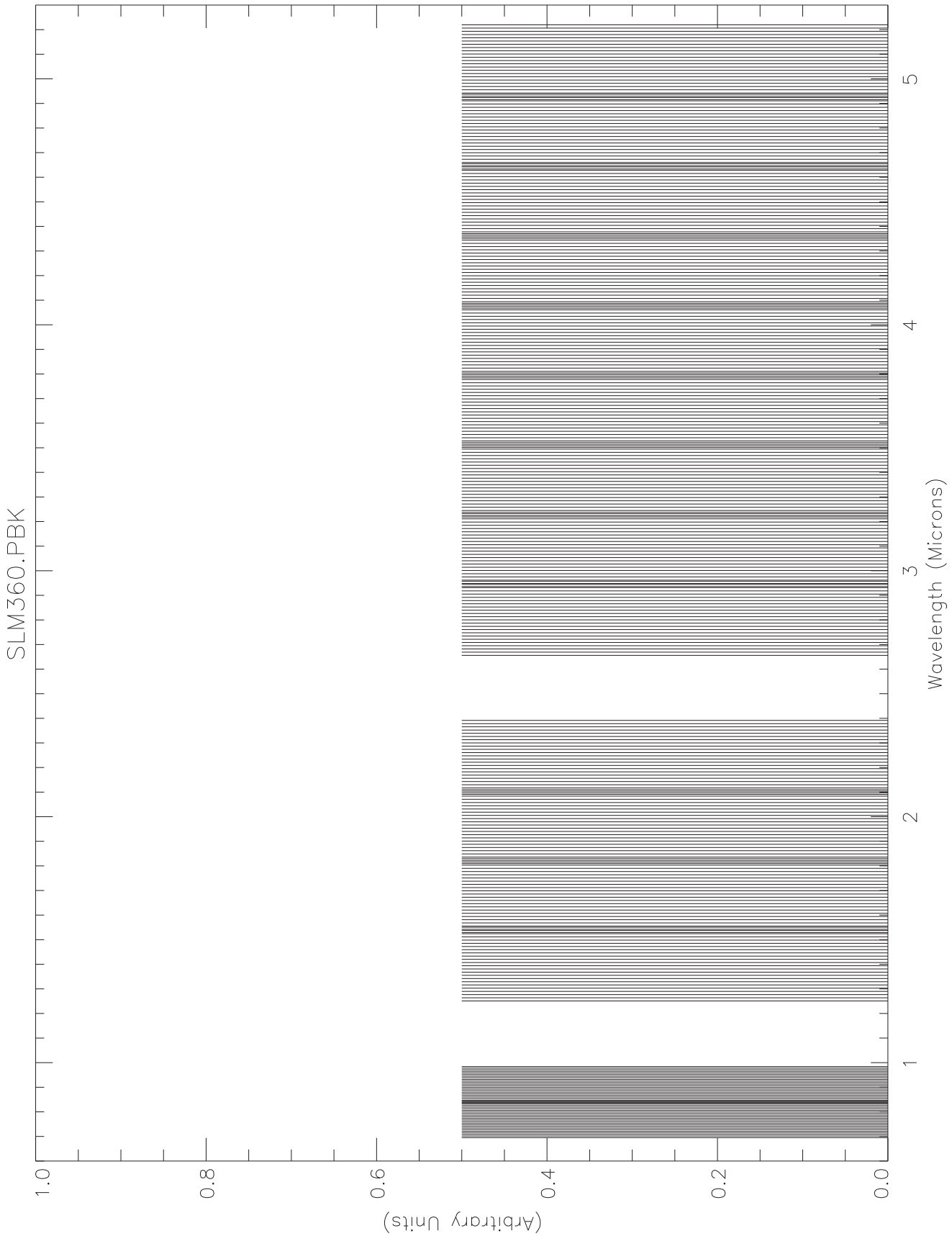
0.2
0.4
0.6
0.8
1.0
1
2
3
4
5


SLM360.PBK
(Arbitrary Units)
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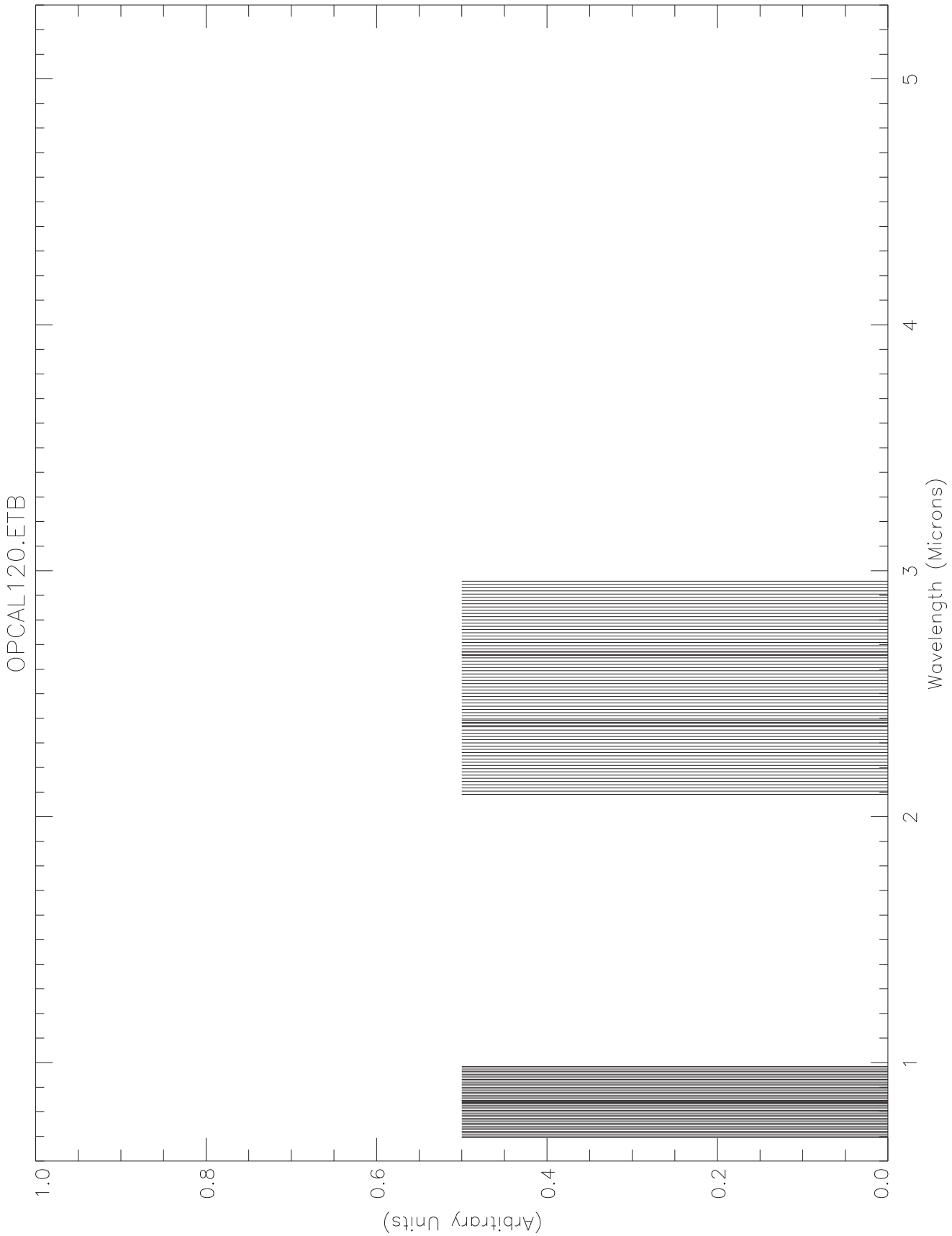
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


OPCAL120.ETB
(Arbitrary Units)
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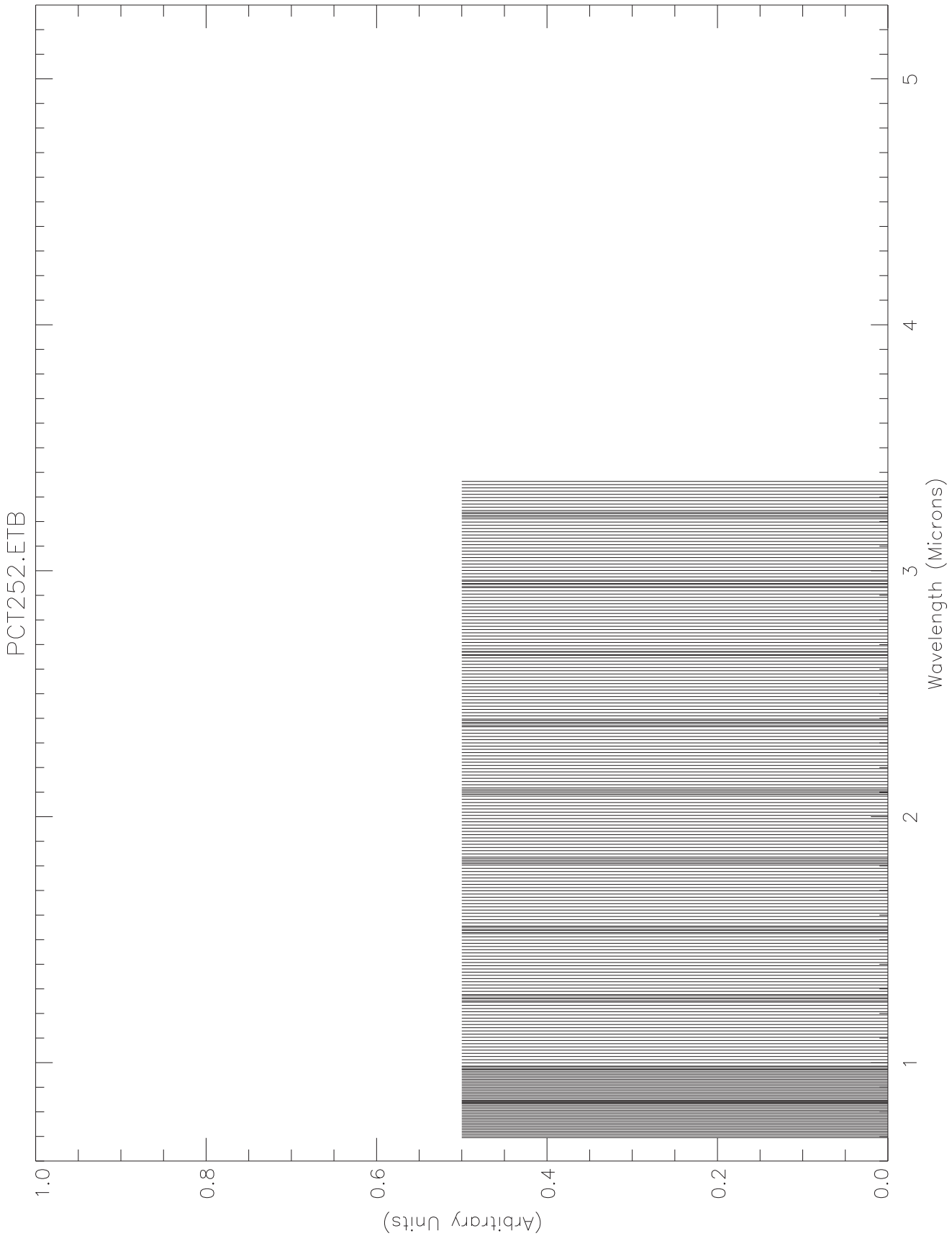
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


PCT252.ETB
(Arbitrary Units)
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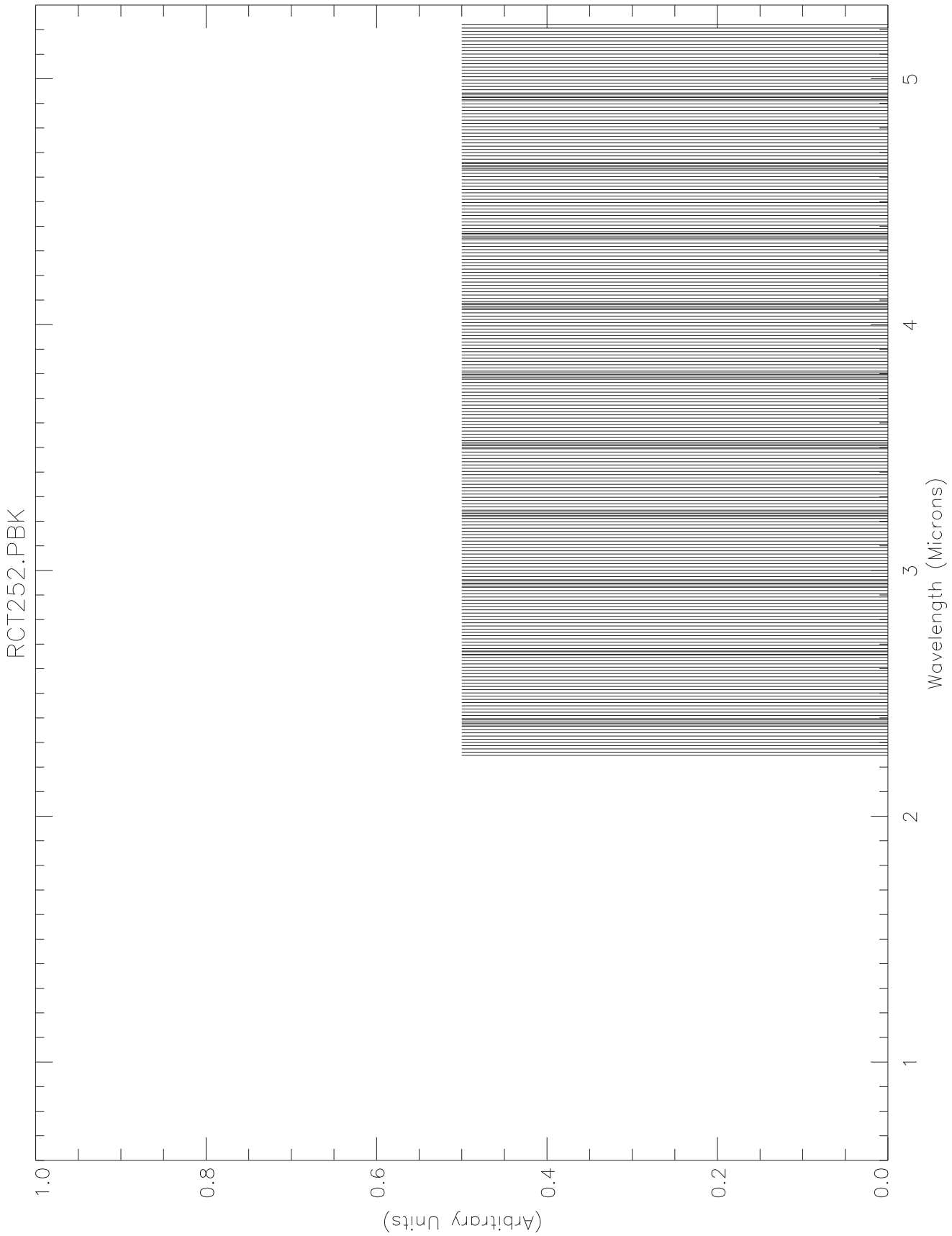
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)


RCT252.PBK
(Arbitrary Units)
1.0
0.8
0.6
0.4
0.2
0.0
1
2
3
4
5
Wavelength (Microns)

Chapter 7 - Data Return

Contents

Introduction to Chapter 7

This chapter is a report on the NIMS data return for the C10 orbit. Due to the low downlink data rates available for Galileo Jupiter Operations and other unforeseen and unpredictable events during the C10 Encounter and Cruise, not all NIMS data recorded on the tape recorder or selected in real-time were returned. The previous 6 chapters nominally describe the planning and intention of the NIMS observations for this orbit, except the obstab section in chapter 4 which was updated to give the latest parameters for the data that were actually returned.

Nine NIMS software reloads were inserted into the C10 Encounter sequence to protect against processor halts. During C10 only 5 NIMS observations was lost due to processor halts. The approach that we are taking to avoid data loss due to processor halts has proven to be very successful.

Detectors 3 and 8 are still not functioning and are expected to be lost for the rest of the mission.

During playback the rate control flag was inadvertently turned on for the playback of 8 obsrvations. These observations were played back a sencond time without rate control with minimal loss.

The plots on the pages 3 and 4 show the geometry of the NIMS C10 observations using a north trajectory pole projection. The 'returned' observations are in Bold characters and the 'non-returned' in gray.

The spreadsheets on pages 5 through 10 summarize the 'final' playback model for the 'returned' data.

The text on page 11 gives a 'recap' of the C10 playback events which affected which observations were returned.

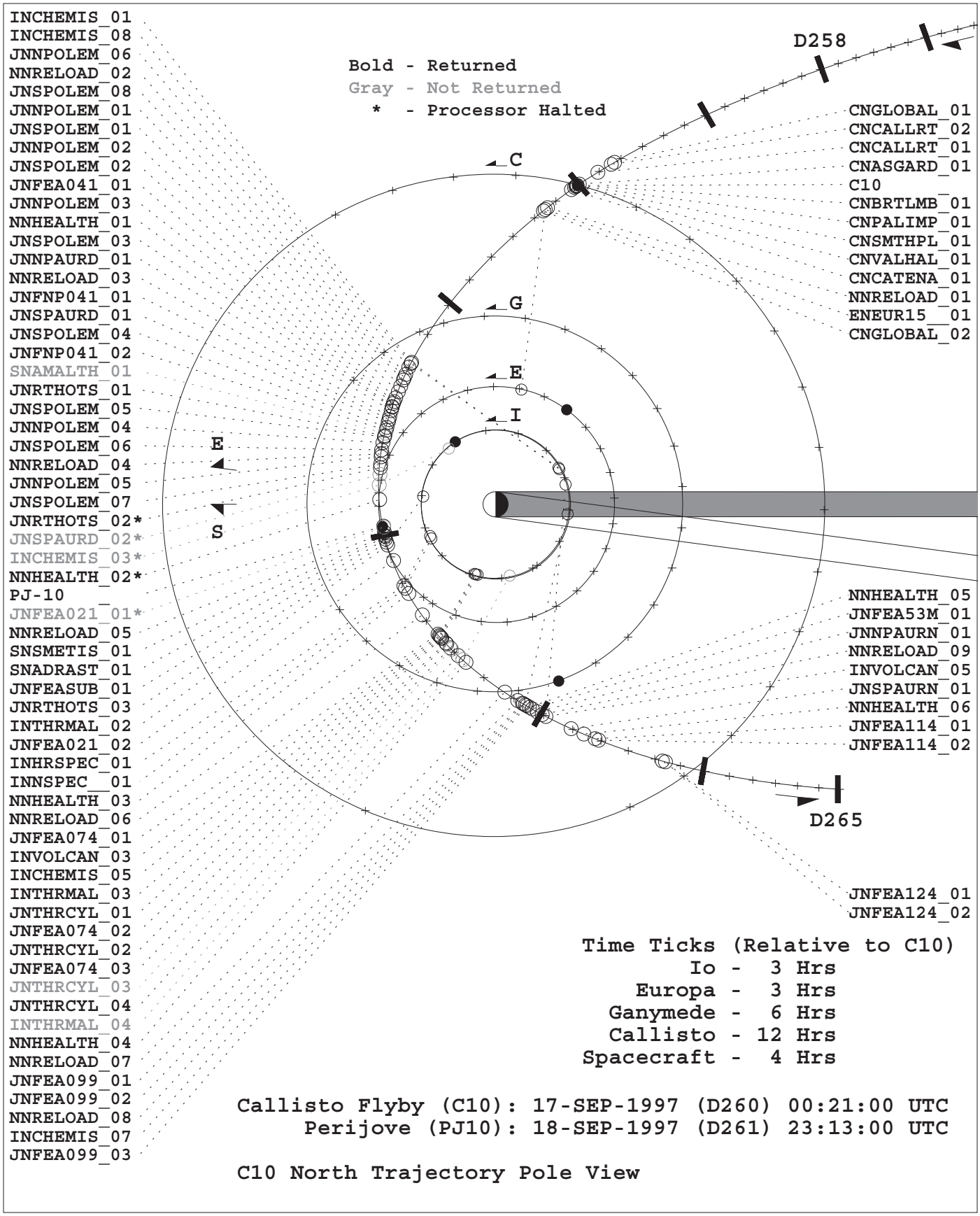
A Timeline of C10 playback events is on pages 12 through 16.

The text on pages 17 and 18 describes the C10 NIMS Anomalies.

The text on page 19 gives a brief discussion of the NIMS data files. Additional information about NIMS data formats, data types, data labels and data access is given on pages 20 and 21.

The text on page 22 is a guide to understanding the NIMS MASK.

NIMS C10 OBSERVATIONS



Time Ticks (Relative to C10)

Io	3 Hrs
Europa	3 Hrs
Ganymede	6 Hrs
Callisto	12 Hrs
Spacecraft	4 Hrs

Callisto Flyby (C10): 17-SEP-1997 (D260) 00:21:00 UTC
Perijove (PJ10): 18-SEP-1997 (D261) 23:13:00 UTC

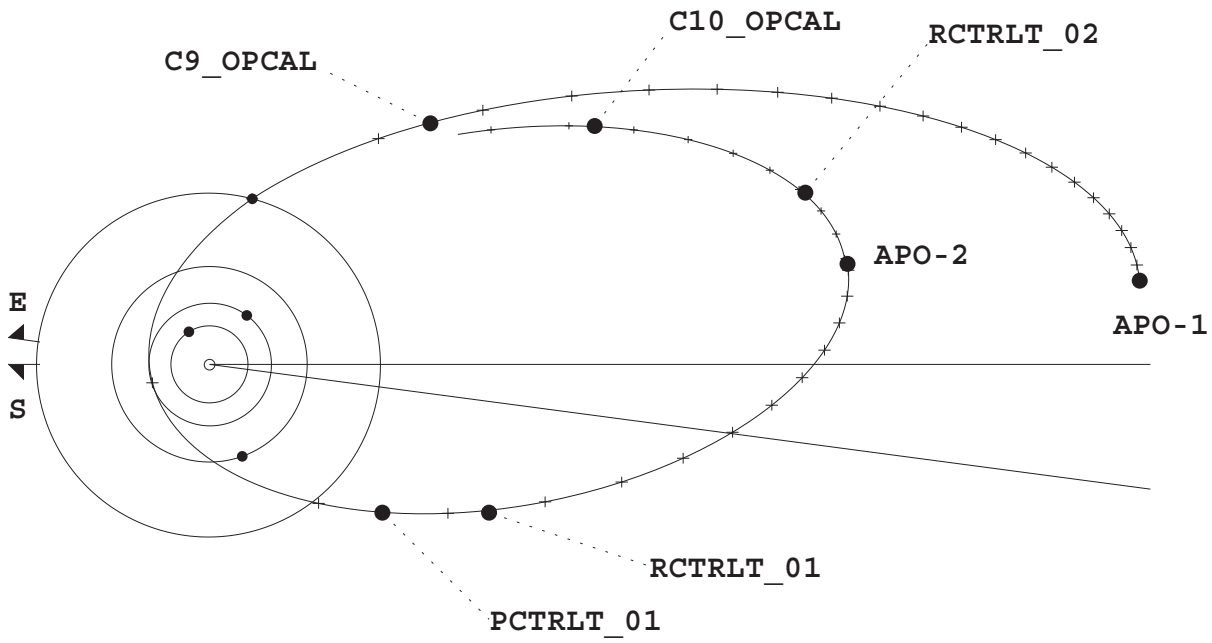
C10 North Trajectory Pole View

NIMS - FEL - 09/19/97

NIMS C10 CALIBRATIONS

Callisto Flyby (C10): 17-SEP-1997 (D260) 00:21:00 UTC
Perijove (PJ10): 18-SEP-1997 (D261) 23:13:00 UTC

Time Ticks (Relative to C10)
Spacecraft - 2 Days



C10 North Trajectory Pole View, Apoapsis to Apoapsis

NIMS - FEL - 12/01/98

NIMS C10 DATA RETURN

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start	Grating Offset	Record Format	PSID
10JNFNP04101-	Jup Expanded NP Ftr Trk 41 deg phse pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DW
10JNSPAURD01-	Jupiter South Pole Aurora Daytime prt 1	C10JAU253B	C10JAU40B	LM	2	0	4	LPU	DX
10JNSPOLEM04-	Jupiter South Pole Map prt 4	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DY
10JNFNP04102-	Jup Expanded Ftr Trk 41 deg phse pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EA
10JNRTHOTS01	Jupiter Real-Time Observation	C10JLM442/MB	R/T	LM	4	0	4	R/T	KJ
10JNSPOLEM05-	Jupiter South Pole Map prt 5	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EC
10JNNPOLEM04-	Jupiter North Polar Map prt 4	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	ED
10JNSPOLEM06-	Jupiter South Pole Map prt 6	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EG
10JNNPOLEM05-	Jupiter North Pole Map prt 5	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EE
10JNSPOLEM07-	Jupiter South Pole Map prt 7	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EF
10SNSMETIS01-	NIMS Small Satelite Obs. of Metis	C10SLM442	C10SLM360	LM	4	0	4	MPW	EK
10SNADRAST01-	NIMS Small satellite Obs. of Adrastea	C10SLM442	C10SLM360	LM	4	0	4	MPW	EL
10JNFEASUB01-	Jupiter Campaign Feature Sub-Spectra	C10JSB253A	C10JSB80A	LM	2	0	4	LPU	EM
10JNRTHOTS03	Jupiter Real-Time Observation	C10JLM442/MB	R/T	LM	4	0	4	R/T	KL
10INTHRMAL02-	MONITORING OF IO'S NIGHTSIDE	C10ILM442	C10ILM408	LM	4	0	4	MPW	EO
10JNFEA02102-	Jupiter Feature Track 21 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EP
10INHRSPEC01-	HIGH SPATIAL & SPECTRAL OBS. OF IO	C10ILM442	C10ILM360	LM	2	0	4	MPW	EQ
10INNSPEC 01-	NIGHTSIDE SPECTRA AT HIGH RESOLUTION	C10ILM442	C10ILM360	LM	4	0	4	MPW	ER
10NNHEALTH03-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KC
10JNFEA07401-	Jupiter Feature Track 74 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	ES
10INVOLCAN03-	MONITORING OF SELECTED VOLCANIC REGIONS	C10ILMDK243D	C10ILMDK102D	LM	4	0	4	LPU	ET
10JNTHRCYL01-	Jupiter Thermal Cylindrical Map prt 1	C10J5M253B	C10J5M253B	LM	4	0	4	LPU	EW
10JNFEA07402-	Jupiter Feature Track 74 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	EX
10JNTHRCYL02-	Jupiter Thermal Cylindrical Map prt 2	C10J5M253B	C10B_J5M127B	LM	4	0	4	LPU	EZ
10JNFEA07403-	Jupiter Feature Track 74 deg phase pt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FA
10JNTHRCYL04-	Jupiter Thermal Cylindrical Map prt 4	C10J5M253B	C10J5M253B	LM	4	0	4	LPU	FE
10NNHEALTH04-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KD
10JNFEA09901-	Jupiter Feature Track 99 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FJ
10JNFEA09902-	Jupiter Feature Track 99 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FL
10INCHEMIS07-	MONITORING OF IO'S DAYSIDE	C10ILM243C	C10ILM228C	LM	2	0	4	LPU	FI
10JNFEA09903-	Jupiter Feature Track 99 deg phase pt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FM
10NNHEALTH05-	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KE
10JNFEA53M01-	Jupiter Campaign Feature 5 and 3 um Map	C10J35157	C10J35157	LM	4	0	4	LPU	FN
10JNNPAURN01-	Jup North Pole Aurora Nite Time prt 1	C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FO
10INVOLCAN05-	MONITORING OF SELECTED VOLCANIC REGIONS	C10ILMDK243D	C10ILMDK102D	LM	4	0	4	LPU	FQ
10JNSPAURN01-	Jupiter South Pole Aurora Night Time	C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FS
10NNHEALTH06	NIMS Health Observation	C10RCVY3	R/T	LM	2	0	4	R/T	KF
10JNFEA11401-	Jupiter Feature Track 114 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FV
10JNFEA11402-	Jupiter Feature Track 114 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FW
10JNFEA12401-	Jupiter Feature Track 124 deg phase pt 1	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FX
10JNFEA12402-	Jupiter Feature Track 124 deg phase pt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	FY

NIMS C10 DATA RETURN

ACTID	Mode	Record Format	Wave-lengths ret	Record Time (sec.)	PB Time (sec.)	Total Bits of Tape BOT (Mbit)	Sel Bits of Tape sBOT (Mbit)	Mode Cycle Time	Thold	Comp	Total BTG (Mbits) (4% ohead)	Data Reduct Factor (sBOT/BTG)	Pass
10JNFNP04101-	SM	LPU	25	857.33	797.00	5.29	4.92	2.33	0	1.68	1.0588	4.64	1
10JNSPAURD01-	LM	LPU	40	1452.00	1446.00	8.96	8.92	8.667	0	1.65	0.8413	10.60	1
10JNSPOLEM04-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.64	1.1068	4.53	1
10JNFNP04102-	SM	LPU	25	696.67	692.00	4.30	4.27	2.33	0	1.63	0.9475	4.50	1
10JNRTHOTS01-	LM	R/T	408						0				
10JNSPOLEM05-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.59	1.1416	4.39	1
10JNNPOLEM04-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.57	1.1562	4.34	1
10JNSPOLEM06-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.57	1.1562	4.34	1
10JNNPOLEM05-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.55	1.1711	4.28	1
10JNSPOLEM07-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.55	1.1711	4.28	1
10SNSMETIS01-	LM	MPW	360	38.00	33.33	0.44	0.38	8.667	0	1.31	0.2198	1.75	1
10SNADRAST01-	LM	MPW	360	38.00	33.33	0.44	0.38	8.667	0	1.31	0.2198	1.75	1
10JNFEASUB01-	LM	LPU	80	724.67	720.00	4.47	4.44	8.667	0	1.67	0.8278	5.37	1
10JNRTHOTS03	LM	R/T	408						0				
10INTHRMAL02-	LM	MPW	408	236.00	231.33	2.72	2.66	8.667	2	1.64	1.3812	1.93	1
10JNFEA02102-	SM	LPU	25	218.00	213.33	1.34	1.32	2.33	0	1.59	0.2994	4.39	1
10INHRSPEC01-	LM	MPW	360	620.00	616.67	7.14	7.10	8.667	2	1.37	3.8889	1.83	1
10INNSPEC 01-	LM	MPW	360	345.00	341.67	3.97	3.94	8.667	2	1.62	1.8222	2.16	1
10NNHEALTH03	LM	R/T	3						0				
10JNFEA07401-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	1.61	0.3050	4.45	1
10INVOLCAN03-	LM	LPU	102	74.67	70.00	0.46	0.43	8.667	2	1.72	0.0996	4.33	1
10JNTHRCYL01-	LM	LPU	253	1199.00	1194.00	7.40	7.36	8.667	0	1.24	5.8465	1.26	1
10JNFEA07402-	SM	LPU	25	124.67	120.00	0.77	0.74	2.33	0	1.69	0.1585	4.67	1
10JNTHRCYL02-	LM	LPU	127	1199.00	1194.33	7.40	7.37	8.667	0	1.26	2.8890	2.55	1
10JNFEA07403-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	1.77	0.2774	4.89	1
10JNTHRCYL04-	LM	LPU	253	1370.00	1365.30	8.45	8.42	8.667	0	1.35	6.1406	1.37	1
10NNHEALTH04	LM	R/T	3						0				
10JNFEA09901-	SM	LPU	25	218.00	213.33	1.34	1.32	2.33	0	1.98	0.2405	5.47	1
10JNFEA09902-	SM	LPU	25	218.00	213.33	1.34	1.32	2.33	0	2.04	0.2334	5.64	1
10INCHEMIS07-	LM	LPU	228	91.33	86.67	0.56	0.53	8.667	2	5.55	0.0854	6.26	1
10JNFEA09903-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	2.17	0.2263	6.00	1
10NNHEALTH05	LM	R/T	3						0				
10JNFEA53M01-	LM	LPU	157	1559.00	780.00	9.62	4.81	8.667	0	1.54	1.9084	2.52	1
10JNNPAURN01-	LM	LPU	40	1755.00	840.00	10.82	5.18	8.667	0	1.88	0.4289	12.08	1
10INVOLCAN05-	LM	LPU	102	50.00	45.33	0.31	0.28	8.667	2	3.22	0.0345	8.11	1
10JNSPAURN01-	LM	LPU	40	1755.00	840.00	10.82	5.18	8.667	0	1.90	0.4244	12.21	1
10NNHEALTH06	LM	R/T	3						0				
10JNFEA11401-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	2.03	0.2419	5.61	1
10JNFEA11402-	SM	LPU	25	218.00	213.33	1.34	1.32	2.33	0	2.07	0.2300	5.72	1
10JNFEA12401-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	2.04	0.2407	5.64	1
10JNFEA12402-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0	2.08	0.2361	5.75	1

NIMS C10 DATA RETURN

Activity ID	Observation Title		NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start	Grating Offset	Record Format	PSID
10NNPCTRLT01	NIMS Real-Time PCT Calibration		C10PCT252	R/T	LM	4	0	4	R/T	FT
10NNRCTRLT01-	NIMS Real-Time RCT Calibration		C10RCT252	R/T	LM	1	0	4	R/T	XU
10NNRCTRLT02-	NIMS Real-Time RCT Calibration		C10RCT252	R/T	LM	1	0	4	R/T	XI
10NNOPCAL_01-	NIMS OPCAL		C10OPCAL120	R/T	LM	4	0	4	R/T	LW
10CNGLOBAL01-	Callisto Global Coverage		C10CLM243C	C10CLM228C	LM	4	0	4	LPU	DA
10CNCALLRT02-	Callisto Real-Time Observation		C10CLM442/MB	R/T	LM	4	0	4	R/T	KH
10CNCALLRT01-	Callisto Real-Time Observation		C10CLM442/MB	R/T	LM	4	0	4	R/T	KG
10CNPALIMP01-	Valhalla Palimpsest Spectroscopy		C10CLM442	C10CLM360	LM	4	0	4	MPW	DC
10CNSMTHPL01-	Callisto Smooth Plain		C10CFM221	C10CFM180	FM	4	0	4	MPW	DD
10CNSMTHPL01-	Callisto Smooth Plain		C10CFM221	C10CFM180	FM	4	0	4	MPW	DD
10CNVALHAL01-	Valhalla Basin/Rings Observation		C10CLM243C	C10CLM228C	LM	4	0	4	LPU	DE
10CNGLOBAL02-	Callisto Global Coverage	RCA	C10CLM243C	C10CLM228C	LM	4	0	4	LPU	DG
10INCHEMIS01-	MONITORING OF IO'S DAYSIDE	RCA	C10ILM243C	C10ILM228C	LM	2	0	4	LPU	DJ
10INCHEMIS08-	MONITORING OF IO'S DAYSIDE	RCA	C10ILM442	C10ILM228C	LM	2	0	4	MPW	DK
10JNSPOLEM08-	Jupiter South Pole Map prt 8	RCA	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DM
10JNSPOLEM01-	Jupiter South Pole Map prt 1	RCA	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DO
10JNSPOLEM02-	Jupiter South Pole Map prt 2	RCA	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DQ
10JNFEA04101-	Jupiter Feature Track 41 deg phase pt 1	RCA	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DR
10NNHEALTH01-	NIMS HEALTH OBSERVATION		C10RCVY2	R/T	LM	2	1	4	R/T	KA
10JNNPAURD01-	Jupiter North Pole Aurora Daytime prt 1	RCA	C10JAU253B	C10JAU40B	LM	2	0	4	LPU	DV
10INCHEMIS05-	MONITORING OF IO'S DAYSIDE		C10ILM243C	C10ILM228C	LM	2	0	4	LPU	EU
10INTHRMAL03-	MONITORING OF IO'S NIGHTSIDE		C10ILMDK243D	C10ILMDK228D	LM	4	0	4	LPU	EV
10JNTHRCYL01-	Jupiter Thermal Cylindrical Map prt 3		C10J5M253B	C10J5M253B	LM	4	0	4	LPU	FB
10JNFEA53M01-	Jupiter Campaign Feature 5 and 3 um Map		C10J35157	C10J35157	LM	4	0	4	LPU	FN
10JNNPAURN01-	Jup North Pole Aurora Nite Time prt 1		C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FO
10JNSPAURN01-	Jupiter South Pole Aurora Night Time		C10JAU253A	C10JAU40A	LM	4	0	4	LPU	FS
10CNASGARD01-	ASGARD Basin observation		C10CFM221	C10CFM180	FM	4	0	4	MPW	DB
10CNBRTLMB01+	UVS Ride-along		C10CFM221	C10CFM24	FM	4	0	4	MPW	N/A
10CNSMTHPL01-	Callisto Smooth Plain		C10CFM221	C10CFM180	FM	4	0	4	MPW	DD
10CNCATENA01-	GIPUL Catena Coverage		C10CLM243C	C10CLM228C	LM	4	0	4	LPU	DF
10ENEUR_1501-	Europa Real-Time Observation		C10ELMRT102/MB	R/T	LM	4	0	4	R/T	FZ
10CNGLOBAL02-	Callisto Global Coverage		C10CLM243C	C10CLM228C	LM	4	0	4	LPU	DG
10INCHEMIS01-	MONITORING OF IO'S DAYSIDE		C10ILM243C	C10ILM228C	LM	2	0	4	LPU	DJ
10INCHEMIS08-	MONITORING OF IO'S DAYSIDE		C10ILM442	C10ILM228C	LM	2	0	4	MPW	DK
10JNNPOLEM06-	Jupiter North Pole Map prt 6		C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DL
10JNSPOLEM08-	Jupiter South Pole Map prt 8		C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DM
10JNNPOLEM01-	Jupiter North Pole Map prt 1		C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DN
10JNSPOLEM01-	Jupiter South Pole Map prt 1		C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DO

NIMS C10 DATA RETURN

ACTID	Mode	Record Format	Wave-lengths ret	Record Time (sec.)	PB Time (sec.)	Total Bits of Tape BOT (Mbit)	Sel Bits of Tape sBOT (Mbit)	Mode Cycle Time	Thold	Comp	Total BTG (Mbits) (4% ohead)	Data Reduct Factor (sBOT/BTG)	Pass
10NNPCTRLT01-	LM	R/T	252										
10NNRCTRLT01-	LM	R/T	252										
10NNRCTRLT02-	LM	R/T	252										
10NNOPCAL_01-	LM	R/T	120										
10CNGLOBAL01-	LM	LPU	228	1580.00	1473.76	9.75	9.09	8.667	2	2.14	3.7683	2.41	2
10CNCALLRT02-	LM	R/T	408										
10CNCALLRT01-	LM	R/T	408										
10CNPALIMP01-	LM	MPW	360	304.00	300.67	3.50	3.46	8.667	0	1.79	1.4512	2.39	2
10CNSMTHPL01	FM	MPW	180	670.00	220.00	7.72	2.53	4.333	0	1.96	0.9699	2.61	2
10CNSMTHPL01	FM	MPW	180	670.00	232.00	7.72	2.67	4.333	0	2.00	1.0023	2.67	2
10CNVALHAL01-	LM	LPU	228	544.00	539.33	3.36	3.33	8.667	0	2.03	1.4537	2.29	2
10CNGLOBAL02-	LM	LPU	228	1529.00	720.00	9.43	4.44	8.667	2		1.22	(anomaly)	2
10INCHEMIS01-	LM	LPU	228	174.67	170.00	1.08	1.05	8.667	2		0.183	"	2
10INCHEMIS08-	LM	MPW	228	87.33	82.67	1.01	0.95	8.667	2		0.098	"	2
10JNSPOLEM08-	SM	LPU	25	691.33	686.67	4.26	4.24	2.33	0		0.231	"	2
10JNSPOLEM01-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0		0.28	"	2
10JNSPOLEM02-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0		0.299	"	2
10JNFEA04101-	SM	LPU	25	224.67	220.00	1.39	1.36	2.33	0		0.075	"	2
10NNHEALTH01-	LM	R/T	3										
10JNNPAURD01-	LM	LPU	40	1740.00	840.00	10.73	5.18	8.667	0		0.159	"	2
10INCHEMIS05-	LM	LPU	228	159.33	154.67	0.98	0.95	8.667	0	1.13	0.7490	1.27	3
10INTHRMAL03-	LM	LPU	228	126.00	121.33	0.78	0.75	8.667	0	1.86	0.3569	2.10	3
10JNTHRCYL03-	LM	LPU	253	1199.00	182.00	7.40	1.12	8.667	0	1.23	0.8984	1.25	3
10JNFEA53M01-	LM	LPU	157	1559.00	786.00	9.62	4.85	8.667	0	1.57	1.8863	2.57	3
10JNNPAURN01-	LM	LPU	40	1755.00	920.00	10.82	5.67	8.667	0	1.98	0.4460	12.72	3
10JNSPAURN01-	LM	LPU	40	1755.00	920.00	10.82	5.67	8.667	0	1.86	0.4748	11.95	3
10CNASGARD01-	FM	MPW	180	544.67	541.33	6.27	6.24	4.333	0	1.83	2.5560	2.44	4
10CNBRTLMB01+	FM	MPW	24	364.00	364.00	4.19	4.19	4.333	0	2.00	0.2097	20.00	4
10CNSMTHPL01	FM	MPW	180	670.00	220.00	7.72	2.53	4.333	0	1.99	0.9552	2.65	4
10CNCATENA01-	LM	LPU	228	1423.33	1356.00	8.78	8.36	8.667	0	2.20	3.3726	2.48	4
10ENEUR_1501-	LM	R/T	102										
10CNGLOBAL02-	LM	LPU	228	1529.00	1519.00	9.43	9.37	8.667	2	1.97	4.2191	2.22	4
10INCHEMIS01-	LM	LPU	228	174.67	170.00	1.08	1.05	8.667	2	1.63	0.5707	1.84	4
10INCHEMIS08-	LM	MPW	228	87.33	82.67	1.01	0.95	8.667	2	1.5	0.3016	3.16	4
10JNNPOLEM06-	SM	LPU	4	818.00	813.33	5.05	5.02	2.33	0	1.80	0.1613	31.09	4
10JNSPOLEM08-	SM	LPU	4	691.33	686.67	4.26	4.24	2.33	0	1.75	0.1401	30.23	4
10JNNPOLEM01-	SM	LPU	4	818.00	813.33	5.05	5.02	2.33	0	1.69	0.1718	29.19	4
10JNSPOLEM01-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.71	1.0615	4.73	4

NIMS C10 DATA RETURN

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start	Grating Offset	Record Format	PSID
10JNNPOLEM02-	Jupiter North Pole Map prt 2	C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DP
10JNSPOLEM02-	Jupiter South Pole Map prt 2	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DQ
10JNFEA04101-	Jupiter Feature Track 41 deg phase pt 1	C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DR
10JNNPOLEM03-	Jupiter North Pole Map prt 3	C10JFT68C	C10JFT25A	SM	2	1	4	LPU	DS
10JNSPOLEM03-	Jupiter South Pole Map prt 3	C10JFT68C	C10JFT04B	SM	2	1	4	LPU	DU
10JNNPAURD01-	Jupiter North Pole Aurora Daytime prt 1	C10JAU253B	C10JAU40B	LM	2	0	4	LPU	DV
NOTE:	RCA == Rate Control Anomaly								

NIMS C10 DATA RETURN

ACTID	Mode	Record Format	Wave-lengths ret	Record Time (sec.)	PB Time (sec.)	Total Bits of Tape BOT (Mbit)	Sel Bits of Tape sBOT (Mbit)	Mode Cycle Time	Thold	Comp	Total BTG (Mbits) (4% ohead)	Data Reduct Factor (sBOT/BTG)	Pass
10JNNPOLEM02-	SM	LPU	4	818.00	813.33	5.05	5.02	2.33	0	1.70	0.1708	29.36	4
10JNSPOLEM02-	SM	LPU	25	818.00	813.33	5.05	5.02	2.33	0	1.64	1.1068	4.53	4
10JNFEA04101-	SM	LPU	4	224.67	220.00	1.39	1.36	2.33	0	1.80	0.0436	31.09	4
10JNNPOLEM03-	SM	LPU	25	696.67	692.00	4.30	4.27	2.33	0	1.64	0.9417	4.53	4
10JNSPOLEM03-	SM	LPU	4	818.00	813.33	5.05	5.02	2.33	0	1.64	0.1771	28.33	4
10JNNPAURD01-	LM	LPU	40	1740.00	1217.00	10.73	7.51	8.667	0	1.66	0.7038	10.67	4
TOTAL										T Mbtg	71.5218		
ALLOCATION										Alloc	71.7250		
Over/Under										Diff	-0.2032		

RECAP OF NIMS C10 PLAYBACK EVENTS

More than 71 Megabits of NIMS data were successfully brought down in C10, making this the second largest NIMS data set obtained during the prime mission. At the same time, C10 was plagued by a greater number of problems than was the case for any other prime mission orbit. As in C9, a complex playback strategy was adopted to allow additional data taking during the cruise period, after the encounter. The "record during cruise" (RDC) complexities turned out to be the least of our worries.

During encounter recording, about 2 hours after perijove, NIMS took a radiation hit that caused a software crash. Three recorded observations and two realtime observations were lost.

A few days after initiation of playback, the tape recorder stopped sending down data. This was fixed but the event caused a loss of about 5 Mbits of downlink. Various other unscheduled data losses were caused by DSN problems and by appropriation of Galileo downlink to help with Mars Pathfinder anomaly efforts.

Later on an error in one NIMS playback command shifted data playback to "rate control" mode, in which only 4 of the 20 spatial pixels were sent down. A software patch was necessary to correct the problem as the CDS playback software did not respond when the rate control flag was reset for the following observation. This caused problems for all teams when playback ran ahead of schedule.

Lastly, near the end of playback, a combination of factors caused NIMS data to be returned with a significant quantity of useless fill bits. More than 2 Mbits of fill were received, cutting short the playback process before all the commanded data could be brought down. This regrettably prevented the return of some SSI lightning, aurora, and rings data.

The timeline below contains more details on the above events and helps explain why some observations came down without editing while other similar observations were severely wavelength-edited or truncated.

C10 Playback Events Timeline (07-09-97 to 11-2-97)

07-09-97: The C10 record during cruise strategy is defined. Observations on the third of the four tracks of the tape will be overwritten by new data during the cruise period. All encounter data recorded on track 3 must come down in the first tape pass.

09-05-97: Playback table update. Estimated playback of NIMS satellite observations is 6.2 Mbits larger than our allocation. Wavelength and spatial coverage of CNCATENA01 and CNBRTLMB01 are cut back. Io observations INCHEMIS05, INTHRMAL03, and INTHRMAL04 are deleted from the playback plan.

09-11-97: Playback table update. Wavelengths on CNBRTLMB01 are increased from 3 to 24.

09-13-97: C10 encounter begins.

09-17-97: Callisto close approach is reached at 00:21 GMT.

09-18-97: Perijove occurs at 16:10 GMT.
At about 18:13 GMT NIMS software crashes. The realtime obseration JNRTHOTS02 returns garbage. JNSPAURSD02 and INCHEMIS03 fail to record. NNHEALTH02 (realtime) is garbage. JNFEA02101 fails to record. At 23:55 GMT software reload 5 occurs, correcting the problem.

09-19-97: The science turn to obtain high-phase Jupiter observations executes successfully.

09-20-97: Playback is initiated.

09-22-98: Playback table update. We are only able to remove the third of the 3 corrupted observations from the playback plan, because (due to the RDC strategy) they are scheduled to come down immediately. Some fine-tuning allows reinstatement of INCHEMIS05.

09-24-97: Playback table update. The following is from the playback memo written at that time:
Playback stopped Tuesday night at about 8 pm PDT. The anomaly (no movement of the tape) was noticed before 10 pm. During the night and this morning the problem was worked and the reason was found. The final playback segment from C9 had the same hex identification number as the second segment for C10. The processor did not pull the second segment into memory because it "thought" that segment 2 had already been processed.
The stoppage will end up costing some 5 Mbits of downlink capability. This morning the decision was made to re-uplink segment 2 at 11 am. The decision was announced in the 9:30 SSO meeting. I asked if it was still possible to modify segment 2, since it contains two NIMS observations taken after our instrument stopped (JNSPAURD02, INCHEMIS03). The initial answer was no.

I brought up the topic again and noted that it was not in anyone's best interest to bring down some 3 Mb of garbage while we might be returning good data. This led to a meeting with the Project Manager where the plan to change segment 2, regenerate the uplink files, and radiate to the spacecraft was approved. The risk of error in a short turnaround, and the downlink bits cost of a 2 hour delay, were considered acceptable.
We will have to cough up our share of the 5 Mb lost due to the glitch. However, we will save the 3 Mb that as of yesterday would have come down as garbage. Even with the glitch, we are coming out ahead.

10-01-97: Playback table update. The following is taken from the playback memo written at the time:
C10 is starting to shape up as a bad luck orbit. As previously noted we lost 4.7 Mb of downlink due to a software glitch, then lost about 3 Mb when a DSN pass was given to another mission. We are losing 1.6 Mb today and may lose 1.6 Mb tomorrow to Mars Pathfinder. MPF is not "calling home" as expected; they obtained carrier frequency and hope to get some telemetry soon for diagnostic purposes. The reduction in our downlink allocation at this moment is over 2 Mb, and this does not include the MPF losses yet.
We have just learned that DSN 43 has gone down and is not expected back on line for 4 hours. This happens just as we are playing back a number of observations from track 3, which is to be overwritten soon by record-during-cruise observations. Some part or all of the following observations may be lost:
SNMETIS01, SNADRAST01, JNFEASUB01, INTHRMAL02, JNFEA02102.
In addition, part of INHRSPEC may be lost. These bits count as part of our allocation, even though the DSN is not listening, so there is no question of using the bits on other observations.
The playback coordinator suggested a number of changes to help improve tape slewing efficiency / reduce the return of fill packets. 6 NIMS observations were cut in half or in thirds, with the pieces put in different tape passes. These are:
CNSMTHPL01, middle third moved to pass 4
CNGLOBAL02, second half moved to pass 4
JNNPAURD01, second half moved to pass 4
JNFEA53M01, first half moved to pass 1
JNNPAURN01, second half moved to pass 3
JNSPAURN01, first half moved to pass 1.
In addition, JNNPOLEM01 and 03 were moved from pass 2 to pass 4.

10-05-97: The C10 RDC executes. The Sun is occulted by Jupiter. A science turn is performed to permit SSI observations of Jupiter's dark side and rings. NIMS observations on track 3 of the tape, from 10JNFNP04101 to 10INNSPEC01, are overwritten.

C10 Playback Events Timeline (07-09-97 to 11-2-97)

10-08-97: Playback table update. The following is from the playback memo written on that date:
Consequences of the substantial bit losses in this orbit are not as bad as expected, so far. The DSN going down (as mentioned in the 10-1 message) did not result in the loss of any NIMS observations.
We were docked 2.63 Mb in order to rebuild an insurance policy (5 Mb of office margin) to deal with any additional snafus. We were able to adapt by deleting a single observation. These bits may come back to us if playback inefficiency is low.
The AWG JNTHRCYL01-04 observations received optimistically high compression estimates of 1.6 during playback plan development, since C9 observations of this type compressed well. However I realized that a more realistic figure was 1.3 or so, after looking at the proximity to Jupiter for these. This means AWG bits were underestimated by a total of 2.8 Mb for THRCYL01, 02, and 04, which have come down in pass 1. In order to bring AWG totals down and get in under our new allocation it was necessary to delete JNTHRCYL03.
JNTHRCYL03 is the only AWG observation on the tape that is not selected for playback. For SWG, there are two Io THRMAL observations (03,04) that were deleted from the plan earlier. These would cost about 0.9 Mb to return. In addition, CNCATENA01 will be returned with only 50% of spatial coverage, in the present plan. If tape slewing inefficiency is low and margin bits are released, part or all of these observations may be brought down.

10-15-97: Playback table update. Satellites observations have compressed better than expected, while Jupiter observations are compressing poorly. Open issues involve some addback of SWG observations; for AWG issues are prioritization of gap fills for THRCYL01 versus wavelength coverage for later observations.

10-20-97: Preliminary analysis of 10CNGLOBAL02 data by Bob Mehlman reveals that "rate control" has been mistakenly commanded, and only 20% of the recorded data is coming down. (See discussion of causes below).

10-21-97 to 10-22-97: Playback table update. The following is excerpted from playback status memos written at the time:
There was furious activity on the playback front over the past 36 hours due to a new 'playback anomaly.' The problem has now been diagnosed and a fix has been identified and implemented. However there have been significant impacts on C10 playback that will require some hard decisions to be made.
Six weeks ago a "1" was substituted for a "0" in one of the parameters of the playback command for CNGLOBAL02. The change was not caught in proofreading or modeling since that parameter is never deliberately changed in the pbt update process. The effect was to invoke the

rate-control mode. This mode trims pixels in sets of 4, from the 20 pixel NIMS scan, ultimately reducing the spatial coverage to 4 only, when certain test values are obtained in processing. The intent is to be able to specify in advance the compression of an observation, by forcing spatial coverage down if compression is not as good as expected. This mode has not been employed during the mission.
Rate-control worked on CNGLOBAL02. This was discovered by Bob Mehlman in processing last Sunday night. Rate control was not specified for the following observations in the table. Thus the effect of the error should have been limited to one observation. However Tuesday morning it was learned that subsequent observations were significantly smaller than expected, suggesting that rate control was still working on the NIMS data. This was confirmed and the problem was determined to be in the CDS programming. As a result of this software problem, several NIMS observations came down with only 4 pixels of spatial coverage per scan: INCHEMIS01, INCHEMIS08, JNSPOLEM08, JNSPOLEM01, JNSOPOLEM02, JNFEA04101, and JNNPAURD01.
Although the problem was not fully understood until today (10-22), a new C10 playback table was required at noon yesterday. This represented the last opportunity to play back Callisto data. Two changes to the playback table were made on the basis of the limited information available. Re-playback of CNGLOBAL02, starting at the 5th rim, and completing the observation, was implemented on the basis of Bob Mehlman's first look at the data that suggested the first 4 Rims were ok. Secondly, to use up some of the bits saved by rate control, CNCATENA spatial coverage was increased by another 25% to bring down the full observation.
It will be possible to replay all of the observations listed above that were affected by the CDS problem. However, to play them all in full would require 4.5 Mb, and we presently have about 1.8 Mb available. It is possible that a small amount of office margin will be released to us on Friday, in preparation for the last pbt update on Monday.

10-24-97: Preliminary analysis shows that the software patch worked correctly, as INCHEMIS05 is down with all 20 pixels returned per scan.

10-28-97: Playback table update. The following is from the playback status memo issued at the time:
The amount of downlink required to bring down the rate-controlled observations, including CNGLOBAL02, came to only about 2.5 Mb. In addition, we received an additional 0.95 Mb from office margin as a result of a meeting last Friday. Thus this week we were able to add back all of the affected observations (for replay), though not with complete wavelength coverage in all cases.

For satellites, INCHEMIS01 and INCHEMIS08 were added back at full spatial and spectral resolution. (Note: a correction for last week's update-CNGLOBAL02 is coming down with full spatial coverage, not beginning with the 5th recorded Rim, as mentioned last week).
For Jupiter, the JNNPAURD01 was added back in full. JNFEA04101 was restored but with 4 wavelengths instead of 25. Three of the 14 polar haze observations (JNNPOLEM01-06, JNSPOLEM01-08) were impacted by the anomaly, while 5 others were scheduled for playback in the final tape pass. With longitudes information from Kent Tobiska and with Kevin's input I identified the highest-priority observations remaining to be played back. The NNPOLEM03 and NSPOLEM01-02 observations will come down with full spatial and wavelength (25) coverage, while NNPOLEM01, 02, and 06, and NSPOLEM03, 04, and 09, will come down with 4 colors. To sum up, 3 of the 6 NNPOLEM observations and 6 of the 8 NSPOLEM observations recorded in C10 are being brought down with 25 wavelengths.

10-31-97: Substantial quantities of fill packets begin arriving with the NIMS data starting with the observation 10JNNPOLEM06. In this, the worst case, 0.15 Mbits of data were accompanied by 0.81 Mbits of fill. In all more than 2 Mbits of fill were received. Part of the reason for this lies in the heavy wavelength editing of the observations involved (returning 4 wavelengths of 68 recorded). The tape must run over a considerable amount of recorded data before a full downlink packet is built. While no packet is available, fill is sent. Although this was recognized as a potential problem in earlier orbits, in 28 prior cases the same wavelength editing had been successfully employed.
Subsequent analysis showed two other significant factors. In CDS software, construction of AACS (attitude control data) packets is extremely inefficient. Since AACS data (needed for determining correct pointing) was also selected for the period of the NIMS observations, this also slowed the packet generation rate significantly. Lastly, playback occurred over high-data-rate DSN coverage periods, making the fill problem even more costly in terms of total downlink bits.

11-02-97: Playback is terminated. The final NIMS observation, 10JNNPAURD01, is truncated about 8 Rims from the end of the commanded playback. In addition, 14 small SSI playback command pairs placed after the final NIMS observation do not execute.

NIMS Anomaly Report - C10 Sequence

The NIMS processor halted once during the C10 Encounter. Detectors 3 and 8 are still not functioning and are expected to be lost for the rest of the mission. There was also a problem with rate control inadvertently being used during playback for a few observations, but almost all of the data were returned ok.

Processor Halts

Facts:

0. Between the start of the C10 Encounter and the single Halt NIMS returned 5 realtime observations and successfully reloaded NIMS from CDS 4 times. The NIMS SCLK engineering channels were continuously monitored for detecting a NIMS processor halt.

1. A NIMS processor halt was detected at SCLK 04136338 from the analysis of the NIMS SCLK engineering telemetry channels S-1931 and S-1932. This occurred about 5 hours before C10 perijove. A fifth NIMS reload occurred about 5 hours and 32 minutes later. No more Halts occurred during the rest of the encounter. A table of the NIMS engineering SCLK values near the time of the Halt follows (Note that the NIMS engineering SCLK value is normally 2 Rims behind the CDS SCLK Rim when it is reported):

NIMS SCLK	CDS SCLK	CDS SCET	GROUND ERT
04136200	04136202.58	1997-261T16:34:11.352	1997-261T15:57:04.892
04136338	04136367.43	1997-261T20:07:12.563	1997-261T18:43:44.886
04136338	04136400.40	1997-261T20:07:35.163	1997-261T19:17:04.885
04136338	04136585.05	1997-261T23:12:33.028	1997-261T22:23:44.878
04136800	04136802.58	1997-262T03:12:48.371	1997-262T02:03:44.870

2. Five NIMS observation was lost due to this Halt:
10JNRTHOTS02, 10JNSPAURD02, 10INCHEMIS03,
10NNHEALTH02, 10JNFEA02101.

Timing:

SCLK	Comments
04136336.00	NIMS HALTED
04136342.00	Start of NIMS observation 10JNRTHOTS02
04136367.43	Anomalous 04136338 SCLK reported
04136371.00	Start of NIMS observation 10JNSPAURD02
04136400.40	Anomalous 04136338 SCLK reported
04136430.00	Start of NIMS observation 10INCHEMIS03
04136502.00	Start of NIMS observation 10NNHEALTH02
04136585.05	Anomalous 04136338 SCLK reported
04136634.00	C10 Perijove
04136644.00	Start of NIMS observation 10JNFEA02101
04136667:06	Start of NIMS CDS Reload05 (#5)

NIMS Anomaly Report - C10 Sequence

Summary:

1. One NIMS processor halt occurred during the C10 Encounter.

2. Continous monitoring of the NIMS SCLK channels led to a rapid identification that NIMS processor halts had occurred.

3. The 9 NIMS software reloads from CDS greatly lessened the potentially disastrous effects of the C10 Halt and protected the NIMS observations in the encounter.

4. Frequent NIMS realtime observations, both science observations and instrument health monitoring observations, verified that NIMS was functioning normally at various time points throughout the encounter.

5. The error avoidance measures applied to the C10 Encounter as determined in the analysis of the processor halts that occurred in earlier orbits were shown to be the proper response for dealing with the inevitable occurrence of radiation-induced NIMS processor halts.

Detectors 3 and 8

Detectors 3 and 8 are still not functioning properly. These 2 detectors are still being monitored in the calibration observations as well as in the 408 wavelength realtime observations.

Rate Control Anomaly

During playback of NIMS C10 data, the never-used rate control flag was inadvertently turned on for 8 observations:

10CNGLOBAL02, 10INCHEMIS01, 10INCHEMIS08, 10JNSPOLEM08, 10JNSPOLEM01, 10JNSPOLEM02, 10JNFEA04101, 10JNNPAURD01.

These observations were played back again later on without rate contol on. The rate control data packets were not processed into UDRs. They were skipped in UDR production by windowing in ERT. Two observations (10JNSPOLEM08 and 10JNFEA04101) ended up with only 4 wavelengths instead of the original 25 wavelengths returned under rate control.

NIMS Archived EDRs and CUBEs

The NIMS data are stored in EDRs (Experimental Data Records) produced by JPL-MIPS (Multi-mission Image Processing System). The NIMS Phase2 EDR is described in the NIMS EDR SIS (Software Interface Specification) Number 232-08. The same information is available in both human and machine-readable form in the PDS (Planetary Data System) structure files EDRHDR.FMT and EDRDATA.FMT in the LABEL directory of the NIMS EDR CD-ROM. Each observation has at least one EDR. The EDR file name is derived from the 12 character observation name plus a single character which allows an observation to be broken up into multiple EDRs. The EDRs have a Vicar label, followed by a PDS/ISIS label, binary header records and the data records. For archiving on CD-ROM, the Vicar labels are detached from the EDR (but kept separately on CD) and the file is renamed so as to conform to the 8.3 DOS file-naming convention. The 8.3 EDR name consists of a 2 character orbit identifier, a single character target identifier, a 3 digit counter and the suffix EDR. For example, the MIPS EDR G1GNGLOBAL01A.1 becomes G1G001.EDR. More information about NIMS EDRs can be found in the VOLINFO.TXT file on the EDR CD-ROM.

NIMS EDR data typically require considerable processing before they are readily amenable to science analysis. Normally, the EDRs are processed into spectral image cubes by one of several sets of software. MIPS systematically processes the EDRs into CUBEs (band sequential image files) and MASKs (spatial/spectral summary images) which are distributed on the NIMS CUBE CD-ROMs. Information about the structure of the NIMS CUBEs can be found in the VOLINFO.TXT file on the CUBE CD-ROM. The name of the CUBE file is derived from the input EDR filename. For archiving on CD-ROM, the CUBE files are renamed so as to conform to the 8.3 DOS file-naming convention. The 8.3 CUBE name consists of a 2 character orbit identifier, a single character target identifier, a 3 digit counter, a single character cube-type identifier, a single character data unit-type (DN, radiance or IOF) and the suffix QUB. For example, the MIPS IOF radiance cube for the observation G1GNGLOBAL01A.1 (G1G001) becomes G1G001CR.EDR. The summary MASKs on the CD-ROM have the same 6 character name as the EDR name with the suffix JPG or GIF to denote its graphics format.

NIMS Data Format - Data types - Data Labels - Data Access

Data Format

All data files have PDS labels. The raw data (EDR) file contains time-sequential, 16 bit integers. Reduced data files (TUBES and CUBES) may be viewed as images or spectra. They contain VAX real numbers, are band sequential (BSQ - the images are stacked in band order) and have geometry information appended as backplanes after the last NIMS band.

Data Types

Mask files contain summary images (3 band BSQ) and spectra of up to six selected regions that provide a quick indication of data location, data quality and spectral content. A Guide to understanding the NIMS mask is available.

Cube files contain data that have been projected and resampled. The core data are BSQ - spatial in the first two dimensions, and spectral in the third. Cubes of the satellites are projected in point-of-view, and, with few exceptions have no photometric correction applied. Cubes of Jupiter are (generally) projected as simple cylindrical. Cubes of Europa, Ganymede, and Callisto have been despiked. The cubes are available both in radiance and I/F (intensity divided by flux) form.

Tube files contain data in (almost) time order and normally have a NIMS-related 20 pixel spatial dimension (20 x n or n x 20). Projection coordinates are contained in backplanes, but the data have not been resampled. The data are in units of radiance and no despiking has been applied. All data in cubes are also available in tube form. Some data (such as spatially undersampled data) appear in tube form only.

A spike file contains a list of pixels that have been identified as spikes, but not replaced, in the tube. Spike files can be used to remove spikes from both tube and EDR files.

EDR files contain the most primitive form of the data available. They should be used only for advanced data analysis. The format is complex and the files do not form images or spectra without prior processing.

Data Labels

A data label (PDS form) is attached to the front of each file (except masks, which have an attached VICAR label and a detached PDS label). The labels are in ASCII keyword=value format and contain pointers to various data objects in the file, descriptions of the data objects and descriptions of the observation associated with the file. A history object in similar format follows and describes the processing steps that produced the file. Much of this information is necessary for understanding and viewing the cube. In particular, the label contains the offset to the cube, the dimensions of the cube, axes labels, and explicit wavelength information.

Data Access

Software for processing this data is called ISIS and is available for DEC VAX VMS, SUN Solaris, DEC Alpha Digital Unix, Silicon Graphics Unix and PC LINUX systems. The Unix versions are available from the USGS Astrogeology team. Images from NIMS cubes and tubes can be viewed with any image display program which allows an offset from the beginning of the file to the selected image. Packages tested include ISIS, VICAR, ENVI, SAO IMAGE, and NASAVIEW. ISIS and ENVI (and soon NASAVIEW) additionally display spectra. The ISIS viewer is named CV (UNIX) or QL3 (VMS).

Labels may be displayed with some editors (eg DOS edit), and with most "type" and "search" functions. Some editors do not recognize the PDS line termination conventions. The label may be listed by the ISIS function LHLIST (VMS) or LABEL (UNIX).

Software for converting EDRs to cubes exist in both ISIS (DEC VAX VMS) and VICAR (DEC Alpha VMS) versions only. A primitive list of values in an EDR may be obtained with the program EDRDMP2.

Understanding the NIMS Mask

The NIMS mask is designed to provide a quick summary of the contents of a NIMS data cube (or tube). It displays a view of both the spatial and spectral content of the data.

The mask has four regions. Starting from the upper left and proceeding clockwise: a spatial display; six or fewer representative spectra; annotation; and a spectral histogram.

The spatial display of an observation which has been projected and resampled (a cube) has a maximum size of 600x600 pixels. This is overlaid with surface coordinates and is embedded in a 700x700 grid of pixel coordinates. It is accompanied by two 1-dimensional histograms describing the raw image and the image stretched for display. The data image can range from a simple combination of up to 3 NIMS bands displayed in the RGB planes, to complicated arithmetic functions of NIMS bands displayed in the RGB planes. (The formulas appear as annotation below the histograms.) The graphics directly below the image show the input and output data histograms for the three color planes. The "shortest" color for each bin displays in front. The image also contains from one to six numbered rectangles, which show the from which averaged spectra (displayed on the right) were taken.

The spatial display of an observation in time sequence (a tube) is a graphic showing a footprint of the observation over a grid of surface coordinates on the target body. Numerals 1-6 on the graphic mark the locations of the average spectra displayed on the right.

The spectra to the right of the image may display either BDRF or radiance (or both). If both are displayed, then a vertical "radiance fence" line will appear where the breakpoint occurs. This permits display of both atmospheric data, which have significant reflectance and thermal components, and I/F satellite surface data which have strong absorptions at longer wavelengths (such as water spectra.) The spectra are labelled with wavelength in microns and location in both pixel and latitude-longitude space.

The annotation provides information about the observation, including its name, a brief description, its geometry, instrument and projection parameters. TCA is the time from Galileo’s closest approach to the target body.

The 2-dimensional spectral histogram in the lower left corner shows the number of pixels at a given radiance for each wavelength. If a surface contains spatial mixtures with significantly different spatial fractions for several components, the spectra of the components will be evident in this display.